

DENSO

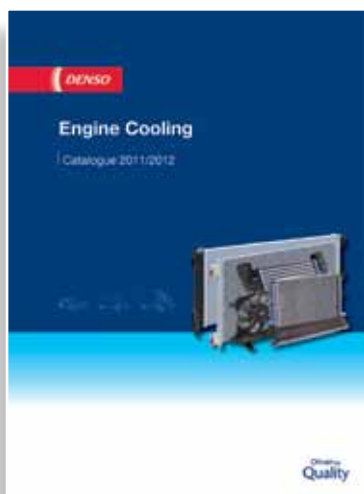
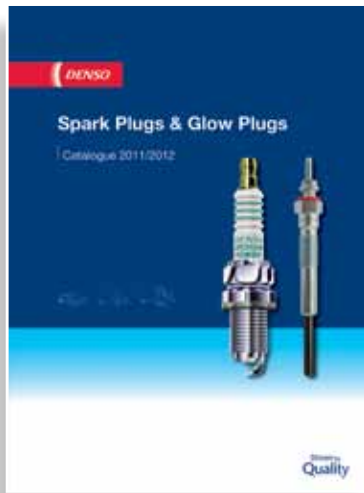
Spark Plugs | Motorcycle/Small Engine/Marine

| Catalogue 2012/2013



Driven by
Quality

Catalogue | Overview



Spark Plugs | Table of Contents

GB**Table of Contents**

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The DENSO difference

DENSO has been setting the standard for spark plug technology since 1959. We develop all of our ranges in-house, and manufacture them in our own QS 9000 and ISO 9000 certified factories worldwide – with 'zero defects' as standard. We also provide this outstanding OE quality to the aftermarket. Including Standard, Platinum, Twin Tip and Iridium, DENSO Spark Plugs cover a complete range of continually updated references. Guaranteeing optimum engine performance, choose DENSO Spark Plugs for every automotive, motorcycle, marine and small engine application.

Range

Standard

- > Copper glass seal helps heat dissipation
- > Standard U-groove
- > Deeply inserted copper core
- > Heat resistant nickel plating

Iridium Power

- > Superb ignitability
- > Low required voltage
- > Better acceleration response and operational stability
- > Lower fuel consumption
- > Longer lifetime

Iridium Racing

- > F1 technology
- > Ultimate acceleration
- > High reliability
- > Boosted performance

Type	Standard	Iridium	
	Standard	Iridium Power	Iridium Racing
U-groove	+ ¹	+ ²	-
Tapered cut ground electrode	Some types ³	+ ²	-
Material ground electrode	Normal	Normal	Full Platinum
Centre electrode	2.5 mm	0.4 mm	0.4 mm ⁴
Available heat range	9-27	16-34	24-35
Resistor	Most Types	All Types	All Types
High performance	+	++++	+++++
Fuel saving	Good	Best	-
Life time	Standard	Standard	For racing only

¹ Spark plug types without a 'U' in the type name do not have a U-groove

² Not applicable to IU24A, IU27A, IU31A, IUF27A and IUF31A

³ Spark plug types with a 'Z' in the type name have a tapered cut ground electrode

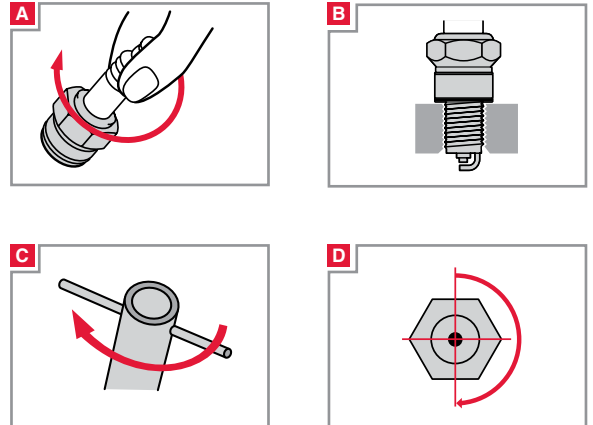
⁴ Except for surface gap types

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Spark plug installation

Recommended Torque and Tightening Angle for DENSO plugs.

1. Use the correct wrench for the hex on the plug, and be careful not to damage the insulator.
2. When changing, make sure that the oil, etc. on the outside of the plug does not enter the engine interior.
3. When putting the plugs in, clean the engine side of the flange and put in the plugs after making sure the gasket is in the flange.
4. Make sure the plugs are vertical and tighten them by hand until they cannot be tightened any further (A+B).
5. Then, use a plug wrench to tighten them accurately to the torque or rotation angle showed in the chart below (C+D).



RECOMMENDED INSTALLATION TORQUE SPECIFICATION					
	Thread size		Recommended Torque	Recommended Turns	
				New plug	Used plug
Gasket	M8	Y type	8-10 Nm	± 1 turn	± 1/12 turn
	M10	U, N type	10-15 Nm	± 2/3 turn	± 1/12 turn
	M10	Stainless steel gasket	10-15 Nm	± 3/4 turn	± 1/12 turn
	M12	SXU, X, XE, XU, ZXE, ZXU type	15-20 Nm	± 1/3 turn	± 1/12 turn
	M14	FK, J, K, KJ, P, PK, PKJ, PQ, Q, QJ, QL, S, SF, SK, SKJ, SV, SVK, VK, VKJ, W, ZT type	20-25 Nm	± 1/2 turn	± 1/12 turn
	M14	Stainless steel gasket	20-25 Nm	± 2/3 turn	± 1/12 turn
	M18	L, M, MA, MW type	30-40 Nm	± 1/4 turn	± 1/12 turn
Taper seat	M14	PT, PTJ, T type	20-30 Nm	± 1/16 turn	± 1/16 turn
	M18	MA type	30-40 Nm	± 1/4 turn	± 1/12 turn



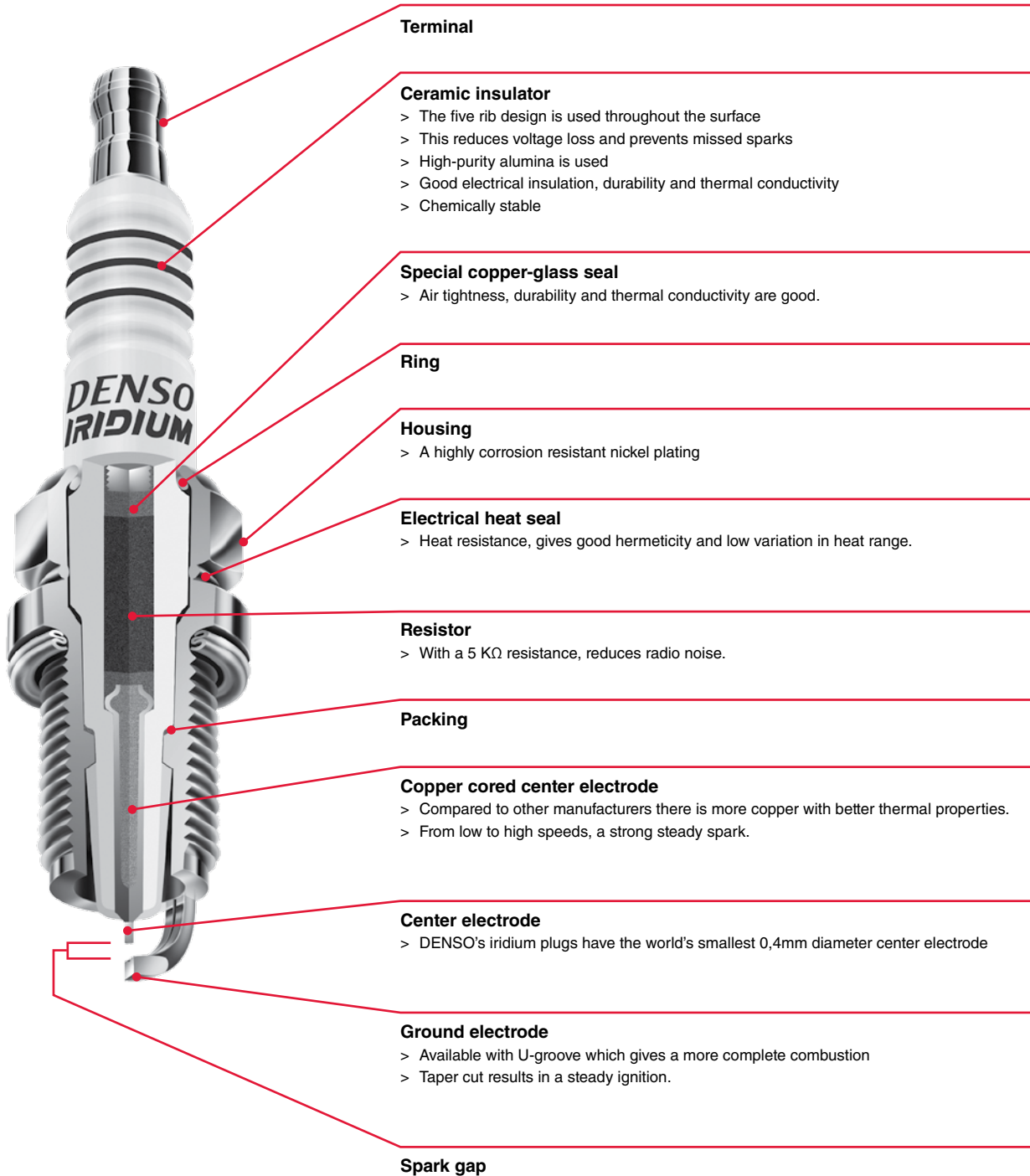
If a thread lubricant such as grease is coated on the thread, tightening to the recommended torque is tightening too much; this has been linked to seal leakage. Do not use a thread lubricant.

Tightening more than the tightening angles and torques shown in the above table could result in damage to the engine and furthermore could result in the plug coming off at the thread.

Spark Plugs | Characteristics

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Spark Plug Characteristics



Spark Plugs | Identification Table

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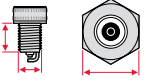


Iridium Plugs / Platinum Plugs / Standard Plugs

IDENTIFYING DENSO SPARK PLUGS							
	W	16	E	XR	-U	11	
S	K	20		PR	-A	11	
S	XU	22	H	CR	-11S		
Type of precious metal	Thread Diameter and Hex Size	Heat Range				Reach	Shape (Type)
D 0.7 mm diameter iridium with needle type platinum F 0.55 mm diameter iridium with needle type platinum P 1.1 mm diameter platinum with platinum tip S 0.7 mm diameter iridium with platinum tip SV .. 0.4 mm diameter iridium with platinum tip Z 0.55 mm diameter iridium with platinum tip	C 12x14.0 L 18x22.2 (Reach: 12.7 mm) M 18x25.4 (Reach: 12 mm) MA 18x20.6 (Taper seat, Reach: 12 mm) MW 18x20.6 (Reach: 12 mm) J 14x20.6 (Projected plug) K 14x16.0 (Miniature plug) KJ 14x16.0 (Projected Miniature plug) LP 14x20.6 (Plug for LPG applications) Q 14x16.0 (Miniature plug) QJ 14x16.0 (Projected Miniature plug) QL 14x20.6 (Miniature long cylinder housing plug) S 14x20.6 (Surface gap plug for RE engines) T 14x16.0 (Taper seat) W 14x20.6 14x19.0 (Compact type) X 12x18.0 XE 12x14.0 XU 12x16.0 U 10x16.0 Y 8x13.0	DENSO NGK CHAMPION BOSCH	A 19.0 mm (Spark position: 7.0 mm) J16AR-U11 A 21.5 mm S29A B 19.0 mm (Spark position: 9.5 mm) J16BR-U C 19.0 mm (Spark position: 5.0 mm) KJ20CR-L11 D 19.0 mm (Shroud 2) K20DTR-S11 E (With gasket) 19.0 mm W16EX-U E (With gasket) 20.0 mm W25EBR E (Taper seat) 19.0 mm T16EPR-U FE 12.7 mm W20FP-U FE 19.0 mm (Half thread) U24FER9 G 19.0 mm (Shroud 3.5) PK20GR8 G 19.0 mm (Shroud 3) X27GPR-U H 26.5 mm QJ16HR-U H 19.0 mm (Spark position: 8.5 mm) K16HPR-U11 L 11.2 mm W14L N (Taper seat, Half thread) 17.5 mm T20NR-U11 V (Taper seat) 25.0 mm PT16VR13 None 9.5 mm W14M-U 11.2 mm L14-U, M24S 19.0 mm SK20R11 21.5 mm S29A None (Taper seat) 8.3 mm T20M-U 11.2 mm T16PR-U	A Double ground electrodes W22EA AY .. Double ground electrodes with bent shape J16AY B Triple ground electrodes W22EB BG .. Triple ground electrodes (shroud) SK20BGR11 C Shroud 1.5mm SXU22HCR11 D 4 ground electrodes W27EDR D Projected (1.5 mm projection, spark position 3.5 mm) XU22HDR9 E Shroud: 2.0mm FXE20HE11 K Projected (1 mm projection) W16EKR-S11 LM .. Compact type (Hex 20.6 mm) W14LM-U M Shortened insulator head length W27EMR-C M Compact type (Hex 19.0 mm) W20M-U P Projected (1.5 mm projection) W16EP-U Q Projected 2mm, Spark position 3.5mm R 5Kohm resistor K16R-U S Non-projected (0 mm Projection) W22ES-U S Iridium on a single side KJ20SR11 T Double ground electrodes K16TR11 TM .. Double ground electrodes K22TMR11 TN .. Double ground electrodes K22TNR-S X Fully projected (2.5 mm Projection) W16EX-U	-A ... Special specification SK16PR-A11 -B ... Special specification K16PSR-B8 -C ... Cut-back ground electrode W27EMR-C -D ... Copper-core Ground DK20PR-D13 -E ... Special specification SK16PR-E11 -F ... Special specification SK16PR-F11 -G ... Grease applied on to threads, for CNG SK20R8-G -GL .. Platinum center electrode X22EPR-GL -L ... Heat resistant ground electrode K20PR-L11 -L ... 3.5 mm projected insulator for motorcycles W20FP-UL -L ... Retracted insulator for motorcycles W20FR-L -M .. Larger ground electrode SK20PR-M11S -N ... For Yamaha and Kawasaki U27ESR-N -P ... Double Platinum Ground Electrode SK20R-P11 -P ... Single-sided platinum plug K16PR-P11 -R ... 10K ohm resistor K22PR-UR -S ... Semi-surface gap discharge type W20EP-S11 -S ... Stainless gasket U27FER9S -T ... For LPG SK20HR8-T -T ... Special specification FK20HBR11-T -TP .. Taper-cut, single-side platinum plug K20PR-TP11 -U ... U groove ground electrode K16PR-U -US .. Star-shaped center electrode W20M-US -V ... 1.3 mm diameter, nickel center electrode W27ES-V	5 0.5 mm (.020") 8 0.8 mm (.032") 9 0.9 mm (.035") 10 1.0 mm (.040") 11 1.1 mm (.044") 13 1.3 mm (.050") 14 1.4 mm (.055") 15 1.5 mm (.060") <None> Cars: 0.8 mm M/C: 0.7 mm <Exceptions> P16R, PQ16R, PQ20R are 1.1 mm	

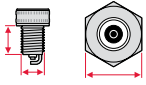


Spark Plugs | Identification Table

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IRIDIUM POWER® Series (Power, Tough, Plus)

IDENTIFYING DENSO SPARK PLUGS																																															
I	U	27	A																																												
VF	KH	20																																													
																																															
High Performance Plug	Thread Diameter, Reach and Hex Size	Heat Range																																													
I..... 0.4 mm diameter iridium V..... 0.4 mm diameter iridium with platinum tip VF... 0.4 mm diameter iridium with needle type platinum tip	<Thread Diameter x Reach x Hex Size> (mm) CH... 12x26.5x14.0 K.... 14x19.0x16.0 KA... 14x19.0 (Shrouded, New Triple Electrodes)x16.0 KB... 14x19.0 (New Triple Electrodes)x16.0 KBH... 14x26.5 (New Triple Electrodes)x16.0 KD... 14x19.0 (Shrouded)x16.0 KH... 14x26.5x16.0 NH... 10x19.0 (Half Thread)x16.0 T.... 14x17.5 (Taper Seat)x16.0 TF... 14x11.2 (Taper Seat)x16.0 TL... 14x25.0 (Taper Seat, Long Insulator)x16.0 TV... 14x25.0 (Taper Seat)x16.0 Q.... 14x19.0x16.0 U.... 10x19.0x16.0 UF... 10x12.7x16.0 UH... 10x19.0 (Half Thread)x16.0 W.... 14x19.0x20.6 WF... 14x12.7x20.6 WM... 14x19.0x20.6 (Compact Insulator) X.... 12x19.0x18.0 XEH... 12x26.5 (Shroud 2.0)x14.0 XG... 12x19.0 (Shroud 3.0)x18.0 XU... 12x19.0x16.0 XUH... 12x26.5x16.0 Y.... 8x19.0 (Half Thread)x13.0	<table border="1"> <thead> <tr> <th>DENSO</th> <th>NGK</th> <th>CHAMPION</th> <th>BOSCH</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>5</td> <td>12,11</td> <td>8</td> </tr> <tr> <td>20</td> <td>6</td> <td>10,9</td> <td>7,6</td> </tr> <tr> <td>22</td> <td>7</td> <td>8,7</td> <td>5</td> </tr> <tr> <td>24</td> <td>8</td> <td>6,63,61</td> <td>4</td> </tr> <tr> <td>27</td> <td>9</td> <td>4,59</td> <td>3</td> </tr> <tr> <td>29</td> <td>9.5</td> <td>57</td> <td></td> </tr> <tr> <td>31</td> <td>10</td> <td>55</td> <td>2</td> </tr> <tr> <td>32</td> <td>10.5</td> <td>53</td> <td></td> </tr> <tr> <td>34</td> <td>11</td> <td></td> <td></td> </tr> <tr> <td>35</td> <td>11.5</td> <td></td> <td></td> </tr> </tbody> </table>		DENSO	NGK	CHAMPION	BOSCH	16	5	12,11	8	20	6	10,9	7,6	22	7	8,7	5	24	8	6,63,61	4	27	9	4,59	3	29	9.5	57		31	10	55	2	32	10.5	53		34	11			35	11.5		
DENSO	NGK	CHAMPION	BOSCH																																												
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31	10	55	2																																												
32	10.5	53																																													
34	11																																														
35	11.5																																														
		Shape (Type)																																													
		<p>A..... Slant electrode, No U-Groove, No taper cut B..... Projected insulator (1.5 mm) C..... No U-Groove D..... No U-Groove, Inconel ground electrode E..... Shroud: 2 mm ES... Stainless steel gasket F..... Special specification G..... Stainless steel gasket I..... Spark position: 4 mm Projected insulator (1.5 mm) J..... Spark position: 5 mm K..... Spark position: 4 mm Projected insulator (2.5 mm) L..... Spark position: 5 mm T..... For LPG applications Y..... 0.8 mm gap Z..... Taper cut</p>																																													

TT

IDENTIFYING DENSO SPARK PLUGS																			
W	16	TT																	
																			
Thread Diameter, Reach and Hex Size	Heat Range		Shape (Type)																
<Thread Diameter x Reach x Hex Size> (mm) W..... 14x19.0x20.6 K..... 14x19.0x16.0 KH... 14x26.5x16.0 Q..... 14x19.0x16.0 T..... 14x17.5x16.0 WF... 14x12.7x20.6 TV... 14x25.0x16.0	<table border="1"> <thead> <tr> <th>DENSO</th> <th>NGK</th> <th>CHAMPION</th> <th>BOSCH</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>5</td> <td>12,11</td> <td>8</td> </tr> <tr> <td>20</td> <td>6</td> <td>10,9</td> <td>7,6</td> </tr> <tr> <td>22</td> <td>7</td> <td>8,7</td> <td>5</td> </tr> </tbody> </table>		DENSO	NGK	CHAMPION	BOSCH	16	5	12,11	8	20	6	10,9	7,6	22	7	8,7	5	<p>TT = Twin Tip (1.5mm Nickel CE, 1.5mm GE) CE = Central electrode GE = Ground electrode</p>
DENSO	NGK	CHAMPION	BOSCH																
16	5	12,11	8																
20	6	10,9	7,6																
22	7	8,7	5																

GB

Different ranges in the DENSO Spark Plug programme

The following overview summarises the different plug configurations in the DENSO Spark Plug programme, making it easier to choose the right plug for each application.

Standard



Triple Electrode Plug

Example K22PB/W20EPB

- > Triple ground electrodes
- > Increased durability
- > For Audi, VW, Citroën, Fiat, Mercedes-Benz, Renault



U-Grooved Plug

Example W16EX-U

- > U-groove ground electrode delivers high ignition energy
- > Easily ignites even lean mixtures
- > Fully projected (2.5mm insulator projection) so reduces carbon fouling
- > Starts smoothly and good acceleration performance



Semi-Surface Gap Plug for Rotary Engines

Example S29A

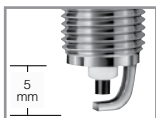
- > Semi-surface gap discharge
- > Increased ignitability, fouling resistance and durability
- > Reduced voltage loss using a 7 rib design



Extended Plugs

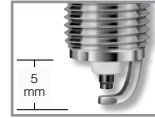
Example J16AR-U11

- > U-groove ground electrode for superior ignition performance
- > Ignites even lean mixtures
- > Spark position is extended into the ignition chamber for improved combustion efficiency, fuel consumption and drivability



Example KJ20CR11/KJ20CR-U11

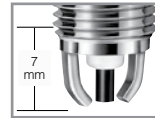
- > Exclusively for Mazda and Mitsubishi vehicles
- > KJ20CR11 has no U-groove
- > KJ20CR-U11 has a U-groove



Extended Plugs

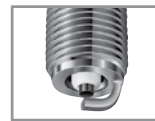
Example KJ20CR-L11

- > Ground electrode is taper cut
- > Finer centre electrode
- > Improved ignitability
- > Exclusively for specified vehicles



Example J16AY

- > Exclusively for Daihatsu
- > Two ground electrodes ensure durability



Semi-Surface Gap Plug

Example W20EKR-S11/W20EPR-S11

- > Semi-surface discharge increases ignitability and fouling resistance
- > W20EKR-S11 for Honda vehicle
- > W20EPR-S11 for Mitsubishi vehicles



Semi-Surface Double Electrode Plug

Example W20ETR-S11

- > Double ground electrode with 1mm gap
- > Short, opposed-type dual ground electrode gives excellent durability
- > Full projection improves ignitability
- > New supplementary gap improves fouling resistance
- > Exclusively for Toyota and Daihatsu



Shrouded Semi-Surface Gap Double Electrode Plug

Example K20DTR-S11/W20DTR-S11

- > Semi-surface gap construction
- > End of threaded portion extended into combustion chamber
- > Shroud attached to improve fouling
- > Exclusively for Daihatsu and Subaru



Star Centre Electrode

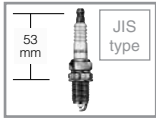
Example W9LM-US

- > Used for small engine plugs
- > Creates stronger spark and easier starting
- > Reduces chance of misfiring
- > Reduces carbon fouling
- > Features a U-groove ground electrode

Spark Plugs | Configurations

GB

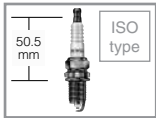
Standard



Small Hexagonal Plug

Example Q16R-U1 1/Q16PR-U11

- > By reducing hex size (16mm) the plug has been made smaller



ISO Compatible Small Hex Plug

Example K16-RU11/K16PR-U11

- > Compatible with ISO standards
- > Take care with installation: installed height is 2.5mm shorter than with Q type



Small Plug for Small Cars

Example XU22EPR-U

- > By making hex size (16mm) the plug becomes compatible with small cars
- > Thread size 12mm



Long Housing Plugs

Example QL20PR-U/QL20TR-S

- > By making the middle cylinder longer, installation dimensions have been secured
- > QL20TR-S has double ground electrodes and a semi-surface gap for improved anti-fouling
- > Exclusively for Daihatsu



TaperSeat plug

Example T16EPR-U

- > Solely for non-Japanese vehicles that do not have a gasket

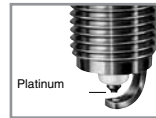


Resistor Plug

Reduces the amount of radio noise generated during ignition

- > 5k Ω resistor added between the centre electrode and the centre electrode core
- > Reduces radio noise during ignition
- > Most new cars now come as standard with resistor plugs

Platinum



Platinum Plug

Example PK20R11

- > Platinum used in both the centre electrode and ground electrode
- > Fine centre electrode and platinum tip improve fuel consumption, drivability and durability



Platinum Plug for DLI (+Discharge)

Example PK20R-P11

- > Increased size of platinum prevents wear during plus (+) discharge



Extended Platinum Plug

Example PKJ20CR-L11

- > Spark position is extended into the combustion chamber
- > Increased combustion efficiency
- > Improved fuel consumption and driveability



Dual Electrode Platinum Plug

Example PK20TR11

- > The parts of the centre electrode facing the ground electrodes are platinum tipped
- > Dual electrode construction requires lower voltage during the plus (+) discharge



Single-Side Platinum Plug

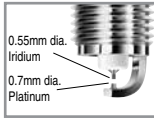
Example Q20PR-P11/K16PR-TP11

- > Only the centre electrode is platinum tipped, allowing a fine electrode
- > Improved fuel consumption, driveability and durability
- > Ground electrode is taper-cut for increased ignitability

Spark Plugs | Configurations

GB

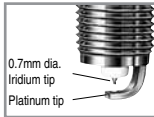
Iridium



Super Ignition Iridium

Example FK20HR11

- > Revolutionary DENSO technology
- > Needle-shaped ground electrode
- > Unparalleled reduction in quenching action



OE Iridium Plug

Example SK16R-P11/SK20R11

- > World's first 0.7mm diameter ultra-fine Iridium alloy electrode, developed by DENSO
- > Dramatically improved ignitability and lifetime



Iridium Power

Example IK20

- > 0,4mm diameter ultra fine Iridium center electrode greatly improves ignitability and reduces required spark voltage.
- > Projected center electrode on most types.
- > U-groove ground electrode on almost all types.
- > Taper-cut ground electrode on almost all types.



Iridium Tough

Example VK20

- > 0.4mm diameter ultra fine Iridium center electrode greatly improves ignitability and reduces required spark voltage.
- > Platinum tipped ground electrode achieves high durability.



Iridium Tough Double Needle

Example VFKH20

- > 0.7mm needle-shaped Platinum Ground electrode improves combustion and acceleration.
- > 0.4mm ultra fine Iridium center electrode significantly improving ignitability.

TT



TT Spark Plug

- > The first ever fine-wired Spark Plug without precious metal on the electrodes
- > Featuring a nickel alloy centre and a 'twin' protruding ground electrode with a slimmer 1.5mm diameter
- > Decreases carbon dioxide emissions
- > Dramatically improves fuel efficiency

Spark Plugs | Iridium Spark Plugs

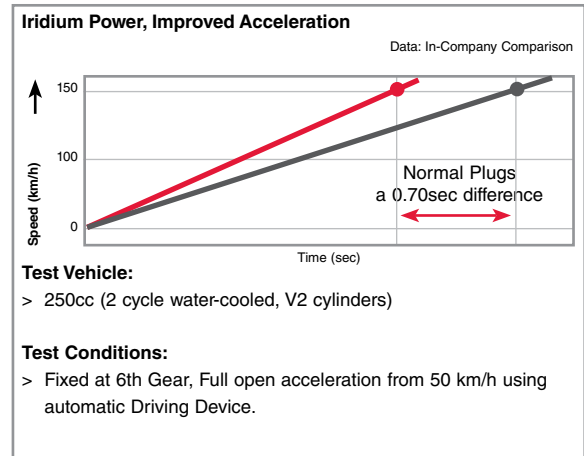
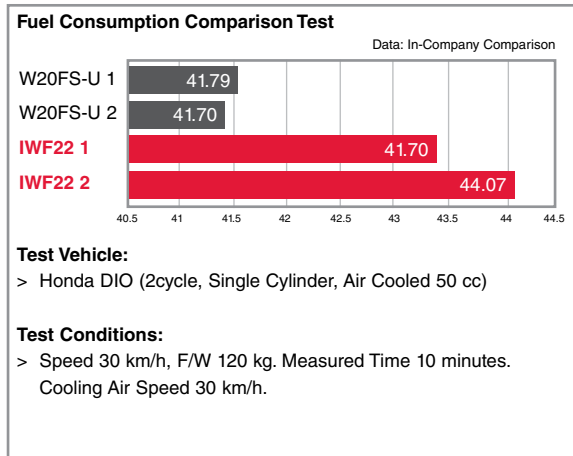
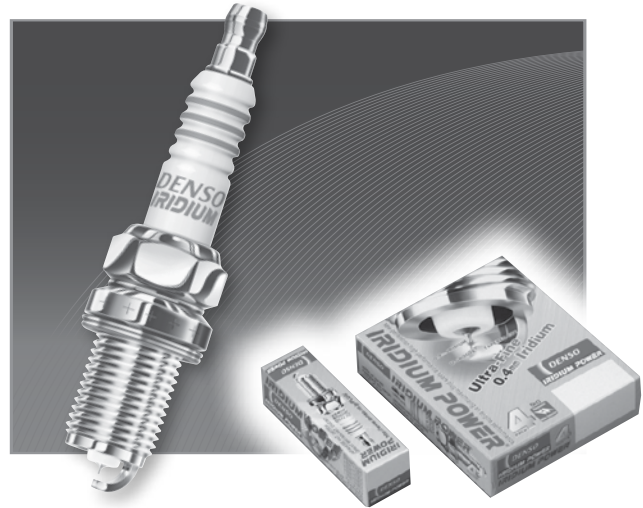
GB

Iridium Power

Using the world's first 0.4mm dia. Iridium center electrode, Iridium Power displays superb ignitability and low required voltage, drawing out better performance from your car:

- > **Improved output**
Iridium Power has a low required voltage and a high ignitability, resulting in less misfiring and no spar, the outcome being a dramatic improvement in combustion. Engine output is thus increased.
- > **Improved acceleration**
With steady ignitability, acceleration performance is improved dramatically.
- > **Improved power**
The 0.4mm center electrode increases output under various driving conditions
- > **Lower fuel consumption**
Even during idling ignition more output is assured, with less fuel consumption and less noise

IRIDIUM POWER®



Spark Plugs | Iridium Spark Plugs

GB

Iridium Racing

Top performance on the circuit!
 Use Iridium Racing and experience a ride like never before.

- > **Improved output**
 More power with an ideal combustion cycle.
- > **Improved acceleration**
 Unbeatable acceleration performance on the circuit.

IRIDIUM RACING®



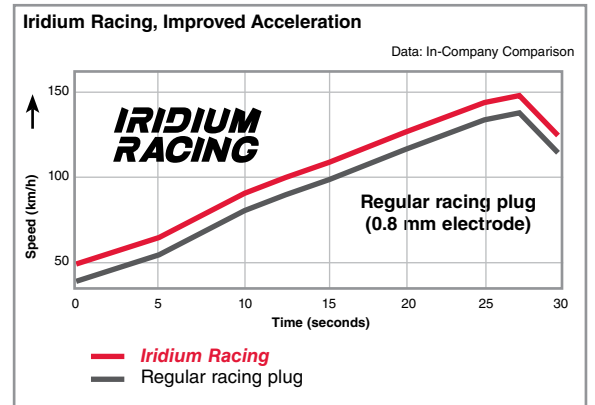
Time to reach 100 km/h (s) *

Plug	13.9	14.0
IRIDIUM RACING	13.950	
Regular racing plug (0.8 mm electrode)		13.985

Test Vehicle:
 > 250cc (2- cycle water cooled, 2 cylinder)

Test Conditions:
 > R/L 50 km, then accelerating for 27 seconds at full throttle (locked in 6th gear)

* The data shown is from internal studies.
 Also, the "regular racing plug" referred to here is a DENSO product.



Der DENSO-Unterschied

In der Zündkerzentechnologie hat DENSO seit 1959 Standards aufgestellt. Wir entwickeln alle unsere Produktreihen im eigenen Hause; die Produktion erfolgt in unseren eigenen, gemäß QS 9000 und ISO 9000 zertifizierten Werken in allen Teilen der Welt – und fehlerfreie fertigung gehört selbstverständlich zum Standard. Wir beliefern selbstverständlich auch den Aftermarket mit dieser herausragenden OE-Qualität. Über die Produktreihen Standard, Platin, Twin Tip und Iridium hinaus, decken Zündkerzen von DENSO ein komplettes Spektrum kontinuierlich aktualisierter Applikationen ab. garantierte optimale Motorleistung, denn Zündkerzen von DENSO lassen sich bei Kraftfahrzeugen, Motorrädern, Bootsmotoren und Kleinmotoren einsetzen.

Auswahl

Standard

- > Abdichtung mit Kupferglasschmelze fördert Wärmeableitung
- > Standardmäßige U-Rille
- > Tief liegender Kupferkern
- > Wärmebeständige Nickelmantelung

Iridium Power

- > Überlegenes Zündverhalten
- > Niedriger Zündspannungsbedarf
- > Besseres Beschleunigungsverhalten, bessere Betriebsstabilität
- > Reduzierter Kraftstoffverbrauch
- > Längere Lebensdauer

Iridium Racing

- > F1-Technologie
- > Ultimative Beschleunigung
- > Hohe Verlässlichkeit
- > Gesteigerte Leistungsabgabe

Typ	Standard	Iridium	
	Standard	Iridium Power	Iridium Racing
U-Rille	+ ¹	+ ²	-
Konisch zulaufende Masseelektrode	Einige Typen ³	+ ²	-
Werkstoff der Masseelektrode	Normal	Normal	Platin massiv
Mittelelektrode	2.5 mm	0.4 mm	0.4 mm ⁴
Verfügbare Wärmewertbereich	9-27	16-34	24-35
Entstörwiderstand	Die meisten Typen	Alle Typen	Alle Typen
Hohe Leistungsabgabe	+	++++	+++++
Kraftstoffeinsparung	Gut	Beste	-
Standzeit	Standard	Standard	Nur für den Rennsport

¹ Zündkerzen ohne ein 'U' in der Typbezeichnung haben keine U-Rille

² Nicht zutreffend für IU24A, IU27A, IU31A, IUF27A und IUF31A

³ Zündkerzen mit einem „Z“ in der Typbezeichnung besitzen eine konisch zulaufende Masseelektrode

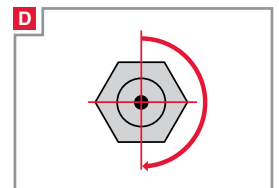
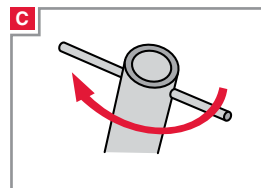
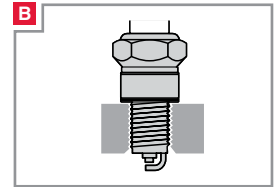
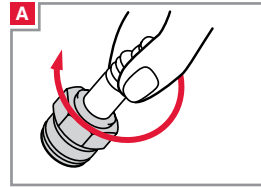
⁴ Außer Gleitfunkenzündkerzen

D

Zündkerzen montage

Empfohlenes Drehmoment und Anzugswinkel für DENSO-Zündkerzen.

1. Verwenden Sie den richtigen Schraubenschlüssel für den Sechskant der Zündkerze, und achten Sie darauf, den Isolator nicht zu beschädigen.
2. Beachten Sie beim Wechseln der Kerze, dass keine Verunreinigungen etc. von außerhalb in das Innere des Motors gelangen.
3. Bevor Sie die Zündkerzen einsetzen, reinigen den Flansch im Motor und kontrollieren anschließend dass der Dichtring korrekt sitzt.
4. Überprüfen Sie, ob die Zündkerzen vertikal ausgerichtet sind und ziehen Sie sie diese so weit wie möglich von Hand an (A+B).
5. Verwenden Sie anschließend einen Zündkerzenschlüssel, um die Kerzen genau auf das Drehmoment oder den Drehwinkel festzuziehen, welche der nachfolgenden Tabelle entnommen werden können (C+D).



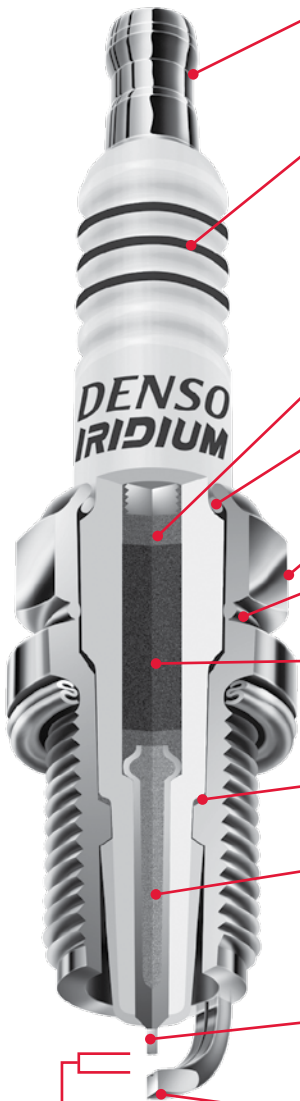
EMPFOLHENE EINBAUDREHMOMENTE					
Gewindegröße	Empfohlener Drehmoment	Empfohlene Drehungen			
		Neue Zündkerze	Gebrauchte Zündkerze		
Dichtring	M8 Ausführung Y	8-10 Nm	± 1 Umdrehung	± 1/12 Umdrehung	
	M10 Ausführung U, N	10-15 Nm	± 2/3 Umdrehung	± 1/12 Umdrehung	
	M10 Edelstahl-Dichtring	10-15 Nm	± 3/4 Umdrehung	± 1/12 Umdrehung	
	M12 Ausführung SXU, X, XE, XU, ZXE, ZXU	15-20 Nm	± 1/3 Umdrehung	± 1/12 Umdrehung	
	M14 Ausführung FK, J, K, KJ, P, PK, PKJ, PQ, Q, QJ, QL, S, SF, SK, SKJ, SV, SVK, VK, VKJ, W, ZT	20-25 Nm	± 1/2 Umdrehung	± 1/12 Umdrehung	
	M14 Edelstahl-Dichtring	20-25 Nm	± 2/3 Umdrehung	± 1/12 Umdrehung	
	M18 Ausführung L, M, MA, MW	30-40 Nm	± 1/4 Umdrehung	± 1/12 Umdrehung	
Konischer Sitz	M14 Ausführung PT, PTJ, T	20-30 Nm	± 1/16 Umdrehung	± 1/16 Umdrehung	
	M18 Ausführung MA	30-40 Nm	± 1/4 Umdrehung	± 1/12 Umdrehung	



Wenn Gewindeschmiermittel wie z.B. Fett verwendet wird, besteht die Gefahr, dass die Kerze, trotz Berücksichtigung des korrekten Drehmoments, zu stark angezogen wird. Dies führt zu Undichtigkeiten der Dichtung. Verwenden Sie deshalb bitte keine Gewindeschmiere.

Bitte beachten Sie die rechts in der Tabelle empfohlenen Werte bezüglich Anzugswinkel und Drehmoment. Wird die Zündkerze stärker angezogen, kann dies zu einem Schaden am Motor führen und weiterhin besteht die Gefahr, dass sich die Zündkerze aus dem Gewinde löst.

Merkmale der Zündkerze



Anschluss

Keramisolator

- > Fünffaches-Rippenprofil an der Kerzenaußenseite
- > Dies verringert Spannungsverluste und dient zum Schutz vor Zündaussetzern
- > Verwendung von hochreinem Aluminium
- > Gute elektrische Isolierung, Langlebigkeit und Wärmeleitfähigkeit
- > Chemisch stabil

Ring

Spezielle Kupfer-Glas-Verkapselung

- > Sehr gute Versiegelung, Langlebigkeit und Wärmeleitfähigkeit

DichtringGehäuse

- > Hoch korrosionsbeständige Vernickelung

Elektrisches Hitzesiegel

- > Wärmewiderstand, sorgt für gute termische Leitfähigkeit und niedrige Wärmewertabweichungen.

Widerstand

- > Mit einem 5 K Ω -Widerstand, vermindert Funkstörungen

Packung

Mittlelektrode mit Kupferkern

- > Verglichen mit anderen Herstellern ist mehr Kupfer vorhanden und somit bessere Wärmeeigenschaften
- > Von niedrigen zu hohen Drehzahlen gibt es einen starken und konstanten Funken

Mittlelektrode

- > Die DENSO Iridium-Zündkerzen haben Mittlelektroden mit dem weltweit kleinsten Durchmesser von 0,4 mm

Masselektrode

- > Erhältlich mit U-Rille, was eine rückstandsfreie Verbrennung begünstigt
- > Kegelsitz erzeugt eine gleichmäßige Zündung.

Zündstrecke

Spark Plugs | Merkmalstabelle

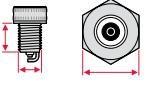


D

Iridium- / Platin- / Standard-Zündkerzen

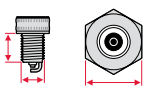


KENNZEICHNUNG DENSO ZÜNDKERZEN																																																														
	W	16	E	XR	-U	11																																																								
S	K	20		PR	-A	11																																																								
S	XU	22	H	CR	-11S																																																									
Verwendetes Edelmetall	Gewindedurchmesser und Hex-Größe	Wärmebereich			Gewindebereich	Elektrodendesign	Elektrodendesign	Zündstrecke																																																						
D 0.7 mm Durchmesser Iridium mit nadelförmiger Elektrode aus Platin F 0.55 mm Durchmesser Iridium mit nadelförmiger Elektrode aus Platin P 1.1 mm Durchmesser Platin mit Platinspitze S 0.7 mm Durchmesser Iridium mit Platinspitze SV .. 0.4 mm Durchmesser Iridium mit Platinspitze Z 0.55 mm Durchmesser Iridium mit Platinspitze	C 12x14.0 L 18x22.2 (Gewindebereich: 12.7 mm) M 18x25.4 (Gewindebereich: 12 mm) MA 18x20.6 (Kegelsitz, Gewindebereich: 12 mm) MW 18x20.6 (Gewindebereich: 12 mm) J 14x20.6 (Vorgezogene Funkenanlage) K 14x16.0 (Miniaturzündkerze) KJ 14x16.0 (Miniaturzündkerze mit vorgezogener Funkenanlage) LP 14x20.6 (Zündkerze für LPG-Anwendungen) Q 14x16.0 (Miniaturzündkerze) QJ 14x16.0 (Miniaturzündkerze mit vorgezogener Funkenanlage) QL 14x20.6 (Miniaturzündkerze mit langem Zylindergehäuse) S 14x20.6 (Gleitfunkenkerze für RE-Motoren) T 14x16.0 (Kegelsitz) W 14x20.6 14x19.0 (Kompakttyp) X 12x18.0 XE 12x14.0 XU 12x16.0 N 10x16.0 U 10x16.0 Y 8x13.0	<table border="1"> <thead> <tr> <th>DENSO</th> <th>NGK</th> <th>CHAMPION</th> <th>BOSCH</th> </tr> </thead> <tbody> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>9</td> <td>2</td> <td>18</td> <td>10</td> </tr> <tr> <td>14</td> <td>4</td> <td>16,14</td> <td>9</td> </tr> <tr> <td>16</td> <td>5</td> <td>12,11</td> <td>8</td> </tr> <tr> <td>20</td> <td>6</td> <td>10,9</td> <td>7,6</td> </tr> <tr> <td>22</td> <td>7</td> <td>8,7</td> <td>5</td> </tr> <tr> <td>24</td> <td>8</td> <td>6,63,61</td> <td>4</td> </tr> <tr> <td>27</td> <td>9</td> <td>4,59</td> <td>3</td> </tr> <tr> <td>29</td> <td>9.5</td> <td>57</td> <td></td> </tr> <tr> <td>31</td> <td>10</td> <td>55</td> <td>2</td> </tr> <tr> <td>32</td> <td>10.5</td> <td>53</td> <td></td> </tr> <tr> <td>34</td> <td>11</td> <td></td> <td></td> </tr> <tr> <td>35</td> <td>11.5</td> <td></td> <td></td> </tr> </tbody> </table>	DENSO	NGK	CHAMPION	BOSCH	4				9	2	18	10	14	4	16,14	9	16	5	12,11	8	20	6	10,9	7,6	22	7	8,7	5	24	8	6,63,61	4	27	9	4,59	3	29	9.5	57		31	10	55	2	32	10.5	53		34	11			35	11.5			A 19.0 mm (Funkenlage: 7.0 mm) J16AR-U11 A 21.5 mm S29A B 19.0 mm (Funkenlage: 9.5 mm) J16BR-U C 19.0 mm (Funkenlage: 5.0 mm) KJ20CR-L11 D 19.0 mm (Ummantelung 2) K20DTR-S11 E (Mit Dichtring) 19.0 mm W16EX-U E (Mit Dichtring) 20.0 mm W25EBR E (Kegelsitz) 19.0 mm T16EPR-U F 19.0 mm W20FP-U FE 19.0 mm (Halbes Gewinde) U24FER9 G 19.0 mm (Ummantelung 3.5) PK20GR8 G 19.0 mm (Ummantelung 3) X27GPR-U H 26.5 mm QJ16HR-U H 12.7 mm W20FP-U H 19.0 mm (Funkenlage: 8.5 mm) K16HPR-U11 L 11.2 mm W14L N (Kegelsitz, Halbes Gewinde) 17.5 mm T20NR-U11 V (Kegelsitz) 25.0 mm PT16VR13 Kein 9.5 mm W14M-U 11.2 mm L14-U, M24S 19.0 mm SK20R11 21.5 mm S29A Kein (Kegelsitz) 8.3 mm T20M-U 11.2 mm T16PR-U	A Doppelte Masseelektroden W22EA AY .. Doppelte Masseelektroden; gebogen J16AY B Dreifache Masseelektroden W22EB BG .. Dreifache Masseelektroden (ummantelt) SK20BGR11 C Ummantelung 1.5mm SXU22HCR11 D 4 Masseelektroden W27EDR D Vorgezogen (1.5 mm vorstehender Isolator, Funkenlage 3.5 mm) XU22HDR9 E Ummantelung: 2.0mm FXE20HE11 K Vorgezogen (1 mm vorstehender Isolator) W16EKR-S11 LM .. Kompakttyp (Hex-Größe 20.6 mm) W14LM-U M Länge von kurzem Isolatorkopf W27EMR-C M Kompakttyp (Hex-Größe 19.0 mm) W20M-U P Vorgezogen (1.5 mm vorstehender Isolator) W16EP-U Q 2 mm vorstehender Isolator, Funkenlage 3.5 mm R 5 kOhm Widerstand K16R-U S Nicht vorgezogen (0 mm vorstehender Isolator) W22ES-U S Iridium auf einer Seite KJ20SR11 T Doppelte Masseelektroden K16TR11 TM .. Doppelte Masseelektroden K22TMR11 TN .. Doppelte Masseelektroden K22TNR-S X Extra vorgezogen (2.5 mm vorstehender Isolator) W16EX-U	-A ... Sonderspezifikation SK16PR-A11 -B ... Sonderspezifikation K16PSR-B8 -C ... Rückgesetzte Masseelektrode W27EMR-C -D ... Kupferkern-Masseelektrode DK20PR-D13 -E ... Sonderspezifikation SK16PR-E11 -F ... Sonderspezifikation SK16PR-F11 -G ... Geschmirtes Gewinde (für Erdgasfahrzeuge) SK20R8-G -GL .. Platin-Mittelelektrode X22EPR-L -L ... Hitzebeständige Masseelektrode K20PR-L11 -L ... 3.5 mm vorgezogener Isolator (für Motorräder) W20FP-UL -L ... Zurückgezogener Isolator (für Motorräder) W20FR-L -M ... Größere Masseelektrode SK20PR-M11S -N ... Für Yamaha und Kawasaki U27ESR-N -P ... Doppelte Platinschicht auf Masseelektrode SK20R-P11 -P ... Platinschicht auf einer Seite K16PR-P11 -R ... 10 kOhm Widerstand K22PR-UR -S ... Luftgleitfunken W20EP-S11 -S ... Edelstahl-dichtring U27FER9S -T ... Für LPG-Fahrzeuge SK20HR8-T -T ... Sonderspezifikation FK20HBR11-T -TP .. Kegelförmige, einseitig platinbeschichtete Masseelektrode K20PR-TP11 -U ... Masseelektrode mit U-Rille K16PR-U -US .. Sternförmige Mittelelektrode W20M-US -V ... Nickel-Mittelelektrode mit 1.3 mm Durchmesser W27ES-U	5 0.5 mm (.020") 8 0.8 mm (.032") 9 0.9 mm (.035") 10 1.0 mm (.040") 11 1.1 mm (.044") 13 1.3 mm (.050") 14 1.4 mm (.055") 15 1.5 mm (.060") <Keine> PKW: 0.8 mm M/C: 0.7 mm <Ausnahmen>: Zündstrecken von P16R, PQ16R, PQ20R betragen 1.1 mm
	DENSO	NGK	CHAMPION	BOSCH																																																										
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D

IRIDIUM POWER® Reihe (Power, Tough, Plus)

KENNZEICHNUNG DENSO ZÜNDKERZEN																																																
I	U	27	A																																													
VF	KH	20																																														
																																																
Hochleistungszündkerze	Gewindedurchmesser, Gewindebereich und Hex-Größe	Wärmebereich		Elektrodendesign																																												
I 0.4 mm Iridium-Mittelelektrode V 0.4 mm Iridium-Mittelelektrode; Masselektrode mit Platinspitze VF ... 0.4 mm Iridium-Mittelelektrode; Masselektrode mit nadelförmiger Platinspitze	<Gewindedurchmesser x Gewindebereich x Hex-Größe (mm)> CH ... 12x26.5x14.0 K ... 14x19.0x16.0 KA ... 14x19.0 (Ummantelt, neue Dreifach-Masselektrode)x16.0 KB ... 14x19.0 (Neue Dreifach-Masselektroden)x16.0 KBH ... 14x26.5 (Neue Dreifach-Masselektroden)x16.0 KD ... 14x19.0 (Ummantelt)x16.0 KH ... 14x26.5x16.0 NH ... 10x19.0 (Halbes Gewinde)x16.0 T ... 14x17.5 (Kegelsitz)x16.0 TF ... 14x11.2 (Kegelsitz)x16.0 TL ... 14x25.0 (Kegelsitz, langer Isolator)x16.0 TV ... 14x25.0 (Kegelsitz)x16.0 Q ... 14x19.0x20.6 U ... 10x19.0x16.0 UF ... 10x12.7x16.0 UH ... 10x19.0 (Halbes Gewinde)x16.0 W ... 14x19.0x20.6 WF ... 14x12.7x20.6 WM ... 14x19.0x20.6 (Kompakter Isolator) X ... 12x19.0x18.0 XEH ... 12x26.5 (Ummantelung 2.0)x14.0 XG ... 12x19.0 (Ummantelung 3.0)x18.0 XU ... 12x19.0x16.0 XUH ... 12x26.5x16.0 Y ... 8x19.0 (Halbes Gewinde)x13.0	<table border="1"> <thead> <tr> <th>DENSO</th> <th>NGK</th> <th>CHAMPION</th> <th>BOSCH</th> </tr> </thead> <tbody> <tr><td>16</td><td>5</td><td>12,11</td><td>8</td></tr> <tr><td>20</td><td>6</td><td>10,9</td><td>7,6</td></tr> <tr><td>22</td><td>7</td><td>8,7</td><td>5</td></tr> <tr><td>24</td><td>8</td><td>6,63,61</td><td>4</td></tr> <tr><td>27</td><td>9</td><td>4,59</td><td>3</td></tr> <tr><td>29</td><td>9.5</td><td>57</td><td></td></tr> <tr><td>31</td><td>10</td><td>55</td><td>2</td></tr> <tr><td>32</td><td>10.5</td><td>53</td><td></td></tr> <tr><td>34</td><td>11</td><td></td><td></td></tr> <tr><td>35</td><td>11.5</td><td></td><td></td></tr> </tbody> </table>	DENSO	NGK	CHAMPION	BOSCH	16	5	12,11	8	20	6	10,9	7,6	22	7	8,7	5	24	8	6,63,61	4	27	9	4,59	3	29	9.5	57		31	10	55	2	32	10.5	53		34	11			35	11.5			A Schräge Elektrode, keine U-Rille, nicht kegelförmig B ... Vorgezogener Isolator (1.5 mm) C ... Keine U-Rille D ... Keine U-Rille, Inconel-Masselektrode E ... Ummantelung: 2 mm ES ... Edeldichtring F ... Sonderspezifikation G ... Edeldichtring I ... Funkenlage: 4 mm Vorgezogener Isolator (1.5 mm) J ... Funkenlage: 5 mm K ... Funkenlage: 4 mm Vorgezogener Isolator (2.5 mm) L ... Funkenlage: 5 mm T ... Für LPG-Anwendungen Y ... 0.8 mm Zündstrecke Z ... Kegelförmig	
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TT

KENNZEICHNUNG DENSO ZÜNDKERZEN																				
W	16	TT																		
																				
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<Gewindedurchmesser x Gewindebereich x Hex-Größe (mm)> W ... 14x19.0x20.6 K ... 14x19.0x16.0 KH ... 14x26.5x16.0 Q ... 14x19.0x16.0 T ... 14x17.5x16.0 WF ... 14x12.7x20.6 TV ... 14x25.0x16.0	<table border="1"> <thead> <tr> <th>DENSO</th> <th>NGK</th> <th>CHAMPION</th> <th>BOSCH</th> </tr> </thead> <tbody> <tr><td>16</td><td>5</td><td>12,11</td><td>8</td></tr> <tr><td>20</td><td>6</td><td>10,9</td><td>7,6</td></tr> <tr><td>22</td><td>7</td><td>8,7</td><td>5</td></tr> </tbody> </table>	DENSO	NGK	CHAMPION	BOSCH	16	5	12,11	8	20	6	10,9	7,6	22	7	8,7	5	TT = Twin Tip (1.5mm Nickel CE, 1.5mm GE) CE = Mittelelektrode GE = Masselektrode		
DENSO	NGK	CHAMPION	BOSCH																	
16	5	12,11	8																	
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22	7	8,7	5																	

Unterschiedliche Produktreihen im Zündkerzenprogramm von DENSO

Nachfolgend ein zusammenfassender Überblick über die unterschiedlichen Ausführungen von Zündkerzen im Zündkerzenprogramm von DENSO, was die korrekte Wahl für den jeweiligen Anwendungsfall erleichtern soll.

Standard



Kerze mit drei Masseelektroden

Beispiel: K22PB/W20EPB

- > Drei Masseelektroden
- > Längere Lebensdauer
- > Für Audi, VW, Citroën, Fiat, Mercedes-Benz, Renault



Zündkerze mit U-Rille

Beispiel: W16EX-U

- > Masseelektrode mit U-Rille liefert eine hohe Zündenergie
- > Entzündet problemlos auch magerere Gemische
- > Voller Überstand (2,5 mm Isolatorüberstand) verringert Verkokung
- > Hervorragendes Startverhalten und gutes Beschleunigungsverhalten



Halbleitfunken-Zündkerze für Kreiskolbenmotoren

Beispiel: S29A

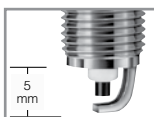
- > Halbleitfunkenübertritt
- > Erhöhte Zündleistung, geringere Verkokung, längere Lebensdauer
- > Geringere Kriechstromverluste durch einen Isolator mit 7 Rippen



Verlängerte Zündkerzen

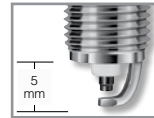
Beispiel: J16AR-U11

- > Masseelektrode mit U-Rille für hervorragende Zündleistung
- > Entzündet auch magerere Gemische
- > Funkenlage wird in den Verbrennungsraum vorgeschoben – verbesserte Verbrennungseffizienz, geringerer Kraftstoffverbrauch, verbessertes Fahrverhalten



Beispiel: KJ20CR11/KJ20CR-U11

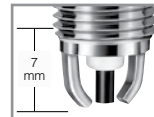
- > Ausschließlich für Fahrzeug von Mazda und Mitsubishi
- > KJ20CR11 besitzt keine U-Rille
- > KJ20CR-U11 besitzt eine U-Rille



Verlängerte Zündkerzen

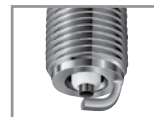
Beispiel: KJ20CR-L11

- > Masseelektrode ist konisch geschnitten
- > Sehr feine Mittelelektrode
- > Höhere Zündleistung
- > Ausschließlich für benannte Fahrzeuge



Beispiel: J16AY

- > Ausschließlich für Anwendungen von Daihatsu
- > Zwei Masseelektroden gewährleisten Langlebigkeit



Halbleitfunken-Zündkerze

Beispiel: W20EKR-S11/W20EPR-S11

- > Halbleitfunkenübertritt verbessert die Zündleistung, verringert die Verkokung
- > W20EKR-S11 für Fahrzeuge von Honda
- > W20EPR-S11 für Fahrzeuge von Mitsubishi



Halbleitfunken-Zündkerze mit zwei Masseelektroden

Beispiel: W20ETR-S11

- > Zwei Masseelektroden mit einem Elektrodenabstand von 1 mm
- > Zwei kurze, einander gegenüberliegende Masseelektroden erbringen exzellente Lebensdauer
- > Voller Überstand verbessert die Zündleistung
- > Neuer Elektrodenabstand verringert die Neigung der Verkokung
- > Ausschließlich für Anwendungen von Toyota und Daihatsu



Halbleitfunken-Zündkerze mit Ummantelung und zwei Masseelektroden

Beispiel: K20DTR-S11/W20DTR-S11

- > Halbleitfunkenausführung
- > Endabschnitt des Kerzengehäuse-Gewindeteils ist in den Verbrennungsraum verlängert
- > Ummantelung verringert die Verkokung
- > Ausschließlich für Anwendungen von Daihatsu und Subaru



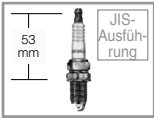
Zündkerze mit sternförmiger Mittelelektrode

Beispiel: W9LM-US

- > Eingesetzt bei Zündkerzen für Kleinmotoren
- > Stärkerer Zündfunke, verbessertes Startverhalten
- > weniger Fehlzündungen
- > Weniger Verkokung
- > Masseelektrode mit U-Rille

D

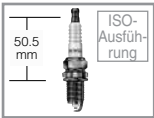
Standard



Kleine Sechskantkerze

Beispiel: Q16R-U11/Q16PR-U11

- > Kleinere Zündkerze durch Verkleinerung des Sechskants (16 mm)



ISO-kompatible kleine Sechskantkerze

Beispiel: K16-RU11/K16PR-U11

- > Entspricht ISO-Normen
- > Bei der Montage aufpassen: Einbauhöhe 2,5 mm geringer als beim Typ Q



Kleine Zündkerze für Kleinwagen

Beispiel: XU22EPR-U

- > Nutzbar für Kleinwagen durch Verkleinerung des Sechskants (16 mm)
- > Gewindegröße 12 mm



Zündkerzen mit langem Kerzengehäuse

Beispiel: QL20PR-U/QL20TR-S

- > Durch Verlängerung des zylindrischen Mittelabschnitts konnte das Einbaumaß beibehalten werden
- > QL20TR-S besitzt zwei Masseelektroden und ist eine Halbleitfunkenkerze zur Minderung von Verkokung
- > Ausschließlich für Anwendungen von Daihatsu



Zündkerze mit Kegelsitz

Beispiel: T16EPR-U

- > Ausschließlich für japanische Anwendungen, die keinen Dichtring benötigen

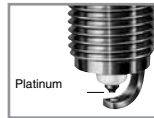


Entstörte Kerze

Senkt die Ausstrahlung der im Zündvorgang entstehenden Störstrahlung

- > Einbau eines 5k W -Widerstands zwischen Mittelelektrode und Mittelelektrodenkern
- > Verringert die Störausstrahlung zum Radio beim Zündvorgang
- > Die meisten Neufahrzeuge werden standardmäßig mit Widerstandszündkerzen ausgerüstet

Platinum



Platin Zündkerze

Beispiel: PK20R11

- > Platin wird sowohl für die Mittel- wie auch die Masseelektrode eingesetzt
- > Die sehr feine Mittelelektrode und Platinspitze optimiert den Kraftstoffverbrauch und verbessern sowohl das Fahrverhalten als auch die Laufleistung der Zündkerze



Platin Zündkerze für DLI (Plus-Übertritt)

Beispiel: PK20R-P11

- > Vergrößerung der Platinspitze verhindert Verschleiß beim Plus-Übertritt (+)



Verlängerte Platin Zündkerze

Beispiel: PKJ20CR-L11

- > Funkenlage wird im Verbrennungsraum vorgeschoben
- > Erhöhte Zündeffizienz
- > Verringerter Kraftstoffverbrauch, verbessertes Fahrverhalten



Platin Zündkerze mit zwei Masseelektroden

Beispiel: PK20TR11

- > Die den Masseelektroden gegenüberliegenden Oberflächen der Mittelelektrode sind platinbeschichtet.
- > Die Ausführung mit zwei Masseelektroden erbringt geringeren Zündspannungsbedarf beim Plus-Übertritt (+)



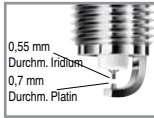
Platin Zündkerze mit einer Platinelektrode

Beispiel: Q20PR-P11/K16PR-TP11

- > Nur die Mittelelektrode trägt eine Platinspitze, so dass diese verjüngt werden kann.
- > Verringert den Kraftstoffverbrauch, verbessert Fahrverhalten und Lebensdauer.
- > Die konisch geschnittene Masseelektrode sorgt für eine erhöhte Zündleistung.

D

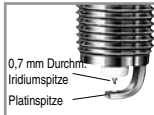
Iridium



SIP

Beispiel: FK20HR11

- > Revolutionäre Technologie von DENSO
- > Nadelförmig zulaufende Masseelektrode
- > Erheblich geringere Funkenquetschung



OE Iridium Zündkerze

Beispiel: SK16R-P11/SK20R11

- > Von DENSO entwickelt, weltweit die erste hochfeine Elektrode aus Iridiumlegierung mit 0,7 mm Durchmesser
- > Drastisch verbesserte Zündleistung und längere Lebensdauer



Iridium Power

Beispiel: IK20

- > Die ultrafeine Iridium-Mittelelektrode mit einem Durchmesser von 0,4 mm verbessert weitgehend die Zündfähigkeit und verringert die erforderliche Funkenspannung
- > Überstehende Mittelelektrode an den meisten Typen
- > Masseelektrode mit U-förmiger Nut an den meisten Typen
- > Masseelektrode mit Kegelschnitt an den meisten Typen



Iridium Tough

Beispiel: VK20

- > Die ultrafeine Iridium-Mittelelektrode mit einem Durchmesser von 0,4 mm verbessert weitgehend die Zündfähigkeit und verringert die erforderliche Funkenspannung
- > Die Masseelektrode mit Platinspitze erreicht eine hohe Lebensdauer



Iridium Tough Double Needle

Beispiel: VFKH20

- > 0,7mm nadelförmige Platin-Masseelektrode verbessert den Verbrennungsvorgang und erhöht die Beschleunigung
- > Ultrafeine 0,4 mm Iridium-Mittelelektrode verbessert die Zündfähigkeit entscheidend

TT



TT-Zündkerze

- > Die erste Feindraht-Zündkerze ohne Edelmetall an den Elektroden
- > Mit einer Mittelelektrode aus Nickellegierung und einer vorspringenden „Zwillings“-Masseelektrode mit einem schlankeren Durchmesser von nur 1,5 mm
- > Verringert Kohlendioxidemissionen
- > Bewirkt eine drastische Verbesserung des Kraftstoffverbrauchs

D

Iridium Power

Unter Verwendung der weltweit kleinsten Mittelelektrode von 0,4 mm Durchmesser, besitzt die Iridium Power Zündkerze eine ausgezeichnete Zündleistung auch bei niedriger Spannung und holt damit eine bessere Leistung aus Ihrem Auto heraus:

> **Verbesserte Leistung**

Iridium Power besitzt auch bei niedriger Spannung eine hohe Zündfähigkeit, dies führt zu weniger Fehlzündungen und vermindert Fehlfunken. Das Ergebnis ist eine drastische Verbesserung der Verbrennung und einer Verbesserung der Motorleistung.

> **Verbesserte Antriebsleistung**

Durch konstante Zündfähigkeit wird die Beschleunigungsleistung drastisch verbessert.

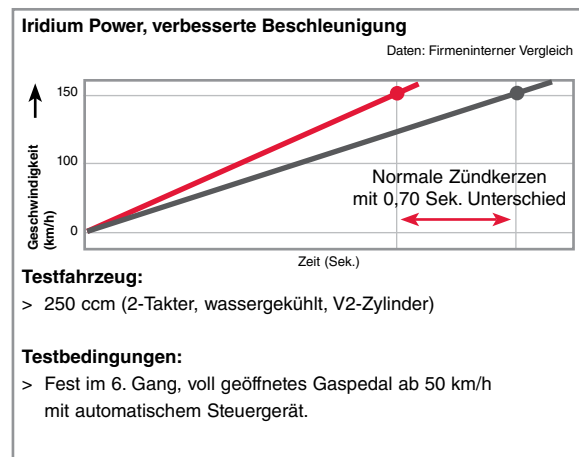
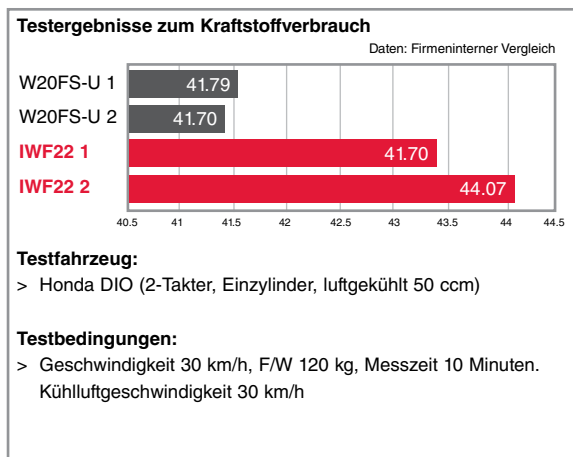
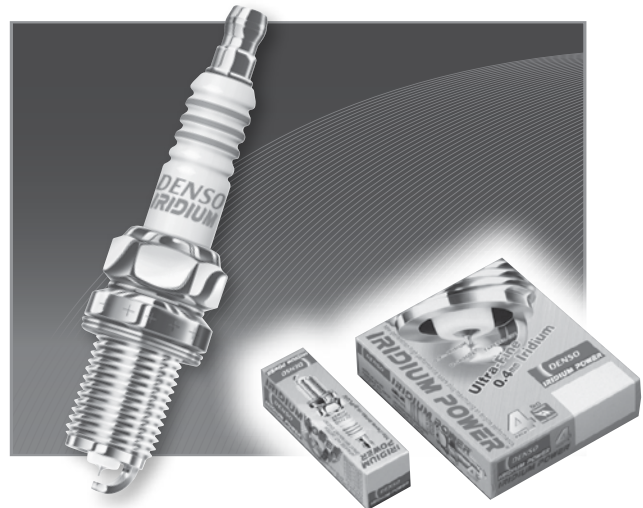
> **Verbesserte Kraftentwicklung**

Die 0,4-mm-Mittelelektrode verbessert die Leistung unter verschiedenen Fahrbedingungen.

> **Geringerer Kraftstoffverbrauch**

Sogar während des Leerlaufs ist Zündleistung sichergestellt, mit niedrigerem Kraftstoffverbrauch und geringeren Nebengeräuschen.

IRIDIUM POWER®



Spark Plugs | Iridium-Zündkerzen

D

Iridium Racing

Topleistung auf der Rennstrecke! Verwenden Sie Iridium Racing und erleben Sie eine Fahrt wie noch nie zuvor.

- > **Verbesserte Leistung**
Größere Antriebskraft mit einem idealen Verbrennungstakt.
- > **Verbesserte Beschleunigung**
Unschlagbare Beschleunigungsleistung auf der Rennstrecke.

IRIDIUM RACING®



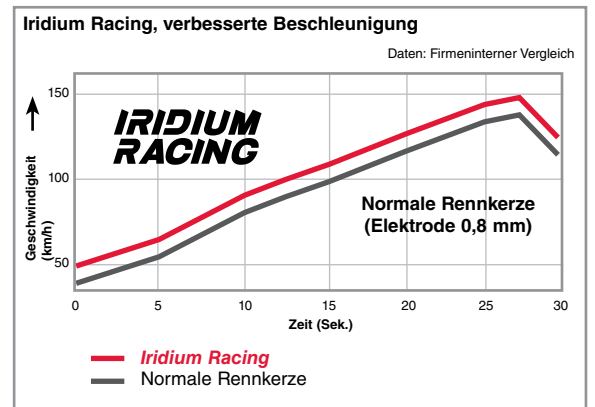
Zeit bis Erreichen von 100 km/h (in Sek.) *

Zündkerze	13.9	14.0
IRIDIUM RACING	13.950	
Normale Rennkerze (Elektrode 0,8 mm)	13.985	

Testfahrzeug:
> 250 ccm (2-Takter, wassergekühlt, 2-Zylinder)

Testbedingungen:
> R/L 50 km, dann 27 Sekunden lang Vollgas (fest im 6. Gang)

* Die genannten Daten stammen aus internen Studien. Die erwähnte "normale Rennkerze" ist ebenfalls ein DENSO-Produkt..



La différence DENSO

DENSO fixe la norme de la technologie des bougies d'allumage depuis 1959. Nous développons toutes nos gammes en interne et nous les fabriquons dans nos propres usines certifiées QS 9000 et ISO 9000 réparties dans le monde – avec « zéro défaut » en standard. Nous fournissons également cette qualité d'origine exceptionnelle au marché des pièces de rechange. Les bougies d'allumage DENSO couvrent une gamme complète de références continuellement mises à jour comprenant notamment Standard, Platinum, Twin Tip et Iridium. Pour garantir une performance de moteur optimale, choisissez les bougies d'allumage DENSO pour toutes les applications de véhicules automobiles, motos, moteurs marins et petits moteurs.

Gamme

Standard

- > Joint cuivre-verre favorisant la dissipation thermique
- > U-groove standard
- > Noyau de cuivre profondément inséré
- > Nickelage résistant à la chaleur

Iridium Power

- > Capacité d'allumage exceptionnelle
- > Tension requise basse
- > Meilleure accélération et meilleure stabilité opérationnelle
- > Consommation de carburant moindre
- > Plus grande longévité

Iridium Racing

- > Technologie F1
- > Accélération optimale
- > Grande fiabilité
- > Performance boostée

Type	Standard	Iridium	
	Standard	Iridium Power	Iridium Racing
Rainure U	+ ¹	+ ²	-
Électrode de masse conique	Certains types ³	+ ²	-
Matériau d'électrode de masse	Normal	Normal	Tout platine
Électrode centrale	2.5 mm	0.4 mm	0.4 mm ⁴
Degré thermique disponible	9-27	16-34	24-35
Resistance	La plupart des types	Tous types	Tous types
Haute performance	+	++++	+++++
Économie de carburant	Bonne	La meilleure	-
Durée de vie	Standard	Standard	Course uniquement

¹ Les types de bougies ne contenant pas 'U' ne possèdent pas d'encoche en U

² Non applicable à IU24A, IU27A, IU31A, IUF27A ni IUF31A

³ Les types de bougies contenant 'Z' possèdent une électrode de masse conique

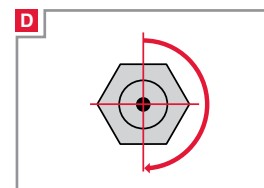
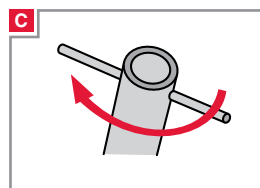
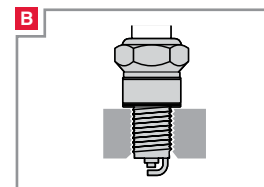
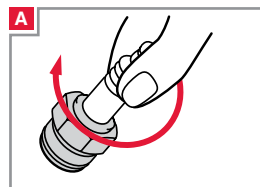
⁴ Sauf pour les types à décharge superficielle

F

Fixation De Bougie

Couple et angle de serrage recommandés pour les bougies DENSO.

1. Utilisez la clé correspondant à l'hexagone de la bougie et veillez à ne pas endommager l'isolant.
2. Lors du remplacement, évitez que l'huile, entre autres, qui se trouve à l'extérieur de la bougie ne pénètre à l'intérieur du moteur.
3. Lors de l'insertion des bougies, nettoyez le côté moteur du flasque et fixez les bougies après s'être assuré que le joint se trouve dans le flasque.
4. Veillez à ce que les bougies soient à la verticale et serrez-les manuellement jusqu'à la butée (A+B).
5. Puis, à l'aide d'une clé pour obturateurs, serrez-les jusqu'au couple ou à l'angle de rotation illustrés dans le tableau ci-dessous (C+D).



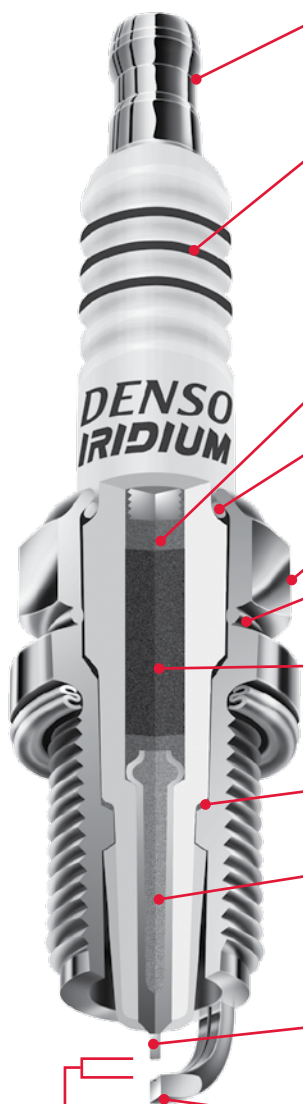
COUPLE RECOMMANDÉ POUR L'INSTALLATION					
Taille de filetage	Couple recommandé	Tours recommandés			
		Bougie neuve	Ancienne bougie		
Joint	M8 Type Y	8-10 Nm	± 1 tour	± 1/12 tour	
	M10 Type U, N	10-15 Nm	± 2/3 tour	± 1/12 tour	
	M10 Joint en acier inoxydable	10-15 Nm	± 3/4 tour	± 1/12 tour	
	M12 Type SXU, X, XE, XU, ZXE, ZXU	15-20 Nm	± 1/3 tour	± 1/12 tour	
	M14 Type FK, J, K, KJ, P, PK, PKJ, PQ, Q, QJ, QL, S, SF, SK, SKJ, SV, SVK, VK, VKJ, W, ZT	20-25 Nm	± 1/2 tour	± 1/12 tour	
	M14 Joint en acier inoxydable	20-25 Nm	± 2/3 tour	± 1/12 tour	
	M18 Type L, M, MA, MW	30-40 Nm	± 1/4 tour	± 1/12 tour	
Siège conique	M14 Type PT, PTJ, T	20-30 Nm	± 1/16 tour	± 1/16 tour	
	M18 MA type	30-40 Nm	± 1/4 tour	± 1/12 tour	



Si le filetage est recouvert d'un lubrifiant à fil comme de la graisse, évitez de serrer au couple recommandé car cela peut provoquer une fuite. Ne pas utiliser un lubrifiant à fil.

Le serrage au-delà de l'angle de serrage et du couple indiqués à droite peut endommager le moteur et entraîner le retrait de la bougie au niveau du filetage.

Caractéristiques de la bougie



Borne

Isolant en céramique

- > Le motif à cinq nervures est visible sur toute la surface
- > Il réduit les pertes de tension et évite les étincelles ratées
- > Alumine de haute pureté utilisée
- > Bonnes isolation électrique, durabilité et conductivité thermique
- > Stabilité chimique

Segment

Scellement spécial cuivre-verre

- > Bonnes étanchéité à l'air, durabilité et conductivité thermique.

Gaine

- > Revêtement en nickel anti-corrosion

Joint thermique électrique

- > Résistance à la chaleur, bonne herméticité et faible variation dans la plage thermique.

Résistance

- > Avec une résistance de 5 K Ω , le bruit radioélectrique est réduit.

Conditionnement

Électrode centrale à noyau en cuivre

- > Contrairement aux produits d'autres fabricants, il y a plus de cuivre avec de meilleures propriétés thermiques.
- > En vitesse basse ou élevée, l'étincelle est franche et soutenue.

Électrode centrale

- > Avec seulement 0,4 mm, le diamètre de l'électrode centrale des bougies à l'iridium de DENSO est le faible du monde

Électrode de masse

- > Disponible avec une rainure en U pour une combustion plus complète
- > Forme conique pour un allumage soutenu.

Écartement des pointes

Spark Plugs | Tableau d'identification

F

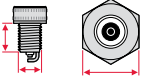


Bougies Iridium / Platinum / Standard

IDENTIFICATION DES BOUGIES D'ALLUMAGE DENSO																																																														
	W	16	E	XR	-U	11																																																								
S	K	20		PR	-A	11																																																								
S	XU	22	H	CR	-11S																																																									
Type de métal précieux	Diamètre de filetage et taille Hex	Valeur thermique				Portée	Forme (Type)	Forme (Type)	Écartement																																																					
D 0.7 mm de diamètre Iridium avec aiguille platine F 0.55 mm de diamètre Iridium avec aiguille platine P 1.1 mm de diamètre Platine avec pointe platine S 0.7 mm de diamètre Iridium avec pointe platine SV .. 0.4 mm de diamètre Iridium avec pointe platine Z 0.55 mm de diamètre Iridium avec pointe platine	C 12x14.0 L 18x22.2 (Portée: 12.7 mm) M 18x25.4 (Portée: 12 mm) MA 18x20.6 (Siège conique, Portée: 12 mm) MW 18x20.6 (Portée: 12 mm) J 14x20.6 (Bougie projetée) K 14x16.0 (Bougie miniature) KJ 14x16.0 (Bougie projetée miniature) LP 14x20.6 (Bougie pour applications GPL) Q 14x16.0 (Bougie miniature) QJ 14x16.0 (Bougie projetée miniature) QL 14x20.6 (Bougie miniature à boîtier cylindrique long) S 14x20.6 (Bougies avec écartement de surface (pour moteurs RE)) T 14x16.0 (Siège conique) W 14x20.6 14x19.0 (Type compact) X 12x18.0 XE 12x14.0 XU 12x16.0 N 10x16.0 U 10x16.0 Y 8x13.0	<table border="1"> <tr> <th>DENSO</th> <th>NGK</th> <th>CHAMPION</th> <th>BOSCH</th> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>9</td> <td>2</td> <td>18</td> <td>10</td> </tr> <tr> <td>14</td> <td>4</td> <td>16,14</td> <td>9</td> </tr> <tr> <td>16</td> <td>5</td> <td>12,11</td> <td>8</td> </tr> <tr> <td>20</td> <td>6</td> <td>10,9</td> <td>7,6</td> </tr> <tr> <td>22</td> <td>7</td> <td>8,7</td> <td>5</td> </tr> <tr> <td>24</td> <td>8</td> <td>6,63,61</td> <td>4</td> </tr> <tr> <td>27</td> <td>9</td> <td>4,59</td> <td>3</td> </tr> <tr> <td>29</td> <td>9.5</td> <td>57</td> <td></td> </tr> <tr> <td>31</td> <td>10</td> <td>55</td> <td>2</td> </tr> <tr> <td>32</td> <td>10.5</td> <td>53</td> <td></td> </tr> <tr> <td>34</td> <td>11</td> <td></td> <td></td> </tr> <tr> <td>35</td> <td>11.5</td> <td></td> <td></td> </tr> </table>	DENSO	NGK	CHAMPION	BOSCH	4				9	2	18	10	14	4	16,14	9	16	5	12,11	8	20	6	10,9	7,6	22	7	8,7	5	24	8	6,63,61	4	27	9	4,59	3	29	9.5	57		31	10	55	2	32	10.5	53		34	11			35	11.5			A 19.0 mm (Position de l'étincelle: 7.0 mm) J16AR-U11 A 21.5 mm S29A B 19.0 mm (Position de l'étincelle: 9.5 mm) J16BR-U C 19.0 mm (Position de l'étincelle: 5.0 mm) KJ20CR-L11 D 19.0 mm (Blindage 2) K20DTR-S11 E (Avec joint) 19.0 mm W16EX-U E (Avec joint) 20.0 mm W25EBR E (Siège conique) 19.0 mm T16EPR-U F 12.7 mm W20FP-U FE 19.0 mm (Semi-filetage) U24FER9 G 19.0 mm (Blindage 3.5) PK20GR8 G 19.0 mm (Blindage 3) X27GPR-U H 26.5 mm QJ16HR-U H 19.0 mm (Position de l'étincelle: 8.5 mm) K16HPR-U11 L 11.2 mm W14L N (Siège conique, Semi-filetage) 17.5 mm T20NR-U11 V (Siège conique) 25.0 mm PT16VR13 Aucune 9.5 mm W14M-U 11.2 mm L14-U, M24S 19.0 mm SK20R11 21.5 mm S29A Aucune (Siège conique) 8.3 mm T20M-U 11.2 mm T16PR-U	A Double électrode de masse W22EA AY .. Double électrode de masse à forme courbée J16AY B Triple électrode de masse W22EB BG .. Triple électrode de masse (blindage) SK20BGR11 C Blindage 1.5mm SXU22HCR11 D 4 électrodes de masse W27EDR D Projetée (1.5 mm de projection, position de l'étincelle 3.5 mm) XU22HDR9 E Blindage: 2.0mm FXE20HE11 K Projetée (1 mm de projection) W16EKR-S11 LM .. Type compact (Hex 20.6 mm) W14LM-U M Longueur de la tête de l'isolant raccourcie W27EMR-C M Type compact (Hex 19.0 mm) W20M-U P Projetée (1.5 mm de projection) W16EP-U Q Projetée 2 mm, position de l'étincelle 3.5 mm R Résistance de 5 kOhm K16R-U S Non-projetée (0 mm de projection) W22ES-U S Iridium sur un côté KJ20SR11 T Double électrode de masse K16TR11 TM .. Double électrode de masse K22TMR11 TN .. Double électrode de masse K22TNR-S X Complètement projetée (2.5 mm de projection) W16EX-U	-A ... Spécification spéciale SK16PR-A11 -B ... Spécification spéciale K16PSR-B8 -C ... Électrodes de masse fluxées W27EMR-C -D ... Électrode de masse à noyau en cuivre DK20PR-D13 -E ... Spécification spéciale SK16PR-E11 -F ... Spécification spéciale SK16PR-F11 -G ... Graisse appliquée aux filetages pour GNC SK20R8-G -GL .. Électrode centrale en platine X22EPR-GL -L ... Électrode centrale résistante à la chaleur K20PR-L11 -L ... Isolant projeté de 3.5 mm pour motos W20FP-UL -L ... Isolant rétracté pour motos W20FR-L -M .. Électrode de masse plus grande SK20PR-M11S -N ... Pour Yamaha et Kawasaki U27ESR-N -P ... Électrode de masse double platine SK20R-P11 -P ... Bougie en platine à un côté K16PR-P11 -R ... Résistance de 10K ohm K22PR-UR -S ... Type décharge à écartement semi-surface W20EP-S11 -S ... Joint en acier inoxydable U27FER9S -T ... Pour GPL SK20HR8-T -T ... Spécification spéciale FK20HBR11-T -TP .. Bougie platine sur un côté, électrode de masse conique K20PR-TP11 -U ... Électrode de masse avec rainure en U K16PR-U -US .. Électrode centrale en forme d'étoile W20M-US -V ... 1.3 mm de diamètre, électrode à noyau de nickel W27ES-V	5 0.5 mm (.020") 8 0.8 mm (.032") 9 0.9 mm (.035") 10 1.0 mm (.040") 11 1.1 mm (.044") 13 1.3 mm (.050") 14 1.4 mm (.055") 15 1.5 mm (.060") <aucun> Voitures: 0.8 mm M/C: 0.7 mm <Exceptions> : P16R, PQ16R, PQ20R sont de 1.1 mm
	DENSO	NGK	CHAMPION	BOSCH																																																										
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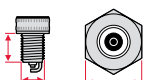


Spark Plugs | Tableau d'identification

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IRIDIUM POWER® Séries Iridium Power (Power, Tough, Plus)

IDENTIFICATION DES BOUGIES D'ALLUMAGE DENSO																																																
I	U	27	A																																													
VF	KH	20																																														
																																																
Bougie hautes performances	Diamètre de filetage, portée et taille hex	Valeur thermique		Forme (type)																																												
I 0.4 mm de diamètre en iridium V 0.4 mm de diamètre en iridium avec pointe en platine VF ... 0.4 mm de diamètre en iridium avec aiguille type pointe en platine	<Diamètre de filetage x portée x taille Hex (mm)> CH ... 12x26.5x14.0 K 14x19.0x16.0 KA ... 14x19.0 (Nouvelle triple électrode blindée)x16.0 KB ... 14x19.0 (Nouvelle triple électrode)x16.0 KBH .. 14x26.5 (Nouvelle triple électrode)x16.0 KD ... 14x19.0 (Blindée)x16.0 KH ... 14x26.5x16.0 NH ... 10x19.0 (Semi-filetage)x16.0 T 14x17.5 (Siège conique)x16.0 TF ... 14x11.2 (Siège conique)x16.0 TL ... 14x25.0 (Siège conique, isolant long)x16.0 TV ... 14x25.0 (Siège conique)x16.0 Q 14x19.0x16.0 U 10x19.0x16.0 UF ... 10x12.7x16.0 UH ... 10x19.0 (Semi-filetage)x16.0 W 14x19.0x20.6 WF ... 14x12.7x20.6 WM ... 14x19.0x20.6 (Isolant compact) X 12x19.0x18.0 XEH .. 12x26.5 (Blindage 2.0)x14.0 XG ... 12x19.0 (Blindage 3.0)x18.0 XU ... 12x19.0x16.0 XUH .. 12x26.5x16.0 Y 8x19.0 (Semi-filetage)x13.0	<table border="1"> <thead> <tr> <th>DENSO</th> <th>NGK</th> <th>CHAMPION</th> <th>BOSCH</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>5</td> <td>12,11</td> <td>8</td> </tr> <tr> <td>20</td> <td>6</td> <td>10,9</td> <td>7,6</td> </tr> <tr> <td>22</td> <td>7</td> <td>8,7</td> <td>5</td> </tr> <tr> <td>24</td> <td>8</td> <td>6,63,61</td> <td>4</td> </tr> <tr> <td>27</td> <td>9</td> <td>4,59</td> <td>3</td> </tr> <tr> <td>29</td> <td>9.5</td> <td>57</td> <td></td> </tr> <tr> <td>31</td> <td>10</td> <td>55</td> <td>2</td> </tr> <tr> <td>32</td> <td>10.5</td> <td>53</td> <td></td> </tr> <tr> <td>34</td> <td>11</td> <td></td> <td></td> </tr> <tr> <td>35</td> <td>11.5</td> <td></td> <td></td> </tr> </tbody> </table>	DENSO	NGK	CHAMPION	BOSCH	16	5	12,11	8	20	6	10,9	7,6	22	7	8,7	5	24	8	6,63,61	4	27	9	4,59	3	29	9.5	57		31	10	55	2	32	10.5	53		34	11			35	11.5			A Électrode inclinée, sans rainure en U, sans électrode conique B Isolant projeté (1.5 mm) C Sans rainure en U D Électrode de masse Inconel sans rainure en U E Blindage : 2 mm ES ... Joint en acier inoxydable F Spécification spéciale G Joint en acier inoxydable I Position de l'étincelle : 4 mm J Position de l'étincelle : 5 mm K Position de l'étincelle : 4 mm L Position de l'étincelle : 5 mm T Pour applications GPL Y Écartement de 0,8 mm Z Électrode conique	
DENSO	NGK	CHAMPION	BOSCH																																													
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TT

IDENTIFICATION DES BOUGIES D'ALLUMAGE DENSO																				
W	16	TT																		
																				
Diamètre de filetage, portée et taille hex	Valeur thermique	Forme (type)																		
<Diamètre de filetage x portée x taille Hex (mm)> W 14x19.0x20.6 K 14x19.0x16.0 KH 14x26.5x16.0 Q 14x19.0x16.0 T 14x17.5x16.0 WF ... 14x12.7x20.6 TV ... 14x25.0x16.0	<table border="1"> <thead> <tr> <th>DENSO</th> <th>NGK</th> <th>CHAMPION</th> <th>BOSCH</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>5</td> <td>12,11</td> <td>8</td> </tr> <tr> <td>20</td> <td>6</td> <td>10,9</td> <td>7,6</td> </tr> <tr> <td>22</td> <td>7</td> <td>8,7</td> <td>5</td> </tr> </tbody> </table>	DENSO	NGK	CHAMPION	BOSCH	16	5	12,11	8	20	6	10,9	7,6	22	7	8,7	5	TT=Twin Tip (CE 1.5mm Nickel, 1.5mm GE) CE = Électrode centrale GE = Électrode de masse		
DENSO	NGK	CHAMPION	BOSCH																	
16	5	12,11	8																	
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Différentes gammes dans le programme de bougies d'allumage DENSO

La présentation qui suit résume les différentes configurations de bougies dans le programme de bougies d'allumage DENSO afin de pouvoir choisir le modèle convenant à chaque application

Standard



Bougie à triple électrode

Exemple : K22PB/W20EPB

- > Triple électrode de masse
- > Durabilité accrue
- > Pour Audi, VW, Citroën, Fiat, Mercedes-Benz, Renault



Bougie U-grooved

Exemple : W16EX-U

- > L'électrode de masse à encoche en U fournit une énergie d'allumage élevée
- > Enflamme facilement même les mélanges pauvres
- > Prolongement total (isolant dépassant de 2,5 mm) réduisant l'encrassement au carbone
- > Démarrage en douceur et bonne performance d'accélération



Bougie à décharge semi-superficielle pour moteurs rotatifs

Exemple : S29A

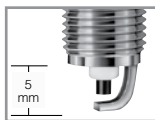
- > Décharge semi-superficielle
- > Inflammabilité, résistance à l'encrassement et durabilité améliorées
- > Perte de tension réduite grâce à une conception à 7 nervures



Bougies prolongées

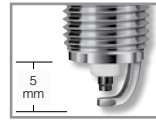
Exemple : J16AR-U11

- > Électrodes de masse à encoche en U pour une performance d'allumage supérieure
- > Enflamme même les mélanges pauvres
- > La position de l'étincelle est prolongée dans la chambre d'allumage afin d'améliorer l'efficacité de combustion, la consommation de carburant et la qualité de conduite



Exemple : KJ20CR11/KJ20CR-U11

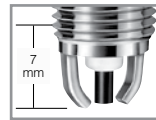
- > Exclusivement pour les véhicules Mazda et Mitsubishi
- > KJ20CR11 n'a pas d'encoche en U
- > KJ20CR-U11 a une encoche en U



Bougies prolongées

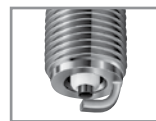
Exemple : KJ20CR-L11

- > Électrode de masse conique
- > Électrode centrale plus fine
- > Meilleure inflammabilité
- > Exclusivement pour les véhicules spécifiés



Exemple : J16AY

- > Exclusivement pour Daihatsu
- > Deux électrodes de masse assurent la durabilité



Bougie à décharge semi-superficielle

Exemple : W20EKR-S11/W20EPR-S11

- > La décharge semi-superficielle augmente l'inflammabilité et la résistance à l'encrassement
- > W20EKR-S11 pour les véhicules Honda
- > W20EPR-S11 pour les véhicules Mitsubishi



Bougie à décharge semi-superficielle à double électrode

Exemple : W20ETR-S11

- > Double électrode de masse avec écartement de 1 mm
- > Excellente durabilité assurée par une double électrode de masse courte, de type opposé
- > Meilleure inflammabilité grâce au prolongement total
- > Résistance accrue à l'encrassement avec le nouvel écartement supplémentaire
- > Exclusivement pour Toyota et Daihatsu



Bougie à décharge semi-superficielle à double électrode avec protecteur

Exemple : K20DTR-S11/W20DTR-S11

- > À décharge semi-superficielle
- > Extrémité de la partie filetée prolongée dans la chambre de combustion
- > Protecteur ajouté pour améliorer la résistance à l'encrassement
- > Exclusivement pour Daihatsu et Subaru



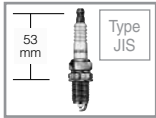
Bougie à électrode centrale en étoile

Exemple : W9LM-US

- > Utilisée pour les petits moteurs
- > Crée une étincelle plus puissante et un démarrage plus facile
- > Réduit le risque de ratés d'allumage
- > Réduit l'encrassement au carbone
- > Possède une électrode de masse du type U-groove

F

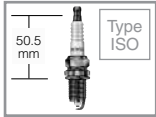
Standard



Bougie à petit hexagonal

Exemple : Q16R-U11/Q16PR-U11

- > En réduisant la dimension hex. (16 mm) la bougie a été réduite



Bougie à petit hexagonal compatible ISO

Exemple : K16-RU11/K16PR-U11

- > Compatible avec les normes ISO
- > Attention lors de l'installation : la hauteur installée est 2,5 mm plus courte qu'avec un type Q



Petite bougie pour petites voitures

Exemple : XU22EPR-U

- > En réduisant la dimension hex. (16 mm) la bougie devient compatible avec les petites voitures
- > Filetage de 12 mm



Bougies à culot long

Exemple : QL20PR-U/QL20TR-S

- > En rallongeant le culot, les dimensions d'installation ont été assurées
- > QL20TR-S : double électrode de masse et décharge semi-superficielle pour un meilleur anticalaminage
- > Exclusivement pour Daihatsu



Bougie à siège conique

Exemple : T16EPR-U

- > Uniquement pour les véhicules non japonais, pas de joint d'étanchéité

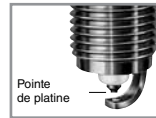


Bougie à résistance

Réduit le parasitage à l'allumage

- > Résistance de 5k W ajoutée entre l'électrode centrale et le noyau de l'électrode centrale
- > Réduit le parasitage à l'allumage
- > La plupart des voitures neuves sont désormais équipées de bougies à résistance

Platinum



Bougie Platinum

Exemple : PK20R11

- > Utilisation du platine à la fois pour l'électrode centrale et de masse
- > Une électrode centrale très fine et une pointe de platine améliorent la consommation de carburant, la qualité de conduite et la longévité



Bougie Platinum pour DLI (décharge +)

Exemple : PK20R-P11

- > Taille de platine accrue pour la prévention de l'usure durant la décharge positive (+)



Bougie prolongée Platinum

Exemple : PKJ20CR-L11

- > La position de l'étincelle est prolongée dans la chambre de combustion
- > Meilleure efficacité de combustion
- > Consommation de carburant et qualité de conduite améliorées



Bougie à double électrode Platinum

Exemple : PK20TR11

- > Les parties de l'électrode centrale faisant face aux électrodes de masse sont à pointe de platine
- > La version à double électrode nécessite une tension plus basse durant la décharge positive (+)



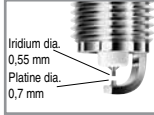
Bougie à platine sur un côté

Exemple : Q20PR-P11/K16PR-TP11

- > Seule l'électrode centrale est à pointe de platine, permettant une électrode fine
- > Consommation de carburant, qualité de conduite et durabilité améliorées
- > Électrode de masse conique pour une inflammabilité supérieure

F

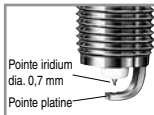
Iridium



SIP

Exemple : FK20HR11

- > Technologie révolutionnaire DENSO
- > Électrode de masse en forme d'aiguille
- > Réduction inégale de l'effet de refroidissement



OE Bougie Iridium

Exemple : SK16R-P11/SK20R11

- > Première électrode en alliage d'iridium ultra fine de 0,7 mm de diamètre, développée par DENSO
- > Amélioration dramatique de l'inflammabilité et de la durée de vie



Iridium Power

Exemple : IK20

- > Son électrode centrale Iridium de 0,4 mm ultra fine améliore considérablement le démarrage et réduit le voltage nécessaire.
- > Electrode de dépassement centrale sur tous les modèles.
- > Electrode de masse de soudure en U sur la plupart des modèles.
- > Electrode de masse conique sur la plupart des modèles.



Iridium Tough

Exemple : VK20

- > Son électrode centrale Iridium de 0,4mm ultra fine améliore considérablement le démarrage et réduit le voltage nécessaire.
- > Son électrode de masse avec pointe de platine offre une grande fiabilité.



Iridium Tough double aiguille

Exemple : VFKH20

- > L'électrode de masse en platine de 0,7 mm en forme d'aiguille offre une meilleure combustion et une meilleure accélération.
- > L'électrode centrale ultra-fine en iridium de 0,4 mm améliore considérablement l'allumage.

TT



Bougies d'allumage TT

- > La toute première bougie d'allumage à fines électrodes sans métal précieux
- > Caractérisée par une électrode centrale en alliage de nickel et une électrode de masse projetée d'un diamètre de 1,5 mm
- > Réduit les émissions de dioxyde de carbone (CO₂)
- > Améliore de façon significative le rendement de la combustion

F

Iridium Power

Utilisant pour la première fois au monde un diamètre de l'électrode centrale de 0,4 mm, l'Iridium Power, possède une grande sensibilité à l'allumage et requiert une faible tension permettant à votre véhicule d'améliorer ses performances.

> Meilleurs résultats

L'Iridium Power requiert une faible tension et possède une grande sensibilité à l'allumage, d'où peu de ratés et pas d'à-coups. La combustion est sensiblement optimisée. Le moteur produit de meilleures performances.

> Meilleure accélération

Grâce à une sensibilité stable à l'allumage, l'accélération est considérablement améliorée.

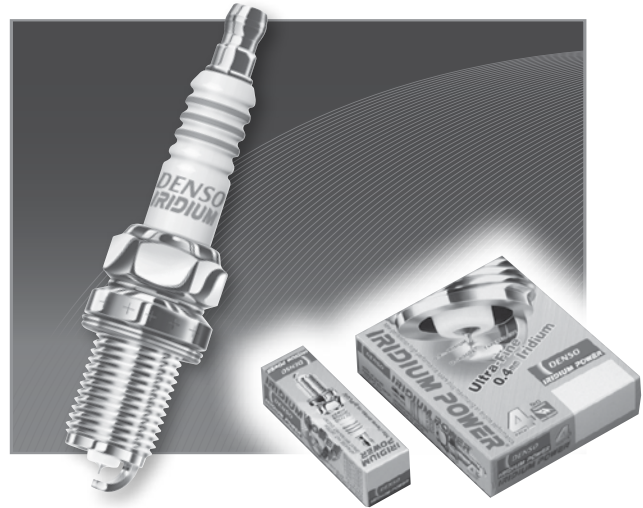
> Plus de puissance

L'électrode centrale de 0,4 mm améliore les performances, quelles que soient les conditions de conduite.

> Consommation plus faible

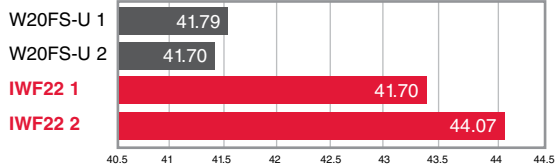
Même au ralenti, les performances sont accrues, nécessitant moins de carburant et réduisant le bruit.

IRIDIUM POWER®



Résultats des test de comparaison de la consommation de carburant

Données: Comparaison effectuée en interne



Véhicule testé:

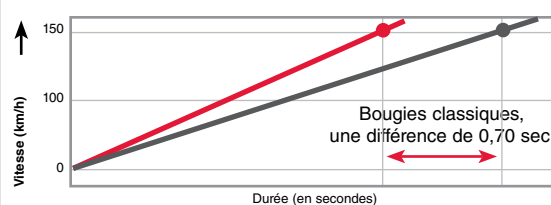
> Honda DIO (2 temps, monocylindre, 50 cc à refroidissement par air)

Conditions du test:

> Vitesse de 30 km/h, F/W 120 kg. Temps mesuré de 10 minutes. Vitesse d'air de refroidissement de 30 km/h.

Iridium Power, Données d'accélération améliorée

Données: Comparaison effectuée en interne



Véhicule testé:

> 250 cc (2 temps, refroidissement par eau, 2 cylindres en V)

Conditions du test:

> Fixe en 6ième, pleine accélération à partir de 50 km/h en utilisant un dispositif de pilotage automatique.

Spark Plugs | Bougies d'allumage Iridium

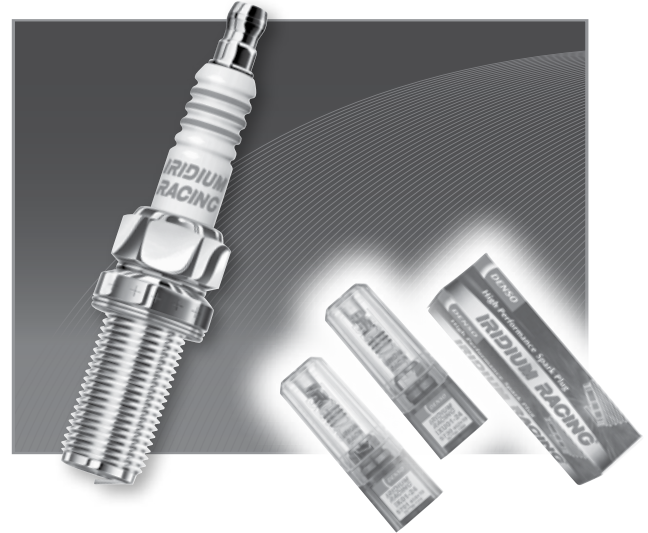
F

Iridium Racing

Des performances optimales sur circuit ! Avec l'Iridium Racing, entrez dans une nouvelle dimension.

- > **Meilleurs résultats**
Plus de puissance avec un cycle de combustion idéal.
- > **Meilleure accélération**
Accélération inégalée sur circuit.

IRIDIUM RACING®



Temps mesuré pour atteindre 100 km/h (s) *

Bougie	13.9	14.0
IRIDIUM RACING	13.950	
Bougie classique de compétition (électrode 0,8 mm)	13.985	

Véhicule testé:

- > 250 cc (2 temps, refroidissement par eau, 2 cylindres)

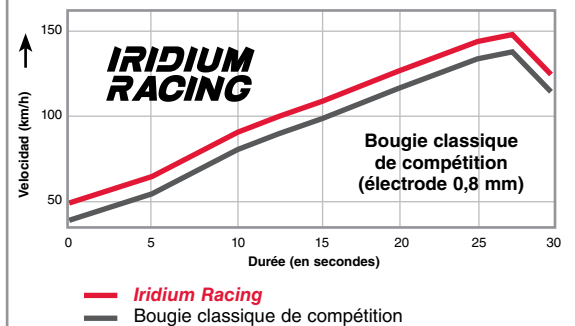
Conditions du test:

- > R/L 50 km, puis accélération pleins gaz pendant 27 secondes (en restant en 6ième)

* Les données indiquées proviennent d'études internes.
La "bougie classique de compétition" mentionnée ici est un produit DENSO.

Iridium Racing, Accélération améliorée

Données: Comparaison effectuée en interne



DENSO: La diferencia

DENSO ha ido estableciendo la pauta en la tecnología de las bujías de encendido desde 1959. Desarrollamos todas nuestras gamas internamente, y las fabricamos en nuestras propias fábricas repartidas en todo el mundo bajo certificaciones QS 9000 y ISO 9000, con "cero defecto" como norma. Y aportamos también la sobresaliente calidad del equipo original al mercado de la posventa. Con la inclusión de las series Standard, Platinum, Twin Tip e Iridium, las bujías de encendido DENSO abarcan una gama completa de referencias en continua actualización. Con la garantía de unas prestaciones óptimas del motor, elija bujías de encendido DENSO cualquiera que sea la aplicación para automóvil, motocicleta, embarcación o pequeño motor.

Gama

Standard

- > Sellador de cobre-vidrio que facilita la disipación del calor
- > U-groove estándar
- > Núcleo de cobre insertado en profundidad
- > Niquelado resistente al calor

Iridium Power

- > Excelente encendido
- > Trabaja con baja tensión
- > Mejor respuesta a la aceleración y regularidad de marcha
- > Menor consumo de combustible
- > Mayor duración

Iridium Racing

- > Tecnología de F1
- > Aceleración extrema
- > Alta fiabilidad
- > Incremento de las prestaciones

Type	Standard	Iridium	
	Standard	Iridium Power	Iridium Racing
Ranura en U	+ ¹	+ ²	-
Electrodo de masa en punta	Algunos tipos ³	+ ²	-
Material del electrodo de masa	Normal	Normal	Platino integral
Electrodo central	2.5 MM	0.4 MM	0.4 MM ⁴
Grados térmicos disponibles	9-27	16-34	24-35
Resistencia	Mayoría de tipos	Todos los tipos	Todos los tipos
Altas prestaciones	+	++++	+++++
Ahorro de combustible	Bueno	Excelente	-
Duración de vida	Standard	Standard	Sólo competición

¹ Los tipos de bujía sin una "U" en la designación no tienen ranura en U.

² No es aplicable a IU24A, IU27A, IU31A, IUF27A y IUF31A.

³ Los tipos de bujía con una "Z" en la designación tienen un electrodo de masa en punta.

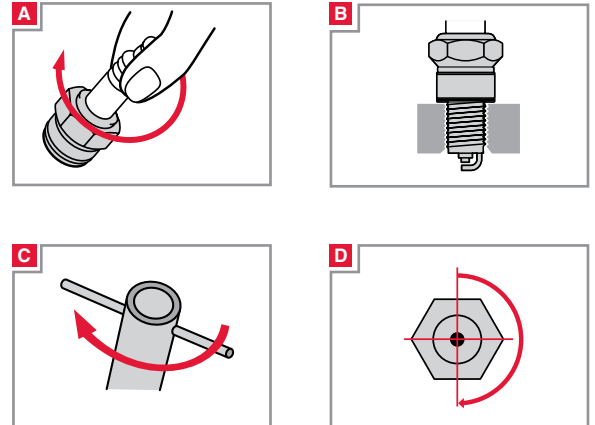
⁴ Excepto para tipos de descarga superficial.

E

Montaje De Las Bujías

Par y ángulo de apriete recomendados para las bujías DENSO

1. Utilice la llave apropiada para el hexágono en la bujía y procure no dañar el aislante.
2. Al cambiar la bujía, asegúrese de que el aceite u otra sustancia que se encuentre en el exterior de la bujía no penetre en el interior del motor.
3. Al montar las bujías, limpie el lado del motor de la abrazadera e inserte las bujías tras cerciorarse de que la junta se encuentra en la abrazadera.
4. Asegúrese de que las bujías queden en posición vertical y apriételas manualmente hasta que ya no puedan seguir apretándose (A+B).
5. A continuación, con una llave para bujías apriételas con precisión al par o ángulo de rotación especificado en la siguiente tabla (C+D).



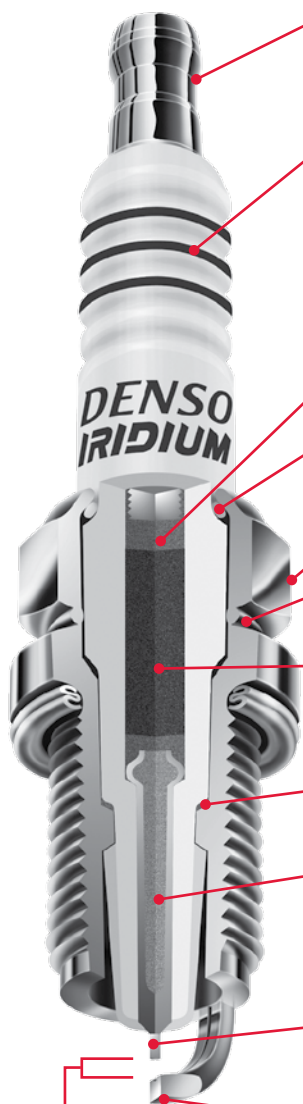
PAR DE MONTAJE RECOMENDADO				
Tamaño de rosca	Par recomendado	Giros recomendados		
		Bujía nueva	Bujía usada	
Junta	M8 Tipo Y	8-10 Nm	± 1 giro	± 1/12 giro
	M10 Tipo U, N	10-15 Nm	± 2/3 giro	± 1/12 giro
	M10 Junta de acero inoxidable	10-15 Nm	± 3/4 giro	± 1/12 giro
	M12 Tipos SXU, X, XE, XU, ZXE, ZXU	15-20 Nm	± 1/3 giro	± 1/12 giro
	M14 Tipos FK, J, K, KJ, P, PK, PKJ, PQ, Q, QJ, QL, S, SF, SK, SKJ, SV, SVK, VK, VKJ, W, ZT	20-25 Nm	± 1/2 giro	± 1/12 giro
	M14 Junta de acero inoxidable	20-25 N	± 2/3 giro	± 1/12 giro
	M18 Tipos L, M, MA, MW	30-40 Nm	± 1/4 giro	± 1/12 giro
Asiento cónico	M14 Tipos PT, PTJ, T	20-30 Nm	± 1/16 giro	± 1/16 giro
	M18 Tipo MA	30-40 Nm	± 1/4 giro	± 1/12 giro



Si se ha aplicado un lubricante a la rosca, tal como grasa, el apriete al par recomendado resulta excesivo y podría causar fuga en el cierre. No aplique lubricante de rosca.

Un apriete que exceda los ángulos y pares de apriete indicados a la derecha podría dañar el motor y provocar que la bujía se salga de la rosca.

Características de las bujías



Terminal

Aislante de cerámica

- > Diseño de cinco nervaduras por toda la superficie
- > Esto reduce la pérdida de voltaje y impide fallo de chispas
- > Utilización de aluminio de gran pureza
- > Buen aislamiento eléctrico, gran durabilidad y buena conductividad térmica
- > Químicamente estable

Arandelas

Cierre especial de cobre-cristal

- > Buena hermeticidad, durabilidad y conductividad térmica.

Alojamiento

- > Recubrimiento de níquel muy anticorrosivo

Junta contra calor producido por electricidad

- > Termorresistente, buena hermeticidad y baja fluctuación de gama de calor

Resistencia

- > Con una resistencia de 5 K Ω , reduce el ruido radio eléctrico.

Empaquetadura

Electrodo central con núcleo de cobre

- > Más cobre y mejores propiedades térmicas que en otras marcas.
- > Una chispa intensa y constante tanto a bajas como a altas velocidades.

Electrodo central

- > Las bujías de iridio DENSO cuentan con el electrodo central de menor diámetro del mundo: 0,4 mm

Electrodo de masa

- > Disponible con ranura en U para una mejor combustión
- > Diseño cónico para una ignición estable

Espacio de chispa

Spark Plugs | Tabla de identificación

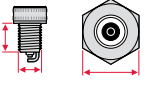
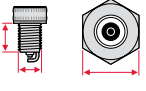


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Bujías Iridium / Platinum / Standard

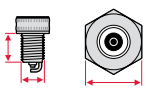


IDENTIFICACIÓN DE LAS BUJÍAS DE ENCENDIDO DENSO																																																														
	W	16	E	XR	-U	11																																																								
S	K	20		PR	-A	11																																																								
S	XU	22	H	CR	-11S																																																									
Tipo de metal precioso	Diámetro de rosca y tamaño de hexágono	Grado térmico				Longitud de rosca	Forma (tipo)	Forma (tipo)	Separación de electrodos																																																					
D Iridio de 0.7 mm de diámetro con punta de platino tipo aguja	C 12x14.0 L 18x22.2 (Longitud: 12.7 mm)	<table border="1"> <tr> <th>DENSO</th> <th>NGK</th> <th>CHAMPION</th> <th>BOSCH</th> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>9</td> <td>2</td> <td>18</td> <td>10</td> </tr> <tr> <td>14</td> <td>4</td> <td>16,14</td> <td>9</td> </tr> <tr> <td>16</td> <td>5</td> <td>12,11</td> <td>8</td> </tr> <tr> <td>20</td> <td>6</td> <td>10,9</td> <td>7,6</td> </tr> <tr> <td>22</td> <td>7</td> <td>8,7</td> <td>5</td> </tr> <tr> <td>24</td> <td>8</td> <td>6,63,61</td> <td>4</td> </tr> <tr> <td>27</td> <td>9</td> <td>4,59</td> <td>3</td> </tr> <tr> <td>29</td> <td>9.5</td> <td>57</td> <td></td> </tr> <tr> <td>31</td> <td>10</td> <td>55</td> <td>2</td> </tr> <tr> <td>32</td> <td>10.5</td> <td>53</td> <td></td> </tr> <tr> <td>34</td> <td>11</td> <td></td> <td></td> </tr> <tr> <td>35</td> <td>11.5</td> <td></td> <td></td> </tr> </table>	DENSO	NGK	CHAMPION	BOSCH	4				9	2	18	10	14	4	16,14	9	16	5	12,11	8	20	6	10,9	7,6	22	7	8,7	5	24	8	6,63,61	4	27	9	4,59	3	29	9.5	57		31	10	55	2	32	10.5	53		34	11			35	11.5			A 19.0 mm (Posición de la chispa: 7.0 mm) J16AR-U11 A 21.5 mm S29A B 19.0 mm (Posición de la chispa: 9.5 mm) J16BR-U C 19.0 mm (Posición de la chispa: 5.0 mm) KJ20CR-L11 D 19.0 mm (Carenado 2) K20DTR-S11 E (Con junta) 19.0 mm W16EX-U E (Con junta) 20.0 mm W25EBR E (Asiento cónico) 19.0 mm T16EPR-U F 12.7 mm W20FP-U FE 19.0 mm (Media rosca) U24FER9 G 19.0 mm (Carenado 3.5) PK20GR8 G 19.0 mm (Carenado 3) X27GPR-U H 26.5 mm QJ16HR-U H 19.0 mm (Posición de la chispa: 8.5 mm) K16HPR-U11 L 11.2 mm W14L (Asiento cónico, Media rosca) 17.5 mm T20NR-U11 V (Asiento cónico) 25.0 mm PT16VR13 Ninguno 9.5 mm W14M-U 11.2 mm L14-U, M24S 19.0 mm SK20R11 21.5 mm S29A Ninguno (Asiento cónico) 8.3 mm T20M-U 11.2 mm T16PR-U	A Electrodos de masa dobles W22EA AY Electrodos de masa dobles curvados J16AY B Electrodos de masa triples W22EB BG Electrodos de masa triples (carenado) SK20BGR11 C Carenado 1.5 mm SXU22HCR11 D 4 electrodos de masa W27EDR D Proyectado (proyección de 1.5 mm, posición de la chispa 3.5 mm) XU22HDR9 E Carenado 2.0 mm FXE20HE11 K Proyectado (proyección de 1 mm) W16EKR-S11 LM Tipo compacto (hexágono 20.6 mm) W14LM-U M Cabezal aislante de longitud corta W27EMR-C M Tipo compacto (hexágono 19.0 mm) W20M-U P Proyectado (proyección de 1.5 mm) W16EP-U Q Proyectado 2 mm, posición de la chispa 3.5 mm R Resistencia de 5 kΩ K16R-U S No proyectado (proyección de 0 mm) W22ES-U S Iridio en un solo lado KJ20SR11 T Electrodos de masa dobles K16TR11 TM Electrodos de masa dobles K22TMR11 TN Electrodos de masa dobles K22TNR-S X Totalmente proyectado (proyección de 2.5 mm) W16EX-U	-A Especificación especial SK16PR-A11 -B Especificación especial K16PSR-B8 -C Electrodos de masa truncados W27EMR-C -D Electrodo de masa con núcleo de cobre DK20PR-D13 -E Especificación especial SK16PR-E11 -F Especificación especial SK16PR-F11 -G Rosca lubricada para aplicaciones GNC SK20R8-G -GL Electrodo central de platino X22EPR-GL -L Electrodo de masa resistente al calor K20PR-L11 -L Aislante proyectado de 3.5 mm para motocicletas W20FP-UL -L Aislante retraído para motocicletas W20FR-L -M Electrodo de masa de mayor tamaño SK20PR-M11S -N Para Yamaha y Kawasaki U27ESR-N -P Electrodo de masa con doble capa de platino SK20R-P11 -P Bujía de platino en un solo lado K16PR-P11 -R Resistencia de 10 kΩ K22PR-UR -S Tipo de descarga semisuperficial W20EP-S11 -S Junta de acero inoxidable U27FER9S -T Para GLP SK20HR8-T -T Especificación especial FK20HBR11-T -TP Bujía de platino en un solo lado con corte cónico K20PR-TP11 -U Electrodo de masa U-groove K16PR-U -US Electrodo central en forma de estrella W20M-US -V Electrodo central de níquel de 1.3 mm de diámetro W27ES-V	5 0.5 mm (.020") 8 0.8 mm (.032") 9 0.9 mm (.035") 10 1.0 mm (.040") 11 1.1 mm (.044") 13 1.3 mm (.050") 14 1.4 mm (.055") 15 1.5 mm (.060") <ninguno> Automóviles: 0.8 mm Motocicletas: 0.7 mm <Excepciones>: P16R, PQ16R, PQ20R son de 1.1 mm
DENSO	NGK		CHAMPION	BOSCH																																																										
4																																																														
9	2		18	10																																																										
14	4		16,14	9																																																										
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F Iridio de 0.55 mm de diámetro con punta de platino tipo aguja	M 18x25.4 (Longitud: 12 mm) MA 18x20.6 (Asiento cónico, Longitud: 12 mm)																																																													
P Platino de 1.1 mm de diámetro con punta de platino	MW 18x20.6 (Longitud: 12 mm) J 14x20.6 (Bujía proyectada)																																																													
S Iridio de 0.7 mm de diámetro con punta de platino	K 14x16.0 (Bujía miniatura) KJ 14x16.0 (Bujía miniatura proyectada)																																																													
SV Iridio de 0.4 mm de diámetro con punta de platino	LP 14x20.6 (Bujía para aplicaciones GLP)																																																													
Z Iridio de 0.55 mm de diámetro con punta de platino	Q 14x16.0 (Bujía miniatura) QJ 14x16.0 (Bujía miniatura proyectada) QL 14x20.6 (Bujía miniatura con alojamiento de cilindro largo) S 14x20.6 (Bujía de descarga superficial para motores RE) T 14x16.0 (Asiento cónico) W 14x20.6 14x19.0 (Tipo compacto) X 12x18.0 XE 12x14.0 XU 12x16.0 N 10x16.0 U 10x16.0 Y 8x13.0																																																													

E

IRIDIUM POWER® Serie Iridium Power (Power, Tough, Plus)

IDENTIFICACIÓN DE LAS BUJÍAS DE ENCENDIDO DENSO																																															
I VF	U KH	27 20	A																																												
																																															
Bujía de encendido de altas prestaciones	Diámetro y longitud de rosca, tamaño de hexágono	Grado térmico																																													
<p>I..... Iridio de 0.4 mm de diámetro</p> <p>V..... Iridio de 0.4 mm de diámetro con punta de platino</p> <p>VF... Iridio de 0,4 mm de diámetro con punta de platino tipo aguja</p>	<p><Diámetro de rosca x longitud x tamaño de hexágono></p> <p>CH... 12x26.5x14.0</p> <p>K... 14x19.0x16.0</p> <p>KA... 14x19.0 (Nuevo electrodo triple carenado)x16.0</p> <p>KB... 14x19.0 (Nuevos electrodos triples)x16.0</p> <p>KBH... 14x26.5 (Nuevos electrodos triples)x16.0</p> <p>KD... 14x19.0 (Carenado)x16.0</p> <p>KH... 14x26.5x16.0</p> <p>NH... 10x19.0 (Media rosca)x16.0</p> <p>T... 14x17.5 (Asiento cónico)x16.0</p> <p>TF... 14x11.2 (Asiento cónico)x16.0</p> <p>TL... 14x25.0 (Asiento cónico, aislante largo)x16.0</p> <p>TV... 14x25.0 (Asiento cónico)x16.0</p> <p>Q... 14x19.0x16.0</p> <p>U... 10x19.0x16.0</p> <p>UF... 10x12.7x16.0</p> <p>UH... 10x19.0 (Media rosca)x16.0</p> <p>W... 14x19.0x20.6</p> <p>WF... 14x12.7x20.6 (Aislante compacto)</p> <p>WM... 14x19.0x20.6 (Aislante compacto)</p> <p>X... 12x19.0x18.0</p> <p>XEH... 12x26.5 (Carenado 2.0)x14.0</p> <p>XG... 12x19.0 (Carenado 3.0)x18.0</p> <p>XU... 12x19.0x16.0</p> <p>XUH... 12x26.5x16.0</p> <p>Y... 8x19.0 (Media rosca)x13.0</p>	<table border="1"> <thead> <tr> <th>DENSO</th> <th>NGK</th> <th>CHAMPION</th> <th>BOSCH</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>5</td> <td>12,11</td> <td>8</td> </tr> <tr> <td>20</td> <td>6</td> <td>10,9</td> <td>7,6</td> </tr> <tr> <td>22</td> <td>7</td> <td>8,7</td> <td>5</td> </tr> <tr> <td>24</td> <td>8</td> <td>6,63,61</td> <td>4</td> </tr> <tr> <td>27</td> <td>9</td> <td>4,59</td> <td>3</td> </tr> <tr> <td>29</td> <td>9.5</td> <td>57</td> <td></td> </tr> <tr> <td>31</td> <td>10</td> <td>55</td> <td>2</td> </tr> <tr> <td>32</td> <td>10.5</td> <td>53</td> <td></td> </tr> <tr> <td>34</td> <td>11</td> <td></td> <td></td> </tr> <tr> <td>35</td> <td>11.5</td> <td></td> <td></td> </tr> </tbody> </table>		DENSO	NGK	CHAMPION	BOSCH	16	5	12,11	8	20	6	10,9	7,6	22	7	8,7	5	24	8	6,63,61	4	27	9	4,59	3	29	9.5	57		31	10	55	2	32	10.5	53		34	11			35	11.5		
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34	11																																														
35	11.5																																														
		Forma (tipo)																																													
		<p>A..... Electrodo inclinado, sin U-groove, sin perfil cónico</p> <p>B... Aislante proyectado (1.5 mm)</p> <p>C... Sin U-groove</p> <p>D... Electrodo de masa Inconel, sin U-groove</p> <p>E..... Carenado: 2 mm</p> <p>ES... Junta de acero inoxidable</p> <p>F..... Especificación especial</p> <p>G... Junta de acero inoxidable</p> <p>I..... Posición de la chispa: 4 mm Aislante proyectado (1.5 mm)</p> <p>J..... Posición de la chispa: 5 mm</p> <p>K... Posición de la chispa: 4 mm Aislante proyectado (2.5 mm)</p> <p>L..... Posición de la chispa: 5 mm</p> <p>T..... Para aplicaciones GLP</p> <p>Y..... Separación de electrodos 0.8 mm</p> <p>Z..... Corte cónico</p>																																													

TT

IDENTIFICACIÓN DE LAS BUJÍAS DE ENCENDIDO DENSO																			
W	16	TT																	
																			
Diámetro y longitud de rosca, tamaño de hexágono	Grado térmico		Forma (tipo)																
<p><Diámetro de rosca x longitud x tamaño de hexágono> mm</p> <p>W... 14x19.0x20.6</p> <p>K... 14x19.0x16.0</p> <p>KH... 14x26.5x16.0</p> <p>Q... 14x19.0x16.0</p> <p>T... 14x17.5x16.0</p> <p>WF... 14x12.7x20.6</p> <p>TV... 14x25.0x16.0</p>	<table border="1"> <thead> <tr> <th>DENSO</th> <th>NGK</th> <th>CHAMPION</th> <th>BOSCH</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>5</td> <td>12,11</td> <td>8</td> </tr> <tr> <td>20</td> <td>6</td> <td>10,9</td> <td>7,6</td> </tr> <tr> <td>22</td> <td>7</td> <td>8,7</td> <td>5</td> </tr> </tbody> </table>		DENSO	NGK	CHAMPION	BOSCH	16	5	12,11	8	20	6	10,9	7,6	22	7	8,7	5	<p>TT=Twin Tip (1.5mm Niquel CE, 1.5mm GE)</p> <p>CE = Electrodo central</p> <p>GE = Electrodo de masa</p>
DENSO	NGK	CHAMPION	BOSCH																
16	5	12,11	8																
20	6	10,9	7,6																
22	7	8,7	5																

Diversas gamas del programa de bujías de encendido DENSO

Se indica a continuación un compendio de las diferentes configuraciones de bujía en el programa de bujías de encendido DENSO con el fin de facilitar la selección de la bujía idónea para cada aplicación.

Standard



Bujía de tres electrodos

Ejemplo: K22PB/W20EPB

- > Tres electrodos de masa.
- > Mayor durabilidad.
- > Para Audi, VW, Citroën, Fiat, Mercedes-Benz, Renault.



Bujía U-groove

Ejemplo: W16EX-U

- > Electrodo de masa de perfil en "U" suministra alta energía de encendido.
- > Encendido fácil incluso con mezclas pobres.
- > Configuración proyectada (proyección del aislador 2,5 mm) reduciendo depósitos de carbón.
- > Arranque suave y buenas prestaciones de aceleración.



Bujía de descarga semisuperficial para motores rotativos

Ejemplo: S29A

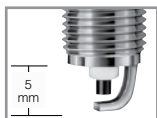
- > Descarga semisuperficial.
- > Mayor capacidad de encendido, resistencia al ensuciamiento y durabilidad.
- > Menor pérdida de tensión con un diseño de siete ranuras.



Bujías de electrodos proyectados

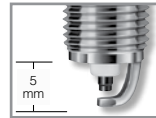
Ejemplo: J16AR-U11

- > Electrodo de masa U-groove para prestaciones de encendido superiores.
- > Encendido incluso con mezclas pobres.
- > La posición de la chispa está extendida hacia la cámara de combustión para mejorar el rendimiento de la combustión, el consumo de combustible y la conducción.



Ejemplo: KJ20CR11/KJ20CR-U11

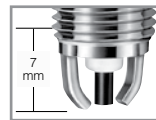
- > Exclusivamente para vehículos Mazda y Mitsubishi.
- > KJ20CR11 sin U-groove.
- > KJ20CR-U11 con U-groove.



Bujías de electrodos proyectados

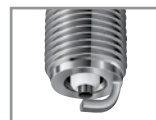
Ejemplo: KJ20CR-L11

- > Electrodo de masa perfilado en punta.
- > Electrodo central más delgado.
- > Mejor capacidad de encendido.
- > Exclusivamente para los vehículos indicados.



Ejemplo: J16AY

- > Exclusivamente para Daihatsu.
- > Dos electrodos de masa para asegurar durabilidad.



Bujía de descarga semisuperficial

Ejemplo: W20EKR-S11/W20EPR-S11

- > La descarga semisuperficial incrementa la capacidad de encendido y la resistencia al ensuciamiento.
- > W20EKR-S11 para vehículos Honda.
- > W20EPR-S11 para vehículos Mitsubishi.



Bujía de dos electrodos de descarga semisuperficial

Ejemplo: W20ETR-S11

- > Dos electrodos de masa con separación de 1 mm.
- > Dos electrodos de masa cortos en configuración opuesta ofrecen una excelente durabilidad.
- > Diseño enteramente proyectado para mejorar la capacidad de encendido.
- > Descargador suplementario mejora la resistencia al ensuciamiento.
- > Exclusivo para Toyota y Daihatsu.



Bujía con cuerpo proyectado de dos electrodos de descarga semisuperficial

Ejemplo: K20DTR-S11/W20DTR-S11

- > Descarga semisuperficial.
- > Cuerpo extendido pasada la rosca para proyección en la cámara de combustión.
- > Cuerpo proyectado mejora la resistencia al ensuciamiento.
- > Exclusivo para Daihatsu y Subaru.



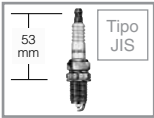
Bujía con electrodo central de perfil estrellado

Ejemplo: W9LM-US

- > Bujía para pequeños motores.
- > Genera una potente chispa y un fácil arranque.
- > Menor probabilidad de fallos de encendido.
- > Reduce los depósitos de carbón.
- > Incorpora electrodo de masa U-groove.

E

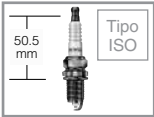
Standard



Bujía de hexágono reducido

Ejemplo: Q16R-U11/Q16PR-U11

- > Bujía de dimensiones reducidas gracias al hexágono de 16 mm entre caras.



Bujía ISO de hexágono reducido

Ejemplo: K16-RU11/K16PR-U11

- > Compatibilidad ISO.
- > ¡Cuidado con el montaje! La altura de montaje es 2,5 mm más corta que el tipo Q.



Bujía pequeña para coches pequeños

Ejemplo: XU22EPR-U

- > Bujía compatible con coches pequeños gracias al hexágono reducido de 16 mm entre caras.
- > Rosca de 12 mm.



Bujía de cuerpo largo

Ejemplo: QL20PR-U/QL20TR-S

- > Montaje asegurado gracias a la extensión de la sección central del cuerpo.
- > QL20TR-S tiene dos electrodos de masa con descarga semisuperficial para mejorar la resistencia al ensuciamiento.
- > Exclusivo para Daihatsu.



Bujía de asiento cónico

Ejemplo: T16EPR-U

- > Únicamente para vehículos no japoneses sin junta.



Bujía con resistencia

Reduce interferencias de radio generadas en el encendido

- > Resistencia de 5k Wintercalada entre el electrodo central y el núcleo del electrodo central.
- > Mayor reducción de interferencias de radio en el encendido.
- > La mayoría de nuevos vehículos incorporan de serie bujías con resistencia.

Platinum



Bujía Platinum

Ejemplo: PK20R11

- > Platino empleado en el electrodo central y en el electrodo de masa.
- > Un fino electrodo central con punta de platino mejora el consumo de combustible, la conducción y la durabilidad.



Bujía Platinum para DLI (descarga +)

Ejemplo: PK20R-P11

- > Mayor tamaño del platino previene desgaste durante la descarga del positivo (+).



Bujía Platinum proyectada

Ejemplo: PKJ20CR-L11

- > Posición de chispa proyectada en la cámara de combustión.
- > Incremento del rendimiento de la combustión.
- > Mejora del consumo de combustible y de la conducción.



Bujía Platinum de dos electrodos

Ejemplo: PK20TR11

- > Los sectores del electrodo central de cara a los electrodos de masa tienen una punta de platino.
- > La configuración de dos electrodos requiere una menor tensión para la descarga del positivo (+).



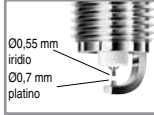
Bujía Platinum de un electrodo lateral

Ejemplo: Q20PR-P11/K16PR-TP11

- > Únicamente el electrodo central tiene una punta de platino, permitiendo un electrodo delgado.
- > Mejor consumo de combustible, conducción y durabilidad.
- > Electrodo de masa perfilado en punta para mayor capacidad de encendido.

E

Iridium



SIP

Ejemplo: FK20HR11

- > Tecnología DENSO revolucionaria.
- > Electrodo de masa con punta de aguja.
- > Reducción significativa del efecto de supresión de chispa.



OE Bujía Iridium

Ejemplo: SK16R-P11/SK20R11

- > El primer electrodo en aleación de iridio ultradelgado de 0,7 mm de diámetro en el mundo, desarrollado por DENSO.
- > Mejora significativa del encendido y de la vida útil.



Iridium Power

Ejemplo: IK20

- > El electrodo de Iridio con diámetro ultra fino de 0,4 mm mejora la capacidad de ignición y reduce el voltaje requerido por la bujía.
- > Electrodo central en la mayoría de los tipos.
- > Electrodo de masa de canal ultra-fino en casi todos los tipos.
- > Electrodo de masa con protección en casi todos los tipos.



Iridium Tough

Ejemplo: VK20

- > El electrodo de Iridio con diámetro ultra fino de 0,4 mm mejora la capacidad de ignición y reduce el voltaje requerido por la bujía.
- > El electrodo de masa con punta de Platino alcanza una gran durabilidad.



Iridium Tough de doble aguja

Ejemplo: VFKH20

- > El electrodo de masa de platino en forma de aguja de 0,7 mm mejora la combustión y la aceleración.
- > El electrodo central de iridio ultradelgado de 0,4 mm mejora considerablemente la capacidad de encendido.

TT



Bujía de encendido TT

- > La primera bujía de encendido de conductor delgado sin metales preciosos en los electrodos.
- > Electrodo central de aleación de níquel y electrodo de masa de doble punta de tan sólo 1,5 mm de diámetro.
- > Reducción de las emisiones de dióxido de carbono.
- > Mejora importante de la economía de combustible.

Spark Plugs | Bujías de encendido Iridium

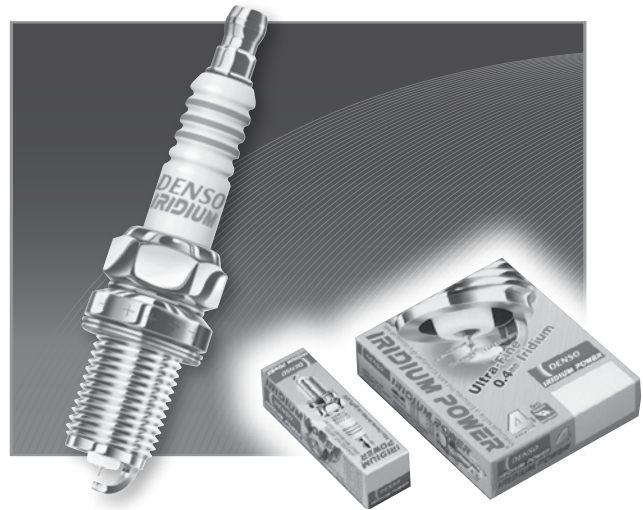
E

Iridium Power

Utilizando el primer electrodo central de iridio de 0.4mm de diámetro, Iridium Power muestra un excelente encendido y requiere de un bajo voltaje, logrando un mejor rendimiento de su automóvil:

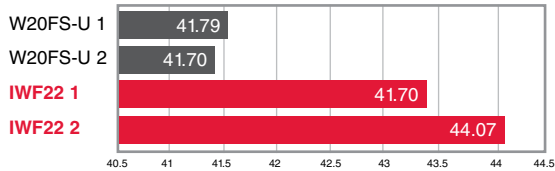
- > **Rendimiento mejorado**
Iridium Power requiere bajo voltaje y cuenta con alto encendido, reduciéndose así tanto los fallos de encendido como las chispas fallidas, resultando en una sustancial mejora de la combustión. Por lo tanto, se aumenta el rendimiento del motor.
- > **Aceleración mejorada**
El encendido estable aumenta considerablemente el rendimiento de aceleración.
- > **Mayor potencia**
El electrodo central de 0,4 mm aumenta el rendimiento bajo diversas condiciones de conducción.
- > **Menor consumo de combustible**
Aún con un encendido sin carga se asegura un mayor rendimiento, con menor consumo de combustible y menos ruido

IRIDIUM POWER®



Datos de prueba de comparación de consumo de combustible

Datos: Prueba en cámara



Vehículo de prueba:

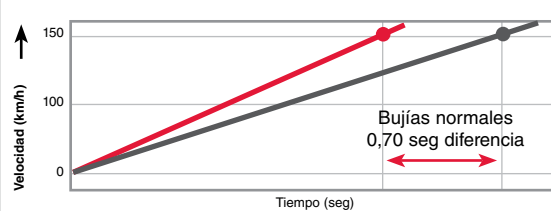
- > Honda DIO (2 tiempos, un solo cilindro, refrigerado por aire 50 cc)

Condiciones de prueba:

- > Velocidad 30 km/h, F/W 120 kg. tiempo medido: 10 minutos. Velocidad de aire refrigerante 30 km/h.

Iridium Power, datos de mejora de aceleración

Datos: Prueba en cámara



Vehículo de prueba:

- > 250cc (2 tiempos refrigerado por agua, 2 cilindros en V)

Condiciones de prueba:

- > Fijado en la 6ª marcha, aceleración total 50 km/h utilizando dispositivos de conducción automática.

Spark Plugs | Bujías de encendido Iridium

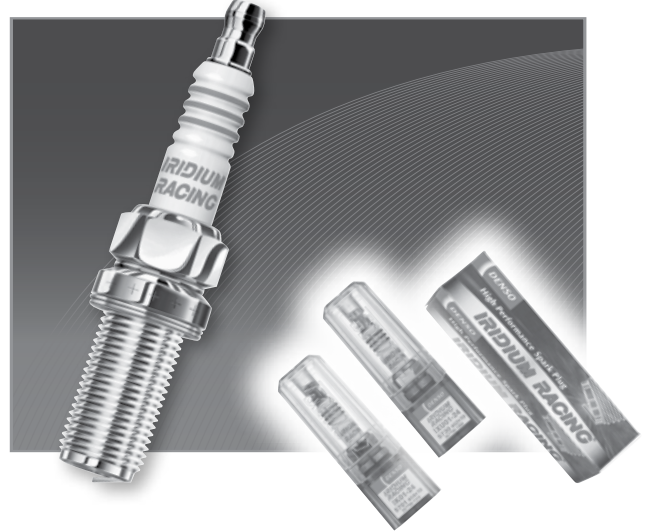
E

Iridium Racing

¡Máximo rendimiento en la pista! Utilice Iridium Racing y experimente un trayecto como nunca lo ha vivido.

- > **Rendimiento mejorado**
Mayor potencia con un ciclo de combustión ideal.
- > **Aceleración mejorada**
Insuperable rendimiento de aceleración en la pista.

IRIDIUM RACING®



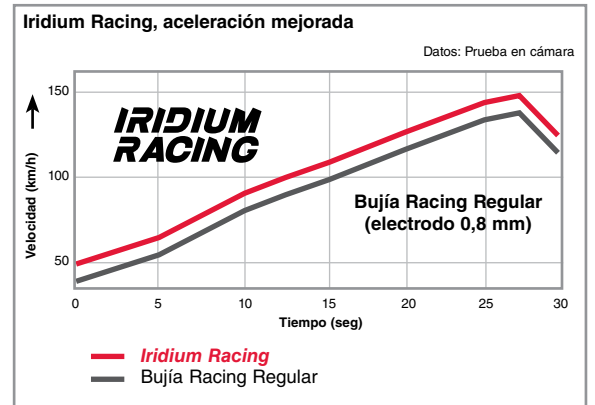
Tiempo para alcanzar 100 km/h (s) *

Bujía	13.9	14.0
IRIDIUM RACING	13.950	
Bujía Racing Regular (electrodo 0,8 mm)	13.985	

Vehículo de prueba:
> 250cc (2 tiempos refrigerado por agua, 2 cilindros)

Condiciones de prueba:
> R/L 50 km, luego acelerar durante 27 segundos al máximo (mantenerlo en 6ª marcha)

* Los datos mostrados son de estudios internos. También la "bujía Racing Regular" aquí indicada es un producto DENSO.





DENSO: la differenza

Nel settore delle tecnologia applicata alle candele, DENSO è il punto di riferimento ormai dal lontano 1959. DENSO sviluppa internamente le proprie gamme, mentre la produzione è affidata ai propri stabilimenti mondiali, certificati QS 9000 e ISO 9000, con 'zero difetti' come standard. La nostra azienda offre questa eccezionale qualità OE anche all'aftermarket. Le candele standard, al platino, Twin Tip e all'iridio di DENSO coprono una vasta gamma di applicazioni, con aggiornamenti continui, e garantiscono sempre ottime prestazioni. Scegliete le candele DENSO per tutte le vostre esigenze applicative: auto, moto, imbarcazioni o piccoli motori.

Gamma

Standard

- > Sigillante interno in rame e vetro per una migliore dissipazione termica
- > U-groove standard
- > Anima in rame alloggiata in profondità
- > Placcatura in nichel resistente al calore

Iridium Power

- > Eccezionali capacità d'accensione
- > Ridotto fabbisogno di tensione
- > Migliore risposta in accelerazione e stabilità
- > Consumo minore di carburante
- > Vita in servizio più lunga

Iridium Racing

- > Tecnologia F1
- > Accelerazione ineguagliabile
- > Elevata affidabilità
- > Prestazioni potenziate

Tipo	Standard	Iridium	
	Standard	Iridium Power	Iridium Racing
U-groove	+ ¹	+ ²	-
Elettrodo di massa rastremato	Alcuni tipi ³	+ ²	-
Materiale elettrodo di massa	Normale	Normale	Completamente al platino
Elettrodo centrale	2.5 MM	0.4 MM	0.4 MM ⁴
Gradazione termica disponibile	9-27	16-34	24-35
Resistore	La maggior parte	Tutti i tipi	Tutti i tipi
Prestazioni elevate	+	++++	+++++
Risparmio carburante	Buono	Ottimo	-
Vita in servizio	Standard	Standard	Solo per competizione

¹ I tipi di candela senza 'U' nel nome non sono dotati di U-groove

² Non applicabile a IU24A, IU27A, IU31A, IUF27A e IUF31A

³ I tipi di candela con una 'Z' nel nome sono dotati di elettrodo di massa rastremato

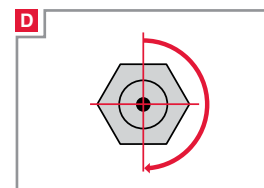
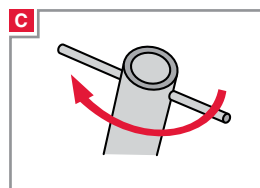
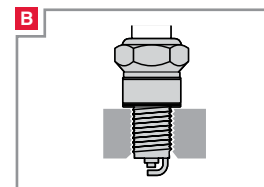
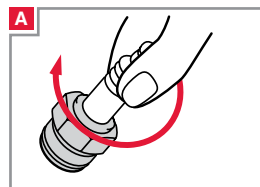
⁴ Tranne i tipi a scarica superficiale

I

Installazione Delle Candele

Coppia ed angolo di serraggio consigliati per candele DENSO

1. Utilizzare la chiave corretta per la profilatura esagonale della candela, e far attenzione a non danneggiare l'isolatore.
2. Cambiando le candele, assicurarsi che l'olio, etc., all'esterno delle candele non penetri all'interno del motore.
3. Durante l'inserimento delle candele, pulire il lato della flangia verso il motore, ed inserire la candela dopo essersi assicurati che la guarnizione sia presente sulla flangia.
4. Assicurarsi che le candele siano in posizione verticale, e serrarle a mano fino a ottenere resistenza (A+B).
5. Utilizzare allora una chiave per candele per serrarle accuratamente con la coppia o angolo di rotazione illustrati nel diagramma qui sotto (C+D).



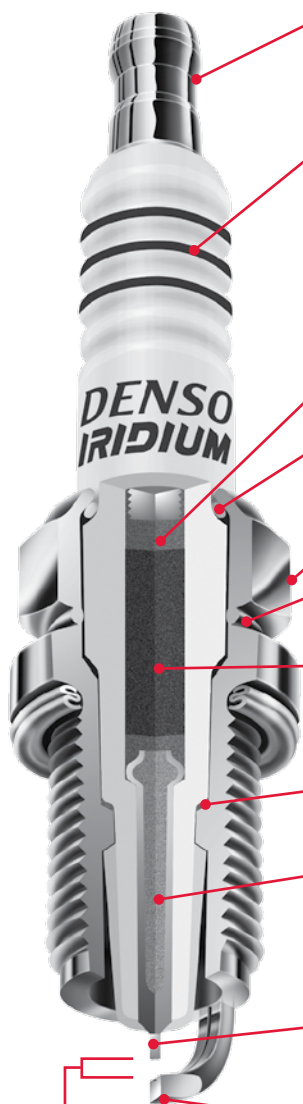
SPECIFICHE DI COPPIA CONSIGLIATE PER L'INSTALLAZIONE					
Filettatura	Coppia consigliate	Rotazioni consigliata		Candela nuova	Candela usata
Guarnizione	M8 Tipo Y	8-10 Nm	± 1 giro	± 1/12 giro	
	M10 Tipo U, N	10-15 Nm	± 2/3 giro	± 1/12 giro	
	M10 Guarnizione d'acciaio inossidabile	10-15 Nm	± 3/4 giro	± 1/12 giro	
	M12 Tipo SXU, X, XE, XU, ZXE, ZXU	15-20 Nm	± 1/3 giro	± 1/12 giro	
	M14 Tipo FK, J, K, KJ, P, PK, PKJ, PQ, Q, QJ, QL, S, SF, SK, SKJ, SV, SVK, VK, VKJ, W, ZT	20-25 Nm	± 1/2 giro	± 1/12 giro	
	M14 Guarnizione d'acciaio inossidabile	20-25 N	± 2/3 giro	± 1/12 giro	
	M18 Tipo L, M, MA, MW	30-40 Nm	± 1/4 giro	± 1/12 giro	
Sede conica	M14 Tipo PT, PTJ, T	20-30 Nm	± 1/16 giro	± 1/16 giro	
	M18 Tipo MA	30-40 Nm	± 1/4 giro	± 1/12 giro	



Nel caso che un lubrificante per filetti sia cosparsa sul filetto, il serraggio alla coppia consigliata è troppo elevato; questo fatto è stato collegato alla perdita dalla guarnizione. Non impiegare un lubrificante per filetti.

Un serraggio che superi gli angoli di serraggio e le coppie indicate a destra potrebbe provocare danni al motore, ed inoltre una rottura della candela al livello del filetto.

Caratteristiche delle candele



Terminale

Isolatore di ceramica

- > Il disegno a cinque nervature è utilizzato su tutta la superficie
- > Esso riduce le perdite di tensione e previene mancate scintille
- > Viene impiegata allumina ad elevata purezza
- > Buona isolamento elettrica, durata e conducibilità termica
- > Chimicamente stabile

Anello

Matrice sigillante speciale in rame-vetro

- > L'impermeabilità all'aria, la durata e la conducibilità termica sono buone

Alloggiamento

- > Una nichelatura altamente resistente alla corrosione

Guarnizione di calore elettrico

- > Ad alta resistenza, offre una buona ermeticità e una bassa variazione del range di calore

Resistore

- > Con una resistenza da 5 K Ω , riduce i radio-disturbi

Cappuccio della candela

Elettrodo centrale ad anima di rame

- > Se paragonate ai prodotti concorrenti, la quantità di rame è superiore, con migliori proprietà termiche
- > Dalle basse alle alte velocità, una candela robusta e rigida

Elettrodo centrale

- > Le candele all'iridio DENSO presentano l'elettrodo centrale dal diametro (0,4 mm) più ridotto al mondo

Elettrodo di messa a terra

- > Disponibile con scanalatura ad "U", che offre una combustione più completa
- > L'intaglio conico produce un'accensione costante.

Distanza della scintilla

Spark Plugs | Tabella di identificazione



Candele Iridium / Platinum / Standard

IDENTIFICAZIONE DELLE CANDELE DENSO																																																														
	W	16	E	XR	-U	11																																																								
S	K	20		PR	-A	11																																																								
S	XU	22	H	CR	-11S																																																									
Tipo di metallo prezioso	Diametro filettatura e misura dell'esagono di serraggio	Grado termica				Lunghezza parte filettata	Forma (tipo)	Forma (tipo)	Gap																																																					
D Iridio diametro 0.7 mm con elettrodo ad ago in platino F Iridio diametro 0.55 mm con elettrodo ad ago in platino P Platino diametro 1.1 mm con elettrodo in platino S Iridio diametro 0.7 mm con elettrodo in platino SV .. Iridio diametro 0.4 mm con elettrodo in platino Z Iridio diametro 0.55 mm con elettrodo in platino	C 12x14.0 L 18x22.2 (Lunghezza parte filettata: 12.7 mm) M 18x25.4 (Lunghezza parte filettata: 12 mm) MA 18x20.6 (Misura sede conica: 12 mm) MW 18x20.6 (Lunghezza parte filettata: 12 mm) J 14x20.6 (Candela proiettata) K 14x16.0 (Candela mini) KJ 14x16.0 (Candela mini proiettata) LP 14x20.6 (Candela per applicazioni GPL) Q 14x16.0 (Candela mini) QJ 14x16.0 (Candela mini proiettata) QL 14x20.6 (Candela mini con sezione cilindrica centrale allungata) S 14x20.6 (Candela a gap superficiale (per motori RE)) T 14x16.0 (Sede conica) W 14x20.6 (Tipo compatto) X 12x18.0 XE 12x14.0 XU 12x16.0 N 10x16.0 U 10x16.0 Y 8x13.0	<table border="1"> <tr> <th>DENSO</th> <th>NGK</th> <th>CHAMPION</th> <th>BOSCH</th> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>9</td> <td>2</td> <td>18</td> <td>10</td> </tr> <tr> <td>14</td> <td>4</td> <td>16,14</td> <td>9</td> </tr> <tr> <td>16</td> <td>5</td> <td>12,11</td> <td>8</td> </tr> <tr> <td>20</td> <td>6</td> <td>10,9</td> <td>7,6</td> </tr> <tr> <td>22</td> <td>7</td> <td>8,7</td> <td>5</td> </tr> <tr> <td>24</td> <td>8</td> <td>6,63,61</td> <td>4</td> </tr> <tr> <td>27</td> <td>9</td> <td>4,59</td> <td>3</td> </tr> <tr> <td>29</td> <td>9.5</td> <td>57</td> <td></td> </tr> <tr> <td>31</td> <td>10</td> <td>55</td> <td>2</td> </tr> <tr> <td>32</td> <td>10.5</td> <td>53</td> <td></td> </tr> <tr> <td>34</td> <td>11</td> <td></td> <td></td> </tr> <tr> <td>35</td> <td>11.5</td> <td></td> <td></td> </tr> </table>	DENSO	NGK	CHAMPION	BOSCH	4				9	2	18	10	14	4	16,14	9	16	5	12,11	8	20	6	10,9	7,6	22	7	8,7	5	24	8	6,63,61	4	27	9	4,59	3	29	9.5	57		31	10	55	2	32	10.5	53		34	11			35	11.5			A 19.0 mm (Posizione scintilla: 7.0 mm) J16AR-U11 A 21.5 mm S29A B 19.0 mm (Posizione scintilla: 9.5 mm) J16BR-U C 19.0 mm (Posizione scintilla: 5.0 mm) KJ20CR-L11 D 19.0 mm (Protezione 2) K20DTR-S11 E (Con guarnizione) 19.0 mm W16EX-U E (Con guarnizione) 20.0 mm W25EBR E (Sede conica) 19.0 mm T16EPR-U F 12.7 mm W20FP-U FE 19.0 mm (Mezza filettatura) U24FER9 G 19.0 mm (Protezione 3.5) PK20GR8 G 19.0 mm (Protezione 3) X27GPR-U H 26.5 mm QJ16HR-U H 19.0 mm (Posizione scintilla: 8.5 mm) K16HPR-U11 L 11.2 mm W14L N (Sede conica, mezza filettatura) 17.5 mm T20NR-U11 V (Sede conica) 25.0 mm PT16VR13 Nessuna 9.5 mm W14M-U 11.2 mm L14-U, M24S 19.0 mm SK20R11 21.5 mm S29A Nessuna (Sede conica) 8.3 mm T20M-U 11.2 mm T16PR-U	A Doppio elettrodo di massa W22EA AY .. Doppio elettrodo di massa di forma ripiegata J16AY B Triplo elettrodo di massa W22EB BG .. Triplo elettrodo di massa (protezione) SK20BGR11 C Protezione 1.5 mm SXU22HCR11 D 4 Doppio elettrodo di massa W27EDR D Proiettata (proiezione 1.5 mm, posizione scintilla 3.5 mm) XU22HDR9 E Copertura di protezione 2.0 mm FXE20HE11 K Proiettata (proiezione 1 mm) W16EKR-S11 LM .. Tipo compatto (esagono 20.6 mm) W14LM-U M Lunghezza testa isolatore accorciata W27EMR-C M Tipo compatto (esagono 19.0 mm) W20M-U P Proiettata 2 mm, posizione scintilla 3.5 mm W16EP-U Q Projected 2mm, Spark position 3.5mm R Resistore 5 kOhm K16R-U S Non-proiettata (proiezione 0 mm) W22ES-U S Iridio su un solo lato KJ20SR11 T Doppio elettrodo di massa K16TR11 TM .. Doppio elettrodo di massa K22TMR11 TN .. Doppio elettrodo di massa K22TNR-S X Completamente proiettata (proiezione 2.5 mm) W16EX-U	-A ... Specifica speciale SK16PR-A11 -B ... Specifica speciale K16PSR-B8 -C ... Elettrodi di massa retrotagliati W27EMR-C -D ... Elettrodi di massa con nucleo in rame DK20PR-D13 -E ... Specifica speciale SK16PR-E11 -F ... Specifica speciale SK16PR-F11 -G ... Grasso applicato alla filettatura per motori a metano SK20R8-G -GL Elettrodo centrale in platino X22EPR-GL -L ... Elettrodo di massa resistente al calore K20PR-L11 -L ... Isolatore proiettato 3.5 mm per motocicli W20FP-UL -L ... Isolatore retratto per motocicli W20FR-L -M .. Elettrodo di massa più grande SK20PR-M11S -N ... Per Yamaha e Kawasaki U27ESR-N -P ... Doppio elettrodo di massa in platino SK20R-P11 -P ... Candela al platino a lato singolo K16PR-P11 -R ... Resistore 10K ohm K22PR-UR -S ... Tipo a scarica con gap semi-superficiale W20EP-S11 -S ... Guarnizione inox U27FER9S -T ... Per GPL SK20HR8-T -T ... Specifica speciale FK20HBR11-T -TP .. Candela in platino a lato singolo e taglio conico K20PR-TP11 -U ... Elettrodo di massa con scanalatura a U -US Elettrodo centrale a stella W20M-US -V ... Elettrodo centrale in nickel da 1.3 mm W27ES-V	5 0.5 mm (.020") 8 0.8 mm (.032") 9 0.9 mm (.035") 10 1.0 mm (.040") 11 1.1 mm (.044") 13 1.3 mm (.050") 14 1.4 mm (.055") 15 1.5 mm (.060") <Nessuno> Autovetture 0.8 mm M/C: 0.7 mm <Eccezioni>: P16R, PQ20R sono 1.1 mm
	DENSO	NGK	CHAMPION	BOSCH																																																										
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IRIDIUM POWER® Serie Iridium Power (Power, Tough, Plus)

IDENTIFICAZIONE DELLE CANDELE DENSO																																															
I	U	27	A																																												
VF	KH	20																																													
Candela ad alte prestazioni	Diametro e lunghezza filettatura, dimensioni corpo metallico esagonale	Grado termica	Forma (tipo)																																												
<p>I..... Iridio diametro 0.4 mm</p> <p>V..... Iridio diametro 0.4 mm con elettrodo in platino</p> <p>VF... Iridio diametro 0.4 mm con elettrodo ad ago in platino</p>	<p><dim. filettatura x lungh. filett. x dimensione esagono (mm)></p> <p>CH... 12x26.5x14.0</p> <p>K... 14x19.0x16.0</p> <p>KA... 14x19.0 (Con copertura di protezione, nuovo elettrodo triplo)x16.0</p> <p>KB... 14x19.0 (Nuovi elettrodi triplici)x16.0</p> <p>KBH... 14x26.5 (Nuovi elettrodi triplici)x16.0</p> <p>KD... 14x19.0 (Con copertura di protezione)x16.0</p> <p>KH... 14x26.5x16.0</p> <p>NH... 10x19.0 (Mezza filettatura)x16.0</p> <p>T... 14x17.5 (Sede conica)x16.0</p> <p>TF... 14x11.2 (Sede conica)x16.0</p> <p>TL... 14x25.0 (Sede conica, isolatore lungo)x16.0</p> <p>TV... 14x25.0 (Sede conica)x16.0</p> <p>Q... 14x19.0x16.0</p> <p>U... 10x19.0x16.0</p> <p>UF... 10x12.7x16.0</p> <p>UH... 10x19.0 (Mezza filettatura)x16.0</p> <p>W... 14x19.0x20.6</p> <p>WF... 14x12.7x20.6</p> <p>WM... 14x19.0x20.6 (Isolatore compatto)</p> <p>X... 12x19.0x18.0</p> <p>XEH... 12x26.5 (Copertura di protezione 2.0)x14.0</p> <p>XG... 12x19.0 (Copertura di protezione 3.0)x18.0</p> <p>XU... 12x19.0x16.0</p> <p>XUH... 12x26.5x16.0</p> <p>Y... 8x19.0 (Mezza filettatura)x13.0</p>	<table border="1"> <thead> <tr> <th>DENSO</th> <th>NGK</th> <th>CHAMPION</th> <th>BOSCH</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>5</td> <td>12,11</td> <td>8</td> </tr> <tr> <td>20</td> <td>6</td> <td>10,9</td> <td>7,6</td> </tr> <tr> <td>22</td> <td>7</td> <td>8,7</td> <td>5</td> </tr> <tr> <td>24</td> <td>8</td> <td>6,63,61</td> <td>4</td> </tr> <tr> <td>27</td> <td>9</td> <td>4,59</td> <td>3</td> </tr> <tr> <td>29</td> <td>9.5</td> <td>57</td> <td></td> </tr> <tr> <td>31</td> <td>10</td> <td>55</td> <td>2</td> </tr> <tr> <td>32</td> <td>10.5</td> <td>53</td> <td></td> </tr> <tr> <td>34</td> <td>11</td> <td></td> <td></td> </tr> <tr> <td>35</td> <td>11.5</td> <td></td> <td></td> </tr> </tbody> </table>	DENSO	NGK	CHAMPION	BOSCH	16	5	12,11	8	20	6	10,9	7,6	22	7	8,7	5	24	8	6,63,61	4	27	9	4,59	3	29	9.5	57		31	10	55	2	32	10.5	53		34	11			35	11.5			<p>A..... Elettrodo inclinato, senza scanalatura a U, nessun taglio conico</p> <p>B..... Isolatore proiettato (1.5 mm)</p> <p>C..... Senza scanalatura a U</p> <p>D..... Senza scanalatura a U, elettrodo di massa Inconel</p> <p>E..... Copertura di protezione: 2 mm</p> <p>ES... Guarnizione in acciaio inox:</p> <p>F..... Specifica speciale</p> <p>G..... Guarnizione in acciaio inox:</p> <p>I..... Posizione scintilla: 4 mm Isolatore proiettato (1.5 mm)</p> <p>J..... Posizione scintilla: 5 mm</p> <p>K..... Posizione scintilla: 4 mm Isolatore proiettato (2,5 mm)</p> <p>L..... Posizione scintilla: 5 mm</p> <p>T..... Per applicazioni GPL</p> <p>Y..... Gap 0.8 mm</p> <p>Z..... Taglio conico</p>
DENSO	NGK	CHAMPION	BOSCH																																												
16	5	12,11	8																																												
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TT

IDENTIFICAZIONE DELLE CANDELE DENSO																			
W	16	TT																	
Diametro e lunghezza filettatura, dimensioni corpo metallico esagonale	Grado termica	Forma (tipo)																	
<p><dim. filettatura x lungh. filett. x dimensione esagono (mm)></p> <p>W... 14x19.0x20.6</p> <p>K... 14x19.0x16.0</p> <p>KH... 14x26.5x16.0</p> <p>Q... 14x19.0x16.0</p> <p>T... 14x17.5x16.0</p> <p>WF... 14x12.7x20.6</p> <p>TV... 14x25.0x16.0</p>	<table border="1"> <thead> <tr> <th>DENSO</th> <th>NGK</th> <th>CHAMPION</th> <th>BOSCH</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>5</td> <td>12,11</td> <td>8</td> </tr> <tr> <td>20</td> <td>6</td> <td>10,9</td> <td>7,6</td> </tr> <tr> <td>22</td> <td>7</td> <td>8,7</td> <td>5</td> </tr> </tbody> </table>	DENSO	NGK	CHAMPION	BOSCH	16	5	12,11	8	20	6	10,9	7,6	22	7	8,7	5	<p>TT=Doppia punta (Twin Tip) (1.5mm Nichel CE, 1.5mm GE)</p> <p>CE = Elettrodo centrale</p> <p>GE = Elettrodo di massa</p>	
DENSO	NGK	CHAMPION	BOSCH																
16	5	12,11	8																
20	6	10,9	7,6																
22	7	8,7	5																



Gamme programma candele DENSO

La seguente panoramica offre una sintesi delle diverse configurazioni delle candele DENSO, agevolando la selezione della candela corretta per ciascuna applicazione.

Standard



Candele con triplo elettrodo

Esempio: K22PB/W20EPB

- > Elettrodi di massa tripli
- > Maggiore durabilità
- > Per Audi, VW, Citroën, Fiat, Mercedes-Benz, Renault



Candela U-Groove

Esempio: W16EX-U

- > L'elettrodo di massa U-Groove offre una elevata energia di accensione
- > Accende anche miscele povere
- > Completamente prominente (prominenza isolante 2,5 mm) con riduzione dell'imbrattamento da carbonio
- > Accensione uniforme e ottima accelerazione



Candela a scarica semi-superficiale per motori rotativi

Esempio: S29A

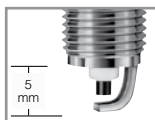
- > Scarica semi-superficiale
- > Migliore accendibilità, resistenza all'imbrattamento e durezza
- > Riduce la perdita di tensione grazie al design a 7 coste



Candele lunghe

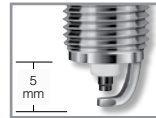
Esempio: J16AR-U11

- > Elettrodo di massa U-Groove per migliori prestazioni d'accensione
- > Accende anche miscele povere
- > La posizione della scintilla è estesa nella camera di combustione, per una migliore efficienza combustiva, minore consumo di carburante e guidabilità ottimale



Esempio: KJ20CR11/KJ20CR-U11

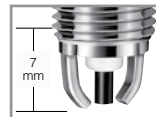
- > Solo per veicoli Mazda e Mitsubishi
- > La KJ20CR11 è priva di U-groove
- > La KJ20CR-U11 è dotata di U-groove



Candele lunghe

Esempio: KJ20CR-L11

- > L'elettrodo di massa è rastremato
- > Elettrodo centrale più sottile
- > Maggiore accendibilità
- > Solo per i veicoli specificati



Esempio: J16AY

- > Solo per veicoli Daihatsu
- > Due elettrodi di massa assicurano una migliore durabilità



Candela a scarica semi-superficiale

Esempio: W20EKR-S11/W20EPR-S11

- > La scarica semi-superficiale incrementa l'accendibilità e la resistenza all'imbrattamento
- > La W20EKR-S11 è per i veicoli Honda
- > La W20EPR-S11 è per i veicoli Mitsubishi



Candela a scarica semi-superficiale e doppio elettrodo

Esempio: W20ETR-S11

- > Elettrodo di massa doppio con intervallo di 1 mm
- > Questo doppio elettrodo di massa, corto, di tipo contrapposto, offre un'ottima durezza
- > La prominenza completa migliora l'accendibilità
- > Nuovo intervallo supplementare migliora la resistenza all'imbrattamento
- > Solo per veicoli Toyota e Daihatsu



Candela a scarica semi-superficiale e doppio elettrodo, con copertura protettiva

Esempio: K20DTR-S11/W20DTR-S11

- > Design a scarica semi-superficiale
- > Estremità della porzione filettata estesa nella camera di combustione
- > Copertura protettiva per una migliore resistenza all'imbrattamento
- > Solo per veicoli Daihatsu e Subaru



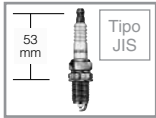
Candela con elettrodo centrale a stella

Esempio: W9LM-US

- > Per motori di piccole dimensioni
- > Genera una scintilla più intensa agevolando l'avviamento
- > Riduce la possibilità di avviamenti irregolari
- > Riduce l'imbrattamento da carbonio
- > Dotata di elettrodo di massa U-Groove

I

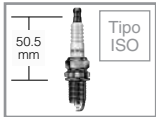
Standard



Piccola candela esagonale

Esempio: Q16R-U11/Q16PR-U11

- > Candela più piccola grazie alla riduzione delle dimensioni della testa esagonale (16 mm)



Piccola candela esagonale compatibile ISO

Esempio: K16-RU11/K16PR-U11

- > Compatibile con gli standard ISO
- > Prestare attenzione durante l'installazione: l'altezza d'installazione è inferiore di 2,5 mm rispetto al tipo Q



Candela piccola per utilitarie

Esempio: XU22EPR-U

- > Grazie alla riduzione delle dimensioni della testa esagonale (16 mm), la candela può essere usata nelle vetture più piccole
- > Dimensioni filettatura: 12 mm



Candela con alloggiamento lungo

Esempio: QL20PR-U/QL20TR-S

- > Allungando il cilindro centrale, le dimensioni di installazione sono fisse
- > La QL20TR-S è dotata di elettrodi di massa doppi, mentre la scarica semi-superficiale protegge dall'imbrattamento
- > Solo per veicoli Daihatsu



Candela a sede conica

Esempio: T16EPR-U

- > Solo per veicoli non giapponesi non dotati di guarnizione



Candela con resistore

Riduce la quantità di radiointerferenze generate durante l'accensione

- > Resistore di 5k Wubicato fra l'elettrodo centrale e l'anima dell'elettrodo centrale
- > Riduce le radiointerferenze durante l'accensione
- > La maggior parte delle vetture nuove sono dotate di candele con resistore di serie

Platinum



Candela al platino

Esempio: PK20R11

- > Il platino è utilizzato sia per l'elettrodo centrale che per quello di massa
- > Il sottile elettrodo centrale e la punta al platino riducono il consumo di carburante e ottimizzano la guidabilità e la durezza



Candela al platino per DLI (scarica +)

Esempio: PK20R-P11

- > Un maggiore impiego di platino previene l'usura della candela durante la scarica positiva (+)



Candela al platino lunga

Esempio: PKJ20CR-L11

- > La posizione della scintilla è estesa fino alla camera di combustione
- > Migliore efficienza combustibile
- > Minore consumo di carburante e migliore guidabilità



Candela al platino con doppio elettrodo

Esempio: PK20TR11

- > Le parti dell'elettrodo centrale posizionate di fronte all'elettrodo di massa sono dotate di punta al platino
- > Il design a doppio elettrodo richiede una bassa tensione durante la scarica positiva (+)



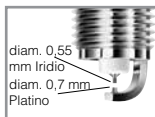
Candela al platino con elettrodo doppio

Esempio: Q20PR-P11/K16PR-TP11

- > Solo l'elettrodo centrale è dotato di punta al platino, consentendo l'uso di un elettrodo sottile
- > Minore consumo di carburante, migliore guidabilità e durezza
- > L'elettrodo di massa è rastremato per una migliore accendibilità



Iridium



SIP

Esempio: FK20HR11

- > Rivoluzionaria tecnologia DENSO
- > Elettrodo di massa a forma d'ago
- > Riduzione senza eguali dell'azione di raffreddamento rapido



OE Candela all'iridio

Esempio: SK16R-P11/SK20R11

- > Primo elettrodo al mondo in lega d'iridio ultra-fine di 0,7 mm di diametro, sviluppato da DENSO
- > Migliora notevolmente l'accendibilità e la durata in servizio



Iridium Power

Esempio: IK20

- > L' Elettrodo centrale ultra sottile da 0,4 mm all'Iridio, migliora notevolmente l'accensione e riduce la tensione richiesta per lo scoccare della scintilla.
- > Proiezione dell'elettrodo centrale sulla quasi totalità della gamma.
- > Elettrodo di massa con scanalatura ad U brevettata (U-Groove), sulla quasi totalità della gamma.
- > Taglio conico dell'elettrodo di massa sulla quasi totalità della gamma.



Iridium Tough

Esempio: VK20

- > L' Elettrodo centrale ultra sottile da 0,4 mm all'Iridio, migliora notevolmente l'accensione e riduce la tensione richiesta per lo scoccare della scintilla.
- > Il Terminale al platino dell'elettrodo di massa consente una maggior durata.



Iridium Tough Double Needle

Esempio: VFKH20

- > L'elettrodo di massa ad ago da 0,7 mm in platino migliora la combustione e l'accelerazione.
- > L'elettrodo centrale da 0,4 mm ultra fine in iridio migliora significativamente l'accendibilità.

TT



Candele TT

- > La prima candela con elettrodo ultrasottile senza metalli preziosi sugli elettrodi
- > Elettrodo centrale in lega di nichel e doppio elettrodo di massa prominente più sottile da 1,5mm di diametro
- > Emissioni ridotte di CO₂
- > Significativo miglioramento del consumo di carburante



Iridium Power

Utilizzando il primo elettrodo centrale all'iridio al mondo, da 0,4 mm di diametro, la candela Iridium Power offre una capacità di accensione eccezionale e richiede una tensione poco elevata, garantendo alla propria automobile delle prestazioni migliori:

> Miglior rendimento

L'Iridium Power utilizza bassa tensione e garantisce un'elevata capacità di accensione, il che significa meno accensioni mancate e nessuna pre-accensione, fornendo così un sensibile miglioramento della combustione e aumentando di conseguenza la resa del motore.

> Migliore accelerazione

Grazie ad una capacità di accensione stabile, le prestazioni in fatto di accelerazione vengono sensibilmente migliorate.

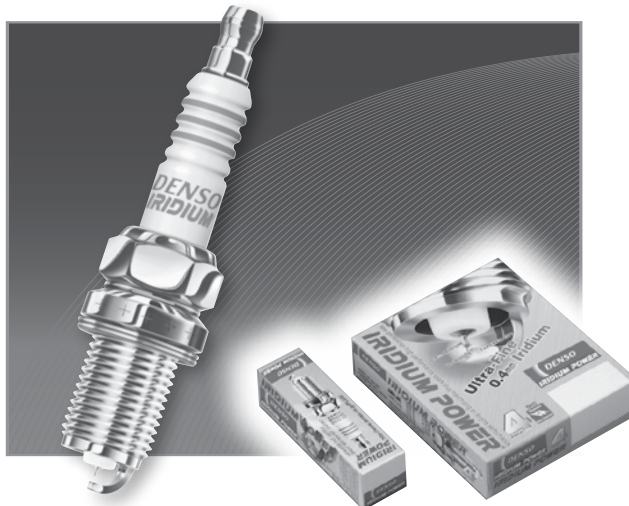
> Maggiore potenza

L'elettrodo centrale da 0,4 mm contribuisce all'aumento di potenza nelle condizioni di guida più svariate.

> Riduzione del consumo di combustibile

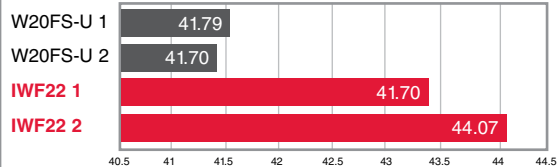
Anche durante le pause d'accensione, viene garantita una maggiore potenza, con una riduzione nel consumo di carburante e una minore rumorosità.

IRIDIUM POWER®



Comparazione del consumo di carburante

Dati: Comparazione effettuata presso l'azienda



Veicolo del test:

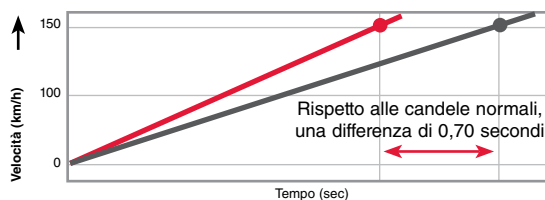
> Honda DIO (2 tempi, monocilindrica, raffreddata ad aria, 50 cc)

Condizioni del test:

> Velocità 30 km/h, peso al completo 120 kg.
Tempo di misurazione: 10 minuti. Velocità dell'aria di raffreddamento: 30 km/h

Iridium Power, data sul miglioramento dell'accelerazione

Dati: Comparazione effettuata presso l'azienda



Veicolo del test:

> 250 cc (2 tempi, raffreddato ad acqua, 2 cilindri a V)

Condizioni del test:

> Cambio fisso in 6a marcia, accelerazione a fondo corsa, da 50 km/h, utilizzando il dispositivo di guida automatico.

Spark Plugs | Candele Iridium



Iridium Racing

Prestazioni di punta su circuito! Utilizzate l'Iridium Racing e godetevi una corsa come non avete mai provato prima d'ora.

- > **Miglior rendimento**
Maggiore potenza, grazie ad un ciclo di combustione ideale.
- > **Accelerazione migliorata**
Prestazioni imbattibili di accelerazione su circuito.

IRIDIUM RACING®



Tempo per raggiungere i 100 km/h (in secondi) *

Candela	13.9	14.0
IRIDIUM RACING	13.950	
Candela normale da competizione (con elettrodo da 0,8 mm)	13.985	

Veicolo del test:

- > 250 cc (2 tempi, raffreddato ad acqua, 2 cilindri a V)

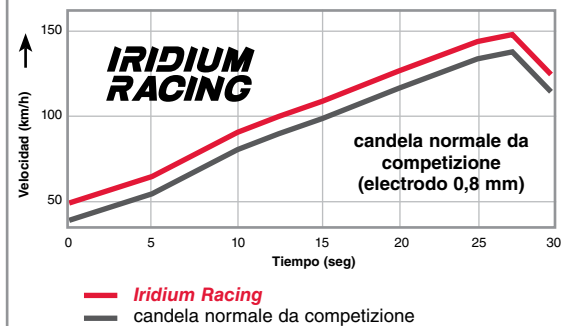
Condizioni del test:

- > L/D 50 km, quindi accelerazione per 27 secondi a tutto gas (marcia bloccata in 6a)

* I dati illustrati provengono da studi interni. Inoltre, la "candela normale da competizione" di riferimento, è in questo caso un prodotto DENSO.

Iridium Racing, accelerazione migliorata

Dati: Comparazione effettuata presso l'azienda



Skillnaden med DENSO

DENSO har satt standarden för tändstiftsteknologi sedan 1959. Vi utvecklar alla produkter själva och tillverkar dem i våra egna QS 9000- och ISO 9000-certifierade fabriker över hela världen – med 'noll fel' som standard. Vi tillhandahåller också den här enastående OE-kvaliteten till eftermarknaden. DENSO har en komplett serie tändstift med kontinuerligt uppdaterade produkter, som inkluderar Standard, Platinum, Twin Tip och Iridium. Tändstiften från DENSO garanterar optimal motorprestanda och finns för alla små och stora bil-, motorcykel- och marinmotorer.

Produkter

Standard

- > Kopparglastätning underlättar värmeavledning
- > Standard U-spår
- > Djupt infattad kopparkärna
- > Värmebeständig nickelplätning

Iridium Power

- > Superb tändkapacitet
- > Lågt spänningsbehov
- > Bättre gasrespons och driftstabilitet
- > Minskad bränsleförbrukning
- > Längre livslängd

Iridium Racing

- > F1-teknologi
- > Optimal acceleration
- > Hög tillförlitlighet
- > Extra prestanda

Typ	Standard	Iridium	
	Standard	Iridium Power	Iridium Racing
U-spår	+ ¹	+ ²	-
Avfasad sideolektrod	Vissa typer ³	+ ²	-
Material i sideolektrod	Normal	Normal	Helt i Platinum
Mittelektrod	2.5 mm	0.4 mm	0.4 mm ⁴
Värmeintervall	9-27	16-34	24-35
Resistor	De flesta typer	Alla typer	Alla typer
Högprestanda	+	++++	+++++
Bränsleekonomi	Bra	Bäst	-
Livslängd	Standard	Standard	Endast för tävling

¹ Tändstift utan ett 'U' i typnamnet har inte U-spår

² Gäller ej IU24A, IU27A, IU31A, IUF27A och IUF31A

³ Tändstift med ett 'Z' i typnamnet har en avfasad sideolektrod

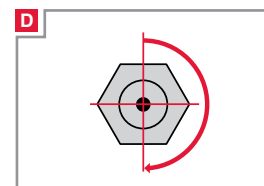
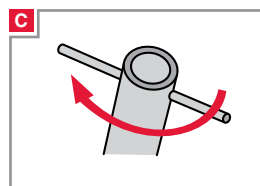
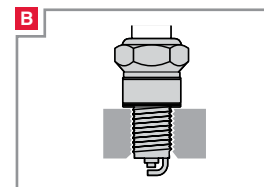
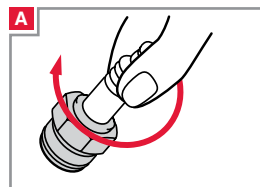
⁴ Utom för tändstiftstyper med ytgap

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Installation av tändstift

Rekommenderat moment och åtdragningsvinkel för DENSO tändstift.

1. Använd rätt tändstiftsnyckel till sexkantsmuttern på stiftet och var försiktig så att du inte skadar isolatorn.
2. Torka av olja osv. på utsidan av tändstiftet vid byte, så att det inte kommer in i motorn.
3. Rengör motorsidan av flänsen innan stiftet sätts i och kontrollera att tätningbrickan sitter rätt i flänsen innan du sätter in stiftet.
4. Se till att tändstiftet sitter vertikalt och dra fast dem för hand tills de inte går att dra åt mer (A+B)
5. Använd sedan en tändstiftsnyckel för att dra fast stiftet enligt moment- eller rotationsvinklarna i nedanstående tabell (C+D).



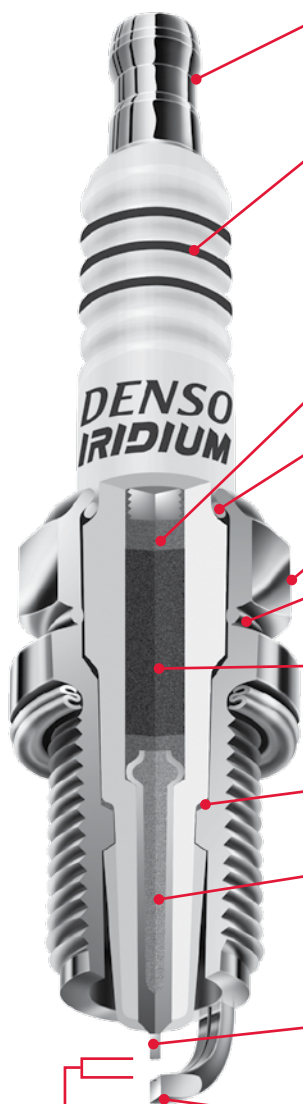
REKOMMENDERAD INSTALLATION ÅTDRAGNINGSMOMENT					
Gängdiameter	Rekom-menderat moment	Rekommenderat Varv			
		Nytt stift	Använt varv		
M8 Y-typ	8-10 Nm	± 1 varv	± 1/12 varv		
M10 U, N-typ	10-15 Nm	± 2/3 varv	± 1/12 varv		
M10 Rostfri ståltätningbricka	10-15 Nm	± 3/4 varv	± 1/12 varv		
M12 SXU, X, XE, XU, ZXE, ZXU-typ	15-20 Nm	± 1/3 varv	± 1/12 varv		
M14 FK, J, K, KJ, P, PK, PKJ, PQ, Q, QJ, QL, S, SF, SK, SKJ, SV, SVK, VK, VKJ, W, ZT-typ	20-25 Nm	± 1/2 varv	± 1/12 varv		
M14 Rostfri ståltätningbricka	20-25 Nm	± 2/3 varv	± 1/12 varv		
M18 L, M, MA, MW-typ	30-40 Nm	± 1/4 varv	± 1/12 varv		
Konformat säfte	M14 PT, PTJ, T-typ	20-30 Nm	± 1/16 varv	± 1/16 varv	
	M18 MA-typ	30-40 Nm	± 1/4 varv	± 1/12 varv	



Om gängsmörjning, som smörjfett, applicerats på gängorna ska stiftet inte dras åt till rekommenderat moment. Detta kan medföra läckage i tätningen. Använd inte gängsmörjning.

Åtdragning till mer än de åtdragningsvinklar och -moment som visas i ovanstående tabell kan leda till skada på motorn och att stiftet lossar från gängorna.

Tändstiftsegenskaper



Anslutning

Keramisk isolator

- > Konstruktionen med fem räfflor som täcker hela ytan
- > Detta minskar spänningsförlusterna och förhindrar uteblivna gnistor
- > Högre aluminium används
- > God elektrisk isolering, tillförlitlighet och värmeledning
- > Kemiskt stabil

Ring

Speciell koppar-glastätning

- > God lufttätethet, tillförlitlighet och värmeledning.

Stomme

- > En mycket korrosionsbeständig nickelplätering

Elektrisk värmätätning

- > Värmebeständighet, ger god täthet och litet värmevariationsintervall.

Resistor

- > En resistor på 5 kW ger mindre radiobrus.

Tätning

Mittelektrod med kopparkärna

- > Jämfört med andra tillverkare finns det mer koppar, vilket ger bättre värmeegenskaper.
- > En stark, stabil gnista från låga upp till höga hastigheter.

Mittelektrod

- > Mittelektroden i DENSO:s Iridium-stift har världens minsta diameter på endast 0,4 mm

Jordelektrod

- > Med U-spår, vilket ger en fullständigare förbränning
- > Avfasningen resulterar en stabil tändning.

Gnistgap

Spark Plugs | Identifieringstabell





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Iridium-stift / platina / standardstift




IDENTIFIERA TÄNDSTIFT FRÅN DENSO																																																														
	W	16	E	XR	-U	11																																																								
S	K	20		PR	-A	11																																																								
S	XU	22	H	CR	-11S																																																									
Typ av ädelmetall	Gängdiameter och nyckeldimension	Värmetal				Längd	Form (typ)	Form (typ)	Gnistgap																																																					
D ... Iridium, platinanål med 0.7 mm diameter	C 12x14.0 L 18x22.2 (Längd: 12.7 mm)	<table border="1"> <tr> <td rowspan="2">DENSO</td> <td rowspan="2">NGK</td> <td rowspan="2">CHAMPION</td> <td rowspan="2">BOSCH</td> </tr> <tr> <td>4</td> <td>2</td> <td>18</td> <td>10</td> </tr> <tr> <td>9</td> <td>2</td> <td>18</td> <td>10</td> </tr> <tr> <td>14</td> <td>4</td> <td>16,14</td> <td>9</td> </tr> <tr> <td>16</td> <td>5</td> <td>12,11</td> <td>8</td> </tr> <tr> <td>20</td> <td>6</td> <td>10,9</td> <td>7,6</td> </tr> <tr> <td>22</td> <td>7</td> <td>8,7</td> <td>5</td> </tr> <tr> <td>24</td> <td>8</td> <td>6,63,61</td> <td>4</td> </tr> <tr> <td>27</td> <td>9</td> <td>4,59</td> <td>3</td> </tr> <tr> <td>29</td> <td>9.5</td> <td>57</td> <td></td> </tr> <tr> <td>31</td> <td>10</td> <td>55</td> <td>2</td> </tr> <tr> <td>32</td> <td>10.5</td> <td>53</td> <td></td> </tr> <tr> <td>34</td> <td>11</td> <td></td> <td></td> </tr> <tr> <td>35</td> <td>11.5</td> <td></td> <td></td> </tr> </table>	DENSO	NGK	CHAMPION	BOSCH	4	2	18	10	9	2	18	10	14	4	16,14	9	16	5	12,11	8	20	6	10,9	7,6	22	7	8,7	5	24	8	6,63,61	4	27	9	4,59	3	29	9.5	57		31	10	55	2	32	10.5	53		34	11			35	11.5			A 19.0 mm (Gnistläge: 7.0 mm) J16AR-U11 A 21.5 mm S29A B 19.0 mm (Gnistläge: 9.5 mm) J16BR-U C 19.0 mm (Gnistläge: 5.0 mm) KJ20CR-L11 D 19.0 mm (Hölje 2) K20DTR-S11 E (Med packning) ... 19.0 mm W16EX-U E (Med packning) ... 20.0 mm W25EBR E (Konat säte) ... 19.0 mm T16EPR-U FE 12.7 mm W20FP-U FE 19.0 mm (Halv gänga) U24FER9 G 19.0 mm (Hölje 3.5) PK20GR8 G 19.0 mm (Hölje 3) X27GPR-U H 26.5 mm QJ16HR-U H 19.0 mm (Gnistläge: 8.5 mm) K16HPR-U11 L 11.2 mm W14L N (Konat säte, Halv gänga) 17.5 mm T20NR-U11 V (Konat säte) ... 25.0 mm PT16VR13 Inget ... 9.5 mm W14M-U 11.2 mm L14-U, M24S 19.0 mm SK20R11 21.5 mm S29A Inget (Konat säte) ... 8.3 mm T20M-U 11.2 mm T16PR-U	A Dubbla sidoelektroder W22EA AY .. Dubbla , böjda sidoelektroder J16AY B Tre sidoelektroder W22EB BG .. Tre sidoelektroder (hölje) SK20BGR11 C Hölje 1.5 mm SXU22HCR11 D 4 sidoelektroder W27EDR D Utskjutande (1.5 mm, gnistläge 3.5 mm) XU22HDR9 E Hölje 2.0 mm FXE20HE11 K Utskjutande (1 mm) W16EKR-S11 LM .. Kompakt (nyckelvidd 20.6 mm) W14LM-U M Förkortat isolatorhuvud W27EMR-C M Kompakt (nyckelvidd 19.0 mm) W20M-U P Utskjutande (1.5 mm) W16EP-U Q Utskjutande 2 mm, gnistläge 3.5 mm R 5 kOhm motstånd K16R-U S Ej utskjutande (0 mm) W22ES-U S Iridium på en sida KJ20SR11 T Dubbla sidoelektroder K16TR11 TM .. Dubbla sidoelektroder K22TMR11 TN .. Dubbla sidoelektroder K22TNR-S X Fullt utskjutande (2.5 mm) W16EX-U	-A ... Specialmodell SK16PR-A11 -B ... Specialmodell K16PSR-B8 -C ... Avskurna sidoelektroder W27EMR-C -D ... Sidoelektrod med kopparkärna DK20PR-D13 -E ... Specialmodell SK16PR-E11 -F ... Specialmodell SK16PR-F11 -G ... Fettbestrukna gängor för CNG SK20R8-G -GL .. Mittelektrod av platina X22EPR-GL -L ... Värmetällig sidoelektrod K20PR-L11 -L ... 3.5 mm utskjutande isolator för motorcyklar W20FP-UL -L ... Indragen isolator för motorcyklar W20FR-L -M ... Större jordisolator SK20PR-M11S -N ... För Yamaha och Kawasaki U27ESR-N -P ... Dubbla sidoelektroder i platina SK20R-P11 -P ... Enkelsidigt platinastift K16PR-P11 -R ... 10 kOhm motstånd K22PR-UR -S ... Gnistgap med semi-yta W20EP-S11 -S ... Rostfri packning U27FER9S -T ... För gasmotorer SK20HR8-T -T ... Specialmodell FK20HBR11-T -TP .. Konat enkelsidigt platinastift K20PR-TP11 -U ... Elektrod med U-spår K16PR-U -US Stjärnformad mittelektrod W20M-US -V ... Mittelektrod, nickelkärna med 1.3 mm diameter W27ES-V	5 0.5 mm (.020") 8 0.8 mm (.032") 9 0.9 mm (.035") 10 1.0 mm (.040") 11 1.1 mm (.044") 13 1.3 mm (.050") 14 1.4 mm (.055") 15 1.5 mm (.060") <Inget> Bilar: 0.8 mm M/C: 0.7 mm <Undantag>: P16R, PQ16R, PQ20R är 1.1 mm
DENSO	NGK						CHAMPION	BOSCH																																																						
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F ... Iridium, platinanål med 0.55 mm diameter	M 18x25.4 (Längd: 12 mm) MA 18x20.6 (Konat säte, längd: 12 mm)																																																													
P ... Platina, platinaspets med 1.1 mm diameter	MW 18x20.6 (Längd: 12 mm) J 14x20.6 (Utskjutande stift)																																																													
S ... Iridium, platinaspets med 0.7 mm diameter	K 14x16.0 (Miniatyrstift) KJ 14x16.0 (Utskjutande miniatyrstift)																																																													
SV ... Iridium, platinaspets med 0.4 mm diameter	LP 14x20.6 (Tändstift för gasmotorer)																																																													
Z ... Iridium, platinaspets med 0.55 mm diameter	Q 14x16.0 (Miniatyrstift) QJ 14x16.0 (Utskjutande miniatyrstift) QL 14x20.6 (Miniatyrstift med långt cylinderhölje) S 14x20.6 (Stift med ytliggande gnistgap (för RE-motorer)) T 14x16.0 (Konat säte) W 14x20.6 14x19.0 (Kompakttyp) X 12x18.0 XE 12x14.0 XU 12x16.0 N 10x16.0 U 10x16.0 Y 8x13.0																																																													

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IRIDIUM POWER® Iridium Power-serien (Power, Tough, Plus)

IDENTIFIERA TÄNDSTIFT FRÅN DENSO																																															
I	U	27	A																																												
VF	KH	20																																													
																																															
Högprestandastift	Gängdiameter, längd och nyckelvidd	Värmetal																																													
<p>I..... Iridium med 0.4 mm diameter</p> <p>V..... Iridium med 0.4 mm diameter och platinaspets</p> <p>VF... Iridium med 0.4 mm diameter och platinaspets av nåltyp</p>	<p><Gängdiameter x längd x nyckelvidd (mm)></p> <p>CH... 12x26.5x14.0</p> <p>K... 14x19.0x16.0</p> <p>KA... 14x19.0 (Nya, tre elektroder med hölje)x16.0</p> <p>KB... 14x19.0 (Nya, tre elektroder)x16.0</p> <p>KBH... 14x26.5 (Nya, tre elektroder)x16.0</p> <p>KD... 14x19.0 (Med hölje)x16.0</p> <p>KH... 14x26.5x16.0</p> <p>NH... 10x19.0 (Halv gänga)x16.0</p> <p>T... 14x17.5 (Konat säte)x16.0</p> <p>TF... 14x11.2 (Konat säte)x16.0</p> <p>TL... 14x25.0 (Konat säte, lång isolator)x16.0</p> <p>TV... 14x25.0 (Konat säte)x16.0</p> <p>Q... 14x19.0x16.0</p> <p>U... 10x19.0x16.0</p> <p>UF... 10x12.7x16.0</p> <p>UH... 10x19.0 (Halv gänga)x16.0</p> <p>W... 14x19.0x20.6</p> <p>WF... 14x12.7x20.6</p> <p>WM... 14x19.0x20.6 (Kompakt isolator)</p> <p>X... 12x19.0x18.0</p> <p>XEH... 12x26.5 (Hölje 2.0)x14.0</p> <p>XG... 12x19.0 (Hölje 3.0)x18.0</p> <p>XU... 12x19.0x16.0</p> <p>XUH... 12x26.5x16.0</p> <p>Y... 8x19.0 (Halv gänga)x13.0</p>	<table border="1"> <thead> <tr> <th>DENSO</th> <th>NGK</th> <th>CHAMPION</th> <th>BOSCH</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>5</td> <td>12,11</td> <td>8</td> </tr> <tr> <td>20</td> <td>6</td> <td>10,9</td> <td>7,6</td> </tr> <tr> <td>22</td> <td>7</td> <td>8,7</td> <td>5</td> </tr> <tr> <td>24</td> <td>8</td> <td>6,63,61</td> <td>4</td> </tr> <tr> <td>27</td> <td>9</td> <td>4,59</td> <td>3</td> </tr> <tr> <td>29</td> <td>9.5</td> <td>57</td> <td></td> </tr> <tr> <td>31</td> <td>10</td> <td>55</td> <td>2</td> </tr> <tr> <td>32</td> <td>10.5</td> <td>53</td> <td></td> </tr> <tr> <td>34</td> <td>11</td> <td></td> <td></td> </tr> <tr> <td>35</td> <td>11.5</td> <td></td> <td></td> </tr> </tbody> </table>		DENSO	NGK	CHAMPION	BOSCH	16	5	12,11	8	20	6	10,9	7,6	22	7	8,7	5	24	8	6,63,61	4	27	9	4,59	3	29	9.5	57		31	10	55	2	32	10.5	53		34	11			35	11.5		
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		Form (typ)																																													
		<p>A..... Snedställd elektrod, inget U-spår, ingen koning</p> <p>B..... Utskjutande isolator (1.5 mm)</p> <p>C..... Inget U-spår</p> <p>D..... Inget U-spår, Inconelsidoelektrod</p> <p>E..... Hölje: 2 mm</p> <p>ES... Packning av rostfritt stål</p> <p>F..... Specialmodell</p> <p>G... Packning av rostfritt stål</p> <p>I..... Gnisläge: 4 mm Utskjutande isolator (1.5 mm)</p> <p>J..... Gnisläge: 5 mm</p> <p>K... Gnisläge: 4 mm Utskjutande isolator (2.5 mm)</p> <p>L..... Gnisläge 5 mm</p> <p>T..... För gasmotorer</p> <p>Y..... 0.8 mm elektrodavstånd</p> <p>Z..... Konat</p>																																													

TT

IDENTIFIERA TÄNDSTIFT FRÅN DENSO																			
W	16	TT																	
																			
Gängdiameter, längd och nyckelvidd	Värmetal		Form (typ)																
<p><Gängdiameter x längd x nyckelvidd (mm)></p> <p>W 14x19.0x20.6</p> <p>K..... 14x19.0x16.0</p> <p>KH..... 14x26.5x16.0</p> <p>Q..... 14x19.0x16.0</p> <p>T..... 14x17.5x16.0</p> <p>WF... 14x12.7x20.6</p> <p>TV... 14x25.0x16.0</p>	<table border="1"> <thead> <tr> <th>DENSO</th> <th>NGK</th> <th>CHAMPION</th> <th>BOSCH</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>5</td> <td>12,11</td> <td>8</td> </tr> <tr> <td>20</td> <td>6</td> <td>10,9</td> <td>7,6</td> </tr> <tr> <td>22</td> <td>7</td> <td>8,7</td> <td>5</td> </tr> </tbody> </table>		DENSO	NGK	CHAMPION	BOSCH	16	5	12,11	8	20	6	10,9	7,6	22	7	8,7	5	<p>TT=Två sidoelektroder (1.5mm Nickel CE, 1.5mm GE)</p> <p>CE = Mittelektrod</p> <p>GE = Sidoelektrod</p>
DENSO	NGK	CHAMPION	BOSCH																
16	5	12,11	8																
20	6	10,9	7,6																
22	7	8,7	5																

SE

Serier i Denso:s tändstiftsprogram

Följande översikt sammanställer de olika tändstiftskonfigurationerna i DENSO:s tändstiftsprogram för att underlätta valet av rätt tändstift för varje tillämpning.

Standard



Stift med trippelektrod

Exempel K22PB/W20EPB

- > Sidoelektrod av trippeltyp
- > Längre livslängd
- > För Audi, VW, Citroën, Fiat, Mercedes-Benz, Renault



Sidoelektrod med U-spår

Exempel W16EX-U

- > Sidoelektrod med U-spår ger hög tändenergi
- > Tänder även magra blandningar
- > Helt utskjutande (2,5mm) isolator minskar nedsotning
- > Ger mjuk start och god accelerationsprestanda



Stift med Semi-ytgap för wankelmotorer

Exempel S29A

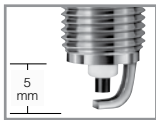
- > Semi-surface gnistgap
- > Ökad tändkapacitet, mindre nedsotning och längre livslängd
- > Mindre spänningsförluster med en konstruktion med 7 räfflor



Förlängt stift

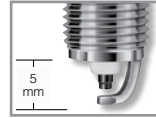
Exempel J16AR-U11

- > Sidoelektrod med U-spår ger överlägsen tändkapacitet
- > Tänder även magra blandningar
- > Gnistläget utökas till tändkammaren för effektivare förbränning, lägre bränsleförbrukning och bättre körbarhet



Exempel KJ20CR11/KJ20CR-U11

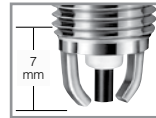
- > Endast för Mazda och Mitsubishi
- > KJ20CR11 har inget U-spår
- > KJ20CR-U11 har ett U-spår



Förlängda stift

Exempel KJ20CR-L11

- > Sidoelektroden är avfasad
- > Tunnare mittelektrod
- > Förbättrad tändkapacitet
- > Endast för angivna fordon



Exempel J16AY

- > Endast för Daihatsu
- > Två sidoelektroder garanterar lång livslängd



Stift med Semi-ytgap

Exempel W20EKR-S11/W20EPR-S11

- > Semi-surface gnistgap ökar tändkapaciteten och minskar nedsotning
- > W20EKR-S11 för Honda
- > W20EPR-S11 för Mitsubishi vehicles



Semi-Surface med dubbel elektrod

Exempel W20ETR-S11

- > Dubbel sidoelektrod med 1mm gnistgap
- > Korta, motstående dubbla sidoelektroder ger utmärkt livslängd
- > Helt utskjutande elektrod förbättrar tändkapaciteten
- > Nytt tilläggsgap förbättrar sotningsbeständigheten
- > Endast för Toyota och Daihatsu



Skärmat, Semi-ytgap och dubbelelektrod

Exempel K20DTR-S11/W20DTR-S11

- > Semi-surface gnistgap
- > Förlängd gängdel in i förbränningskammaren
- > Skärmat för bättre sotbeständighet
- > Endast för Daihatsu och Subaru

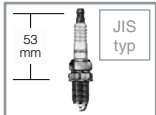


Stjärnformad mittelektrod

Exempel W9LM-US

- > Används för tändstift till små motorer
- > Ger starkare gnista och enklare start
- > Minskad risk för misständning
- > Mindre nedsotning av stiften
- > Sidoelektrod med U-spår

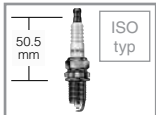
Standard



Litet sexkantsstift

Exempel Q16R-U11/Q16PR-U11

- > Genom minskad sexkantsstorlek (16 mm) har stiftet kunnat göras mindre



ISO-kompatibelt litet sexkantsstift

Exempel K16-RU11/K16PR-U11

- > Kompatibel med ISO-standarder
- > Var försiktig vid isättningen: Isatt höjd är 2,5mm kortare än med Q-typen



Litet stift för småbilar

Exempel XU22EPR-U

- > Passar för småbilar tack vare minskad sexkantsstorlek (16 mm)
- > Gängdiameter 12 mm



Stift med lång inneslutning

Exempel QL20PR-U/QL20TR-S

- > Genom att göra mittcyllindern längre har installationsdimensionerna säkrats
- > QL20TR-S har dubbla sidoelektroder och ett gnistgap av Semi Surface-typ för minskad nedsotning
- > Endast för Daihatsu



Stift med avfasat säte

Exempel T16EPR-U

- > Endast för icke-japanska fordon utan tätningsbricka

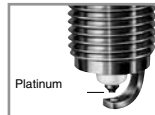


Resistorstift

Minskar mängden radiostörning som genereras vid tändning

- > 5k Ω resistor installerad mellan mittelektroden och mittelektrodens kärna
- > Minskar radiostörningar vid tändning
- > De flesta nya bilar levereras som standard med resistorstift

Platinum



(Platinum)

Exempel PK20R11

- > Platinum i både mitt- och sidoelektroden
- > tunn mittelektrod och platinumpets ger lägre bränsleförbrukning, körbarhet och längre livslängd



Platinumstift för DLI (+ urladdning)

Exempel PK20R-P11

- > Större platinumyta förhindrar slitage vid plus (+) urladdning



Förlängd platinumstift

Exempel PKJ20CR-L11

- > Gnistläget förlängt in i förbränningskammaren
- > Effektivare förbränning
- > Minskad bränsleförbrukning och ökad körbarhet



Dubbel platinumelektrod

Exempel PK20TR11

- > Delarna till mittelektroden som sitter mitt emot sidoelektroden har platinumpets
- > Konstruktion med dubbel elektrod Kräver lägre spänning vid plusurladdning (+)



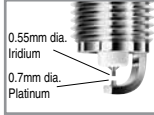
Platinumstift med en sida

Exempel Q20PR-P11/K16PR-TP11

- > Endast mittelektroden har platinumpets, vilket ger en tunn elektrod
- > Lägre bränsleförbrukning, bättre körbarhet och längre livslängd
- > Sidoelektroden är avfasad för bättre tändkapacitet

SE

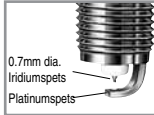
Iridium



Super Ignition Iridium Plug

Exempel FK20HR11

- > Revolutionerande DENSO-teknologi
- > Nålförmad sidoelektrod
- > Ööverträffad nedkylningsreducering



OE Iridium

Exempel SK16R-P11/SK20R11

- > Världens första elektrod med Iridiumlegering och en diameter på 0,7 mm, utvecklad av DENSO
- > Dramatiskt förbättrad tändkapacitet och livslängd



Iridium Power

Exempel IK20

- > Ultratunn mittelektrod i Iridium ger betydligt bättre tändkapacitet och minskar gnistspänningsbehovet.
- > Utskjutande mittelektrod på de flesta stifttyper.
- > Sidoelektrod med U-spår på nästan alla stifttyper.
- > Avfasad sidoelektrod på nästan alla stifttyper



Iridium Tough

Exempel VK20

- > Ultratunn mittelektrod i Iridium med 0,4mm diameter ger betydligt bättre tändkapacitet och kräver lägre spänning.
- > Sidoelektrod med platinuspets ger ökad livslängd.



Iridium Tough med med dubbla nålar

Exempel VFKH20

- > 0,7 mm nålförmad sidoelektrod av platina ger bättre förbränning och acceleration.
- > 0,4 mm ultratunn mittelektrod av iridium ger betydligt bättre tändkapacitet.

TT



TT tändstift

- > världens första fintrådiga tändstift utan ädelmetall i elektroderna
- > med nickellegerad mittelektrod och 'dubbel' sidoelektrod med en mindre diameter på 1,5 mm
- > minskar koldioxidutsläppen
- > betydligt lägre bränsleförbrukning

SE

Iridium Power

Med världens första mittelektrod i Iridium, med en diameter på 0,4 mm, har Iridium Power en superb tändkapacitet och kräver låg spänning, vilket ökar bilens prestanda:

> Högre effekt

Iridium Power kräver relativt låg spänning och har hög tändkapacitet, vilket ger färre misständningar och ingen hackning, vilket resulterar i markant bättre förbränning. Därmed ökar motoreffekten.

> Snabbare acceleration

Med stabil hög tändkapacitet förbättras accelerationsprestandan dramatiskt.

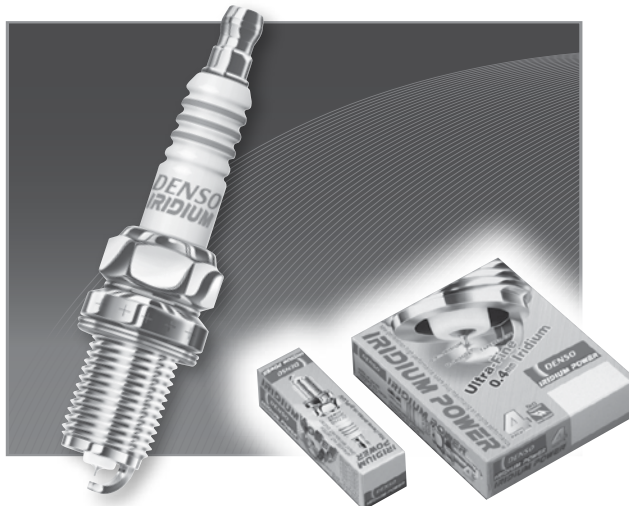
> Mer kraft

Mittelektroden på 0,4 mm ökar motorkraften under olika körförhållanden

> Lägre bränsleförbrukning

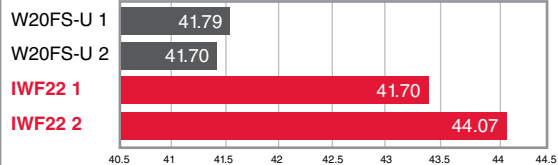
Även på tongång uppnås en bättre effekt, med lägre bränsleförbrukning och ljudnivå som följd

IRIDIUM POWER®



Bränsleförbrukningstest

Data: Jämförelsetest genomförd inom företaget



Testfordon:

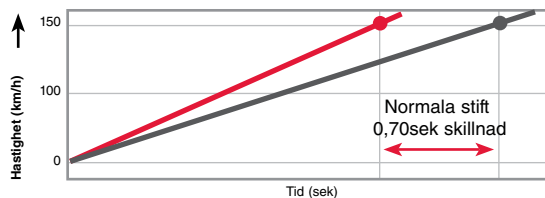
> Honda DIO (2-takt, encylindrig, luftkyld 50 cc)

Testförhållanden:

> Hastighet 30 km/h, nettovikt 120 kg. Mätningstid 10 minuter.
Kyllufthastighet 30 km/h.

Iridium Power, bättre acceleration

Data: Jämförelsetest genomförd inom företaget



Testfordon:

> 250cc (2-takt vattenkyld, V2-cylindrar)

Testförhållanden:

> Fast på 6-ans växel, fullgasacceleration från 50 km/h med hjälp automatisk körenhet.

Spark Plugs | Iridium tändstift

SE

Iridium Racing

Toppresultat på tävlingsbanan!

Använd Iridium Racing och upplev körning som aldrig förr.

- > **Högre effekt**
Mer kraft med en idealisk förbränningscykel.
- > **Snabbare acceleration**
Oslagbar accelerationsprestanda på banan.

IRIDIUM RACING®



Tid till 100 km/h (s) *

Tändstift	13.9	14.0
IRIDIUM RACING	13.950	
Vanligt tävlingsstift (0,8 mm elektrod)	13.985	

Testfordon:

- > 250cc (2-takts vattenkyld, 2 cylindrar)

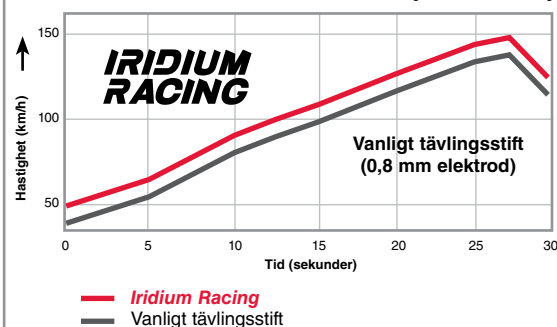
Testförhållanden:

- > R/L 50 km, sedan acceleration i 27 sekunder vid full gas (låst på 6:ans växel)

* Informationen som visas kommer från interna tester.
Det "standardtändstift" som hänvisas till här är också en DENSO-produkt.

Iridium Racing, bättre acceleration

Data: Jämförelsetest genomförd inom företaget



Różnica DENSO

DENSO wyznacza standardy dla technologii świec zapłonowych od 1959 roku. Wszystkie typoszerokie naszych produktów opracowujemy w firmie i produkujemy, we własnych fabrykach z certyfikatami QS 9000 ISO 9000 - przestrzegając normy "zero usterek". Tę wyjątkową jakość OE dostarczamy również na rynek wtórny. Oferta świec zapłonowych DENSO, w której skład wchodzi świece standardowe, platynowe, irydowe, świece TT obejmuje cały zakres ciągle aktualizowanych pozycji. Wybierz świece zapłonowe DENSO, które gwarantują wysokie osiągi silnika dla każdego samochodu, motocykla, łodzi i innych urządzeń z małymi silnikami

Zakres

Standard

- > Uszczelka miedziano-szklana poprawia rozproszenie ciepła
- > Standardowy rowek U
- > Głęboko umieszczony rdzeń miedziany
- > Termoodporna powłoka niklowa

Iridium Power

- > Doskonały zapłon
- > Niskie wymagane napięcie
- > Lepsza reakcja podczas przyspieszania i stabilność pracy
- > Zmniejszone zużycie paliwa
- > Dłuższa żywotność

Iridium Racing

- > Technologia F1
- > Najwyższe przyspieszenie
- > Wysoka niezawodność
- > Podwyższone osiągi

	Standardowa	Irydowa	
Typ	Standard	Iridium Power	Iridium Racing
Rowek U	+ ¹	+ ²	-
Elektroda masy ścięta stożkowo	Niektóre typy ³	+ ²	-
Materiał a elektroda masy	Normalna	Normalna	Cała platynowa
Elektroda środkowa	2.5 mm	0.4 mm	0.4 mm ⁴
Wartość cieplna	9-27	16-34	24-35
Rezystor	Większość typów	Wszystkie typy	Wszystkie typy
Podwyższone parametry	+	++++	+++++
Oszczędność paliwa	Dobra	Najlepsza	-
Żywotność	Standardowa	Standardowa	Wyłącznie do wyścigów

¹ Świece zapłonowe bez litery U w kodzie nie mają na elektrodzie rowka U

² Nie dotyczy IU24A, IU27A, IU31A, IUF27A i IUF31A

³ Świece zapłonowe z literą Z w kodzie mają elektrodę masy ze ścięciem stożkowym

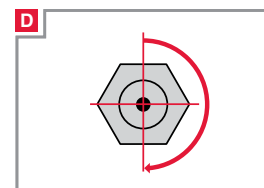
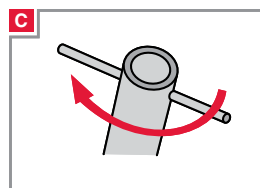
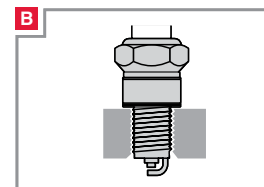
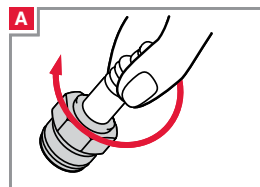
⁴ Z wyjątkiem świec z wyładowaniem powierzchniowym

PL

MONTAŻ ŚWIECY ZAPŁONOWEJ

Zalecane momenty i kąty dokręcania dla świec zapłonowych DENSO

1. Używać właściwego klucza do sześciokątnego elementu korpusu świecy i zachować ostrożność, aby nie uszkodzić izolatora.
2. Podczas wymiany zadbać o to, aby olej itp. substancje znajdujące się na zewnątrz świecy nie dostały się do silnika.
3. Przy wkładaniu świecy, oczyścić kołnierz od strony silnika i włożyć świecę po uprzednim sprawdzeniu, że w kołnierzu znajduje się uszczelka.
4. Upewnić się, że świece są ustawione pionowo i dokręcić je ręką do oporu (A+B).
5. Następnie użyć klucza do świec, aby dokręcić je dokładnie zalecanym momentem lub o kąt podany w poniższej tabeli (C+D).



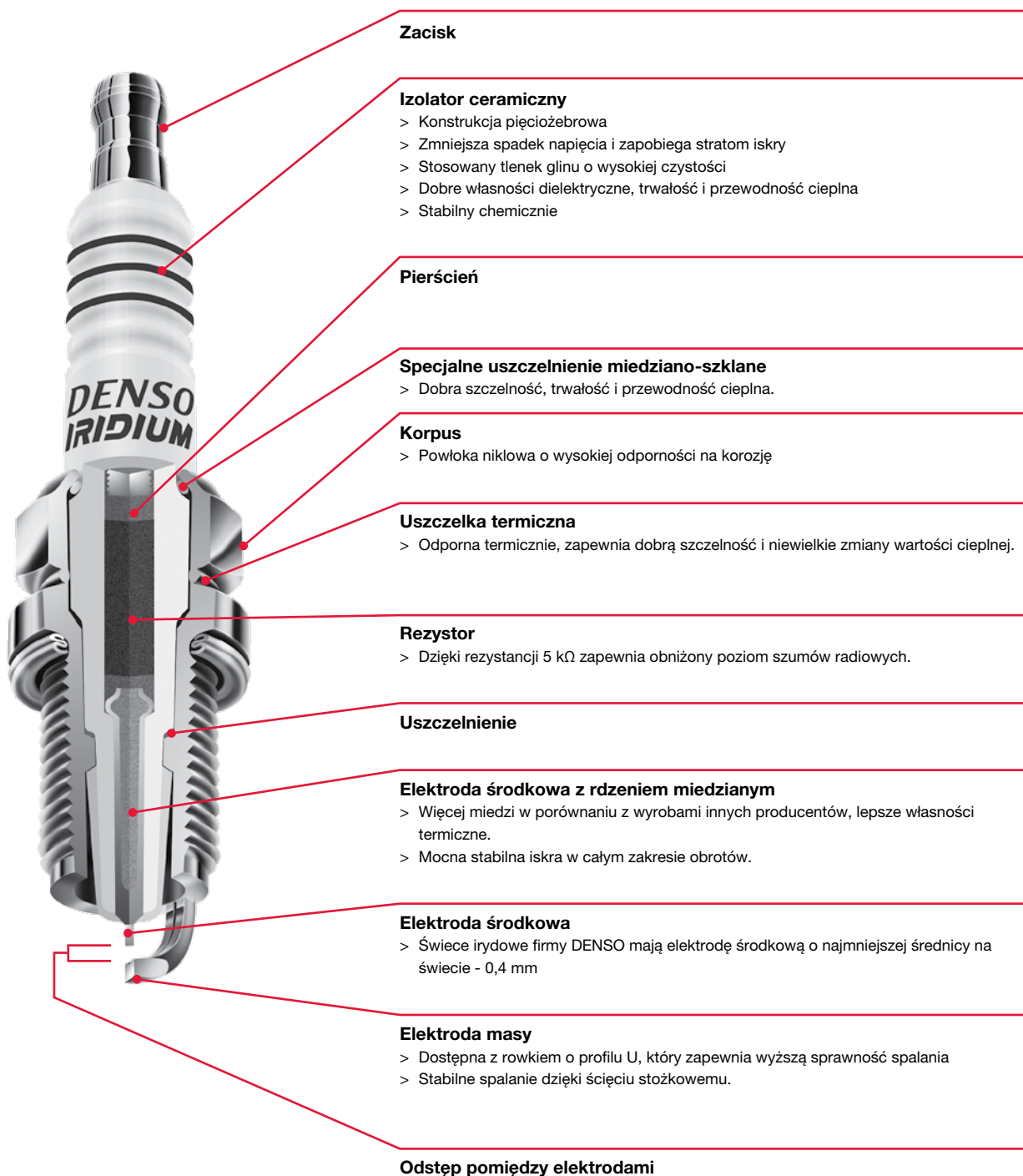
ZALECANE MOMENTY DOKRĘCANIA					
Rozmiar gwintu	Zalecany moment	Zalecany kąt		Zalecany moment	Zalecany kąt
		Nowa świeca	Używana świeca		
Uszczelka	M8 typ Y	8-10 Nm	± 1 obr.	± 1/12 obr.	
	M10 typ U, N	10-15 Nm	± 2/3 obr.	± 1/12 obr.	
	M10 Uszczelka ze stali nierdzewnej	10-15 Nm	± 3/4 obr.	± 1/12 obr.	
	M12 typ SXU, X, XE, XU, ZXE, Z XU	15-20 Nm	± 1/3 obr.	± 1/12 obr.	
	M14 typ FK, J, K, KJ, P, PK, PKJ, PQ, Q, QJ, QL, S, SF, SK, SKJ, SV, SVK, VK, VKJ, W, ZT	20-25 Nm	± 1/2 obr.	± 1/12 obr.	
	M14 Uszczelka ze stali nierdzewnej	20-25 Nm	± 2/3 obr.	± 1/12 obr.	
	M18 typ L, M, MA, MW	30-40 Nm	± 1/4 obr.	± 1/12 obr.	
Uszczelnienie stożkowe	M14 typ PT, PTJ, T	20-30 Nm	± 1/16 obr.	± 1/16 obr.	
	M18 typ MA	30-40 Nm	± 1/4 obr.	± 1/12 obr.	



Jeśli gwint pokryty jest środkiem smarnym, przestrzeganie zalecanego momentu dokręcania oznacza nadmierne dokręcenie; prowadzi to do nieszczelności uszczelki. Nie wolno używać środka smarnego do gwintów.

Przekroczenie kątów lub momentów dokręcania podanych w powyższej tabeli może spowodować uszkodzenie silnika a dodatkowo do przekręcenia gwintu świecy.

Charakterystyka świecy zapłonowej




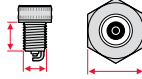


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Świece irydowe/ platynowe / standardowe

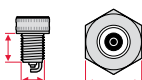


ŚWIECE ZAPŁONOWE DENSO																																																														
	W	16	E	XR	-U	11																																																								
	K	20		PR	-A	11																																																								
	XU	22	H	CR	-11S																																																									
Rodzaj metalu szlachetnego	Średnica gwintu oraz rozwarłośc klucza	Wartość cieplna			Długość	Kształt (Typ)	Odstęp pomiędzy elektrodami																																																							
<p>D elektroda środkowa irydowa o średnicy 0.7 mm; elektroda masowa z igłą platynową</p> <p>F elektroda środkowa irydowa o średnicy 0.55 mm; elektroda masowa z igłą platynową</p> <p>P elektroda środkowa platynowa o średnicy 1.1 mm; elektroda masowa z końcówką platynową</p> <p>S elektroda środkowa irydowa o średnicy 0.7 mm; elektroda masowa z końcówką platynową</p> <p>SV elektroda środkowa irydowa o średnicy 0.4 mm; elektroda masowa z końcówką platynową</p> <p>Z elektroda środkowa irydowa o średnicy 0.55 mm; elektroda masowa z końcówką platynową</p>	<p>C 12×14.0</p> <p>L 18×22.2 (Długość: 12.7 mm)</p> <p>M 18×25.4 (Długość: 12 mm)</p> <p>MA 18×20.6 (Gniazdo stożkowe, długość: 12 mm)</p> <p>MW 18×20.6 (Długość: 12 mm)</p> <p>J 14×20.6 (Świeca z wysuniętym punktem iskrzenia)</p> <p>K 14×16.0 (Świeca miniaturowa)</p> <p>KJ 14×16.0 (Świeca miniaturowa z wysuniętym punktem iskrzenia)</p> <p>LP 14×20.6 (Świeca do zastosowań LPG)</p> <p>Q 14×16.0 (Świeca miniaturowa)</p> <p>QJ 14×16.0 (Świeca miniaturowa z wysuniętym punktem iskrzenia)</p> <p>QL 14×20.6 (Miniaturowa świeca do długiej budowy cylindra)</p> <p>S 14×20.6 (Świeca z przerwą powierzchniową (do silników RE))</p> <p>T 14×16.0 (Gniazdo stożkowe)</p> <p>W 14×20.6 (Typ kompaktowy)</p> <p>X 12×18.0</p> <p>XE 12×14.0</p> <p>XU 12×16.0</p> <p>N 10×16.0</p> <p>U 10×16.0</p> <p>Y 8×13.0</p>	<table border="1"> <tr> <th>DENSO</th> <th>NGK</th> <th>CHAMPION</th> <th>BOSCH</th> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>9</td> <td>2</td> <td>18</td> <td>10</td> </tr> <tr> <td>14</td> <td>4</td> <td>16,14</td> <td>9</td> </tr> <tr> <td>16</td> <td>5</td> <td>12,11</td> <td>8</td> </tr> <tr> <td>20</td> <td>6</td> <td>10,9</td> <td>7,6</td> </tr> <tr> <td>22</td> <td>7</td> <td>8,7</td> <td>5</td> </tr> <tr> <td>24</td> <td>8</td> <td>6,63,61</td> <td>4</td> </tr> <tr> <td>27</td> <td>9</td> <td>4,59</td> <td>3</td> </tr> <tr> <td>29</td> <td>9.5</td> <td>57</td> <td></td> </tr> <tr> <td>31</td> <td>10</td> <td>55</td> <td>2</td> </tr> <tr> <td>32</td> <td>10.5</td> <td>53</td> <td></td> </tr> <tr> <td>34</td> <td>11</td> <td></td> <td></td> </tr> <tr> <td>35</td> <td>11.5</td> <td></td> <td></td> </tr> </table>	DENSO	NGK	CHAMPION	BOSCH	4				9	2	18	10	14	4	16,14	9	16	5	12,11	8	20	6	10,9	7,6	22	7	8,7	5	24	8	6,63,61	4	27	9	4,59	3	29	9.5	57		31	10	55	2	32	10.5	53		34	11			35	11.5			<p>A 19.0 mm (Położenie iskry: 7.0 mm) J16AR-U11</p> <p>A 21.5 mm S29A</p> <p>B 19.0 mm (Położenie iskry: 9.5 mm) J16BR-U</p> <p>C 19.0 mm (Położenie iskry: 5.0 mm) KJ20CR-L11</p> <p>D 19.0 mm (Osłona 2) K20DTR-S11</p> <p>E (Z uszczelką) 19.0 mm W16EX-U</p> <p>E (Z uszczelką) 20.0 mm W25EBR</p> <p>E (Gniazdo stożkowe) 19.0 mm T16EPR-U</p> <p>F 12.7 mm W20FP-U</p> <p>FE 19.0 mm (Gwint do połowy) U24FER9</p> <p>G 19.0 mm (Osłona 3.5) PK20GR8</p> <p>G 19.0 mm (Osłona 3) X27GPR-U</p> <p>H 26.5 mm QJ16HR-U</p> <p>H 19.0 mm (Położenie iskry: 8.5 mm) K16HPR-U11</p> <p>L 11.2 mm W14L</p> <p>N (Gniazdo stożkowe, gwint do połowy) 17.5 mm T20NR-U11</p> <p>V (Gniazdo stożkowe) 25.0 mm PT16VR13</p> <p>Brak 9.5 mm W14M-U 11.2 mm L14-U, M24S 19.0 mm SK20R11 21.5 mm S29A</p> <p>Brak (Gniazdo stożkowe) 8.3 mm T20M-U 11.2 mm T16PR-U</p>	<p>A Dwie elektrody masowe W22EA</p> <p>AY Dwie elektrody masowe - wygięte J16AY</p> <p>B Trzy elektrody masowe W22EB</p> <p>BG Trzy elektrody masowe (z osłoną) SK20BGR11</p> <p>C Osłona 1.5 mm SXU22HCR11</p> <p>D 4 elektrody masy W27EDR</p> <p>D Wysunięte (wysunięcie 1.5 mm, położenie iskry 3.5 mm) XU22HDR9</p> <p>E Osłona 2.0 mm FXE20HE11</p> <p>K Wysunięcie izolatora 1 mm W16EKR-S11</p> <p>LM Typ kompaktowy (Rozwarłośc klucza 20.6 mm) W14LM-U</p> <p>M Krótsza długość głowicy izolatora W27EMR-C</p> <p>M Typ kompaktowy (Rozwarłośc klucza 19.0 mm) W20M-U</p> <p>P Wysunięte (wysunięcie 1.5 mm) W16EP-U</p> <p>Q Wysunięte 2 mm, położenie iskry 3.5 mm</p> <p>R Rezystor 5k ohm K16R-U</p> <p>S Niewysunięte (wysunięte 0 mm) W22ES-U</p> <p>S Irydowe z jednej strony KJ20SR11</p> <p>T Dwie elektrody masowe K16TR11</p> <p>TM Dwie elektrody masowe K22TMR11</p> <p>TN Dwie elektrody masowe K22TNR-S</p> <p>X W pełni wysunięte (wysunięte 2.5 mm) W16EX-U</p>	<p>-A Specjalna specyfikacja SK16PR-A11</p> <p>-B Specjalna specyfikacja K16PSR-B8</p> <p>-C Skrócone elektrody masowe W27EMR-C</p> <p>-D Elektroda masowa z miedzianym rdzeniem DK20PR-D13</p> <p>-E Specjalna specyfikacja SK16PR-E11</p> <p>-F Specjalna specyfikacja SK16PR-F11</p> <p>-G Smar na gwincie dla CNG SK20R8-G</p> <p>-GL Platynowa elektroda środkowa X22EPR-GL</p> <p>-L Zarodoporna elektroda masy K20PR-L11</p> <p>-L Izolator wysunięty 3.5 mm (do motocykli) W20FP-UL</p> <p>-L Izolator cofnięty, (do motocykli) W20FR-L</p> <p>-M Większa elektroda masowa SK20PR-M11S</p> <p>-N Do marek Yamaha i Kawasaki U27ESR-N</p> <p>-P Podwójna warstwa platyny na elektrodzie masowej SK20R-P11</p> <p>-P Świeca platynowa - pojedyncza platyna K16PR-P11</p> <p>-R Opornik 10K ohm K22PR-UR</p> <p>-S Szczelina Semi-Surface W20EP-S11</p> <p>-S Uszczelka ze stali nierdzewnej U27FER9S</p> <p>-T Dla LPG SK20HR8-T</p> <p>-T Specjalna specyfikacja FK20HBR11-T</p> <p>-TP Platynowa elektroda środkowa, Stożkowa elektroda środkowa K20PR-TP11</p> <p>-U Elektroda masowa z rowkiem w kształcie U K16PR-U</p> <p>-US Gwiazdzista elektroda środkowa W20M-US</p> <p>-V Średnica 1.3mm, niklowa elektroda środkowa W27ES-V</p>	<p>5 0.5 mm (.020")</p> <p>8 0.8 mm (.032")</p> <p>9 0.9 mm (.035")</p> <p>10 1.0 mm (.040")</p> <p>11 1.1 mm (.044")</p> <p>13 1.3 mm (.050")</p> <p>14 1.4 mm (.055")</p> <p>15 1.5 mm (.060")</p> <p><Brak></p> <p>Samochody: 0.8 mm</p> <p>Motocykle: 0.7 mm</p> <p><Wyjątki>: P16R, PQ16R, PQ20R: 1.1 mm</p>
	DENSO	NGK	CHAMPION	BOSCH																																																										
	4																																																													
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PL

IRIDIUM POWER® Typoszeregi świec irydowych (Power, Tough, Plus)

ŚWIECE ZAPŁONOWE DENSO																																															
I VF	U KH	27 20	A																																												
																																															
Świeca dużej wydajności	Średnica gwintu, długość i rozwartość klucza	Wartość cieplna	Kształt (typ)																																												
<p>I..... Irydowa elektroda środkowa o średnicy 0.4 mm</p> <p>V..... Irydowa elektroda środkowa o średnicy 0.4 mm z końcówką platynową</p> <p>VF... Irydowa elektroda środkowa o średnicy 0.4 mm z igłą platynową</p>	<p><Średnica gwintu x długość x rozwartość klucza (mm)></p> <p>CH... 12x26.5x14.0</p> <p>K... 14x19.0x16.0</p> <p>KA... 14x19.0 (Nowa potrójna elektroda w osłonie)x16.0</p> <p>KB... 14x19.0 (Nowe potrójne elektrody)x16.0</p> <p>KBH... 14x26.5 (Nowe potrójne elektrody)x16.0</p> <p>KD... 14x19.0 (W osłonie)x16.0</p> <p>KH... 14x26.5x16.0</p> <p>NH... 10x19.0 (Gwint do połowy)x16.0</p> <p>T... 14x17.5 (Gniazdo stożkowe)x16.0</p> <p>TF... 14x11.2 (Gniazdo stożkowe)x16.0</p> <p>TL... 14x25.0 (Gniazdo stożkowe, długi izolator)x16.0</p> <p>TV... 14x25.0 (Gniazdo stożkowe)x16.0</p> <p>Q... 14x19.0x16.0</p> <p>U... 10x19.0x16.0</p> <p>UF... 10x12.7x16.0</p> <p>UH... 10x19.0 (Gwint do połowy)x16.0</p> <p>W... 14x19.0x20.6</p> <p>WF... 14x12.7x20.6</p> <p>WM... 14x19.0x20.6 (Kompaktowy izolator)</p> <p>X... 12x19.0x18.0</p> <p>XEH... 12x26.5 (Osłona 2.0)x14.0</p> <p>XG... 12x19.0 (Osłona 3.0)x18.0</p> <p>XU... 12x19.0x16.0</p> <p>XUH... 12x26.5x16.0</p> <p>Y... 8x19.0 (Gwint do połowy)x13.0</p>	<table border="1"> <thead> <tr> <th>DENSO</th> <th>NGK</th> <th>CHAMPION</th> <th>BOSCH</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>5</td> <td>12,11</td> <td>8</td> </tr> <tr> <td>20</td> <td>6</td> <td>10,9</td> <td>7,6</td> </tr> <tr> <td>22</td> <td>7</td> <td>8,7</td> <td>5</td> </tr> <tr> <td>24</td> <td>8</td> <td>6,63,61</td> <td>4</td> </tr> <tr> <td>27</td> <td>9</td> <td>4,59</td> <td>3</td> </tr> <tr> <td>29</td> <td>9.5</td> <td>57</td> <td></td> </tr> <tr> <td>31</td> <td>10</td> <td>55</td> <td>2</td> </tr> <tr> <td>32</td> <td>10.5</td> <td>53</td> <td></td> </tr> <tr> <td>34</td> <td>11</td> <td></td> <td></td> </tr> <tr> <td>35</td> <td>11.5</td> <td></td> <td></td> </tr> </tbody> </table>	DENSO	NGK	CHAMPION	BOSCH	16	5	12,11	8	20	6	10,9	7,6	22	7	8,7	5	24	8	6,63,61	4	27	9	4,59	3	29	9.5	57		31	10	55	2	32	10.5	53		34	11			35	11.5			<p>A..... Elektroda pochyla, brak rowka w kształcie U, brak ścięcia na elektrodzie masowej</p> <p>B... Wysunięty izolator (1.5 mm)</p> <p>C... Brak rowka w kształcie U</p> <p>D... Brak rowka w kształcie U, elektroda masowa z inconelu</p> <p>E..... Osłona: 2 mm</p> <p>ES.. Uszczelka ze stali nierdzewnej</p> <p>F..... Specjalna specyfikacja</p> <p>G... Uszczelka ze stali nierdzewnej</p> <p>I..... Położenie iskry: 4 mm Wysunięty izolator (1.5 mm)</p> <p>J..... Położenie iskry: 5 mm</p> <p>K... Położenie iskry: 4mm Wysunięty izolator (2.5 mm)</p> <p>L..... Położenie iskry: 5 mm</p> <p>T..... Do zastosowań LPG</p> <p>Y..... Odstęp pomiędzy elektrodami 0.8 mm</p> <p>Z..... Ścięcia stożkowe</p>
DENSO	NGK	CHAMPION	BOSCH																																												
16	5	12,11	8																																												
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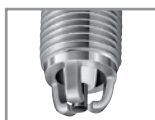
TT

ŚWIECE ZAPŁONOWE DENSO																			
W	16	TT																	
																			
Średnica gwintu, długość i rozwartość klucza	Wartość cieplna	Kształt (typ)																	
<p><Średnica gwintu x długość x rozwartość klucza (mm)></p> <p>W14x19.0x20.6</p> <p>K.....14x19.0x16.0</p> <p>KH....14x26.5x16.0</p> <p>Q.....14x19.0x16.0</p> <p>T.....14x17.5x16.0</p> <p>WF...14x12.7x20.6</p> <p>TV....14x25.0x16.0</p>	<table border="1"> <thead> <tr> <th>DENSO</th> <th>NGK</th> <th>CHAMPION</th> <th>BOSCH</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>5</td> <td>12,11</td> <td>8</td> </tr> <tr> <td>20</td> <td>6</td> <td>10,9</td> <td>7,6</td> </tr> <tr> <td>22</td> <td>7</td> <td>8,7</td> <td>5</td> </tr> </tbody> </table>	DENSO	NGK	CHAMPION	BOSCH	16	5	12,11	8	20	6	10,9	7,6	22	7	8,7	5	<p>TT=Twin Tip (podwójne cienkie elektrody) (1.5mm Nikiel CE, 1.5mm GE)</p> <p>CE = Elektroda środkowa</p> <p>GE = Elektroda masy</p>	
DENSO	NGK	CHAMPION	BOSCH																
16	5	12,11	8																
20	6	10,9	7,6																
22	7	8,7	5																

Typszeregi w programie świec zapłonowych Denso

Poniższy przegląd stanowi podsumowanie różnych konfiguracji w programie świec zapłonowych DENSO i ułatwia wybór właściwej świecy dla każdego zastosowania.

Standard



Świeca trójelektrodowa

Przykład K22PB/W20EPB

- > Trzy elektrody masy
- > Podwyższona żywotność
- > Dla Audi, VW, Citroën, Fiat, Mercedes-Benz, Renault



Świeca z rowkiem U

Przykład W16EX-U

- > Elektroda masy z rowkiem U zapewnia wysoką energię zapłonu
- > Łatwy zapłon nawet przy ubogiej mieszance
- > Całkowicie wysunięta (wysunięcie izolatora 2,5 mm), więc ogranicza osadzanie nagaru
- > Płynny rozruch i dobre przyspieszenie



Świeca zapłonowa Semi Surface dla silników Wankla

Przykład J16AY

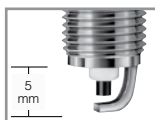
- > Wyładowanie półpowierzchniowe
- > Podwyższona zapłonność, odporność na zanieczyszczenia i trwałość.
- > Zmniejszona utrata napięcia dzięki konstrukcji siedmiozębrowej



Świeca z wysuniętymi elektrodami

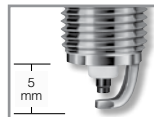
Przykład J16AR-U11

- > Elektroda masy z rowkiem U zapewnia doskonałą sprawność zapłonową
- > Łatwy zapłon nawet przy ubogiej mieszance
- > Punkt wytwarzania iskry wysunięty do komory spalania zapewnia wyższą sprawność spalania, lepszą zdolność jezdną i zmniejszone zużycie paliwa



Przykład KJ20CR11/KJ20CR-U11

- > Wyłącznie dla samochodów Mazda i Mitsubishi
- > KJ20CR11 nie ma rowka U
- > KJ20CR-U11 ma rowek U



Świeca z wysuniętymi elektrodami

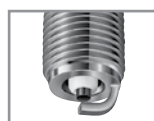
Przykład KJ20CR-L11

- > Elektroda masy ścięta stożkowo
- > Elektroda środkowa o mniejszej średnicy
- > Podwyższona zapłonność
- > Wyłącznie dla określonych pojazdów



Przykład J16AY

- > Wyłącznie dla Daihatsu
- > Dwie elektrody masy zapewniają dłuższą żywotność



Świeca zapłonowa Semi Surface

Przykład W20EKR-S11/W20EPR-S11

- > Wyładowanie półpowierzchniowe zwiększa zapłonność i odporność na zanieczyszczenia
- > W20EKR-S11 dla pojazdów Honda
- > W20EPR-S11 dla pojazdów Mitsubishi



Dwuelektrodowa świeca Semi Surface

Przykład W20ETR-S11

- > Podwójna elektroda masy z odstępem pomiędzy elektrodami 1 mm
- > Krótkie, naprzeciwległe elektrody masy zapewniają wyjątkowo długą żywotność
- > Pełne wysunięcie poprawia zapłonność
- > Nowa dodatkowa szczelina poprawia odporność na zanieczyszczenia
- > Wyłącznie dla Toyoty i Daihatsu



Dwuelektrodowa świeca Semi Surface z osłoną

Przykład K20DTR-S11/W20DTR-S11

- > Konstrukcja przystosowana do wyładowania półpowierzchniowego
- > Końcówka części gwintowanej wysunięta do komory spalania
- > Wyposażona w osłonę zwiększającą odporność na zanieczyszczenia
- > Wyłącznie dla Daihatsu i Subaru



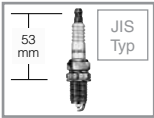
Elektroda środkowa o przekroju gwiazdowym

Przykład W9LM-US

- > Stosowana w małych silnikach
- > Wytwarza mocniejszą iskry i ułatwia rozruch
- > Zmniejsza prawdopodobieństwo wypadania zapłonów
- > Zmniejsza zanieczyszczenie nagarem
- > Z elektrodą masy z rowkiem w kształcie U

PL

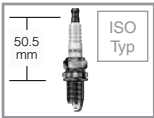
Standard



Mała świeca sześciokątna

Przykład Q16R-U11/Q16PR-U11

- > Dzięki zredukowaniu rozmiaru części sześciokątnej (16 mm) świeca jest mniejsza



Małe świece sześciokątne zgodne z ISO

Przykład K16-RU11/K16PR-U11

- > Zgodne ze normami ISO
- > Ostrożnie: wysokość montażowa mniejsza o 2,5 mm od typu Q



Małe świece dla małych samochodów

Przykład XU22EPR-U

- > Dzięki zredukowaniu rozmiaru części sześciokątnej (16 mm) świeca zapłonowa staje się kompatybilna z małymi samochodami
- > Rozmiar gwintu 12mm



Świece z długim korpusem

Przykład QL20PR-U/QL20TR-S

- > Przez wydłużenie środkowego cylindra zagwarantowano wymiary montażowe
- > QL20TR-S posiada dwie elektrody masy z wyładowaniem półpowierzchniowym zapewniającym podwyższoną odporność na zanieczyszczenia
- > Wyłącznie dla Daihatsu



Świeca z gniazdem stożkowym

Przykład T16EPR-U

- > Wyłącznie dla pojazdów produkowanych poza Japonią nieposiadających uszczelki

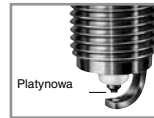


Świece z rezystorem

Zmniejszają zakłócenia radiowe generowane w czasie zapłonu

- > Rezystor 5 k między elektrodą środkową a rdzeniem elektrody środkowej
- > Zmniejsza zakłócenia radiowe podczas zapłonu
- > Większość nowych samochodów jest standardowo wyposażona w świecę z rezystorem)

Platinum



Świece platynowe

Przykład PK20R11

- > Z platyny wykonana jest zarówno elektroda środkowa jak i końcówka na elektrodzie masy
- > Elektroda środkowa o małej średnicy i z końcówką platynową zmniejsza zużycie paliwa, poprawia zdolność jezdną i żywotność



Świece platynowe dla DLI (wyładowanie +)

Przykład PK20R-P11

- > Zwiększony rozmiar części platynowej zapobiega zużyciu podczas wyładowania dodatniego (+)



Świece platynowe z wysuniętymi elektrodami

Przykład PKJ20CR-L11

- > Punkt wytwarzania iskry wysunięty do komory spalania
- > Podwyższona sprawność spalania
- > Zmniejszone zużycie paliwa i podwyższona zdolność jezdna



Dwuelektrodowe świece

Example PK20TR11

- > Części elektrody środkowej od strony elektrod bocznych są pokryte platyną
- > Konstrukcja z dwoma elektrodami wymaga niższego napięcia podczas rozładowania dodatniego (+)



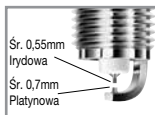
Świeca zapłonowa z pojedynczą elektrodą platynową

Przykład Q20PR-P11/K16PR-TP11

- > Tylko elektroda środkowa z końcówką platynową, pozwalającą na małą średnicę
- > Zmniejszone zużycie paliwa
- > Elektroda masy ze ścięciem stożkowym zapewniająca podwyższoną zapłonność

PL

Iridium



Świece irydowe Super Ignition Plug

Przykład FK20HR11

- > Rewolucyjna technologia DENSO
- > Elektroda masy w kształcie iglicy
- > Mniejsze straty ciepłe



Świece irydowe OE

Przykład SK16R-P11/SK20R11

- > Pierwsza na świecy ultra cienka elektroda ze stopu irydu o średnicy 0,7 mm, opracowana przez DENSO
- > Zasadniczo podwyższona zapłonność i żywotność



Iridium Power

Przykład IK20

- > Ultra cienka irydowa elektroda środkowa o średnicy 0,4 mm znacząco poprawia zapłonność i zmniejsza wymagane napięcie.
- > Większość typów z wysuniętą elektrodą środkową.
- > Większość typów z elektrodą masy z rowkiem U
- > Większość typów ze ściętą stożkowo elektrodą masy



Iridium Tough

Przykład VK20

- > Ultracienka irydowa elektroda środkowa o średnicy 0,4 mm znacząco poprawia zapłonność i zmniejsza wymagane napięcie.
- > Elektroda masy z końcówką platynową zapewnia długą żywotność.



Iridium Tough Double Needle

Przykład VFKH20

- > Platynowa igłowa elektroda masowa o średnicy 0,7 mm poprawia spalanie i przyspieszenie.
- > Wyjątkowo cienka irydowa elektroda środkowa o średnicy 0,4mm znacznie poprawia zapłonność.

TT



Świeca zapłonowa TT

- > Pierwsza świeca zapłonowa z cienkimi elektrodami bez metali szlachetnych
- > Ze środkową elektrodą wykonaną ze stopu niklowego i wysuniętą elektrodą masy o zmniejszonej średnicy 1,5 mm
- > Obniża emisję dwutlenku węgla
- > Radykalnie zmniejsza zużycie paliwa

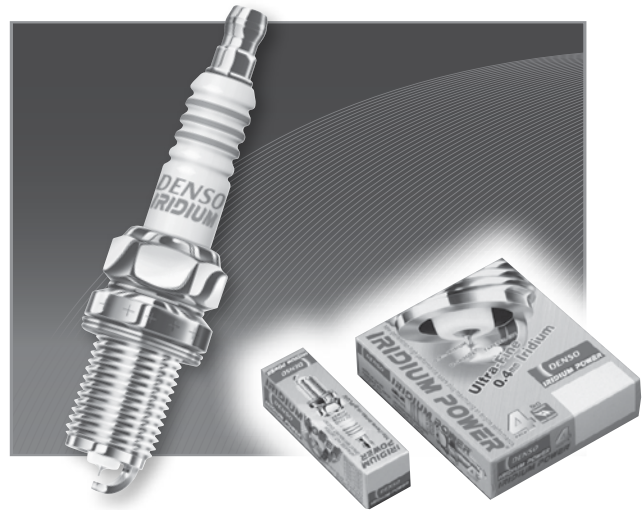
PL

Iridium Power

Świece Iridium Power, z pierwszą na świecie irydową elektrodą środkową o średnicy 0,4 mm, cechuje doskonała zapłonność i niższe wymagane napięcie, które pozwalają uzyskać lepsze osiągi pojazdu:

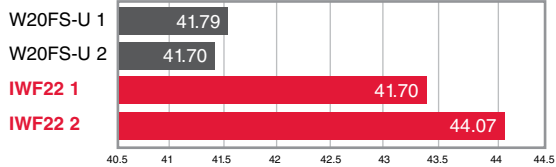
- > **Podwyższona moc wyjściowa**
Świece Iridium Power mają niskie wymaganie na napięcie i zapewniają wysoką zapłonność, co skutkuje obniżeniem wypadania zapłonów i brakiem osadów a w rezultacie zasadniczą poprawą spalania. Wzrasta moc wyjściowa silnika.
- > **Lepsze przyspieszenie**
Dzięki stabilnej zapłonności zasadniczo wzrasta przyspieszenie.
- > **Podwyższona moc**
Elektroda środkowa o średnicy 0,4 mm zapewnia podwyższenie mocy w różnych warunkach jazdy.
- > **Zmniejszone zużycie paliwa**
Nawet na biegu jałowym silnik zapewnia większą moc przy mniejszym zużyciu paliwa i niższym poziomie hałasu

IRIDIUM POWER®



Test porównawczy zużycia paliwa

Dane: Porównanie własne firmy



Testowany pojazd:

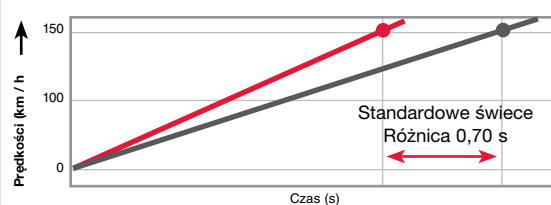
- > Honda DIO (2-suw, 1 cylinder, chłodzenie powietrzem 50 cm³)

Warunki testu:

- > Prędkość 30 km/h, F/W 120 kg Czas pomiaru 10 minut
- Chłodzenie powietrzem, prędkość 30 km/h

Iridium Power, lepsze przyspieszenie

Dane: Porównanie własne firmy



Testowany pojazd:

- > 250cm³ (2-suw, chłodzenie cieczą, V2)

Warunki testu:

- > Włączony 6.bieg, przyspieszenie przy całkowicie otwartej przepustnicy, od 50 km/h przy

Spark Plugs | Irydowe świece zapłonowe

PL

Iridium Racing

Najlepsze osiągi na torze! Używaj świec Iridium Racing i ciesz się jazdą, jak nigdy przedtem.

- > **Podwyższona moc wyjściowa**
Więcej mocy przy idealnym cyklu spalania.
- > **Lepsze przyspieszenie**
Niezrównane przyspieszenie na torze!

IRIDIUM RACING®



Przyspieszenie do 100 km/h (s) *

Plug	13.9	14.0
IRIDIUM RACING	13.950	
Zwykła świeca racing-owa (elektroda 0,8 mm)	13.985	

Testowany pojazd:

- > 250cm³ (2- suw, chłodzenie wodą, 2 cylindry)

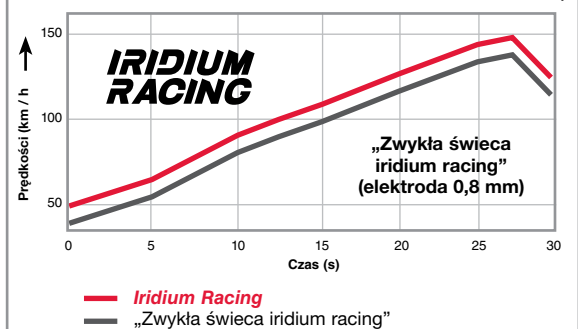
Warunki testu:

- > R/L 50 km, następnie przyspieszenie przez 27 s przy pełnym otwarciu przepustnicy (zablokowany na 6. biegu)

* Przedstawione dane pochodzą z badań własnych firmy.
Określenie "zwykła świeca iridium racing" odnosi się do produktu DENSO.

Iridium Racing, lepsze przyspieszenie

Dane: Porównanie własne firmy



Преимущество DENSO

DENSO устанавливает стандарты в технологии производства свечей зажигания с 1959 года. Мы сами разрабатываем все типы свечей и производим их на собственных заводах, сертифицированных по QS 9000 и ISO 9000, и нашим стандартом является «ноль дефектов». Мы обеспечиваем эти высочайшие эксплуатационные характеристики и для рынка автозапчастей. Свечи зажигания DENSO: стандартные, платиновые, иридиевые и TT – покрывают весь постоянно расширяющийся диапазон применения. Чтобы обеспечить оптимальные рабочие характеристики двигателя, выбирайте свечи зажигания DENSO для любых автомобилей, мотоциклов, водного транспорта и малых моторов.

Ассортимент

Стандартные

- > Медно-стеклянное уплотнение обеспечивает рассеивание тепла
- > Стандартный U-образный паз
- > Глубоко вставленный медный сердечник
- > Теплостойкое никелевое покрытие

Iridium Power

- > Великолепная воспламеняемость
- > Низкое требуемое напряжение
- > Лучше динамика и стабильность работы
- > Меньший расход топлива
- > Более продолжительный срок службы

Iridium Racing

- > Технология Формулы-1
- > Максимальное ускорение
- > Высокая надежность
- > Повышенная эффективность

Тип Спецификация	Стандартные	Иридиевые	
	Standard	Iridium Power	Iridium Racing
U-образная канавка	+ ¹	+ ²	-
Конический боковой электрод	Некоторые типы ³	+ ²	-
Материал бокового электрода	Обычный	Увеличенная	Полностью платиновая
Центральный электрод	2.5 мм	0.4 мм	0.4 мм ⁴
Доступные калильные числа	9-27	16-34	24-35
Резистор	Большинство типов	Все типы	Все типы
Высокий КПД	+	++++	+++++
Экономия топлива	Хорошая	Наилучшая	-
Долговечность	Обычная	Обычная	Только для гонок

¹ Типы свечей зажигания без U в наименовании типа не имеют U-образного паза

² Не применяются для IU24A, IU27A, IU31A, IUF27A и IUF31A

³ Типы свечей зажигания с Z в наименовании типа имеют заземляющий электрод конической формы

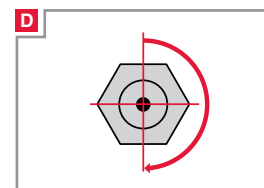
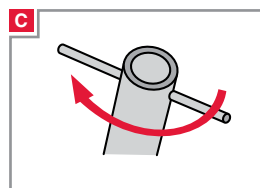
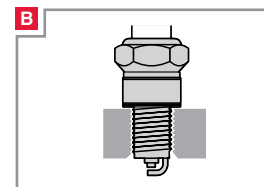
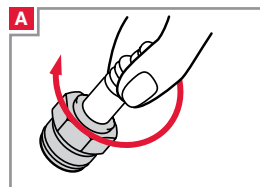
⁴ За исключением типов с поверхностным зазором

RU

Установка свечи зажигания

Рекомендуемые момент и угол затяжки для свечей DENSO.

1. Используйте гаечный ключ, соответствующий шестиграннику свечи, и будьте осторожны, чтобы не повредить изолятор.
2. При замене свечей следите за тем, чтобы масло и прочие загрязнения на наружной части свечи не попали внутрь двигателя.
3. При установке свечей очистите сторону фланца двигателя и устанавливайте свечи зажигания, убедившись в наличии прокладки на ее фланце.
4. Убедитесь в том, что свечи зажигания расположены вертикально, и затяните их усилием руки то тех пор, пока их более завернуть нельзя (A+B).
5. Затем используйте свечной ключ для точной затяжки до нужного момента или угла поворота, указанного в таблице ниже (C+D).



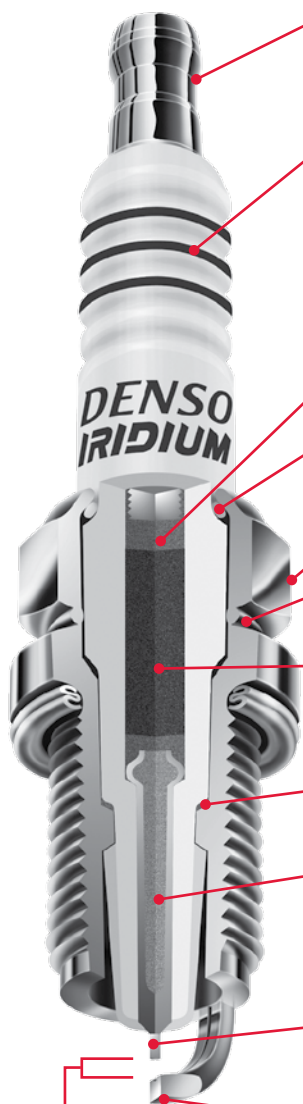
РЕКОМЕНДУЕМЫЕ ВЕЛИЧИНЫ МОМЕНТОВ ЗАТЯЖКИ ПРИ УСТАНОВКЕ					
Размер резьбы	Рекомендуемый момент	Рекомендуемое число оборотов			
		Новая свеча зажигания	Использ. свеча зажигания		
Прокладка	M8 Тип Y	8-10 Нм	± 1 обор.	± 1/12 обор.	
	M10 Тип U, N	10-15 Нм	± 2/3 обор.	± 1/12 обор.	
	M10 Прокладка из нержавеющей стали	10-15 Нм	± 3/4 обор.	± 1/12 обор.	
	M12 Тип SXU, X, XE, XU, ZXE, Z XU	15-20 Нм	± 1/3 обор.	± 1/12 обор.	
	M14 Тип FK, J, K, KJ, P, PK, PKJ, PQ, Q, QJ, QL, S, SF, SK, SKJ, SV, SVK, VK, VKJ, W, ZT	20-25 Нм	± 1/2 обор.	± 1/12 обор.	
	M14 Прокладка из нержавеющей стали	20-25 Нм	± 2/3 обор.	± 1/12 обор.	
	M18 Тип L, M, MA, MW	30-40 Нм	± 1/4 обор.	± 1/12 обор.	
Коническое гнездо	M14 Тип PT, PTJ, T	20-30 Нм	± 1/16 обор.	± 1/16 обор.	
	M18 Тип MA	30-40 Нм	± 1/4 обор.	± 1/12 обор.	



Если нити резьбы покрыты густой смазкой, то затяжка до рекомендуемого момента приведет к излишней затяжке; это связано с вытеканием смазки. Не используйте смазку для резьбы.

Затяжка моментами и углами, превосходящими те, которые показаны справа, может приводить к повреждению двигателя и в дальнейшем к тому, что свеча зажигания может вырваться из резьбы.

Устройство свечи зажигания



Клемма

Керамический изолятор

- > На его поверхности имеются пять ребер
- > Это снижает потери напряжения и предотвращает пропуски искровых разрядов
- > Используется оксид алюминия высокой чистоты
- > Хорошая электрическая изоляция, долговечность и теплопроводность
- > Химическая стабильность

Специальное медно-стеклянное уплотнение

- > Хорошие газонепроницаемость, долговечность и теплопроводность.

Кольцо

Корпус

- > Никелевое покрытие с высокими антикоррозийными свойствами

Запрессовка при электрическом нагреве

- > Термостойкость, хорошая герметичность и малые изменения в диапазоне нагрева.

Резистор

- > Сопротивление 5 ком, снижает радиопомехи.

Уплотнение

Центральный электрод с сердечником из меди

- > В сравнении с другими производителями здесь больше меди, что улучшает термические характеристики.
- > Мощная устойчивая искра в диапазоне от малых до высоких скоростей.

Центральный электрод

- > Свечи зажигания DENSO IRIDIUM имеют самый тонкий центральный электрод диаметром 0,4 мм

Заземляющий электрод

- > Доступны с U-образной канавкой, обеспечивающей более полное сгорание горючего.
- > Конусообразная форма гарантирует стабильность зажигания

Искровой зазор

Spark Plugs | Система обозначений

RU

Иридиевые / Платиновые / Стандартные

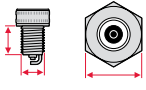


ОБОЗНАЧЕНИЕ СВЕЧЕЙ ЗАЖИГАНИЯ DENSO									
	W	16	E	XR	-U	11			
	K	20		PR	-A	11			
	XU	22	H	CR	-11S				
Тип благородного металла	Диаметр резьбы и размер шестигранника	Калильное число			Длина резьбы	Тип электрода	Конфигурация зазора	Зазор	
D Иридиевый центральный электрод диаметром 0.7 мм с платиновой иглой на боковом электроде	C 12x14.0	DENSO	NGK	CHAMPION	BOSCH	A 19.0 mm (Выступ электродов: 7.0 mm) J16AR-U11	A Двойные заземляющие электроды W22EA	-A Специальная характеристика SK16PR-A11	5 0.5 mm (.020") 8 0.8 mm (.032") 9 0.9 mm (.035")
	L 18x22.2 (Длина резьбы: 12.7 mm)								
F Иридиевый центральный электрод диаметром 0.55 мм с платиновой иглой на боковом электроде	M 18x25.4 (Длина резьбы: 12 mm)	9	2	18	10	B 19.0 mm (Выступ электродов: 9.5 mm) J16BR-U	B Тройные заземляющие электроды W22EB	-C Срезанный заземляющий электрод W27EMR-C	13 1.3 mm (.050") 14 1.4 mm (.055") 15 1.5 mm (.060") <Нет>
	MA 18x20.6 (Коническое гнездо, длина резьбы: 12 mm)	14	4	16,14	9	C 19.0 mm (Выступ электродов: 5.0 mm) KJ20CR-L11	BG Тройные заземляющие электроды (экранированная) SK20BGR11	-D Заземляющий электрод с медным сердечником DK20PR-D13	<Нет> Авто: 0.8 mm Мото: 0.7 mm
P Платиновый центральный электрод диаметром 1.1 мм с платиновой накладкой на боковом электроде	MW 18x20.6 (Длина резьбы: 12 mm)	16	5	12,11	8	D 19.0 mm (Экран 2) K20DTR-S11	C Экран 1.5mm SXU22HCR11	-E Специальная характеристика SK16PR-E11	-11S Исклучения P16R, PQ16R, PQ20R - 1.1 mm
	J 14x20.6 (Выступающая свеча)	20	6	10,9	7,6	E (Прокладка) 19.0 mm W16EX-U	D 4 заземляющих электрода W27EDR	-F Специальная характеристика SK16PR-F11	
S Иридиевый центральный электрод диаметром 0.7 мм с платиновой накладкой на боковом электроде	KJ 14x16.0 (Выступающая свеча)	22	7	8,7	5	E (Прокладка) 20.0 mm W25EBR	D 4 заземляющих электрода W27EDR	-G Смазанная резьба (для двигателей СПГ) SK20R8-G	
	LP 14x20.6 (Свеча для двигателей, работающих на СПГ)	24	8	6,63,61	4	F 19.0 mm (Резьба на половину длины) U24FER9	D Выступающая (1.5 mm выступ, выступ электродов 3.5 mm) XU22HDR9	-GL Платиновый центральный электрод X22EPR-GL	
SV Иридиевый центральный электрод диаметром 0.4 мм с платиновой накладкой на боковом электроде	Q 14x20.6 (Выступающая свеча)	27	9	4,59	3	G 19.0 mm (Экран 3) X27GPR-U	E Экран: 2.0mm FXE20HE11	-L Термостойкий заземляющий электрод K20PR-L11	
	QL 14x20.6 (Длинный цилиндрический корпус)	29	9.5	57		H 26.5 mm QJ16HR-U	K Выступающая (1 mm выступ) W16EKR-S11	-LM Компактный тип изолятора свечи для мотоциклов W20FP-L	
Z Иридиевый центральный электрод диаметром 0.55 мм с платиновой накладкой на боковом электроде	S 14x20.6 (Свеча с поверхностным зазором)	31	10	55	2	H 19.0 mm (Выступ электродов: 8.5 mm) K16HPR-U11	LM Компактный тип (размер шестигранника 20,6 mm) W14LM-U	-L Заглубленный изолятор для мотоциклов W20FR-L	
	T 14x16.0 (Коническое гнездо)	32	10.5	53		L 11.2 mm W14L	M Укороченная головка изолятора W27EMR-C	-M Увеличенный заземляющий электрод SK20PR-M11S	
	W 14x20.6 (Компактный тип)	34	11			N (Коническое гнездо, резьба на половину длины) 17.5 mm T20NR-U11	M Компактный тип (размер шестигранника 19.0 mm) W20M-U	-N Для Yamaha и Kawasaki U27ESR-N	
	X 12x18.0	35	11.5			V (Коническое гнездо) 25.0 mm PT16VR13	P Выступающая (1.5 mm выступ) W16EP-U	-P Двойной слой платины на заземляющем электроде SK20R-P11	
	XE 12x14.0					Нет 9.5 mm W14M-U 11.2 mm L14-U, M24S 19.0 mm SK20R11 21.5 mm S29A	Q Выступающая 2 mm, выступ электродов 3.5 mm	-P Односторонняя платиновая свеча K16PR-P11	
	XU 12x16.0					Нет (Коническое гнездо) 8.3 mm T20M-U 11.2 mm T16PR-U	R Выступающая (1.5 mm выступ) W16EP-U	-R 10K ом резистор K22PR-UR	
	N 10x16.0						S Полуповерхностный зазор (0 mm выступ) W22ES-U	-S Полуплоскостной зазор W20EP-S11	
	Y 8x13.0						S Иридий на одной стороне KJ20SR11	-S Прокладка из нержавеющей стали U27FER9S	
							T Двойные заземляющие электроды K16TR11	-T Для СПГ SK20HR8-T	
							TM Двойные заземляющие электроды K22TMR11	-T Специальная характеристика FK20HBR11-T	
							TN Двойные заземляющие электроды K22TNR-S	-TP Платиновый центральный электрод; конический заземляющий K20PR-TP11	
							X Сильно выступающая (2.5 mm выступ) W16EX-U	-U U-образная канавка в заземляющем электроде K16PR-U	
								-US Звездообразный центральный электрод W20M-US	
								-V 1.3 mm диаметр, никелевый центральный электрод W27ES-V	

RU

IRIDIUM POWER® Серия Iridium Power (Power, Tough, Plus)

ОБОЗНАЧЕНИЕ СВЕЧЕЙ ЗАЖИГАНИЯ DENSO																																															
I VF	U KH	27 20	A																																												
																																															
Высокоэффективные свечи	Диаметр, длина резьбы, размер шестигранника	Калильное число	Тип																																												
<p>I..... Иридиевый диам 0.4 mm</p> <p>V..... Иридиевый диам. 0,4 mm с платиновой накладкой</p> <p>VF.. Иридиевый диам. 0.4 mm с платиновой иглой на боковом электроде</p>	<p>< Диаметр резьбы X длина резьбы X размер шестигранника ></p> <p>CH... 12x26.5x14.0</p> <p>K..... 14x19.0x16.0</p> <p>KA... 14x19.0 (Экранированная, новые тройные электроды)x16.0</p> <p>KB... 14x19.0 (Новые тройные электроды)x16.0</p> <p>KBH.. 14x26.5 (Новые тройные электроды)x16.0</p> <p>KD... 14x19.0 (Экранированная)x16.0</p> <p>KH... 14x26.5x16.0</p> <p>NH... 10x19.0 (Резьба на половину длины)x16.0</p> <p>T..... 14x17.5 (Коническое гнездо)x16.0</p> <p>TF... 14x11.2 (Коническое гнездо)x16.0</p> <p>TL... 14x25.0 (Коническое гнездо, длинный изолятор)x16.0</p> <p>TV... 14x25.0 (Коническое гнездо)x16.0</p> <p>Q..... 14x19.0x16.0</p> <p>U..... 10x19.0x16.0</p> <p>UF... 10x12.7x16.0</p> <p>UH... 10x19.0 (Резьба на половину длины)x16.0</p> <p>W..... 14x19.0x20.6</p> <p>WF... 14x12.7x20.6</p> <p>WM... 14x19.0x20.6 (Компактный изолятор)</p> <p>X..... 12x19.0x18.0</p> <p>XEH.. 12x26.5 (Экран 2.0)x14.0</p> <p>XG... 12x19.0 (Экран 3.0)x18.0</p> <p>XU... 12x19.0x16.0</p> <p>XUH.. 12x26.5x16.0</p> <p>Y..... 8x19.0 (Резьба на половину длины)x13.0</p>	<table border="1"> <thead> <tr> <th>DENSO</th> <th>NGK</th> <th>CHAMPION</th> <th>BOSCH</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>5</td> <td>12,11</td> <td>8</td> </tr> <tr> <td>20</td> <td>6</td> <td>10,9</td> <td>7,6</td> </tr> <tr> <td>22</td> <td>7</td> <td>8,7</td> <td>5</td> </tr> <tr> <td>24</td> <td>8</td> <td>6,63,61</td> <td>4</td> </tr> <tr> <td>27</td> <td>9</td> <td>4,59</td> <td>3</td> </tr> <tr> <td>29</td> <td>9.5</td> <td>57</td> <td></td> </tr> <tr> <td>31</td> <td>10</td> <td>55</td> <td>2</td> </tr> <tr> <td>32</td> <td>10.5</td> <td>53</td> <td></td> </tr> <tr> <td>34</td> <td>11</td> <td></td> <td></td> </tr> <tr> <td>35</td> <td>11.5</td> <td></td> <td></td> </tr> </tbody> </table>	DENSO	NGK	CHAMPION	BOSCH	16	5	12,11	8	20	6	10,9	7,6	22	7	8,7	5	24	8	6,63,61	4	27	9	4,59	3	29	9.5	57		31	10	55	2	32	10.5	53		34	11			35	11.5			<p>A..... Наклонный электрод, без U-образной выемки, форма неконусная</p> <p>B..... Изолятор, выступающий на 1.5 mm</p> <p>C..... Без U-образной выемки</p> <p>D..... Без U-образной выемки, заземляющий электрод из инконеля</p> <p>E..... Экран: 2 mm</p> <p>ES... Прокладка из нерж. стали</p> <p>F..... Специальная характеристика</p> <p>G..... Прокладка из нерж. стали</p> <p>I..... Выступ электродов: 4 mm; Изолятор, выступающий на 1.5 mm</p> <p>J..... Выступ электродов: 5 mm</p> <p>K..... Выступ электродов: 4 mm; Изолятор, выступающий на 2,5 mm</p> <p>L..... Выступ электродов: 5 mm</p> <p>T..... Для использования в газовых двигателях</p> <p>Y..... Зазор 0.8 mm</p> <p>Z..... Конусообразная форма</p>
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TT

ОБОЗНАЧЕНИЕ СВЕЧЕЙ ЗАЖИГАНИЯ DENSO																			
W	16	TT																	
																			
Диаметр, длина резьбы, размер шестигранника	Калильное число	Тип																	
<p>< Диаметр резьбы X длина резьбы X размер шестигранника ></p> <p>W..... 14x19.0x20.6</p> <p>K..... 14x19.0x16.0</p> <p>KH... 14x26.5x16.0</p> <p>Q..... 14x19.0x16.0</p> <p>T..... 14x17.5x16.0</p> <p>WF... 14x12.7x20.6</p> <p>TV... 14x25.0x16.0</p>	<table border="1"> <thead> <tr> <th>DENSO</th> <th>NGK</th> <th>CHAMPION</th> <th>BOSCH</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>5</td> <td>12,11</td> <td>8</td> </tr> <tr> <td>20</td> <td>6</td> <td>10,9</td> <td>7,6</td> </tr> <tr> <td>22</td> <td>7</td> <td>8,7</td> <td>5</td> </tr> </tbody> </table>	DENSO	NGK	CHAMPION	BOSCH	16	5	12,11	8	20	6	10,9	7,6	22	7	8,7	5	<p>TT = Двойной наконечник (1.5 mm никелевый ЦЭ, 1.5 mm никелевый ЗЭ)</p> <p>ЦЭ = центральный электрод</p> <p>ЗЭ = земляной электрод</p>	
DENSO	NGK	CHAMPION	BOSCH																
16	5	12,11	8																
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RU

Различные типы в программе свечей зажигания DENSO

В приведенном ниже обзоре обобщены различные конструкции в программе свечей зажигания DENSO, что облегчает выбор подходящей свечи для каждого конкретного случая

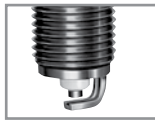
Standard



Свеча с тремя электродами

Пример K22PB/W20EPB

- > Три боковых электрода
- > Более длительный срок службы
- > Для Audi, VW, Citroën, Fiat, Mercedes-Benz, Renault



Свеча U-groove

Пример W16EX-U

- > Боковой электрод с пазом U-образной формы обеспечивает большую энергию зажигания
- > Легкое воспламенение даже бедных смесей
- > Полностью выступает (выступ изолятора 2,5 мм), таким образом, снижено загрязнение углеродом
- > Плавное начало движения и хорошие динамические характеристики



Свеча с полуповерхностным зазором для роторных двигателей

Пример S29A

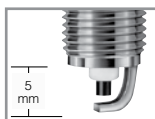
- > Полуповерхностный разряд
- > Улучшенная воспламеняемость, сопротивление загрязнению и более длительный срок службы
- > Снижение потерь напряжения благодаря 7-реберной конструкции



Свечи с увеличенной длиной

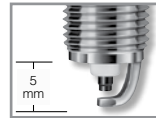
Пример J16AR-U11

- > Боковой электрод с пазом U-образной формы для более эффективного зажигания
- > Зажигает даже бедные смеси
- > Положение искры сдвинуто внутрь камеры сгорания для более высокой эффективности сгорания, потребления топлива и ходовых характеристик



Пример KJ20CR11/KJ20CR-U11

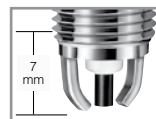
- > Исключительно для автомобилей Mazda и Mitsubishi
- > KJ20CR11 без паза U-образной формы
- > KJ20CR-U11 имеет паз U-образной формы



Свечи с увеличенной длиной

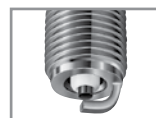
Пример KJ20CR-L11

- > Боковой электрод конусообразной формы
- > Более тонкий центральный электрод
- > Улучшение зажигания
- > Исключительно для автомобилей указанных марок



Пример J16AY

- > Исключительно для Daihatsu
- > Два боковых электрода обеспечивают длительный срок службы



Свеча с полуповерхностным зазором

Пример W20EKR-S11/W20EPR-S11

- > Полуповерхностный разряд улучшает воспламеняемость и сопротивление загрязнению
- > W20EKR-S11 для Honda
- > W20EPR-S11 для Mitsubishi



Двухэлектродная свеча с полуповерхностным зазором

Пример W20ETR-S11

- > Двойной заземляющий электрод с промежутком 1 мм
- > Короткие боковые электроды, расположенные напротив, обеспечивает отличную надежность
- > Полное выступание способствует лучшему возгоранию
- > Новый дополнительный зазор повышает сопротивление загрязнению
- > Исключительно для Toyota и Daihatsu



Двухэлектродная свеча с закрытым полуповерхностным зазором

Пример K20DTR-S11/W20DTR-S11

- > Конструкция с полуповерхностным зазором
- > Конец резьбовой части продлен в камеру сгорания
- > Выступающая часть закрыта для повышения сопротивления загрязнению
- > Исключительно для Daihatsu и Subaru



Свеча с центральным электродом звездообразной формы

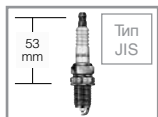
Пример W9LM-US

- > Используется для свечей малых двигателей
- > Создает более сильную искру и более легкий запуск двигателя
- > Снижает вероятность осечек
- > Снижает загрязнение углеродом
- > Имеет боковой электрод с U-groove

Spark Plugs | Типы свечей зажигания

RU

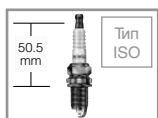
Standard



Свеча с уменьшенным шестигранником

Пример Q16R-U11/Q16PR-U11

- > Благодаря снижению размера шестигранника (16 мм), свеча получила меньшие размеры



Свеча с уменьшенным шестигранником, совместимая со стандартом ISO

Пример K16-RU11/K16PR-U11

- > Совместима со стандартами ISO
- > Обратите внимание на установку: высота в установленном состоянии на 2,5 мм ниже, чем для типа Q



Малая свеча для малых автомобилей

Пример XU22EPR-U

- > Благодаря снижению размера шестигранника (16 мм), свеча совместима с малыми автомобилями
- > Размер резьбы 12 мм



Свечи с длинным корпусом

Пример QL20PR-U/QL20TR-S

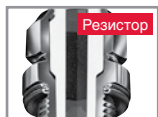
- > Удлинение средней части свечи позволило сохранить установочные размеры
- > QL20TR-S имеет двойные боковые электроды и полуповерхностный зазор для более эффективного предотвращения загрязнения
- > Исключительно для Daihatsu



Свеча с коническим седлом

Пример T16EPR-U

- > Исключительно для неазиатских автомобилей, не имеющих уплотнительного кольца



Свеча с резистором

Снижение радиопомех

- > Добавлен резистор 5 КОм между центральным электродом и сердечником центрального электрода
- > Снижает уровень радиопомех, производимых при зажигании
- > Основная часть новых автомобилей сейчас обычно выпускается со свечами с резистором

Platinum



Свеча Platinum

Пример PK20R11

- > Использование платины как для центрального электрода, так и для заземляющего электрода
- > Тонкий центральный электрод и платиновый наконечник снижают расход топлива, улучшают ходовые характеристики и повышают срок службы



Свеча Platinum для DLI (+ разряд)

Пример PK20R-P11

- > Увеличенные по размеру платиновые наконечники предотвращают износ при положительном (+) разряде



Удлиненная свеча Platinum

Пример PKJ20CR-L11

- > Положение искры сдвинуто вглубь камеры сгорания
- > Повышение эффективности сгорания
- > Улучшенное потребление топлива и ходовые характеристики



Свеча Platinum с двумя электродами

Пример PK20TR11

- > Части центрального электрода, обращенные к боковым электродам, имеют платиновые наконечники
- > Двухэлектродная конструкция требует меньшего напряжения при положительном (+) заряде



Свеча зажигания с односторонней платиной

Пример Q20PR-P11/K16PR-TP11

- > Только центральный электрод имеет платиновый наконечник, позволяющий сделать электрод тонким
- > Улучшенное потребление топлива, ходовые характеристики и срок службы
- > Боковой электрод имеет конусообразную форму для лучшего поджига

RU

Iridium



Свеча супер зажигания (SIP)

Пример FK20HR11

- > Революционная технология DENSO
- > Боковой электрод в форме иглы
- > Не имеющее себе равных снижение гасящего действия



ОЕ Свеча Iridium

Пример SK16R-P11/SK20R11

- > Первый в мире сверхтонкий электрод из сплава иридия, диаметром 0,7 мм разработанный DENSO
- > Значительное улучшение воспламенения и срока службы



Iridium Power

Пример IK20

- > Сверхтонкий иридиевый центральный электрод диаметром 0,4 мм существенно улучшает зажигание и снижает необходимое напряжение пробоя
- > Выступающий центральный электрод у большинства типов
- > U-образный паз на боковом электроде у большинства типов
- > Обрезанный под конус боковой электрод у большинства типов



Iridium Tough

Пример VK20

- > Сверхтонкий иридиевый центральный электрод диаметром 0,4 мм существенно улучшает зажигание и снижает необходимое напряжение пробоя
- > Боковой электрод с платиновой накладкой позволяет достичь длительного срока службы



Iridium Tough Double Needle

Пример VFKH20

- > Платиновый заземляющий электрод в форме иглы диаметром 0,7 мм, улучшает воспламенение и ускорение
- > Ультратонкий иридиевый центральный электрод диаметром 0,4 мм значительно улучшает воспламеняемость

TT



Свеча TT

- > Впервые в свече зажигания использованы тонкие электроды, не содержащие драгоценные металлы
- > Отличается использованием центрального и бокового электродов с выступом диаметром 1,5 мм из никелевого сплава
- > Снижает токсичность выхлопных газов
- > Существенно экономит топливо
- > Надежный запуск в холодных условиях

RU

Iridium Power

Свечи Iridium Power, впервые в мире использующие иридиевый центральный электрод диаметром 0,4 мм, демонстрируют замечательную воспламеняемость и низкое требуемое напряжение, обеспечивая более высокий КПД вашего автомобиля:

> Улучшение отдачи КПД

Свечи Iridium Power характеризуются пониженным напряжением и высокой воспламеняемостью, гарантируя снижение пропусков и сбоев зажигания при значительном улучшении сгорания. За счет этого возрастает КПД двигателя.

> Улучшение ускорения

Благодаря устойчивому зажиганию, значительно улучшаются динамические характеристики.

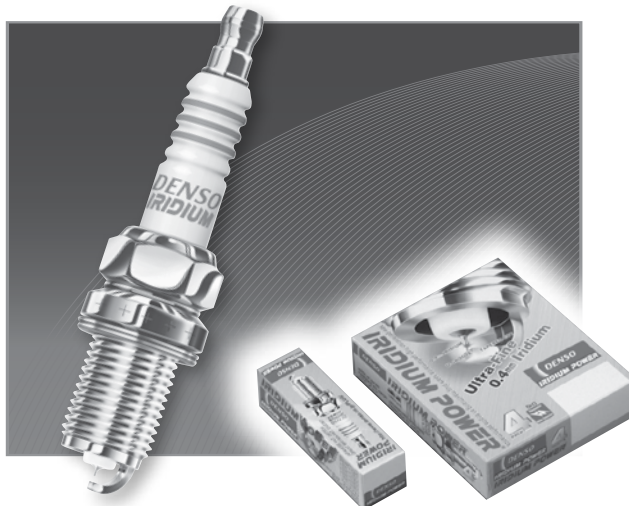
> Повышение мощности

Центральный электрод диаметром 0,4 мм повышает мощность при разнообразных условиях езды на автомобиле

> Снижение расхода горючего

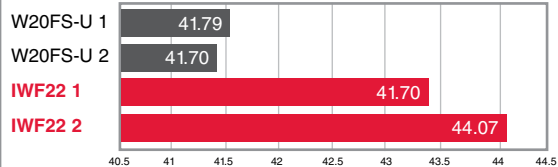
Даже на холостом ходу обеспечивается лучшая отдача с одновременным снижением расхода горючего и меньшем шуме

IRIDIUM POWER®



Сравнительный тест расхода горючего

Данные: Сравнение внутри фирмы



Тестируемое транспортное средство:

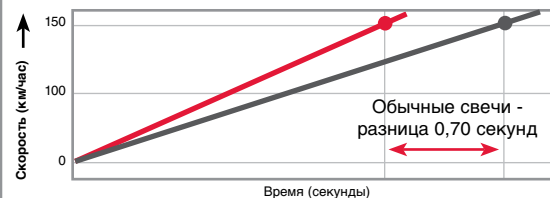
> Honda DIO (2-тактный 1-цилиндровый двиг., воздушное охлаждение, 50 куб. см)

Условия теста:

> скорость 30 км/час, полный вес 120 кг, длительность измерения 10 мин., скорость охлаждающего воздуха 30 км/час

Свечи зажигания Iridium Power, улучшение показателей разгона

Данные: Сравнение внутри фирмы



Испытуемое транспортное средство:

> 250 куб. см (2-цил. двигатель с водяным охлаждением, схема цил. V2)

Условия теста:

> Зафиксированная 6-я передача; дроссельная заслонка, открытая полностью от 50 км/час, с использованием устройства автоматического вождения.

Spark Plugs | Иридиевые свечи зажигания

RU

Iridium Racing

Наивысшая производительность на гоночной трассе! Используйте свечи марки Iridium Racing и вы сможете оценить гонки как никогда раньше.

- > **Улучшение отдачи**
Больше мощности при идеальном цикле зажигания.
- > **Улучшение динамических характеристик**
Непревзойденные динамические характеристики на гоночной трассе.

IRIDIUM RACING®



Время разгона до 100 км/час (с) *

Свеча	13.9	14.0
IRIDIUM RACING	13.950	
Обычная свеча для гонок (электрод 0,8 мм)	13.985	

Трансп. ср-во:

- > 250 куб. см (2-тактный, 2-цилиндровый двиг. с водяным охлаждением)

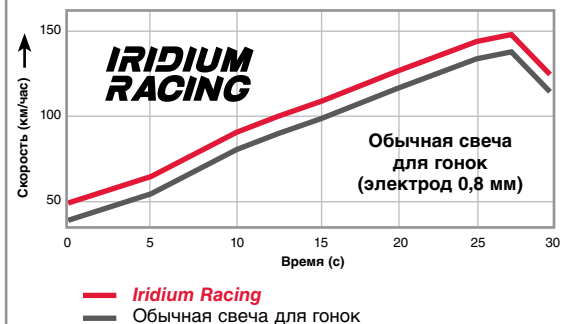
Условия:

- > Разгон до 50 км/час, затем полный газ в течение 27 с (на 6-й передаче)





* Приведены внутрифирменные данные. К тому же, "Обычная свеча для гонок" – это продукция DENSO.





Свечи зажигания Iridium Racing, улучшение разгона

Данные: Сравнение внутри фирмы







Spark Plugs | Upgrade

			
		IK27	IXU01-27
		IK27C11	IXU01-27
		IK31	IXU01-27
		IK34	
		IU27	
		IU27D	
		IUF27A	
		IUF31A	
		IUH24	
		IUH27	IXU01-24
		IUH27D	
		IW29	IW01-29
		IW34	IU01-31 / RU01-31
			IWM01-29
		IWM31	
	J14CR-U	IW16 /WW16	
	J16CR-U	IW16 /WW16	
	K20PBR	IK20 / VK20	IXU01-31
	K20PR-U	IK20 / VK20	
	K20PR-U11	IK20 / VK20	
	K20TNR-S9	IK20 / VK20	
	K22PBR-S	IK22 / VK22	
	K22PR-U11	IK22 / VK22	
	K22TNR-S	IK22 / VK22	
	K24PR-U11	IK24	
L14-U			
M14			
M17			
M22			
M24S			
	MA16PR-U		
	MA20PR-U		
MW17			
	N24EXRB	IU24/IU24A	
	Q16PR-U	IQ16 / VQ16	
Q20P-U	Q20PR-U	IQ20 / VQ20	
Q20P-U11	Q20PR-U11	IQ20 / VQ20	
	Q22PR-U	IQ22 / VQ22	
	T14PR-U	ITF16	
	T16EPR-U	IT16 / VT16	
	T16PR-U	ITF16	
		ITV16	
T20EP-U	T20EPR-U	IT20 /VT20	
T20M-U			
T20MP-U			
T22M-U			
	T20PR-U	ITF20	
	U14FSR-UB	IUF14-UB	
	U16FSR-UB		
	U20EPR9	IU20	
	U20ESR-N	IU20	
U20FS-U	U20FSR-U	IUF22	
	U22EPR9	IU22 (Normal), IU24A (Yamaha)	
	U22ESR-N	IU22	
	U22ETR		
	U22FER9		
	U22FSR-U	IUF22	
	U24EPR9	IU24A	
	U24ESR-N	IU24	
	U24ESR-NB	IU24	
	U24ETR	IU24A	
	U24FER9	IUH24	
	U24FSR-U	IUF24	
	U27ESR-N	IU27	IK01-34
	U27ESR-NB	IU27	IU01-24
	U27ETR	IU27A	IW01-24
	U27FER9	IUH27	
	U31ESR-N	IU31	

			
	U31ETR	IU31A	
		VFXEH22	
		VK16	
		VK20	
		VK24PR-Z11	
		VK27PR-Z11	
		VKJ20RZ-M11	
		VUH27D	IXU01-24
		VNH27Z	IXU01-27
		VUH24D	
		VUH27ES	
W9-U			
	W9EXR-U		IU01-24
W9FP-UL			
W9LM-US	W9LMR-US		IU01-27 / RU01-27
W9P-U	W9PR-U		IK01-31 / IK02-31
W14E			IW01-24
W14LM-U			IW01-24
W14LM-US			IW01-24
W14-U			IW01-27 / IW06-27
	W14EPR-U	IW16 /WW16	
	W14EXR-U	IW16 /WW16	
W14FP-U	W14FPR-U	IWF16	
	W14FPR-UL	IWF16	
W14FP-UL10	W14FPR-UL10	IWF16	
	W14FR-L	IWF16	
W14F-U	W14FR-U		
W14L			IW01-24
W14MP-U10	W14MPR-U10		
W14M-U	W14MR-U		
	W14PR-U		
	W16EPR11	IW16 /WW16	
	W16EPR-U	IW16 /WW16	
	W16EPR-U10	IW16 /WW16	
	W16EPR-U11	IW16 /WW16	
W16ES-U	W16ESR-U		
	W16EXR-U	IW16 /WW16	
	W16EXR-U11	IW16 /WW16	
W16FP-U	W16FPR-U	IWF16	
W16FS-U			IW01-27 / IW06-27
	W16FSR		
W16LS			IW01-27 / IW06-27
	W16PR-U		
W16S-U			IW01-27 / IW06-27
	W20EPR	IW20 / VW20	
W20EP-U	W20EPR-U	IW20 / VW20	
	W20EPR-U10	IW20 / VW20	IW01-29
	W20EPR-U11	IW20 / VW20	IW01-32
W20ES-U	W20ESR-U		IW06-34
W20FP-U	W20FPR-U	IWF20	IWM01-31
	W20FPR-U10	IWF20	IWM01-32
W20FR-L	W20FR-L	IWF20	
W20FS-U	W20FSR-U	IWF22	
W20M-US			IU01-27 / RU01-27
W20MP-U			IW01-31 / IW06-31
	W20MPR-U10		
	W20MR-U		
	W20SR-U		
W20S-U	W20SR-U		
	W22EPR-U	IW22 / VW22	
W22ES-U	W22ESR-U		IK01-24 / IK02-24
W22FP-U	W22FPR-U	IWF22	IXU01-27
W22FP-U10		IWF22	IXU01-27
W22FS-U		IWF22	
	W22FSR	IWF22	IXU01-31
W22M-U			
	W22MPR-U		
W22S-U			
	W24EMR-C	IWM24	
	W24EPR-U	IW24	

Spark Plugs | Upgrade

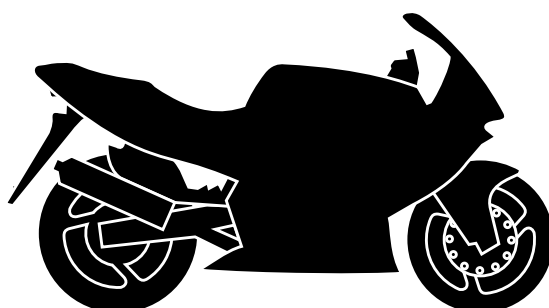
			
	W24ESR	IW24	
	W24ESR-U	IW24	
	W24ESR-V	IW24	
	W24FPR	IWF24	
	W24FPR-U10	IWF24	
	W24FR-L	IWF24	
W24FS-U	W24FSR	IWF24	IK01-27 / IK02-27
W24S-U			
	W27EMR-C	IWM27	
	W27ESR	IW27	
W27ES-U	W27ESR-U	IW27	
	W27ESR-U	IW27	
	W27ESR-V	IW27	IU01-24
W27FS-U	W27FSR	IWF27	IU01-24
	W27FSR-U10	IWF27	IU01-24
	W31ESR-U	IW31	IU01-24
W31FS			
	X16EPR-U9		IU01-27 / RU01-27
	X16FSR-U		IU01-31 / RU01-31
	X20EPR-U9		IU01-31 / RU01-31
	X20FSR-U		
	X22EPR-U9	IX22B	
	X22ESR-U	IX22	
	X24EPR-U9	IX24B	
	X24ESR-U	IX24	IW01-27 / IW06-27
	X24GPR-U	IXG24	IW01-31 / IW06-31
	X27EPR-U9	IX27B	IU01-24
	X27ESR-U	IX27	IU01-27 / RU01-27
	X27ETR	IX27	IU01-27 / RU01-27
	X27GPR-U	IXG27	IU01-27 / RU01-27
	X31ETR		IU01-27 / RU01-27
	XU20EPR-U	IXU22 / VXU22	
	XU22EPR-U	IXU22 / VXU22	
	XU24EPR-U	IXU24 / VXU24	
	XU27EPR-U	IXU27	
	Y24FER-C	IY24	
	Y27FER-C	IY27	
X24FS-U			









New Applications




MAKE	MODEL
APRILIA	SCARABEO 125, 200 I.E. & 300 SPECIAL, ATLANTIC 300 I.E., RXV 4.5 & 5.5, SXV 4.5 & 5.5, RSV4 1000 FACTORY, DORSODURO 1200
BENELLI (-MOTOBI)	PEPE 50 CLASSIC, MACIS 125 & 150, CENTURY RACER 899 & 1130, TNT 1130 R160
BETA (BETAMOTOR)	LIQUID COOLED 50 CC (ARK ONE / PADDOCK / TRIBE / SKULL / RR 50 MOTARD), MINIMOTARD R125, RR 125 ENDURO, URBAN 125 / SPECIAL
BIMOTA	DB 5R/S, TESI 3D
BMW	F650GS TWIN, R1200GS, R1200R, K1300GT / R / S
DERBI	BOULEVARD, GPR, SENDA DRD EVO & PRO, SONAR, RAMBLA 300I
DUCATI	HYPERMOTARD 796, MONSTER 796, HYPERMOTARD 1100 EVO / EVO S / SP, MONSTER 1100 / S / EVO
GILERA	NEXUS 300
HARLEY DAVIDSON	XR 1200X, DYNA WIDE GLIDE, E-GLIDE ULTRA LIMITED, CVO, FAT BOB, STREET BOB
HONDA	CBF 125, PCX 125, SH 125I, CRF 250, SW-T 400, SHADOW 750 BLACK SPIRIT / RS, CBF 1000 LIMITED EDITION, VFR 1200 F, VT 1300 CX
HUSQVARNA	MINIMOTARD & MINICROSS (CR 50, SM 50, CR 65), SMS 4, TE 125 4T, TC 250, WR 300, TE 310, SMR/TC/TE 449, SMR/TE 511, SM/TE 610 IE, TE/SM/SMR 630
HYOSUNG	KARION 125, RX 125 SM
KAWASAKI	D-TRACKER 125 DAF, KLX 125 CAF, KL/KLX/KX 250, ZX 600-R9F/RCF NINJA ZX-6R, ZX 1000 NINJA, VN 1700 VULCAN
KREIDLER	SUPERMOTO 125 DD
KTM	65 SX, 200 EXC, 250 EXC / SIX DAYS, 250 SX/SX-F, 250 XC/XCF-W/XC-W, 300 EXC / SIX DAYS, XC/XC-W, 450 SX-F

MAKE	MODEL
KYMCO	LIKE 50 2T&4T/125/200, SENTO 50, SUPER 8 50/150, DOWNTOWN 125/200/300, PEOPLE 125/200/300, QUANNON 125, XCITING RI 300
MALAGUTI	CENTRO 50/125/160 SL, DVD 50 MALBONLINE, BLOG 125, SPIDERMAX RS 500
MOTO GUZZI	NEVADA AQUILA NERA & CLASSIC, V7 RACER
MV AGUSTA	F4 BRUTALE 1090 R
PEUGEOT	JET FORCE H2I, KISBEE / -RS, LUDIX BLASTER FURIOUS, NK7, SPEEDFIGHT 3, TWEET 50/125/150, VIVACITY 50/125, XR7, CITYSTAR, LXR 125SUM UP, LXR 200
PIAGGIO	VESPA LX 50/125/150, VESPA S 50, MP3 HYBRID 125/300 LT, VESPA GTS SUPER 125 I.E., VESPA GTV 250, BEVERLY (TOURER) 300 I.E., CARNABY CRUISER 300 I.E., MP3 TOURING 300 RL/LT, MP3 YOURBAN 300 / -LT, VESPA GTS/GTV 300, X7 EVO 300 I.E.
SCORPA	SR 125/280 R
SUZUKI	RMX 450Z, DL650 V-STROM, M 800Z, VZ 800, GSX 1250FA, M 1500 INTRIDER
SYM	ALLO 50, SYMPHONY SR50/125/150, SYMPPLY 50/125, TONIK 50, HD 2 125/200, WOLF 125, FIDDLE II 150, MAXSYM 400I
TRIUMPH	TIGER 800 / XC, THRUXTON 900 SE, THUNDERBIRD 1600 / STORM
YAMAHA	NEO S 50 4T, BWS125, WR 125R / X, XJ 6, FZ8 / -N / -S, XVS 950, XT 1200 Z SUPER TÉNÉRÉ, VMAX RP21, VMX 17 2S3700

DENSO Motorcycle
















	KW			Standard			Alternative	
								
ADLER								
100 CC – JUNIOR MR 100				W24FS-U	4038	0,5	IWF24	5380
100 CC – M 100				W24FS-U	4038	0,5	IWF24	5380
125 CC – M 125				W24FS-U	4038	0,5	IWF24	5380
150 CC – MB 150				W24FS-U	4038	0,5	IWF24	5380
200 CC – MB 200				W22FS-U	4025	0,5	IWF22	5379
200 CC – MB 201				W22FS-U	4025	0,5	IWF22	5379
250 CC – MB 250				W24FS-U	4038	0,5	IWF24	5380
250 CC – MB 250 / FAVORIT				W22FS-U	4025	0,5	IWF22	5379
ADLY								
50 CC – ADLY 50			96 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – CITYBIRD 50 / FOX 50			00 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – JET X1 50 / CROSSER			00 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – PREDATOR 50			00 >	W22FPR-U	4022	0,6	IWF22	5379
100 CC – ADLY 100	7		96 >	W22FPR-U	4022	0,6	IWF22	5379
125 CC – ACTIVATOR 125			00 >	U22FSR-U	4008	0,7	IUF22	5383
AEON								
50 CC – AERO 50		AM-1		W22FPR-U	4022	0,8	IWF22	5379
50 CC – ECHO		AE-6		W22FPR-U	4022	0,8	IWF22	5379
100 CC – AERO 100		AM-2		W22FPR-U	4022	0,8	IWF22	5379
100 CC – PULSAR 100		AE-11		U22FSR-U	4008	0,8	IUF22	5383
125 CC – PULSAR 125		AE-9		U22FSR-U	4008	0,8	IUF22	5383
150 CC – PULSAR 150		AE-12		U22FSR-U	4008	0,8	IUF22	5383
AGS								
125 CC – 125 MC		FICHTEL & SACHS ENGINE		W24ESR-U	4033	0,5	IW24	5316
125 CC – 125 MC		PUCH ENGINE		W27ESR-U	4045	0,5	IW27	5317
125 CC – 125 MC		ZÜNDAPP ENGINE		W24FS-U	4038	0,5	IWF24	5380
AIM								
50 CC – A 1 / MINI				W20EPR-U	3047	0,6	IW20	5306
50 CC – CROSS / ENDURO / ZE1 / ZC1		P6CC		W27ESR-U	4045	0,5	IW27	5317
50 CC – CS / ENDURO CS / ZE / -C				W20ESR-U	3057	0,7	IW20	5306
80 CC – ZT / ZE / ZET / ZT				W31ESR-U	4176	0,6	IW31	5319
100 CC – ENDURO				W27FS-U	4052	0,6	IWF27	5381
AJP								
125 CC – PR3/PR4 ENDURO/SUPERMOTO 125			03 >	X24ESR-U	4101	0,8	IX24	5372
125 CC – PR3/PR4 SUPER-MOTO 125			03 >	X24ESR-U	4101	0,8	IX24	5372
200 CC – PR3/PR4 ENDURO/SUPERMOTO 200			03 >	X24ESR-U	4101	0,8	IX24	5372
200 CC – PR3/PR4 SUPER-MOTO 200			03 >	X24ESR-U	4101	0,8	IX24	5372
250 CC – PR5 250 CROSS			04 >	U24FER9	4127	0,6	IUH24	5368
250 CC – PR5 ENDURO/SUPERMOTO 250			04 >	U24FER9	4127	0,6	IUH24	5368
ALFER								
50 CC – GR 30, TX 30				W24FSR	4037	0,6	IWF24	5380
125 CC – VRE 125		4-STROKE		U27ESR-N	4131	0,7	IU27	5363
125 CC – VRE 125 NO LIMIT		4-STROKE		U27ESR-N	4131	0,7	IU27	5363
250 CC – EGR 250		LIQUID/AIR COOLED		W24ESR-U	4033	0,5	IW24	5316
250 CC – VR 250		2-STROKE		W24ESR	6068	0,8	IW24	5316
250 CC – VR 250 NO LIMIT SUPERMOTO		2-STROKE		W24ESR	6068	0,8	IW24	5316
300 CC – AR-1				W24ESR-U	4033	0,5	IW24	5316
300 CC – GR 300 AGUA				W24ESR-U	4033	0,5	IW24	5316
300 CC – TX-300				W24ESR-U	4033	0,5	IW24	5316
AMERICAN IRONHORSE								
1573 CC – BANDIT ST		V-TWIN 4-STROKE	99 > 02	W16EPR-U10	3022	1,0	IW16	5305
1573 CC – CLASSIC SX		V-TWIN 4-STROKE	99 > 02	W16EPR-U10	3022	1,0	IW16	5305
1573 CC – LEGEND SC		V-TWIN 4-STROKE	99 > 02	W16EPR-U10	3022	1,0	IW16	5305
1573 CC – OUTLAW SY		V-TWIN 4-STROKE	99 > 02	W16EPR-U10	3022	1,0	IW16	5305
1573 CC – SLAMMER SZ		V-TWIN 4-STROKE	99 > 02	W16EPR-U10	3022	1,0	IW16	5305
1573 CC – STALKER SR		V-TWIN 4-STROKE	99 > 02	W16EPR-U10	3022	1,0	IW16	5305
1573 CC – THUNDER SW		V-TWIN 4-STROKE	99 > 02	W16EPR-U10	3022	1,0	IW16	5305
1753 CC – BANDIT ST		V-TWIN 4-STROKE	99 > 03	W16EPR-U10	3022	1,0	IW16	5305
1753 CC – CLASSIC SX		V-TWIN 4-STROKE	99 > 03	W16EPR-U10	3022	1,0	IW16	5305
1753 CC – LEGEND SC		V-TWIN 4-STROKE	99 > 03	W16EPR-U10	3022	1,0	IW16	5305
1753 CC – OUTLAW SY		V-TWIN 4-STROKE	99 > 03	W16EPR-U10	3022	1,0	IW16	5305
1753 CC – SLAMMER SZ		V-TWIN 4-STROKE	99 > 03	W16EPR-U10	3022	1,0	IW16	5305
1753 CC – STALKER SR		V-TWIN 4-STROKE	99 > 03	W16EPR-U10	3022	1,0	IW16	5305
1753 CC – THUNDER SW		V-TWIN 4-STROKE	99 > 03	W16EPR-U10	3022	1,0	IW16	5305
1819 CC – LEGEND SC		V-TWIN 4-STROKE	04 > 07	XU22EPR-U	3179	1,0	IXU22	5308
1819 CC – LSC		V-TWIN 4-STROKE	04 > 05	XU22EPR-U	3179	1,0	IXU22	5308
1819 CC – OUTLAW SY		V-TWIN 4-STROKE	04 > 05	XU22EPR-U	3179	1,0	IXU22	5308
1819 CC – SLAMMER SZ		V-TWIN 4-STROKE	04 > 07	XU22EPR-U	3179	1,0	IXU22	5308









	KW			Standard			Alternative	
AMERICAN IRONHORSE <i>continued</i>								
1819 CC – STALKER SR		V-TWIN 4-STROKE	04 > 05	XU22EPR-U	3179	1,0	IXU22	5308
1819 CC – TEJAS SJ		V-TWIN 4-STROKE	04 > 05	XU22EPR-U	3179	1,0	IXU22	5308
1819 CC – TEXAS CHOPPER SX		V-TWIN 4-STROKE	04 > 05	XU22EPR-U	3179	1,0	IXU22	5308
1852 CC – BANDIT ST		V-TWIN 4-STROKE	99 > 03	W16EPR-U10	3022	1,0	IW16	5305
1852 CC – CLASSIC SX		V-TWIN 4-STROKE	99 > 03	W16EPR-U10	3022	1,0	IW16	5305
1852 CC – LEGEND SC		V-TWIN 4-STROKE	99 > 03	W16EPR-U10	3022	1,0	IW16	5305
1852 CC – OUTLAW SY		V-TWIN 4-STROKE	99 > 03	W16EPR-U10	3022	1,0	IW16	5305
1852 CC – SLAMMER SZ		V-TWIN 4-STROKE	99 > 03	W16EPR-U10	3022	1,0	IW16	5305
1852 CC – STALKER SR		V-TWIN 4-STROKE	99 > 03	W16EPR-U10	3022	1,0	IW16	5305
1852 CC – THUNDER SW		V-TWIN 4-STROKE	99 > 03	W16EPR-U10	3022	1,0	IW16	5305
1918 CC – LEGEND SC		V-TWIN 4-STROKE	04 >	XU22EPR-U	3179	1,0	IXU22	5308
1918 CC – OUTLAW SY		V-TWIN 4-STROKE	04 >	XU22EPR-U	3179	1,0	IXU22	5308
1918 CC – SLAMMER SZ		V-TWIN 4-STROKE	04 >	XU22EPR-U	3179	1,0	IXU22	5308
1918 CC – STALKER SR		V-TWIN 4-STROKE	04 >	XU22EPR-U	3179	1,0	IXU22	5308
1918 CC – TEJAS SJ		V-TWIN 4-STROKE	04 >	XU22EPR-U	3179	1,0	IXU22	5308
1918 CC – TEXAS CHOPPER SX		V-TWIN 4-STROKE	> 07	XU22EPR-U	3179	1,0	IXU22	5308
2033 CC – LEGEND SC		V-TWIN 4-STROKE	03 > 04	XU22EPR-U	3179	1,0	IXU22	5308
2033 CC – OUTLAW SY		V-TWIN 4-STROKE	03 > 04	XU22EPR-U	3179	1,0	IXU22	5308
2033 CC – RANGER SG/TSG		V-TWIN 4-STROKE		XU22EPR-U	3179	1,0	IXU22	5308
2033 CC – SLAMMER SZ		V-TWIN 4-STROKE	03 > 04	XU22EPR-U	3179	1,0	IXU22	5308
2033 CC – STALKER SR		V-TWIN 4-STROKE	03 > 04	XU22EPR-U	3179	1,0	IXU22	5308
2033 CC – TEJAS SJ		V-TWIN 4-STROKE	03 > 04	XU22EPR-U	3179	1,0	IXU22	5308
2033 CC – TEXAS CHOPPER SX		V-TWIN 4-STROKE	03 > 04	XU22EPR-U	3179	1,0	IXU22	5308
2033 CC – TEXAS CHOPPER SX		10TH ANNIVERSARY SPECIAL EDITION	06 > 07	XU22EPR-U	3179	1,0	IXU22	5308
2034 CC – LSC		V-TWIN 4-STROKE	06 > 07	XU22EPR-U	3179	1,0	IXU22	5308
2034 CC – OUTLAW SY		V-TWIN 4-STROKE	06 > 07	XU22EPR-U	3179	1,0	IXU22	5308
2034 CC – TEJAS SJ		V-TWIN 4-STROKE	06 > 07	XU22EPR-U	3179	1,0	IXU22	5308
AMERICAN PERFORMANCE CYCLE								
1573 CC – HIGH ROLLER S		S&S ENGINE 96 CU IN		W16EPR-U10	3022		IW16	5305
1573 CC – SPIRIT S		S&S ENGINE 96 CU IN		W16EPR-U10	3022		IW16	5305
1819 CC – HIGH ROLLER 240		S&S ENGINE 111 CU IN		XU22EPR-U	3179		IXU22	5308
1819 CC – HUSTLER 240		S&S ENGINE 111 CU IN		XU22EPR-U	3179		IXU22	5308
1819 CC – WILD CARD 240		S&S ENGINE 111 CU IN		XU22EPR-U	3179		IXU22	5308
1918 CC – HIGH ROLLER 280		S&S ENGINE 117 CU IN		XU22EPR-U	3179		IXU22	5308
1918 CC – WILD CARD 280		S&S ENGINE 117 CU IN		XU22EPR-U	3179		IXU22	5308
AMF ROADMASTER								
138, 139, 140, 141				W16FS-U	3034		IWF16	5359
ALL OTHER MODELS				T20M-U	6039		-	
APRILIA								
25 CC – AMICO 25			96 >	W22FSR	4024	0,5	IWF22	5379
50 CC – AF1		AM3 & RV3-4 ENGINES	86 > 93	W27ESR-U	4045	0,5	IW27	5317
50 CC – AMICO 50			> 96	W22FPR-U	4022	0,5	IWF22	5379
50 CC – AMICO 50			97 >	W22FSR	4024	0,5	IWF22	5379
50 CC – AMICO GL-GLE 50/ GLE SPORT			93 > 98	W22FPR-U	4022		IWF22	5379
50 CC – AREA 51 / AREA SBK			99 >	W24FSR	4037	0,6	IWF24	5380
50 CC – CLASSIC 50		AM ENGINE	92 > 02	W24ESR-U	4033	0,6	IW24	5316
50 CC – COLIBRI 4M / DANIELA MINI / -NORMALE				W16ESR-U	3110	0,5	IW16	5305
50 CC – DANI MINI / PACKI SUPER				W16ESR-U	3110	0,5	IW16	5305
50 CC – ET 50 / AE / -FIRE			87 > 98	W27ESR-U	4045	0,5	IW27	5317
50 CC – GRILLO / PACKI / SCARABEO 4M			80 >	W16FPR-U	4192	0,5	IWF16	5359
50 CC – GRILLO VIKS / PARTNER VIKS / -VIPED			80 >	W16FPR-U	4192	0,5	IWF16	5359
50 CC – GULLIVER 50		AIR COOLED	95 > 01	W22FSR	4024	0,5	IWF22	5379
50 CC – GULLIVER 50		LIQUID COOLED	96 > 01	W24FSR	4037	0,7	IWF24	5380
50 CC – HABANA 50 (./ RETRO / CUSTOM)			99 > 04	W24FPR	4188	0,6	IWF24	5380
50 CC – MINI RX 50			03 >	-		0,7	IK34	5322
50 CC – MOJITO 50 / CUSTOM 50		MORINI ENGINE	99 > 04	W24FPR	4188	0,6	IWF24	5380
50 CC – MOJITO CUSTOM 50		PIAGGIO ENGINE	04 > 08	W24ESR-U	4033	0,6	IW24	5316
50 CC – MX 50		AM6 ENGINE	02 > 04	W27ESR-U	4045	0,6	IW27	5317
50 CC – PEGASO 50			92 > 97	-		0,7	IW27	5317
50 CC – RALLY 50			90 > 95	-		0,5	IW27	5317
50 CC – RALLY 50		AIR COOLED	95 > 03	W22FSR	4024	0,6	IWF22	5379
50 CC – RALLY 50		LIQUID COOLED	95 > 03	W24FSR	4037	0,6	IWF24	5380
50 CC – RC 50			79 > 83	W20ESR-U	3057	0,6	IW20	5306
50 CC – RC NORMALE / -SPECIAL				W16ESR-U	3110	0,5	IW16	5305
50 CC – RED ROSE 50		RV3 ENGINE	87 > 91	W27ESR-U	4045	0,5	IW27	5317
50 CC – RED ROSE 50		AM3 ENGINE	92 > 94	W27ESR-U	4045	0,5	IW27	5317
50 CC – RS 50		AM5 ENGINE	93 > 96	W24ESR-U	4033	0,5	IW24	5316
50 CC – RS 50		PIAGGIO ENGINE	97 >	W27ESR-U	4045	0,7	IW27	5317









	KW			Standard			Alternative	
								
APRILIA continued								
50 CC – RS 50		AM6 ENGINE	97 > 05	W24ESR-U	4033	0,8	IW24	5316
50 CC – RS 50 EXTREMA / REPLICIA / TUONO			93 >	W27ESR-U	4045	0,7	IW27	5317
50 CC – RX 50		6M ENGINE LIQUID COOLED	06 >	W24ESR-U	4033	0,7	IW24	5316
50 CC – RX 50		AM OR PIAGGIO ENGINE	88 >	W27ESR-U	4045	0,7	IW27	5317
50 CC – RX 50 (RACING)			90 >	W27ESR-U	4045	0,7	IW27	5317
50 CC – RX 50 C / CDJ			90 >	W27ESR-U	4045	0,7	IW27	5317
50 CC – SCARABEO 50		MINARELLI ENGINE 2-STROKE, 25KM/H LIMITED, EURO 2	00 > 05	W14PR-U	6021	0,5	-	
50 CC – SCARABEO 50		PIAGGIO ENGINE 2-STROKE	05 >	W24ESR-U	4033		IW24	5316
50 CC – SCARABEO 50 4T 4V/NET		PIAGGIO ENGINE 4-STROKE	08 >	Y27FER-C	4162	*	IY27	5401
50 CC – SCARABEO 50 4T E2		PIAGGIO ENGINE 4-STROKE	02 > 06	U24ESR-NB	4223	0,7	IU24	5362
50 CC – SCARABEO 50 4T E3		PIAGGIO ENGINE (C376M) 4-STROKE, AIR COOLED	06 > 07	U24ESR-NB	4223	0,7	IU24	5362
50 CC – SCARABEO 50 5M / -6M / COLIBRI 5M		MINARELLI ENGINE 2-STROKE 45 KM/H EURO 2	00 > 05	W22FSR	4024	0,6	IWF22	5379
50 CC – SCARABEO 50 5M / -6M / COLIBRI 5M		MINARELLI ENGINE 2-STROKE	93 > 99	W22FSR	4024	0,6	IWF22	5379
50 CC – SCARABEO 50 DI-TECH / STREET		DITECH ENGINE 2-STROKE DIRECT INJECTION	00 > 04	N24EXR-B	4225	0,9	IU24/IU24A	
50 CC – SELVAGGIO			71 >	W16FPR-U	4192	0,5	IWF16	5359
50 CC – SONIC 50 / SONIC SPICE		2-STROKE, AIR COOLED	98 >	W24FSR	4037	0,6	IWF24	5380
50 CC – SONIC GP		2-STROKE, LIQUID COOLED	98 >	W24FSR	4037	0,6	IWF24	5380
50 CC – SPORTCITY ONE 50 4T		C77M ENGINE 4-STROKE AIR COOLED	08 >	U24ESR-NB	4223	0,7	IU24	5362
50 CC – SPORTCITY ONE 50 STREET		C421M ENGINE 2-STROKE AIR COOLED	08 >	W24ESR-U	4033	0,6	IW27	5317
50 CC – SR 50		APRILIA L02 ENGINE	00 > 03	W24FPR	4188	0,7	IWF24	5380
50 CC – SR 50 (-VIPER / -WWW)		MINARELLI ENGINE 2 STROKE AIR COOLED	93 >	W22FSR	4024	0,5	IWF22	5379
50 CC – SR 50 AC ESQUIRE / -URBAN KID / -VIPER / -REPLICIA		MORINI ENGINE 2 STROKE LIQUID COOLED	92 > 02	W22FPR-U	4022	0,5	IWF22	5379
50 CC – SR 50 I.E. / DI-TECH		APRILIA DITECH ENGINE 2-STROKE DIRECT INJECTION (IE50)	00 >	N24EXR-B	4225	0,9	IU24/IU24A	
50 CC – SR 50 LC (STEALTH/NETSCAPER/RACING)		MINARELLI ENGINE 2 STROKE LIQUID COOLED	97 >	W24FSR	4037	0,7	IWF24	5380
50 CC – SR 50 R - FACTORY / REPLICIA SBK		PIAGGIO PUREJET ENGINE 2-STROKE DIRECT INJECTION (IE361)	04 >	W27ESR	6069	0,6	IW27	5317
50 CC – SR 50 R - FACTORY / REPLICIA SBK		CARBURATOR, 2 STROKE, LIQUID COOLED (C364)	04 > 05	U24ESR-NB	4223	0,6	IU24	5362
50 CC – SX 50		6M ENGINE LIQUID COOLED	06 >	W24ESR-U	4033	0,7	IW24	5316
50 CC – TUAREG 50 / RALLY 50 / WIND 50			87 > 98	W27ESR-U	4045	0,6	IW27	5317
50 CC – TUONO 50			93 >	W27ESR-U	4045	0,7	IW27	5317
100 CC – SCARABEO 100		MINARELLI/YAMAHA ENGINE 2-STROKE, AC	00 > 02	W24FSR	4037	0,6	IWF24	5380
100 CC – SCARABEO 100 E2/E3/NET		PIAGGIO ENGINE 4-STROKE, AC	00 >	U24ESR-NB	4223	0,7	IU24	5362
125 CC – 125 AS / -R / -ST / -STX			85 >	W22ESR-U	3098	0,6	-	
125 CC – 125 STRADA				W27ESR-U	4045	0,6	IW27	5317
125 CC – AF1 125 /-R / -SINTESI		ROTAX ENGINE 123	88 >	W29ES-V		0,5	IW29	5318
125 CC – AF1 125 PROJECT 108		ROTAX ENGINE 127V	87 > 88	-		0,6	IW31	5319
125 CC – AF1 125 REPLICIA 89		ROTAX ENGINE 123	87 >	W29ES-V		0,6	IW29	5318
125 CC – AF1 FUTURA / SPORT PRO / REPLICIA / EXTREMA		ROTAX ENGINE 123	90 >	W29ES-V		0,5	IW29	5318
125 CC – AS 125 R			85 > 87	W27ESR-U	4045	0,5	IW27	5317
125 CC – ATLANTIC 125 / 125 SPRINT		M245M & M23BM ENGINE	03 >	U24ESR-NB	4223	0,6	IU24	5362
125 CC – CLASSIC 125	8-11		95 > 02	-		0,6	IW31	5319
125 CC – ETX 125	11		84 > 98	W27ESR-U	4045	0,5	IW27	5317
125 CC – ETX 125		ROTAX ENGINE	99 > 02	W24ESR	6068	0,8	IW24	5316
125 CC – HABANA 125 (... / CUSTOM)	9	4V	96 >	U24ESR-N	4126	0,7	IU24	5362
125 CC – HABANA 125 (... / CUSTOM)		PIAGGIO ENGINE 2V	99 > 01	U22ESR-N	4174	0,7	IU22	5361
125 CC – LEONARDO 125 / ST		ROTAX 120 ENGINE LIQUID COOLED	95 > 99	U24ESR-N	4126	0,6	IU24	5362
125 CC – LEONARDO 125 / ST		ROTAX 120 ENGINE LIQUID COOLED	99 > 06	-		0,7	IU24	5362
125 CC – MOJITO (CUSTOM) 125		M192 / M574M ENGINE	02 >	U24ESR-NB	4223	0,8	IU24	5362
125 CC – MX 125			04 > 06	W24ESR-U	4033	0,6	IW24	5316
125 CC – PEGASO 125		ROTAX ENGINE 123	-	-		0,5	IW31	5319
125 CC – PEGASO 125		CAT	90 > 96	-		0,6	IW29	5318
125 CC – RED ROSE 125			87 > 98	-		0,6	IW31	5319
125 CC – RS 125 (MP)	11	ROTAX ENGINE 122, RESTRICTED	96 >	W24ESR-U	4033		IW24	5316
125 CC – RS 125 EXTREMA	25	ROTAX ENGINE 123	-	-			IW31	5319
125 CC – RS 125 EXTREMA / REPLICIA 125 / FULL POWER / TUONO	20-23	ROTAX ENGINE 122	93 >	-			IW31	5319
125 CC – RS 125 TUONO			99 > 05	W24ESR-U	4033		IW24	5316









	KW			Standard			Alternative	
								
APRILIA continued								
125 CC – RX 125			90 > 07	-		0,5	IW31	5319
125 CC – RX 125 (FULL POWER)	16	ROTAX ENGINE 122	08 >	-		0,7	IW31	5319
125 CC – RX 125 (STANDARD)	11	ROTAX ENGINE 122	08 >	W24ESR-U	4033	0,7	IW24	5316
125 CC – SCARABEO 125		APRILIA ENGINE LIQUID COOLED	03 >	U24ESR-NB	4223	0,7	IU24	5362
125 CC – SCARABEO 125 / GT		ROTAX ENGINE LIQUID COOLED	96 > 04	U24ESR-N	4126	0,7	IU24	5362
125 CC – SCARABEO 125 I.E.		APRILIA ENGINE CA03	09 >	U24ESR-NB	4223	0,7	IU24	5362
125 CC – SPORTCITY 125 / CUBE 125		M281M ENGINE LIQUID COOLED	04 >	U22ESR-N	4174	0,7	IU22	5361
125 CC – SPORTCITY ONE 125		M38AM ENGINE AIR COOLED	08 >	U24ESR-NB	4223	0,7	IU24	5362
125 CC – SR 125		APRILIA ENGINE 2-STROKE AIR COOLED	92 >	W24ESR-U	4033	0,6	IW24	5316
125 CC – ST 125 / STX 125			82 > 98	W27ESR-V	4049	0,5	IW27	5317
125 CC – SX 125 (FULL POWER)	16	ROTAX ENGINE 122	08 >	-		0,7	IW31	5319
125 CC – SX 125 (STANDARD)	11	ROTAX ENGINE 122	08 >	W24ESR-U	4033	0,7	IW24	5316
125 CC – TUAREG 125			86 > 90	W29ES-V		0,5	IW29	5318
125 CC – TUAREG RALLY 125		ROTAX ENGINE 127-GS	91 > 98	W29ES-V		0,5	IW29	5318
125 CC – TUONO 125			03 >	W24ESR-U	4033	0,7	IW24	5316
150 CC – LEONARDO 150 / ST		ROTAX 154 ENGINE LIQUID COOLED	96 > 99	U24ESR-N	4126	0,6	IU24	5362
150 CC – LEONARDO 150 / ST	10	ROTAX 154 ENGINE LIQUID COOLED	99 > 06	-		0,7	IU24	5362
150 CC – MOJITO (CUSTOM) 150			99 >	U24ESR-NB	4223	0,7	IU24	5362
150 CC – MOJITO 150		M191 ENGINE	03 > 06	U22ESR-NB	4231	0,8	IU22	5361
150 CC – SCARABEO 150		PIAGGIO ENGINE LIQUID COOLED	03 >	U24ESR-NB	4223	0,7	IU24	5362
150 CC – SCARABEO 150		ROTAX ENGINE LIQUID COOLED	99 > 04	U24ESR-N	4126	0,7	IU24	5362
150 CC – SR 150		APRILIA 2-STROKE AIR COOLED	92 >	W24ESR-U	4033	0,6	IW24	5316
200 CC – SCARABEO 200		ROTAX ENGINE	00 > 09	U24ESR-N	4126	0,7	IU24	5362
200 CC – SCARABEO 200 I.E.		APRILIA CA03 ENGINE	09 >	U24ESR-NB	4223	0,7	IU24	5362
200 CC – SPORT CITY 200		M282M ENGINE	04 >	U22ESR-N	4174	0,7	IU22	5361
200 CC – SPORTCITY 200 / CUBE 200		M282M ENGINE LIQUID COOLED	04 >	U22ESR-N	4174	0,7	IU22	5361
240 CC – TX 240 / -M				W16EPR-U	3021	0,6	IW16	5305
244 CC – ATLANTIC 250 I.E.		M23AM ENGINE	04 > 09	U24ESR-NB	4223	0,7	IU24	5362
250 CC – 250 GP				W29ES-V		0,5	IW29	5318
250 CC – ATLANTIC 250 / 250 SPRINT		M237M ENGINE	03 >	U24ESR-NB	4223	0,7	IU24	5362
250 CC – CROSS 250				-		0,6	IW27	5317
250 CC – LEONARDO 250 / ST		LIQUID COOLED	99 > 06	X24ESR-U	4101	0,6	IX24	5372
250 CC – RS 250			95 > 03	W27EMR-C	4159	0,7	IWM27	5392
250 CC – RX 250			85 > 87	W29ES-V		0,5	IW29	5318
250 CC – SCARABEO 250		M 285M	04 >	U24ESR-NB	4223	0,7	IU24	5362
250 CC – SPORTCITY 250 I.E.		ELECTRONIC INJECTION	06 > 08	-		0,7	IU24	5362
250 CC – SPORTCITY CUBE 250		M288M ENGINE LIQUID COOLED	08 >	-		0,8	IU22	5361
250 CC – TUAREG 250 / RALLY		ROTAX 244-GS ENGINE	85 > 98	W29ES-V			IW29	5318
265 CC – LEONARDO 300 / ST		LIQUID COOLED	99 > 06	X24ESR-U	4101	0,6	IX24	5372
276 CC – CLIMBER 280			89 > 98	W16EPR-U	3021	0,7	IW16	5305
276 CC – TX 300			> 86	W16EPR-U	3021	0,7	IW16	5305
276 CC – TX 311 M			> 87	W16EPR-U	3021	0,7	IW16	5305
276 CC – TXR 312 M			> 90	W16EPR-U	3021	0,5	IW16	5305
278 CC – ATLANTIC 300 I.E.		M625M ENGINE ELECTRONIC INJECTION	09 >	U24ETR	4158	0,7	IU24A	5365
278 CC – SCARABEO 300 SPECIAL			09 >	-		0,7	IU24A	5365
300 CC – SPORTCITY CUBE 300		M28LM ENGINE LIQUID COOLED	08 >	U24ETR	4158	0,8	IU24A	5365
320 CC – TL 320			80 > 86	W16EPR-U	3021	0,5	IW16	5305
320 CC – TR 311				W16ESR-U	3110	0,6	IW16	5305
320 CC – TR 320			81 >	W31ESR-U	4176	0,5	IW31	5319
349 CC – ETX 350			85 > 89	X24ESR-U	4101	0,6	IX24	5372
349 CC – EXT 350			85 > 98	X24ESR-U	4101	0,5	IX24	5372
349 CC – TUAREG 350 / RALLY / WIND / ETX			87 > 98	X24ESR-U	4101	0,6	IX24	5372
349 CC – WIND			87 > 98	X24ESR-U	4101	0,5	IX24	5372
399 CC – ATLANTIC 400 SPRINT		M520 ENGINE	06 >	U24ESR-NB	4223	0,7	IU24	5362
400 CC – SCARABEO 400			06 >	U24ESR-NB	4223	0,7	IU24	5362
449 CC – RXV 450		45RX ENGINE 4-STROKE V-TWIN	06 > 08	U24ESR-NB	4223	0,7	IU24	5362
449 CC – RXV 450		45RX ENGINE 4-STROKE V-TWIN	08 > 10	U24ETR	4158	0,7	IU24A	5365
449 CC – SVX 450		45RX ENGINE 4-STROKE V-TWIN	06 > 08	U24ESR-NB	4223	0,7	IU24	5362
449 CC – SVX 450		45RX ENGINE 4-STROKE V-TWIN	08 > 10	U24ETR	4158	0,7	IU24A	5365
450 CC – RXV 4.5		45RX ENGINE 4-STROKE V-TWIN	10 >	U24ETR	4158	0,7	IU24A	5365
450 CC – RXV 5.5		55RX ENGINE 4-STROKE V-TWIN	10 >	U24ETR	4158	0,7	IU24A	5365
460 CC – ATLANTIC 500 SPRINT	29	M346M ENGINE	02 >	U24ESR-NB	4223	0,7	IU24	5362
460 CC – SCARABEO 500 ABS++			03 > 06	U24ESR-NB	4223	0,7	IU24	5362
493 CC – SCARABEO 500			07 >	U22ETR	4201	0,8	IU22	5361
550 CC – SVX 4.5		45RX ENGINE 4-STROKE V-TWIN	10 >	U24ETR	4158	0,6	IU24A	5365
550 CC – SVX 5.5		55RX ENGINE 4-STROKE V-TWIN	10 >	U24ETR	4158	0,6	IU24A	5365
553 CC – RXV 550		55RX ENGINE 4-STROKE V-TWIN	06 > 08	U24ESR-NB	4223	0,7	IU24	5362
553 CC – RXV 550		55RX ENGINE 4-STROKE V-TWIN	08 > 10	U24ETR	4158	0,7	IU24A	5365









	KW			Standard			Alternative		
									
APRILIA continued									
553 CC – SXV 550		55RX ENGINE 4-STROKE V-TWIN	06 > 08	U24ESR-NB	4223	0,7	IU24	5362	
553 CC – SXV 550		55RX ENGINE 4-STROKE V-TWIN	08 > 10	U24ETR	4158	0,7	IU24A	5365	
562 CC – TUAREG 600 WIND			88 > 98	X24ESR-U	4101	0,6	IX24	5372	
600 CC – PEGASO 600	33		90 > 98	X24ESR-U	4101	0,6	IX24	5372	
650 CC – MOTO 6.5 (STARCK)			95 > 02	X24ESR-U	4101	0,6	IX24	5372	
650 CC – PEGASO 650 / GA / MX	25-36	ROTAX ENGINE 655	92 > 96	X24ESR-U	4101	0,6	IX24	5372	
650 CC – PEGASO 650 I.E. / CUBE / ML	25-36	ROTAX 655 ENGINE (+ = ADD TERMINAL)	96 > 05	X24ESR-U+	4101	0,7	IX24	5372	
650 CC – PEGASO 650 I.E. STRADA / TRAIL / FACTORY	37		05 >	U22ESR-N	4174	0,8	IU22	5361	
750 CC – DORSODURO 750-ABS / ... FACTORY-ABS			08 >	U22ETR	4201	0,7	IU22	5361	
750 CC – SL 750 SHIVER / SHIVER 750 / ... -ABS / SHIVER GT	71	M551M ENGINE	07 >	U22ETR	4201	0,7	IU22	5361	
750 CC – SMV 750 DORSODURO	67.3	(+ = ADD TERMINAL)	08 >	U22ETR+	4201	0,6	IU22	5361	
850 CC – NA 850 MANA / ...-ABS / MANA GT ABS	56	(+ = ADD TERMINAL)	07 >	U22ETR+	4201	0,7	IU22	5361	
996 CC – RSV 1000 SP	92-110	COSWORTH ENGINE	99 >	-		0,6	RU01-31	5739	
998 CC – ETV 1000 CAPONORD	72	TWIN SPARK	00 > 08	XU27EPR-U	3313	0,7	IXU27	5337	
998 CC – RST FUTURA 1000		TWIN SPARK	00 > 04	XU27EPR-U	3313	0,7	IXU27	5337	
998 CC – RSV 1000	72 - 94	TWIN SPARK	97 > 01	XU27EPR-U	3313	0,7	IXU27	5337	
998 CC – RSV 1000 / RSV TUONO / TUONO R / ERRE FACTORY	92	V990 ENGINE TWIN SPARK, 4-STROKE	99 > 09	XU27EPR-U	3313	0,8	IXU27	5337	
998 CC – RSV 1000 R / FACTORY	94	TWIN SPARK	97 > 09	XU27EPR-U	3313	0,7	IXU27	5337	
998 CC – SL 1000 FALCO	87	TWIN SPARK	99 >	XU27EPR-U	3313	0,7	IXU27	5337	
998 CC – TUONO 1000 / R / FACTORY		V990 NG ENGINE 4-STROKE	02 >	XU27EPR-U	3313	0,7	IXU27	5337	
999 CC – RSV4 1000 FACTORY / R	132	V4	09 >	U27ESR-NB	4224	0,7	IU27	5363	
1000 CC – RSV4 1000 FACTORY A-PRC SE		V4	10 >	U27ESR-NB	4224	0,7	IU27	5363	
1197 CC – DORSODURO 1200		M555M ENGINE V4	10 >	U24ETR	4158	0,7	IU24A	5365	
ARM									
125 CC – CROSS				-		0,5	IW34	5320	
125 CC – VELOCIDAD ENDURO				-		0,5	IW31	5319	
250 CC – VELOCIDAD ENDURO/CROSS				-		0,5	IW29	5318	
350 CC – ENDURO				-		0,5	IW29	5318	
AT MOTO									
50 CC – S 3800 (VELO SOLEX)	0.58		96 >	W20FSR-U	6053	0,6	IWF22	5379	
ATALA									
50 CC – BYTE (RT 10)			96 >	W20FPR-U	3070	0,6	IWF20	5378	
50 CC – CAROSELLO		LIQUID COOLED	97 >	W22FS-U	4025	0,6	IWF22	5379	
50 CC – GIRL / -LF / -LF 2M				W16FS-U	3034	0,5	IWF16	5359	
50 CC – GREEN / -LL / -LL 2M /				W16FS-U	3034	0,5	IWF16	5359	
50 CC – HACKER (AT 12)			96 >	W20FPR-U	3070	0,5	IWF20	5378	
50 CC – HACKER / HACKER RACING (AT 12 LC)		LIQUID COOLED	96 >	W20FPR-U	3070	0,6	IWF20	5378	
50 CC – IDEA WOW / UNO				W20FSR-U	6053	0,6	IWF22	5379	
50 CC – MASTER (LF)			96 >	W20FSR-U	6053	0,6	IWF22	5379	
50 CC – MASTER / -LL / -LF 2M / -LF / -TRE LD				W16FS-U	3034	0,5	IWF16	5359	
50 CC – RACING			96 >	W20FPR-U	3070	0,5	IWF20	5378	
50 CC – SKEGGIA			98 >	W20FPR-U	3070	0,6	IWF20	5378	
50 CC – UNO RK				W16FS-U	3034	0,5	IWF16	5359	
90 CC – CALIFFO DE LUXE / -MATIC 121				W20FSR-U	6053	0,5	IWF22	5379	
90 CC – CALIFFO SUPER LUX 73				W20FSR-U	6053	0,5	IWF22	5379	
90 CC – CALIFFO SUPER MONOMARCIA				W20FSR-U	6053	0,5	IWF22	5379	
90 CC – CALIFFONE / CROSS SATAN 71				W20FSR-U	6053	0,5	IWF22	5379	
90 CC – MIRAGE P4 DAYTONA / RINGO				W20FSR-U	6053	0,5	IWF22	5379	
90 CC – SUPER SPRINT MIRAGE				W20FSR-U	6053	0,5	IWF22	5379	
90 CC – TURISMO MONOMARCIA / ZUM 3				W20FSR-U	6053	0,5	IWF22	5379	
125 CC – CROSS (CONGUARO) / TURISMO				W22ESR-U	3098	0,5	-		
ATK									
50 CC – MINI CROSS		2-Stroke	99 > 01	W22FS-U	4025	0,5	IWF22	5379	
50 CC – MX		2-Stroke	99 > 03	W22FS-U	4025	0,5	IWF22	5379	
50 CC – MXR		2-Stroke	01 > 02	W22FS-U	4025		IWF22	5379	
125 CC – ENDURO		4-STROKE, LIQUID COOLED	03 >	X24ESR-U	4101		IX24	5372	
250 CC		2-STROKE, AIR COOLED	88 > 96	W24ESR-U	4033	0,5	IW24	5316	
250 CC		2-STROKE, LIQUID COOLED	95 > 03	W24ESR-U	4033	0,5	IW24	5316	
260 CC		2-STROKE, LIQUID COOLED	95 > 02	W24ESR-U	4033	0,5	IW24	5316	
350 CC – CROSS COUNTRY		4-STROKE	91 > 99	X24ESR-U	4101	0,6	IX24	5372	
350 CC – ENDURO		4-STROKE	91 > 02	X24ESR-U	4101	0,7	IX24	5372	
400 CC		2-STROKE	88 > 99	W24ESR-U	4033	0,5	IW24	5316	
450 CC		2-STROKE, AIR COOLED	03 > 03	W24ESR-U	4033		IW24	5316	
450 CC – MX			03 >	U27ETR	4155	0,8	IU27A	5366	









	KW			Standard			Alternative	
								
ATK continued								
450 CC – XC			03 >	U27ETR	4155	0,8	IU27A	5366
500 CC – DIRT TRACK		4-STROKE	99 > 03	X24ESR-U	4101	0,6	IX24	5372
500 CC – ENDURO		4-STROKE	98 > 03	X24ESR-U	4101	0,7	IX24	5372
500 CC – SUPERMOTARD		4-STROKE	01 > 02	X24ESR-U	4101	0,7	IX24	5372
560 CC		4-STROKE	88 > 92	X24ESR-U	4101	0,7	IX24	5372
560 CC			93 >	X24ESR-U	4101	0,5	IX24	5372
600 CC – CROSS COUNTRY		4-STROKE	93 > 00	X24ESR-U	4101	0,5	IX24	5372
600 CC – DIRT TRACK		4-STROKE, AIR COOLED	98 > 03	X24ESR-U	4101	0,6	IX24	5372
600 CC – ENDURO		4-STROKE, AIR COOLED	93 > 03	X24ESR-U	4101	0,6	IX24	5372
600 CC – SUPERMOTARD		4-STROKE	01 > 02	X24ESR-U	4101	0,7	IX24	5372
600 CC – SUPERMOTARD			03 >	U27ETR	4155	0,8	IU27A	5366
AVIAN								
125 CC – RM 125		TAU MOTOR		-		0,5	IW31	5319
250 CC – RM 250		TAU MOTOR		-		0,5	IW24	5316
BAJAJ CHETAK								
50 CC – SPIRIT 50			99 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – SUNNY 25	0.8		96 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – SUNNY 50	1.7		93 >	W20FSR-U	6053	0,5	IWF22	5379
111 CC – CALIBER	5.6		98 >	U24FSR-U	4010	0,7	IUF24	5384
125 CC – CLASSIC / 125			96 >	W20FPR-U	3070	0,6	IWF20	5378
150 CC – CLASSIC / 150			96 >	W16FPR-U	4192	0,6	IWF16	5359
150 CC – CLASSIC 150 ELECTRONIC			96 >	W16FPR-U	4192	0,7	IWF16	5359
BAOTIAN								
50 CC – BT49QT-11 (RETRO)				U22FSR-U	4008	0,6	IUF22	5383
50 CC – BT49QT-12C1				U22FSR-U	4008	0,6	IUF22	5383
50 CC – BT49QT-12D1				U22FSR-U	4008	0,6	IUF22	5383
50 CC – BT49QT-12E1 (2V)				U22FSR-U	4008	0,6	IUF22	5383
50 CC – BT49QT-12F1 (2V)				U22FSR-U	4008	0,6	IUF22	5383
50 CC – BT49QT-2				U22FSR-U	4008	0,6	IUF22	5383
50 CC – BT49QT-7A1				U22FSR-U	4008	0,6	IUF22	5383
50 CC – BT49QT-9D1 / 2				U22FSR-U	4008	0,6	IUF22	5383
50 CC – COBRA 49			07 >	U22FSR-U	4008	0,6	IUF22	5383
50 CC – F3 MOTORSPORT			07 >	U22FSR-U	4008	0,6	IUF22	5383
50 CC – REBEL 49			07 >	U22FSR-U	4008	0,6	IUF22	5383
110 CC – BT110-2			04 >	U22FSR-U	4008	0,6	IUF22	5383
125 CC – BT125QT-2B				U22FSR-U	4008	0,6	IUF22	5383
125 CC – BT125T-12C1				U22FSR-U	4008	0,6	IUF22	5383
125 CC – BT125T-7				U22FSR-U	4008	0,6	IUF22	5383
125 CC – CITYBIKE 125			04 >	U22FSR-U	4008	0,6	IUF22	5383
125 CC – REBEL 125			07 >	U22FSR-U	4008	0,6	IUF22	5383
125 CC – TANCO 125			04 >	U22FSR-U	4008	0,6	IUF22	5383
125 CC – TANCO 125			04 >	U22FSR-U	4008	0,6	IUF22	5383
BATAVUS								
50 CC – 650 (JLO)				W16FPR-U	4192	0,5	IWF16	5359
50 CC – BATAVETTE 21 / -VA / -BINGO / -BRONCO				W16FPR-U	4192	0,5	IWF16	5359
50 CC – GO-GO / GTS		50 KM/H		W24ESR-U	4033	0,5	IW24	5316
50 CC – HS / -50		30 / 40 KM/H		W16FPR-U	4192	0,5	IWF16	5359
50 CC – HS 50 / MK		50 KM/H		W24ESR-U	4033	0,5	IW24	5316
50 CC – M 40 / MINI-BATAVETTE / MK 2				W16FPR-U	4192	0,5	IWF16	5359
50 CC – MOSQUITO / MOT-O-MAT / PRONTO				W16FPR-U	4192	0,5	IWF16	5359
50 CC – SAXONETTE / STARFLITE / TS-49				W16FPR-U	4192	0,5	IWF16	5359
50 CC – STM		FICHTEL & SACHS ENGINE		W24FS-U	4038	0,5	IWF24	5380
50 CC – TRANSPORT (IIO-FM48)				W16FPR-U	4192	0,5	IWF16	5359
50 CC – TS 90 S / 50 S / -SPORT		FICHTEL & SACHS ENGINE		W24FS-U	4038	0,5	IWF24	5380
BENELLI (-MOTOBI)								
50 CC – 491 .. / GT / ARMY / ST		AIR COOLED	97 >	W22FSR	4024	0,6	IWF22	5379
50 CC – 491 .. / SPORT / RACING / RR		LIQUID COOLED	97 >	W24FSR	4037	0,6	IWF24	5380
50 CC – AMERICA				W22ESR-U	3098	0,5	-	
50 CC – BOBO / CADDY				W16ESR-U	3110	0,5	IW16	5305
50 CC – CITY BIKE / -EXPORT FA / -KS				W22ESR-U	3098	0,5	-	
50 CC – CROSS				W16ESR-U	3110	0,5	IW16	5305
50 CC – EXPORT 3V				W24ESR-U	4033	0,5	IW24	5316
50 CC – EXPORT 3VK				W16ESR-U	3110	0,5	IW16	5305
50 CC – EXPORT TRIAL				W22ESR-U	3098	0,5	-	
50 CC – FIREBALL / -TRALL				W22ESR-U	3098	0,5	-	
50 CC – G 2 / -ELLE / -PEDALI			83 > 90	W20FSR-U	6053	0,5	IWF22	5379
50 CC – GENTLEMAN / MAGNUM 5V				W16ESR-U	3110	0,5	IW16	5305
50 CC – K-2		AIR COOLED	97 >	W22FSR	4024	0,6	IWF22	5379









	KW			Standard			Alternative	
								
BENELLI (-MOTOBI) continued								
50 CC – K-2 LC		LIQUID COOLED	97 >	W24FSR	4037	0,6	IWF24	5380
50 CC – LASER			84 > 90	W20FSR-U	6053	0,5	IWF22	5379
50 CC – MAGNUM 3V / MINI CROSS				W22ESR-U	3098	0,5	-	
50 CC – MINI BIKE / MONACO / SPRINT				W22ESR-U	3098	0,5	-	
50 CC – MOTORELLA GL / TURISMO 50				W16ESR-U	3110	0,5	IW16	5305
50 CC – PEPE 50		AIR COOLED	99 >	W24FSR	4037	0,7	IWF24	5380
50 CC – PEPE 50 CLASSIC			10 >	W22FSR	4024	0,6	IWF22	5379
50 CC – QUATTRONOVE X 50 OFFROAD			08 >	W24FSR	4037	0,7	IWF24	5380
50 CC – QUATTRONOVE X 50 ONROAD			08 >	W24FSR	4037	0,7	IWF24	5380
50 CC – S 50			81 > 90	W20FSR-U	6053	0,5	IWF22	5379
50 CC – SCOOTY			93 >	W22FS-U	4025	0,6	IWF22	5379
50 CC – SPRING 50				W24ESR-U	4033	0,5	IW24	5316
70 CC – COUGAR / DYNAMO COMPACT				W22ESR-U	3098	0,5	-	
70 CC – HORNET / SCRAMBLER WOODS				W22ESR-U	3098	0,5	-	
80 CC – ANTILOPE				W22ESR-U	3098	0,5	-	
90 CC – BANSHEE MINI ENDURO / -TURISMO				W24ESR-U	4033	0,5	IW24	5316
90 CC – TRIAL				W24ESR-U	4033	0,5	IW24	5316
100 CC – GAZELLE / PRILLA OLIMPIA				W22ESR-U	3098	0,5	-	
100 CC – K-2 100		AIR COOLED	99 >	W24FSR	4037	0,7	IWF24	5380
100 CC – TRIAL-TURISMO				W22ESR-U	3098	0,5	-	
125 CC – 125				W20FSR-U	6053	0,5	IWF22	5379
125 CC – 125 2C				W22ESR-U	3098	0,5	-	
125 CC – 125 C / -SE / -SV CROSS		2-STROKE		W24ESR-U	4033	0,5	IW24	5316
125 CC – 125 CROSS / -SPORT 'S' 5V				W22ESR-U	3098	0,5	-	
125 CC – 125 ENDURO / -TURISMO				W22ESR-U	3098	0,5	-	
125 CC – 125 S				W22ESR-U	3098	0,5	-	
125 CC – 125 SV TURISMO		2-STROKE		W24ESR-U	4033	0,5	IW24	5316
125 CC – 125 T / -SPORT				W24ESR-U	4033	0,5	IW24	5316
125 CC – COBRA CALIF / -SCR				W22ESR-U	3098	0,5	-	
125 CC – EL DIABLO				W24ESR-U	4033	0,5	IW24	5316
125 CC – LEONCINA CROSS SPORT SPECIAL				W24ESR-U	4033	0,5	IW24	5316
125 CC – LEONCINA CROSS SPORT SPECIAL 125				W20ESR-U	3057	0,5	IW20	5306
125 CC – MACIS 125			10 >	U24ESR-N	4126	0,6	IU24	5362
125 CC – OLIMPIA				W24ESR-U	4033	0,5	IW24	5316
125 CC – PANTHER				W22ESR-U	3098	0,5	-	
125 CC – SPRITE 4 / -5 / SPRITE CALIF				W24ESR-U	4033	0,5	IW24	5316
125 CC – VELVET 125		(STANDARD)	98 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – VELVET 125		(CITY DRIVING = OPTION)	98 >	X22ESR-U	4091	0,7	IX22	5371
125 CC – VELVET ECO 125			99 >	U24ESR-N	4126	0,6	IU24	5362
150 CC – ADIVA 150				U24ESR-NB	4223	0,6	IU24	5362
150 CC – MACIS 150			10 >	U24ESR-N	4126	0,6	IU24	5362
150 CC – VELVET 150 / ECO			07 >	U24ESR-N	4126	0,6	IU24A	5365
175 CC – ENDURO				W22ESR-U	3098	0,5	-	
180 CC – 4 / 5 CALIFORNIA / -OLIMPIA				W24ESR-U	4033	0,5	IW24	5316
180 CC – VOLCANO				W24ESR-U	4033	0,5	IW24	5316
200 CC – SPRITE / SPRITE CALIFORNIA				W24ESR-U	4033	0,5	IW24	5316
200 CC – SPRITE EL DIABLO				W24ESR-U	4033	0,5	IW24	5316
230 CC – 304			82 >	W22FS-U	4025	0,6	IWF22	5379
250 CC – 250				W20ESR-U	3057	0,5	IW20	5306
250 CC – 250 2C / -2CE / -SPORT SPECIAL			78 >	W22ESR-U	3098	0,5	-	
250 CC – 250 QUATTRO			77 > 80	W22FS-U	4025	0,6	IWF22	5379
250 CC – 254			80 > 83	W22FS-U	4025	0,6	IWF22	5379
250 CC – BARRACUDA 4/5 SPEED CALIF				W24ESR-U	4033	0,5	IW24	5316
250 CC – CAFFÉ NERO 250			08 >	X24EPR-U9	4096	0,9	IX24B	5376
250 CC – EL DIABLO / PHANTOM / SPRITE				W24ESR-U	4033	0,5	IW24	5316
250 CC – SUPER SPORT				W24ESR-U	4033	0,5	IW24	5316
250 CC – VELVET 250			08 >	X24EPR-U9	4096	0,9	IX24B	5376
250 CC – VELVET 250 / ECO		4-STROKE	98 > 07	X24ESR-U	4101	0,7	IX24	5372
350 CC – 350 RS / 354 SPORT				X24ESR-U	4101	0,5	IX24	5372
500 CC – 500 QUATTRO / -LS / 504				X24ESR-U	4101	0,5	IX24	5372
500 CC – 504 SPORT				X24ESR-U	4101	0,5	IX24	5372
650 CC – 654 / SPORT / 4C			80 >	X24ESR-U	4101	0,5	IX24	5372
650 CC – TORNADO 650 / S / SV				W20ESR-U	3057	0,5	IW20	5306
750 CC – 750 SEI			74 > 81	X24ESR-U	4101	0,5	IX24	5372
900 CC – 900 SEI VT/NT			74 > 92	X24ESR-U	4101	0,5	IX24	5372
900 CC – 900 TRE TORNADO	101 -104		99 >	U27ESR-N	4131	0,8	IU27A	5366
900 CC – CENTURY RACER 899			10 >	U27ESR-N	4131	0,7	IU27	5363
900 CC – TNT 899 / CAFÉ RACER / SPORT	72		07 >	U27ESR-N	4131	0,8	IU27A	5366









	KW			Standard			Alternative	
								
BENELLI (-MOTOBI) continued								
900 CC – TORNADO 900 / LIMITED EDITION			00 > 05	U27ESR-N	4131	0,7	IU27	5363
900 CC – TORNADO RS / LE / TRE			05 >	U22ESR-N	4174	0,6	IU22	5361
900 CC – TRE 899 K	72		07 >	U27ESR-N	4131	0,8	IU27A	5366
1130 CC – CAFÉ 1130 RACER	101		07 >	U27ESR-N	4131	0,8	IU27A	5366
1130 CC – CENTURY RACER 1130			10 >	U27ESR-N	4131	0,7	IU27	5363
1130 CC – TNT 1130	101		04 >	U27ESR-N	4131	0,8	IU27A	5366
1130 CC – TNT 1130 R160			09 >	U27ESR-N	4131	0,7	IU27	5363
1130 CC – TNT 1130 SPORT (EVO)	101		07 >	U27ESR-N	4131	0,8	IU27A	5366
1130 CC – TORNADO TRE 1130	120			U27ESR-N	4131	0,7	IU27	5363
1130 CC – TRE 1130 K	92		07 >	U27ESR-N	4131	0,8	IU27A	5366
BENETTI								
50 CC – STILO/AL				W20FSR-U	6053	0,5	IWF22	5379
BERINI								
50 CC – VEV 600 GARELLA / -GS				W16FPR-U	4192	0,5	IWF16	5359
BETA (BETAMOTOR)								
50 CC – 50 RR			98 >	W31ESR-U	4176	0,5	IW31	5319
50 CC – AE 50 / MX 50 / ZERO 50				W27ESR-U	4045	0,5	IW27	5317
50 CC – ALP 50			93 >	W24ESR-U	4033	0,5	IW24	5316
50 CC – ARK			96 >	W22FSR	4024	0,6	IWF22	5379
50 CC – ARK AC ONE / PADDOCK / TRIBE / SKULL		AIR COOLED	08 >	W24FSR	4037	0,6	IWF24	5380
50 CC – ARK LC		LIQUID COOLED	96 >	W24FSR	4037	0,6	IWF24	5380
50 CC – ARK LC ONE / PADDOCK / TRIBE / SKULL / RR		LIQUID COOLED	09 >	W24FSR	4037	0,6	IWF24	5380
50 CC – B 12 / -BOY CROSS / -BOY SPECIAL				W16FPR-U	4192	0,5	IWF16	5359
50 CC – BAD				W27ESR-U	4045	0,5	IW27	5317
50 CC – BAMBY / HOLLY L / -TT / PULLMAN				W16FPR-U	4192	0,5	IWF16	5359
50 CC – C 402 / -CROSS SPEC / -4M / -5				W22FS-U	4025	0,5	IWF22	5379
50 CC – CAMOSCIO / -GAZZELLA TV / -CROSS				W22FS-U	4025	0,5	IWF22	5379
50 CC – CHRONO 502			96 >	W22FSR	4024	0,6	IWF22	5379
50 CC – EIKON 50			99 >	W24FSR	4037	0,6	IWF24	5380
50 CC – ENDURO RR 50		LIQUID COOLED	99 >	W27ESR(B)	6069	0,6	IW27	5317
50 CC – GAZZELLA 3V / HOBBY HOLY / SL5				W16FPR-U	4192	0,5	IWF16	5359
50 CC – KR-50				W20ESR-U	3057	0,5	IW20	5306
50 CC – MINICROSS 10/10 / 12/15			99 >	W24FS-U	4038	0,6	IWF24	5380
50 CC – MINITRIAL			99 >	W24FS-U	4038	0,6	IWF24	5380
50 CC – MX 4 / -5 / -6 / TR 5			80 >	W22FS-U	4025	0,5	IWF22	5379
50 CC – MX 50			93 >	W27ESR-U	4045	0,5	IW27	5317
50 CC – QUADRA / TRACK FINDER			93 >	W22FSR	4024	0,6	IWF22	5379
50 CC – REV		2-STROKE	00 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – RK-6			95 >	W24ESR-U	4033	0,5	IW24	5316
50 CC – RR 50 / SUPERMOTARD			98 >	W31ESR-U	4176	0,7	IW31	5319
50 CC – RR 50 MOTARD STANDARD			09 >	W27ESR	6069	0,6	IW27	5317
50 CC – RR 50 MOTARD TRACK			09 >	W27ESR	6069	0,6	IW27	5317
50 CC – ST 50				W24ESR-U	4033	0,5	IW24	5316
50 CC – SUPER TRIAL				W24ESR-U	4033	0,5	IW24	5316
50 CC – SUPERMOTARD 50		LIQUID COOLED	00 >	W31ESR-U	4176	0,8	IW31	5319
50 CC – TEMPO 50 (... / -13" / -16")				W22FSR	4024	0,5	IWF22	5379
50 CC – TR-50				W20ESR-U	3057	0,5	IW20	5306
50 CC – TRIAL CROSS T 5 / -TR 6 / TRIAL 5V				W22FS-U	4025	0,5	IWF22	5379
50 CC – ZERO 50				W27ESR-U	4045	0,5	IW27	5317
80 CC – EVO 80 / JUNIOR			08 >	W24ESR	6068	0,6	IW24	5316
80 CC – REV		2-STROKE	00 >	W27ESR-U	4045	0,6	IW27	5317
110 CC – CROSS / TV CROSS ITALIA				W22FS-U	4025	0,5	IWF22	5379
125 CC – ALP 125			07 >	U22FSR-U	4008	0,8	IUF22	5383
125 CC – ALP 125 FOUR STROKE			01 >	X24ESR-U	4101	0,8	IX24	5372
125 CC – EIKON 125			99 >	X22EPR-U9	4086	0,9	IX22B	5375
125 CC – ENDURO / -ES / -GS / -125 SG				W22FS-U	4025	0,5	IWF22	5379
125 CC – EURO 125			00 >	X24ESR-U	4101	0,8	IX24	5372
125 CC – EVO 125		2-STROKE	08 >	W22ESR-U	3098	0,6	-	
125 CC – JONATAN 125			99 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – MINICROSS R125 4T			08 >	U22FSR-U	4008	0,8	IUF22	5383
125 CC – MINIMOTARD R125 4T			09 >	U22FSR-U	4008	0,8	IUF22	5383
125 CC – REV 3			00 >	W24ESR-U	4033	0,5	IW24	5316
125 CC – RR 125 4T MOTARD			06 >	U22FSR-U	4008	0,8	IUF22	5383
125 CC – RR 125 ENDURO 4T			06 >	U22FSR-U	4008	0,8	IUF22	5383
125 CC – RR 125 ENDURO 4T LC			10 >	U24ESR-N	4126	0,7	IU24	5362
125 CC – TECHNO 125			95 >	W22EPR-U	3088	0,5	IW22	5307
125 CC – TECHNO 125		14:1 COMPRESSION KIT	98 >	W24ESR-U	4033	0,5	IW24	5316




	KW			Standard			Alternative	
								
BETA (BETAMOTOR) continued								
125 CC – TR-34 / ZERO 125				W24ESR-U	4033	0,5	IW24	5316
125 CC – TRIAL 125			97 >	W22EPR-U	3088	0,5	IW22	5307
125 CC – URBAN 125 / SPECIAL			09 >	U22FSR-U	4008	0,8	IUF22	5383
150 CC – EIKON 150			99 >	X22EPR-U9	4086	0,9	IX22B	5375
200 CC – ALP 200			01 >	X24ESR-U	4101	0,8	IX24	5372
200 CC – EVO 200		2-STROKE	08 >	W22ESR-U	3098	0,6	-	
200 CC – REV 3			00 >	W22EPR-U	3088	0,5	IW22	5307
200 CC – URBAN 200 / SPECIAL			08 >	X24ESR-U	4101	0,7	IX24	5372
240 CC – ALP 240				W24ESR-U	4033	0,5	IW24	5316
240 CC – SUPER TRIAL 240				W24ESR-U	4033	0,5	IW24	5316
240 CC – TR-33				W20ESR-U	3057	0,5	IW20	5306
250 CC – 250 CR / -GS				W22FS-U	4025	0,5	IWF22	5379
250 CC – ALP 250			97 >	W24ESR-U	4033	0,5	IW24	5316
250 CC – EVO 250 2T		2-STROKE	08 >	W22ESR-U	3098	0,6	-	
250 CC – EVO 250 4T		4-STROKE	08 >	-		0,8	IU22	5361
250 CC – REV 3			00 >	W22EPR-U	3088	0,5	IW22	5307
250 CC – RR 250			04 >	XU24EPR-U	3180	0,7	IXU24	5309
250 CC – SYNTH ALP 250 / TECHNO 250			97 >	W22EPR-U	3088	0,5	IW22	5307
250 CC – TECHNO 250				Q22PR-U	3010	0,5	IK22	5310
260 CC – ALP 260				W24ESR-U	4033	0,5	IW24	5316
260 CC – SUPER TRIAL				W24ESR-U	4033	0,5	IW24	5316
260 CC – SYNT 260				W24ESR-U	4033	0,5	IW24	5316
260 CC – TR-34 / CAMPIONATO			88 >	W24ESR-U	4033	0,5	IW24	5316
260 CC – ZERO				W24ESR-U	4033	0,5	IW24	5316
290 CC – EVO 290		2-STROKE	08 >	W22ESR-U	3098	0,6	-	
300 CC – EVO 300 4T			08 >	-		0,8	IU22	5361
350 CC – ALP 4.0		4-STROKE, AC	03 >	U27ETR	4155	0,7	IU27A	5366
350 CC – EURO 350		1-CYL. 4-STROKE	00 >	X24EPR-U9	4096	0,7	IX24B	5376
350 CC – JONATHAN 350				X24EPR-U9	4096	0,9	IX24B	5376
350 CC – MOTARD 4.0		4-STROKE, AC	03 >	U27ETR	4155	0,7	IU27A	5366
400 CC – RR 400		4-STROKE	04 >	XU24EPR-U	3180	0,7	IXU24	5309
450 CC – RR 450		4-STROKE	04 >	XU24EPR-U	3180	0,7	IXU24	5309
510 CC – RR 525		4-STROKE	04 >	XU24EPR-U	3180	0,7	IXU24	5309
BIG DOG								
1310 CC – ALL MODELS				W16EPR11	3425	1,1	IW16	5305
1440 CC – 88 CU IN				W16EPR11	3425	1,1	IW16	5305
1507 CC – ALL MODELS				W16EPR11	3425	1,1	IW16	5305
BIMOTA								
500 CC – V-DUE		(STANDARD)	00 >	W27ESR-U	4045	0,7	IW27	5317
500 CC – V-DUE		(COMPACT SPARK PLUG = OPTION)	00 >	W27EMR-C	4159	0,7	IWM27	5392
600 CC – YB-9 BELLARIA				U27ESR-N	4131	0,7	IU27	5363
600 CC – YB-9 SR			95 >	U27ESR-N	4131	0,7	IU27	5363
600 CC – YB-9 SRI	78		96 >	U27ESR-N	4131	0,7	IU27	5363
650 CC – BB 1 SUPERMONO	35		95 >	X24ESR-U	4101	0,7	IX24	5372
750 CC – DB-1 / S				W22FPR-U	4022	0,5	IWF22	5379
750 CC – SB 7			96 >	U27ETR	4155	0,7	IU27A	5366
750 CC – YB-4				X24ESR-U	4101	0,7	IX24	5372
851 CC – TESI 1	87		92 >	-		0,6	IX27	5373
900 CC – DB-2			92 >	XU24EPR-U	3180	0,7	IXU24	5309
900 CC – DB-2 SR				XU24EPR-U	3180	0,7	IXU24	5309
900 CC – DB-2 SR INJECTION			95 >	XU24EPR-U	3180	0,7	IXU24	5309
900 CC – DB-3 MANTRA	63		96 >	XU24EPR-U	3180	0,7	IXU24	5309
900 CC – DB-4	56		99 >	XU24EPR-U	3180	0,7	IXU24	5309
900 CC – TESI 1 D			95 >	-		0,6	IX27	5373
1000 CC – SB-8 R	103		97 >	U27ETR	4155	0,7	IU27A	5366
1000 CC – YB 10 DIECI BIPOSTO / FURANO			93 >	X24ESR-U	4101	0,7	IX24	5372
1000 CC – YB 11 'SUPERLEGGERA'	107		96 >	X24ESR-U	4101	0,7	IX24	5372
1000 CC – YB-6				X24ESR-U	4101	0,7	IX24	5372
1000 CC – YB-6 EXUP				X24ESR-U	4101	0,7	IX24	5372
1000 CC – YB-8 EXUP			95 >	X24ESR-U	4101	0,7	IX24	5372
1002 CC – YB 11 (YAMAHA)			96 > 98	X24ESR-U	4101	0,7	IX24	5372
1074 CC – SB-6 R	114		96 >	U27ESR-N	4131	0,7	IU27A	5366
1078 CC – DB 5R			10 >	XU24EPR-U	3180	0,9	IXU24	5309
1078 CC – DB 5S			10 >	XU24EPR-U	3180	0,9	IXU24	5309
1078 CC – DB 6R DELIRIO			08 >	XU24EPR-U	3180	0,9	IXU24	5309
1078 CC – TESI 3D			10 >	XU24EPR-U	3180	0,9	IXU24	5309
1100 CC – DB 5			05 > 06	XU24EPR-U	3180	0,9	IXU24	5309
1100 CC – DB 6			07 >	XU24EPR-U	3180	0,9	IXU24	5309









	KW			Standard			Alternative	
								
BIMOTA <i>continued</i>								
1100 CC – HB3		HONDA ENGINE	83 > 85	X27ESR-U	4116	0,8	IX27	5373
1100 CC – SB 6R		SUZUKI ENGINE	97 > 98	U27ESR-N	4131	0,7	IU27	5363
1100 CC – SB6		SUZUKI ENGINE	94 > 96	U27ESR-N	4131	0,7	IU27	5363
1150 CC – SB5		SUZUKI ENGINE	85 > 86	X27EPR-U9	4111	0,9	IX27B	5377
1150 CC – SB-5/S				X27EPR-U9	4111	0,9	IX27B	5377
1200 CC – YB-5				X24EPR-U9	4096	0,9	IX24B	5376
BMW								
125 CC – C 1			00 > 03	U24ESR-NB	4223	0,7	IU24	5362
180 CC – C 1 (200) (C2)			00 > 03	U24ESR-NB	4223	0,7	IU24	5362
192 CC – R 20 220/1			37 > 38	W20FSR-U	6053	0,7	IWF22	5379
192 CC – R 23 223/1			38 > 40	W20FSR-U	6053	0,7	IWF22	5379
250 CC – R 24			48 > 50	W24FS-U	4038	0,6	IWF24	5380
250 CC – R 25			50 > 51	W24FS-U	4038	0,6	IWF24	5380
250 CC – R 26		12.7 MM REACH	56 > 60	W24FS-U	4038	0,5	IWF24	5380
250 CC – R 27		12.7 MM REACH	60 > 67	W24FS-U	4038	0,5	IWF24	5380
250 CC – R 40964			51 > 53	W24FS-U	4038	0,6	IWF24	5380
250 CC – R 40993			53 > 56	W24FS-U	4038	0,6	IWF24	5380
250 CC – R 51/2			50 > 51	W24FS-U	4038	0,6	IWF24	5380
250 CC – R 51/3			51 > 54	W24FS-U	4038	0,6	IWF24	5380
250 CC – R26		19 MM REACH	56 > 60	W24ESR-U	4033	0,5	IW24	5316
250 CC – R27		19 MM REACH	60 > 67	W24ESR-U	4033	0,5	IW24	5316
305 CC – R 3 203/1			36 > 36	W20FSR-U	6053	0,7	IWF22	5379
450 CC – G 450 C / X	37	(+ = ADD TERMINAL)	08 >	U27ETR+	4155	0,7	IU27A	5366
475 CC – R 45	26		78 > 83	W22EPR-U	3088	0,5	IW22	5307
475 CC – R 45	20		78 > 85	W20EPR-U	3047	0,5	IW20	5306
494 CC – R 5 254			36 > 37	W22FS-U	4025	0,7	IWF22	5379
500 CC – R 50			55 > 69	W24FS-U	4038	0,6	IWF24	5380
500 CC – R 50 & R 51		(L=12.7MM THREAD)		W22FS-U	4025	0,5	IWF22	5379
500 CC – R 50 & R 51		(L=19.0MM THREAD)		W24ESR-U	4033	0,5	IW24	5316
500 CC – R 50 S			60 > 62	W24FS-U	4038	0,6	IWF24	5380
500 CC – R 50/5			69 > 73	W22EPR-U	3088	0,6	IW22	5307
500 CC – R 52			28 > 29	W20FSR-U	6053	0,6	IWF22	5379
600 CC – R 6 261			37 > 37	W20FSR-U	6053	0,7	IWF22	5379
600 CC – R 60			56 > 69	W24FS-U	4038	0,6	IWF24	5380
600 CC – R 60 / 5 / 6 / 7			> 78	W22EPR-U	3088	0,5	IW22	5307
600 CC – R 60 / -69		(L=12.7MM THREAD)		W24FS-U	4038	0,5	IWF24	5380
600 CC – R 60 / -69		(L=19.0MM THREAD)		W24ESR-U	4033	0,5	IW24	5316
600 CC – R 60/5			69 > 73	W22EPR-U	3088	0,6	IW22	5307
600 CC – R 60/6			73 > 76	W22EPR-U	3088	0,6	IW22	5307
600 CC – R 60/7			76 > 78	W22EPR-U	3088	0,6	IW22	5307
600 CC – R 67			51 > 51	W24FS-U	4038	0,6	IWF24	5380
600 CC – R 67/2			52 > 54	W24FS-U	4038	0,6	IWF24	5380
600 CC – R 67/3			55 > 56	W24FS-U	4038	0,6	IWF24	5380
600 CC – R 68			52 > 54	W24FS-U	4038	0,6	IWF24	5380
600 CC – R 69			55 > 60	W24FS-U	4038	0,6	IWF24	5380
600 CC – R 69S			60 > 69	W27ESR-U	4045	0,6	IW27	5317
650 CC – F 650	25-35	TWIN SPARK	93 > 99	X24ESR-U	4101	0,7	IX24	5372
650 CC – F 650 CS	37	(+ = ADD TERMINAL)	> 03	X24ESR-U+	4101		IX24	5372
650 CC – F 650 CS	37	TWIN SPARK (+ = ADD TERMINAL)	05 >	X24ESR-U+	4101		IX24	5372
650 CC – F 650 GS			> 04	X24ESR-U	4101		IX24	5372
650 CC – F 650 GS		TWIN SPARK (+ = ADD TERMINAL)	05 > 07	X24ESR-U+	4101		IX24	5372
650 CC – F 650 GS DAKAR			> 04	X24ESR-U	4101		IX24	5372
650 CC – F 650 GS DAKAR		TWIN SPARK (+ = ADD TERMINAL)	05 > 07	X24ESR-U+	4101		IX24	5372
650 CC – F 650 GS TWIN			09 >	XU24EPR-U	3180		IXU24	5309
650 CC – F 650 ST	35	TWIN SPARK	97 > 00	X24ESR-U	4101	0,6	IX24	5372
650 CC – G 650 X (CHALLENGE / COUNTRY / MOTO)	39	(+ = ADD TERMINAL)	07 > 10	X24ESR-U+	4101	0,7	IX24	5372
650 CC – R 65	20-35		78 >	W20EPR-U	3047	0,6	IW20	5306
650 CC – R 65	33-37		78 >	W22EPR-U	3088	0,5	IW22	5307
650 CC – R 65 LS			81 >	W22EPR-U	3088		IW22	5307
736 CC – R 16 SERIE 1-5			29 > 35	W20FSR-U	6053	0,7	IWF22	5379
736 CC – R 17 M60			35 > 37	MW17	5088	0,7	-	
745 CC – R 11 SERIE 1-5			29 > 34	W20FSR-U	6053	0,7	IWF22	5379
745 CC – R 12 2-VERGASER (M56S6&212)			35 > 42	W20FSR-U	6053	0,7	IWF22	5379
750 CC – K 75 / -C / -S / -RT			85 > 96	X24EPR-U9	4096	0,7	IX24B	5376
750 CC – R 71 (271/1)			38 > 41	W20FSR-U	6053	0,6	IWF22	5379
750 CC – R 75 / 5 / 6 / 7			> 78	W20EPR-U	3047	0,5	IW20	5306
800 CC – F 650 GS			08 >	XU24EPR-U	3180	0,9	IXU24	5309









	KW			Standard			Alternative	
								
BMW continued								
800 CC – F 800 GS / S / ST / R	62.5		06 >	XU24EPR-U	3180	0,9	IXU24	5309
800 CC – R 80 / -GS / -RT / -ST			82 > 95	W20EPR-U	3047	0,7	IW20	5306
800 CC – R 80 7N / 7S			77 > 81	W20EPR-U	3047	0,5	IW20	5306
800 CC – R 80 R			80 >	W20EPR-U	3047	0,7	IW20	5306
850 CC – R 850 C	45		95 > 02	K20TNR-S9	3305	0,8	IK20	5304
850 CC – R 850 R / RS / GS / S	25-52		01 >	K22TNR-S	3197	0,8	IK22	5310
850 CC – R 850 R / RS / GS / S	25-52		95 > 00	K22PBR-S	5062	0,8	IK22	5310
850 CC – R 850 RT			99 >	K22TNR-S	3197	-	IK22	5310
980 CC – R 100 / 7			> 78	W20EPR-U	3047	0,6	IW20	5306
980 CC – R 100 CS / R / RT / S / T			79 >	W22EPR-U	3088	0,5	IW22	5307
980 CC – R 100 GS / PD			88 > 93	W20EPR-U	3047	0,6	IW20	5306
980 CC – R 100 RS			76 > 86	W22EPR-U	3088	0,6	IW22	5307
980 CC – R 100 RS			86 >	W20EPR-U	3047	0,6	IW20	5306
980 CC – R 100 S / T			76 > 81	W22EPR-U	3088	0,6	IW22	5307
1000 CC – K 1	72-74	16V	89 > 93	X24EPR-U9	4096	0,7	IX24B	5376
1000 CC – K 100 LT / RT	65		83 > 92	X24EPR-U9	4096	0,7	IX24B	5376
1000 CC – K 100 RS	65		83 > 90	X24EPR-U9	4096	0,7	IX24B	5376
1000 CC – K 100 RS	72-74		90 > 93	X24EPR-U9	4096	0,7	IX24B	5376
1000 CC – R 100 GS			86 > 95	W20EPR-U	3047		IW20	5306
1000 CC – R 100 GSPD			88 > 95	W20EPR-U	3047		IW20	5306
1000 CC – R 100 MYS			94 > 95	W20EPR-U	3047		IW20	5306
1000 CC – R 100 R			94 >	W20EPR-U	3047	0,6	IW20	5306
1000 CC – R 100 RS			76 > 84	W22EPR-U	3088		IW22	5307
1000 CC – R 100 RS			85 > 93	W20EPR-U	3047		IW20	5306
1000 CC – R 100 RT			78 > 86	W22EPR-U	3088		IW22	5307
1000 CC – R 100 RT			87 > 95	W20EPR-U	3047		IW20	5306
1000 CC – R 100 S / T			76 > 80	W22EPR-U	3088	0,6	IW22	5307
1100 CC – K 1100 LT	72-74		92 > 98	X20EPR-U9	4125	0,7	IX22B	5375
1100 CC – K 1100 RS / RT	72-74		92 > 96	X20EPR-U9	4125	0,7	IX22B	5375
1100 CC – R 1100 GS	59		93 > 99	K22TNR-S	3197	0,8	IK22	5310
1100 CC – R 1100 R	59		94 > 01	K22TNR-S	3197	0,8	IK22	5310
1100 CC – R 1100 R / RS / RT / GS ("THROTTLE CABLE FIX")		(CITY DRIVING = OPTION)	92 > 01	K20TNR-S9	3305	0,9	IK20	5304
1100 CC – R 1100 RS / RT	66	(STANDARD)	92 > 01	K22TNR-S	3197	0,8	IK22	5310
1100 CC – R 1100 S		TWIN SPARK	03 >	K22TNR-S	3197		IK22	5310
1100 CC – R 1100 S		TWIN SPARK	03 >	XU22EPR-U	3179		IXU22	5308
1100 CC – R 1100 S	72		98 > 02	K22TNR-S	3197	0,8	IK22	5310
1100 CC – R 1100 S (ANTI SURGING / KFR)			98 > 02	-		1,0	VK22	5610
1100 CC – R 1100 S BOXER CUP NOT TWIN SPARK			02 > 03	K22TNR-S	3197	-	IK22	5310
1150 CC – R 1150 GS ADVENTURE	62.5		> 02	K22TNR-S	3197	0,9	IK22	5310
1150 CC – R 1150 R / RT / RS / GS	63		99 > 02	K22TNR-S	3197	0,8	IK22	5310
1150 CC – R 1150 R / RT / RS / GS (ANTI SURGING / KFR)	63		99 > 02	-		1,0	VK22	5610
1150 CC – R 1150 R ROCKSTER / R / RS / RT / GS / GS ADVENTURE		INTAKE SIDE TWIN SPARK (Ø 14MM THREAD)	03 >	K22TNR-S	3197	0,9	IK22	5310
1150 CC – R 1150 R ROCKSTER / R / RS / RT / GS / GS ADVENTURE		EXHAUST SIDE TWIN SPARK (Ø 12MM THREAD)	03 >	XU24EPR-U	3180	0,9	IXU24	5309
1170 CC – HP 2	77	INTAKE SIDE TWIN SPARK (Ø 14MM THREAD)	05 >	K22TNR-S	3197	0,9	IK22	5310
1170 CC – HP 2	77	EXHAUST SIDE TWIN SPARK (Ø 12MM THREAD)	05 >	XU24EPR-U	3180	0,9	IXU24	5309
1170 CC – HP2 MEGAMOTO	83		07 >	XU24EPR-U	3180	0,9	IXU24	5309
1200 CC – K 1200 GT			03 > 05	XU22EPR-U	3179	0,8	IXU22	5308
1200 CC – K 1200 GT	113		06 > 08	-		0,8	IXU27	5337
1200 CC – K 1200 LT	72 - 85		97 >	XU22EPR-U	3179	0,8	IXU22	5308
1200 CC – K 1200 R	122		05 > 08	-			IXU27	5337
1200 CC – K 1200 R SPORT			07 >	-		0,8	IXU27	5337
1200 CC – K 1200 RS	72 - 96		96 >	XU22EPR-U	3179	0,8	IXU22	5308
1200 CC – K 1200 S	123		04 > 08	-		0,8	IXU27	5337
1200 CC – R 1200 C	45		97 > 03	K22TNR-S	3197	0,9	IK22	5310
1200 CC – R 1200 C TWIN SPARK			03 >	K22TNR-S	3197		IK22	5310
1200 CC – R 1200 C TWIN SPARK			03 >	XU24EPR-U*	3180		IXU24	5309
1200 CC – R 1200 CL	62.5		> 03	K22TNR-S	3197	0,9	IK22	5310
1200 CC – R 1200 CL	62.5	TWIN SPARK	04 >	K22TNR-S	3197	0,9	IK22	5310
1200 CC – R 1200 CL	62.5	TWIN SPARK	04 >	XU22EPR-U	3179	0,9	IXU22	5308
1200 CC – R 1200 GS TWIN SPARK	74		04 > 09	XU24EPR-U	3180	-	IXU24	5309
1200 CC – R 1200 R	80	TWIN SPARK	07 > 10	XU24EPR-U	3180	0,9	IXU24	5309
1200 CC – R 1200 RT	81	TWIN SPARK	05 > 09	XU24EPR-U	3180	0,8	IXU24	5309









	KW			Standard			Alternative	
								
BMW continued								
1200 CC – R 1200 S	90	TWIN SPARK	06 >	XU24EPR-U	3180	0,9	IXU24	5309
1200 CC – R 1200 S	90		97 > 05	K22TNR-S	3197	0,8	IK22	5310
1200 CC – R 1200 ST	81	TWIN SPARK	05 >	XU24EPR-U	3180	0,9	IXU24	5309
1300 CC – K 1300 GT			09 >	-		0,8	IXU27	5337
1300 CC – K 1300 R			09 >	-		0,8	IXU27	5337
1300 CC – K 1300 S			09 >	-		0,8	IXU27	5337
BOOM TRIKE								
1600 CC – CLASSIC TRIKE CHOPPER FAMILY / LOW RIDER		VW ENGINE AIR COOLED CARBURATOR TUNED		W22FS-U	4025	0,6	IWF22	5379
1600 CC – CLASSIC TRIKE CHOPPER FAMILY / LOW RIDER		VW ENGINE AIR COOLED CARBURATOR STANDARD		W20FSR-U	6053	0,6	IWF22	5379
1600 CC – CLASSIC TRIKE CHOPPER FAMILY / LOW RIDER		VW ENGINE AIR COOLED INJECTION STANDARD		W16EPR-U	3021	0,8	IW16	5305
1600 CC – FIGHTER AUTOMATIK		FORD ENGINE		PT16VR13	5068	1,3	-	
BOSS HOSS								
4300 CC – V-6	194	TRIKE		T16PR-U	5025	0,7	ITF16	5330
4300 CC – V-6	194			T16PR-U	5025	0,7	ITF16	5330
5700 CC – BHC-3 ZZ4 V-8	264			W14EPR-U	6011	0,7	IW16	5305
5700 CC – BHC-9 ZZ4 V-8	264	TRIKE		W14EPR-U	6011	0,7	IW16	5305
8200 CC – BHC-3 502 V-8 BIG BLOCK	375			W16EPR-U	3021	0,7	IW16	5305
8200 CC – BHC-9 502 V-8 BIG BLOCK	375	TRIKE		W16EPR-U	3021	0,7	IW16	5305
BSA								
50 CC – ARIEL3			67 > 71	W22FS-U	4025		IWF22	5379
50 CC – BEAVER / BOXER / BRIGAND			79 > 79	W20FSR-U	6053	0,5	IWF22	5379
50 CC – EASY RIDER / ER1 / ER2 / JUNIOR				W20EPR		0,5	IW16	5305
125 CC – D 1			54 >	W22FS-U	4025	0,5	IWF22	5379
125 CC – TRACKER				W24ESR-U	4033	0,5	IW24	5316
150 CC – D3				W22FS-U	4025		IWF22	5379
175 CC – BANTAM 175, BUSHMAN				W22ESR-U	3098	0,5	-	
175 CC – BANTAM D10 / 14 / 14/4 / 14/5				W22ESR-U	3098	0,5	-	
175 CC – D10			66 > 67	W22ESR-U	3098	0,5	-	
175 CC – D14 BANTAM			68 > 69	W20FSR-U	6053	0,5	IWF22	5379
175 CC – D5			58 > 58	W22FS-U	4025	0,7	IWF22	5379
175 CC – D7			59 > 66	W22FS-U	4025	0,7	IWF22	5379
175 CC – TRACKER				W24ESR-U	4033	0,5	IW24	5316
250 CC – B 25 STARFIRE / STAR TRIAL				W24ESR-U	4033	0,5	IW24	5316
250 CC – B 25 T VICTOR				W24ESR-U	4033	0,5	IW24	5316
250 CC – B25 R / SS GOLD STAR				W24ESR-U	4033	0,5	IW24	5316
250 CC – C10 ALU HEAD			38 > 53	W14E	6009	0,5	-	
250 CC – C12			40 > 40	W22FS-U	4025	0,7	IWF22	5379
250 CC – C15			58 > 67	W20ESR-U	3057	0,5	-	
250 CC – C15 S			59 > 65	W24ESR-U	4033	0,5	IW24	5316
250 CC – C15 T			59 > 65	W20ESR-U	3057	0,5	-	
250 CC – C25			67 > 67	W24ESR-U	4033	0,5	IW24	5316
250 CC – SS GOLD STAR				W24ESR-U	4033		IW24	5316
348 CC – B31			45 > 59	W20FSR-U	6053	0,5	IWF22	5379
348 CC – B32			46 > 57	W20ESR-U	3057	0,5	-	
348 CC – B32 ALU HEAD			46 > 57	W22ESR-U	3098	0,5	-	
348 CC – B32 CAST IRON HEAD			46 > 57	W22FS-U	4025	0,7	IWF22	5379
349 CC – E35 FURY			70 > 72	W24ESR-U	4033	0,5	IW24	5316
350 CC – B 40 SS 90				W22ESR-U	3098	0,5	-	
350 CC – B40			60 > 65	W24ESR-U	4033	0,5	IW24	5316
440 CC – B44				W22ESR-U	3098		IW22	5307
441 CC – B44			66 > 70	W22ESR-U	3098	0,5	-	
496 CC – M20 ALU HEAD			37 > 55	W14E	6009	0,5	-	
498 CC – A50 W			62 > 70	W24ESR-U	4033	0,5	IW24	5316
499 CC – B34 S			47 > 57	W24ESR-U	4033	0,5	IW24	5316
499 CC – B50 MX VICTOR			71 > 72	W24ESR-U	4033	0,5	IW24	5316
499 CC – GOLD STAR RACER			49 > 65	W24ESR-U	4033	0,5	IW24	5316
500 CC – A7			47 > 62	W22FS-U	4025	0,7	IWF22	5379
500 CC – ROYAL STAR				W24ESR-U	4033	0,5	IW24	5316
591 CC – M21 ALU HEAD			37 > 63	W14E	6009	0,5	-	
591 CC – M21 CAST IRON HEAD			37 > 63	W20FSR-U	6053	0,5	IWF22	5379
646 CC – A10 RGS / RR / SR			57 > 63	W22ESR-U	3098	0,5	-	
650 CC – A65 / A65 T THUNDERBOLT			62 > 72	W24ESR-U	4033	0,5	IW24	5316
650 CC – FIREBIRD / LIGHTNING / THUNDERBOLT			65 > 72	W24ESR-U	4033	0,5	IW24	5316
750 CC – A75 ROCKET 3			68 > 72	W24ESR-U	4033	0,5	IW24	5316









	KW			Standard			Alternative	
								
BUELL								
985 CC – XB 9 R FIREBOLT	62		01 >	XU22EPR-U	3179	0,9	IXU22	5308
985 CC – XB 9 S / SX LIGHTNING	62		03 >	XU22EPR-U	3179	0,9	IXU22	5308
1125 CC – 1125 R	107	(+ = ADD TERMINAL)	08 >	U27ETR+	4155	0,7	IU27A	5366
1200 CC – M2 CYCLONE			97 > 01	XU22EPR-U	3179	0,9	IXU22	5308
1200 CC – RR / RS 1200			88 > 93	XU22EPR-U	3179	0,9	IXU22	5308
1200 CC – S 1 (WHITE) LIGHTNING	65		98 >	XU22EPR-U	3179	0,9	IXU22	5308
1200 CC – S2 / S2T THUNDERBOLT			94 > 96	XU22EPR-U	3179	0,9	IXU22	5308
1200 CC – S3 / S3T THUNDERBOLT			97 > 10	XU22EPR-U	3179	0,9	IXU22	5308
1200 CC – X1 LIGHTNING			97 > 10	XU22EPR-U	3179	0,9	IXU22	5308
1200 CC – XB 12 R FIREBOLT	75		04 > 10	XU27EPR-U	3313	0,9	IXU27	5337
1200 CC – XB 12 S / SS LIGHTNING	75		04 > 10	XU27EPR-U	3313	0,9	IXU27	5337
1200 CC – XB 12 X ULYSSES	75		06 > 10	XU27EPR-U	3313	0,9	IXU27	5337
BUFFALO								
50 CC – CY 50	2	AIR COOLED	96 >	W22FSR	4024	0,6	IWF22	5379
50 CC – MK 50			96 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – MY 50		AIR COOLED	96 >	W22FSR	4024	0,6	IWF22	5379
50 CC – SILVER		LC (L=19.0MM THREAD)	96 >	W24ESR-U	4033	0,5	IW24	5316
BULTACO								
50 CC – 49 / GT				W16FS-U	3034	0,5	IWF16	5359
50 CC – CHISPA 50 / CICLOMOTOR 49 / -GT				W16FS-U	3034	0,5	IWF16	5359
50 CC – TIRON				W16FS-U	3034	0,5	IWF16	5359
74 CC – BRINCO 74				W22FS-U	4025	0,5	IWF22	5379
74 CC – FRONTERA				W24FS-U	4038	0,5	IWF24	5380
74 CC – JUNIOR 74				W20FSR-U	6053	0,5	IWF22	5379
74 CC – JUNIOR GT2				W22FS-U	4025	0,5	IWF22	5379
74 CC – LOBITO 74 / -MK3 / -MK6 / -MK7				W20FSR-U	6053	0,5	IWF22	5379
74 CC – LOBITO T 74 / SHERPA T 74				W20FSR-U	6053	0,5	IWF22	5379
100 CC – JUNIOR 100 / LOBITO 100				W27FS-U	4052	0,5	IWF27	5381
100 CC – LOBITO K / SHERPA S 100				W27FS-U	4052	0,5	IWF27	5381
100 CC – TIRON 100				W20FSR-U	6053	0,5	IWF22	5379
100 CC – TRALLA 100 / -102				W22FS-U	4025	0,5	IWF22	5379
125 CC – ALPINA				W16EPR-U	3021	0,5	IW16	5305
125 CC – FRONTERA				W20FSR-U	6053	0,5	IWF22	5379
125 CC – JUNIOR / -125 / 125 GT2				W20FSR-U	6053	0,5	IWF22	5379
125 CC – LOBITO 125				W16EPR-U	3021	0,5	IW16	5305
125 CC – LOBITO MK 3 / -MK 6				W16EPR-U	3021	0,5	IW16	5305
125 CC – LOBITO MK 5				W27ESR-U	4045	0,5	IW27	5317
125 CC – LOBITO MK 7				W20FSR-U	6053	0,5	IWF22	5379
125 CC – LOBITO T 125				W24FS-U	4038	0,5	IWF24	5380
125 CC – MERCURIO 125				W20FSR-U	6053	0,5	IWF22	5379
125 CC – PURSANG MK 5				W31ESR-U	4176	0,5	IW31	5319
125 CC – PURSANG MK 6				W27ESR-U	4045	0,5	IW27	5317
125 CC – SHERPA S				W27ESR-U	4045	0,5	IW27	5317
125 CC – SHERPA T 125				W20FSR-U	6053	0,5	IWF22	5379
125 CC – STREAKER				W20FSR-U	6053	0,5	IWF22	5379
125 CC – TRALLA 101 / -102				W20FSR-U	6053	0,5	IWF22	5379
125 CC – TSS 125				W27ESR-U	4045	0,5	IW27	5317
150 CC – CAMPERA				W20FSR-U	6053	0,5	IWF22	5379
150 CC – MERCURIO/ GT/ 150				W20FSR-U	6053	0,5	IWF22	5379
150 CC – TRALLA				W20FSR-U	6053	0,5	IWF22	5379
175 CC – ALPINA				W16EPR-U	3021	0,5	IW16	5305
175 CC – CAMPERA 175				W20ESR-U	3057	0,5	IW20	5306
175 CC – CAMPERA MK 2				W16ESR-U	3110	0,5	IW16	5305
175 CC – JUNIOR 175				W22FS-U	4025	0,5	IWF22	5379
175 CC – LOBITO 175 / LOBITO MK5				W24ESR-U	4033	0,5	IW24	5316
175 CC – LOBITO MK 6				W20EPR-U	3047	0,5	IW20	5306
175 CC – LOBITO MK 7				W20ESR-U	3057	0,5	IW20	5306
175 CC – MATADOR SD				W24ESR-U	4033	0,5	IW24	5316
175 CC – MERCURIO				W20FSR-U	6053	0,5	IWF22	5379
175 CC – MERCURIO 175 / -GT				W20FSR-U	6053	0,5	IWF22	5379
175 CC – METRALLA / MONTADERO				W24ESR-U	4033	0,5	IW24	5316
175 CC – PURSANG MK 5 / -MK 6 / -MK 7				-		0,5	IW27	5317
175 CC – SHERPA S MK 3				-		0,5	IW27	5317
200 CC – EL TIGRE				W24ESR-U	4033	0,5	IW24	5316
200 CC – MERCURIO / METISE				W24ESR-U	4033	0,5	IW24	5316
200 CC – PURSANG MK 5				-		0,5	IW27	5317
200 CC – SATURNO 200				W22ESR-U	3098	0,5	-	
200 CC – SENIOR 200				W24ESR-U	4033	0,5	IW24	5316







	KW			Standard			Alternative	
BULTACO <i>continued</i>								
200 CC – SHERCO			00 >	W16EPR-U	3021	0,6	IW16	5305
200 CC – SHERPA MK 3				-		0,5	IW27	5317
200 CC – SHERPA N				W20EPR-U	3047	0,5	IW20	5306
200 CC – SHERPA S				W24ESR-U	4033	0,5	IW24	5316
230 CC – MONTADERO				W24ESR-U	4033	0,5	IW24	5316
250 CC – ALPINA 250				W16EPR-U	3021	0,5	IW16	5305
250 CC – ASTRO 250				-		0,5	IW27	5317
250 CC – FRONTERA 250				W24ESR-U	4033	0,5	IW24	5316
250 CC – K 250				W24ESR-U	4033	0,5	IW24	5316
250 CC – MATADOR 250 / MK2/ MK3				W24ESR-U	4033	0,5	IW24	5316
250 CC – MATADOR 250 / MK4				W20EPR-U	3047	0,5	IW20	5306
250 CC – MATODOR 250/ SD				W16EPR-U	3021	0,5	IW16	5305
250 CC – METRALLA GT/ MK2/ MK 250				W24ESR-U	4033	0,5	IW24	5316
250 CC – METRALLA GTS				W16EPR-U	3021	0,5	IW16	5305
250 CC – PURSANG MK4/ MK5 / MK6 / MK7		NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! INTAKE SIDE		W24ESR-U	4033	0,5	IW24	5316
250 CC – PURSANG MK4/ MK5 / MK6 / MK7		NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! EXHAUST SIDE		W27ESR-V	4049	0,5	IW27	5317
250 CC – SHERPA				W24ESR-U	4033	0,5	IW24	5316
250 CC – SHERPA S				-		0,5	IW27	5317
250 CC – SHERPA T				W16EPR-U	3021	0,5	IW16	5305
250 CC – TSS				W31ESR-U	4176	0,5	IW31	5319
350 CC – ALPINA 350				W16EPR-U	3021	0,5	IW16	5305
350 CC – ASTRO				W27ESR-U	4045	0,5	IW27	5317
350 CC – EL MONTADERO				W20EPR-U	3047	0,5	IW20	5306
350 CC – MATADOR MK9/ MK10				W16EPR-U	3021	0,5	IW16	5305
350 CC – MONTADERO TRIAL				W16EPR-U	3021	0,5	IW16	5305
350 CC – PURSANG MK 5/ MK6		NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! INTAKE SIDE		W24ESR-U	4033	0,5	IW24	5316
350 CC – PURSANG MK 5/ MK6		NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! EXHAUST SIDE		W27ESR-V	4049	0,5	IW27	5317
350 CC – SHERPA T 350				W16EPR-U	3021	0,5	IW16	5305
350 CC – TRIAL				W20EPR-U	3047	0,5	IW20	5306
350 CC – TSS 350				W27ESR-U	4045	0,5	IW27	5317
360 CC – ASTRO		NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! INTAKE SIDE		W24ESR-U	4033	0,5	IW24	5316
360 CC – ASTRO		NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! EXHAUST SIDE		W27ESR-V	4049	0,5	IW27	5317
360 CC – EL BANDITO MK 2		NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! INTAKE SIDE		W24ESR-U	4033	0,5	IW24	5316
360 CC – EL BANDITO MK 2		NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! EXHAUST SIDE		W27ESR-V	4049	0,5	IW27	5317
360 CC – EL MONTADERO				W24ESR-U	4033	0,5	IW24	5316
360 CC – FRONTERA 360				W24ESR-U	4033	0,5	IW24	5316
360 CC – PURSANG		NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! INTAKE SIDE		W24ESR-U	4033	0,5	IW24	5316
360 CC – PURSANG		NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! EXHAUST SIDE		W27ESR-V	4049	0,5	IW27	5317
370 CC – FRONTERA MK 11				W24ESR-U	4033	0,5	IW24	5316
370 CC – PURSANG		NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! INTAKE SIDE		W24ESR-U	4033	0,5	IW24	5316
370 CC – PURSANG		NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! EXHAUST SIDE		W27ESR-V	4049	0,5	IW27	5317
450 CC – PURSANG MK 15				W24ESR-U	4033	0,5	IW24	5316
CAGIVA								
50 CC – CITY 50			94 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – CITY 50 / CITY 50 L.E.			93 > 94	W22FS-U	4025	0,5	IWF22	5379
50 CC – COCIS / K3 / PRIMA / SUPER CITY / W 4				W24ESR-U	4033	0,7	IW24	5316
50 CC – CUCCILOLO		AIR COOLED	98 >	W24FS-U	4038	0,6	IWF24	5380
50 CC – PRIMA 50 / 75			92 >	W24ESR-U	4033	0,7	IW24	5316
50 CC – SCOOTER			93 >	W24FSR	4037	0,7	IWF24	5380
50 CC – SUPERCITY 50/70				W24ESR-U	4033	0,5	IW24	5316
50 CC – W4 50 / 70				W24ESR-U	4033	0,5	IW24	5316
125 CC – 125 ELEFANT 2				-		0,5	IW27	5317
125 CC – ALLETTA ELECTRA / -ORO			84 >	W27ESR-U	4045	0,5	IW27	5317
125 CC – ALLETTA LOWRIDER			82 >	W24ESR-U	4033	0,5	IW24	5316
125 CC – ALLETTA ORO 125/ S1			85 > 86	-		0,5	IW27	5317
125 CC – ALLETTA ORO 125/ S2			86 >	W27ESR-U	4045	0,6	IW27	5317







	KW			Standard			Alternative	
								
CAGIVA continued								
125 CC – BLUES / C 10 / CRUISER			87 >	-		0,5	IW27	5317
125 CC – CUCCILOLO 125			99 >	U22ESR-N	4174	0,7	IU22	5361
125 CC – ELEFANTRE			87 >	W27ESR-U	4045	0,5	IW27	5317
125 CC – FRECCIA C9 / C10 / C12			87 >	W27ESR-U	4045	0,7	IW27	5317
125 CC – K 7 / MITO RACING			90 > 93	-		0,7	IW29	5318
125 CC – MITO			90 > 99	-		0,7	IW29	5318
125 CC – MITO			99 >	W27ESR-V	4049	0,7	IW27	5317
125 CC – MITO 125 EVOLUTION	11 - 22			-			IW31	5319
125 CC – MITO SP525			07 >	W27ESR-V	4049	0,6	IW27	5317
125 CC – N 90			90 >	W27ESR-U	4045	0,7	IW27	5317
125 CC – PASSING			94 >	W20FPR-U	3070	0,6	IWF20	5378
125 CC – PLANET	9 - 11		97 >	-		0,6	IW29	5318
125 CC – RAPTOR 125			03 >	W27ESR-V	4049	0,7	IW27	5317
125 CC – RL / SS / SX				W24ESR-U	4033	0,7	IW24	5316
125 CC – ROADSTER 125				W27ESR-U	4045	0,7	IW27	5317
125 CC – ROSSA / DAKAR				-		0,7	IW27	5317
125 CC – RX / WRX / WSXT				-		0,7	IW27	5317
125 CC – RX 125 RALLY			81 > 82	-		0,5	IW27	5317
125 CC – ST / STX			82 > 83	W27ESR-U	4045	0,7	IW27	5317
125 CC – SUPER CITY / W 8	11		91 >	-		0,7	IW29	5318
125 CC – TAMANACO			88 >	W27ESR-U	4045	0,7	IW27	5317
125 CC – W 8			91 >	-		0,7	IW29	5318
125 CC – WMX 125			84 >	-		0,7	IW27	5317
125 CC – WMX 125			85 > 88	-		0,7	IW31	5319
175 CC – ALL				W24ESR-U	4033	0,5	IW24	5316
200 CC – ALL				W27ESR-U	4045	0,5	IW27	5317
200 CC – WMX 190				W27ESR-U	4045	0,7	IW27	5317
250 CC – MX / MXR / RR / RX / WMX				W27ESR-U	4045	0,7	IW27	5317
250 CC – NC / RL / SS / SST			83 >	W24ESR-U	4033	0,7	IW24	5316
250 CC – RX 250 RALLY			79 > 84	-		0,7	IW27	5317
250 CC – SX / SXT			83 > 85	W24ESR-U	4033	0,7	IW24	5316
350 CC – ALA BLU 350 / ALA VERDE 350				W24ESR-U	4033	0,7	IW24	5316
350 CC – ALA ROSSA 350/4T			83 >	W24ESR-U	4033	0,5	IW24	5316
350 CC – ALAZZURRA 350		<D>	84 >	W22FPR-U	4022	0,7	IWF22	5379
350 CC – ELEFANT 350		<D>	89 >	W22FPR-U	4022	0,7	IWF22	5379
350 CC – LUCKY 350				X24EPR-U9	4096	0,9	IX24B	5376
350 CC – SST 350	17	2-STROKE	81 >	W24ESR-U	4033	0,5	IW24	5316
350 CC – SX 350			81 > 83	W24ESR-U	4033	0,5	IW24	5316
350 CC – T4 350 E / -R		<D>	86 >	X24EPR-U9	4096	0,9	IX24B	5376
350 CC – W 12				XU24EPR-U	3180	0,7	IXU24	5309
500 CC – CANYON 500		(Ø 12MM THREAD)	98 >	XU24EPR-U	3180	0,7	IXU24	5309
500 CC – MXR 500				-		0,7	IW29	5318
500 CC – T4 500 E / -R				X24EPR-U9	4096	0,9	IX24B	5376
600 CC – CANYON 600	25		96 >	Q22PR-U	3010	0,8	IK22	5310
600 CC – RIVER 600			95 >	U22ESR-N	4174	0,7	IU22	5361
600 CC – W 16			> 95	U22ESR-N	4174	0,7	IU22	5361
650 CC – ALAZURRA 650			84 >	W22FPR-U	4022	0,6	IWF22	5379
650 CC – ELEFANT 650		<D>	85 > 89	W22FPR-U	4022	0,6	IWF22	5379
650 CC – RAPTOR 650 / V-RAPTOR 650			00 >	U24ESR-N	4126	0,7	IU24	5362
750 CC – ELEFANT 750		(Ø 14MM THREAD)	89 > 94	W22FPR-U	4022	0,8	IWF22	5379
750 CC – ELEFANT 750 / LUCKY 750		(Ø 12MM THREAD)	94 > 97	XU24EPR-U	3180	0,7	IXU24	5309
900 CC – ELEFANT 900 I.E. / -GT / -AC	44-54		90 >	XU24EPR-U	3180	0,7	IXU24	5309
900 CC – GRAN CANYON 900 EFI	49		98 >	XU24EPR-U	3180	0,7	IXU24	5309
1000 CC – NAVIGATOR / NAVIGATOR-T	70		99 >	U24ETR	4158	0,7	IU24A	5365
1000 CC – RAPTOR / V-RAPTOR	70		99 >	U24ETR	4158	0,7	IU24A	5365
1000 CC – XTRA RAPTOR 1000			02 >	U24ETR	4158	0,7	IU24A	5365
CAN-AM								
125 CC – MX			73 > 80	W24ESR-U	4033	0,5	IW24	5316
125 CC – MX			80 >	W27ESR-U	4045	0,5	IW27	5317
125 CC – QUALIFIER 125 / 125 TNT				W24ESR-U	4033	0,5	IW24	5316
175 CC – QUALIFIER 175 / 175 MX / 175 TNT				W24ESR-U	4033	0,5	IW24	5316
200 CC – 200 ASE			85 > 87	W27ESR-U	4045	0,5	IW27	5317
240 CC – 240 TRIALS			85 > 85	W27ESR-U	4045	0,5	IW27	5317
250 CC – 250 ASE L/C			83 > 87	W27ESR-U	4045	0,5	IW27	5317
250 CC – 250 MX / -GP / -TNT				W24ESR-U	4033	0,5	IW24	5316
250 CC – 250 ROADRACER			83 > 85	W31ESR-U	4176	0,5	IW31	5319
250 CC – 250M L/C			83 > 87	W27ESR-U	4045	0,5	IW27	5317
250 CC – MILITARY / QUALIFIER 250				W24ESR-U	4033	0,5	IW24	5316









	KW			Standard			Alternative	
								
CAN-AM <i>continued</i>								
280 CC – QUALIFIER			80 > 81	W27ESR-U	4045	0,5	IW27	5317
350 CC – QUALIFIER 350				W24ESR-U	4033	0,5	IW24	5316
370 CC – QUALIFIER 370 / 370 MX				W27ESR-U	4045	0,5	IW27	5317
400 CC – QUALIFIER 400 / 400 MX				W24ESR-U	4033	0,5	IW24	5316
500 CC – 500 ASE / MX			83 > 87	W27ESR-U	4045	0,5	IW27	5317
500 CC – 500 SONIC MX				X24ESR-U	4101	0,5	IX24	5372
560 CC – 560 SONIC MX			84 > 85	X24ESR-U	4101		IX24	5372
1000 CC – SPYDER			08 >	XU27EPR-U	3313	0,7	IXU27	5337
1000 CC – SPYDER ROADSTER			08 >	XU27EPR-U	3313	0,7	IXU27	5337
CANNONDALE								
432 CC – MX 400 / XC 400 / EX 400		CROSSER	99 >	U27ETR	4155	0,8	IU27A	5366
440 CC – C 440 / E440 / X 440			02 >	U27ETR	4155		IU27A	5366
CAPRI								
50 CC – OTHER MODELS				W20FSR-U	6053	0,5	IWF22	5379
50 CC – ROLLER 50	1.4			W22ESR-U	3098	0,7	-	
50 CC – ROLLER 50 S	3.3			W24ESR-U	4033	0,7	IW24	5316
125 CC – ROLLER 125	4.8			W22FS-U	4025	0,7	IWF22	5379
CASAL								
50 CC – K160, K161, K162, K163, K181, K184				W22FS-U	4025		IWF22	5379
50 CC – K184S				W24FS-U	4038		IWF24	5380
50 CC – K190, K191, K196, MIRABELLE				W22FS-U	4025		IWF22	5379
50 CC – M 105 SIX SPEED			92 >	W27FS-U	4052	0,6	IWF27	5381
50 CC – M 109 FOUR SPEED			91 >	W24FS-U	4038	0,6	IWF24	5380
50 CC – M 140 AUTO			82 >	W22FS-U	4025	0,6	IWF22	5379
50 CC – M 140 AUTOMATIC			82 >	W22FS-U	4025	0,6	IWF22	5379
50 CC – M 147 TWO SPEED			91 >	W22FS-U	4025	0,6	IWF22	5379
50 CC – M 233 SIX SPEED			90 >	W24ESR-U	4033	0,6	IW24	5316
50 CC – RZ 50 / K554	4.4		91 >	W22FS-U	4025	0,6	IWF22	5379
50 CC – SUPER BOSS K 168-8			91 >	W24FS-U	4038	0,6	IWF24	5380
125 CC – K270 CROSS				W24FS-U	4038		IWF24	5380
CCM								
125 CC – MOTOCROSS		HIRO ENGINE	79 > 80	-		0,5	IW27	5317
250 CC – CMT			> 82	-		0,5	IW16	5305
250 CC – CM 36 ROAD RACER			82 >	-		0,5	IW31	5319
250 CC – CMX MOTOCROSS			82 >	-		0,5	IW24	5316
250 CC – MOTOCROSS		HIRO ENGINE	79 > 82	-		0,5	IW24	5316
310 CC – CMT			> 82	-		0,5	IW16	5305
350 CC – CM 36 ROAD RACER			82 >	-		0,5	IW27	5317
450 CC – CMX MOTOCROSS				-		0,5	IW24	5316
500 CC – 4 VALVE				U31ESR-N	4187	0,6	IU31	5364
500 CC – CMX MOTOCROSS				-		0,5	IW24	5316
604 CC – ROADSTER RS	39		01 >	X24ESR-U	4101	0,7	IX24	5372
604 CC – SUPERMOTO / DUAL SPORT	39		01 >	X24ESR-U	4101	0,7	IX24	5372
604 CC – TRIAL DUAL SPORT	39		01 >	X24ESR-U	4101	0,7	IX24	5372
644 CC – DUAL SPORT / SUPERMOTO / TRIAL	39	TWIN SPARK	02 >	U31ESR-N	4187	0,7	IU31	5364
644 CC – R 30 / R 30 M SUPERMOTO	39	TWIN SPARK	02 >	U31ESR-N	4187	0,7	IU31	5364
CHUNLAN								
50 CC – CL 50 QT-5	3		99 >	W22FPR-U	4022	0,7	IWF22	5379
125 CC – CL 125 3-A (CL244FMI)	8.4		99 >	U22FSR-U	4008	0,7	IUF22	5383
CLIPIC								
50 CC – TRIAL			00 >	W22FS-U	4025	0,5	IWF22	5379
50 CC – TRIAL E			00 >	W31ESR-U	4176	0,5	IW31	5319
80 CC – TRIAL R			00 >	W27ESR-U	4045	0,5	IW27	5317
COBRA								
50 CC – BM50			94 > 98	W27FS-U	4052		IWF27	5381
50 CC – CH2			> 03	W29ES-V			IW29	5318
50 CC – CM50			> 00	W27FSR	4054		IWF27	5381
50 CC – CM50			01 > 03	W27ESR-U	4045		IW27	5317
50 CC – CM50			97 > 99	W27FS-U	4052		IWF27	5381
50 CC – COBRA COMMUTER		2-Stroke		W20MP-U	6023		-	
50 CC – KING COBRA			98 > 03	W27ESR-U	4045		IW27	5317
50 CC – PW3 50		2-Stroke	> 03	W29ES-V			IW29	5318
65 CC – DC65			> 03	W27ESR-U	4045		IW27	5317
COSSACK								
350 CC – JUPITER 350				W20FSR-U	6053	0,5	IWF22	5379
350 CC – PLANETA 350				W20FSR-U	6053	0,5	IWF22	5379
650 CC – DNEPR 650				W20FSR-U	6053	0,5	IWF22	5379
650 CC – URAL 650 / URAL MT10				W20FSR-U	6053	0,5	IWF22	5379









	KW			Standard			Alternative	
								
CPI								
50 CC – ARAGON 50	2.4		06 >	W22ESR-U	3098	0,8	IW22	5307
50 CC – ARAGON GP 50	2.9		06 >	W22ESR-U	3098	0,8	IW22	5307
50 CC – ARAGON MOFA			07 >	W22FPR-U	4022	0,5	IWF22	5379
50 CC – ARAGON MOFA GP			07 >	W22FPR-U	4022	0,5	IWF22	5379
50 CC – GTR 50			03 >	W22FSR	4024	0,8	IWF22	5379
50 CC – GTS 50			03 >	W22FSR	4024	0,8	IWF22	5379
50 CC – HUSSAR 50			03 >	W22FSR	4024	0,8	IWF22	5379
50 CC – HUSSAR EURO 2			03 >	W22ESR-U	3098	0,8	-	
50 CC – HUSSAR FL / SL			02 > 02	W24FR-L	4154	0,6	IWF24	5380
50 CC – OLIVER CITY / SPORT 50			03 >	W22FSR	4024	0,8	IWF22	5379
50 CC – POPCORN 50			03 >	W22FSR	4024	0,8	IWF22	5379
50 CC – POPCORN EURO 2			03 >	W22ESR-U	3098	0,8	-	
50 CC – POPCORN FL / SL			02 > 02	W24FR-L	4154	0,6	IWF24	5380
50 CC – SUPERCROSS 50			04 >	W22FSR	4024	0,8	IWF22	5379
50 CC – SUPERMOTO 50			04 >	W22FSR	4024	0,8	IWF22	5379
50 CC – SUPERMOTO SMX	2.2		06 >	W22ESR-U	3098	0,8	IW22	5307
50 CC – TENNESSE			01 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – TIGER 50			04 >	W22FSR	4024	0,8	IWF22	5379
50 CC – XS 50			04 >	W22FSR	4024	0,8	IWF22	5379
50 CC – XT 50			04 >	W22FSR	4024	0,8	IWF22	5379
100 CC – XS 100			04 >	W22FSR	4024	0,8	IWF22	5379
100 CC – XT 100			04 >	W22FSR	4024	0,8	IWF22	5379
125 CC – ARAGON GP 125	5.6		06 >	W22ESR-U	3098	0,8	IW22	5307
125 CC – GTS 125			03 >	W22FSR	4024	0,8	IWF22	5379
125 CC – X-LARGE 125			03 >	W22FSR	4024	0,8	IWF22	5379
150 CC – GTS 150			03 >	W22FSR	4024	0,8	IWF22	5379
150 CC – X-LARGE 150			03 >	W22FSR	4024	0,8	IWF22	5379
200 CC – GTS 200 / X-LARGE 200			03 >	W22ESR-U	3098	0,8	-	
CR & S								
650 CC – VUN			07 >	-		0,6	IX24	5372
DAELIM								
50 CC – CORDI			04 >	W20FPR-U	3070	0,6	IWF20	5378
50 CC – E-FIVE			03 >	W24FS-U	4038	0,6	IWF24	5380
50 CC – MESSAGE 50			98 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – S-FIVE			02 >	W24FS-U	4038	0,6	IWF24	5380
50 CC – TAPO 50			98 >	W24FR-L	4154	0,6	IWF24	5380
110 CC – CTY ACE 110			03 >	U22FSR-U	4008	0,7	IUF22	5383
125 CC – FREEWING 125 FI		INJECTION	05 >	U24FER9	4127	0,9	IUH24	5368
125 CC – NS 125			97 >	U24FER9	4127	0,9	IUH24	5368
125 CC – OTELLO / OTELLO DLX			98 >	U24FER9	4127	0,9	IUH24	5368
125 CC – OTELLO 125 FI		INJECTION	07 >	U24FER9	4127	0,9	IUH24	5368
125 CC – ROADWIN 125 R			07 >	U27FER9	4129	0,9	IUH27	5369
125 CC – ROADWIN FI		INJECTION		U24FER9	4127	0,9	IUH24	5368
125 CC – S2 125 FI			05 >	U24FER9	4127	0,9	IUH24	5368
125 CC – U3 125 FI				U24FER9	4127	0,9	IUH24	5368
125 CC – VC 125 (ADVANCE)	9 - 10.5		95 >	U24FER9	4127	0,9	IUH24	5368
125 CC – VL 125 (DAYSTAR), VT 125 (EVOLUTION)			00 >	U24FER9	4127	0,9	IUH24	5368
125 CC – VS 125 / VEE 125 / EVO			97 >	U24FER9	4127	0,9	IUH24	5368
250 CC – S2 250 FI				X22EPR-U9	4086	0,9	IX22B	5375
DAZON								
50 CC – DIAMONDBACK 50				U22FSR-U	4008		IUF22	5383
50 CC – SICILIAN 50				U22FSR-U	4008		IUF22	5383
125 CC – ARIES 125				U22FSR-U	4008		IUF22	5383
125 CC – SCORPION 125				U22FSR-U	4008		IUF22	5383
125 CC – SICILIAN 125				U22FSR-U	4008		IUF22	5383
125 CC – WILDCAT 125				U22FSR-U	4008		IUF22	5383
DERBI								
50 CC – ANTORCHA / COPPA / DIABLO			> 91	W22FS-U	4025	0,6	IWF22	5379
50 CC – ATLANTIS 50		AIR COOLED	99 >	W24FSR	4037	0,6	IWF24	5380
50 CC – ATLANTIS 50 4T	2.6	4-STROKE	07 >	U24ESR-NB	4223	0,7	IU24	5362
50 CC – ATLANTIS 50 LC / H2O		LIQUID COOLED	99 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – AVENTURA			95 >	W24FS-U	4038	0,6	IWF24	5380
50 CC – BOULEVARD 50 2T		2-STROKE	09 >	W27ESR	6069	*	IW27	5317
50 CC – BULLET / RED BULLET				W27ESR-U	4045	0,6	IW27	5317
50 CC – DIRT BOY 10	3.6		03 >	U27ESR-N	4131	0,7	IU27	5363
50 CC – DIRT KID 12	3.6		03 >	U27ESR-N	4131	0,7	IU27	5363
50 CC – FDS / GTS / RD-2			> 91	W22FS-U	4025	0,6	IWF22	5379
50 CC – FENIX / FDS SUPER / START DS	5.5		92 >	W24FS-U	4038	0,6	IWF24	5380


	KW			Standard			Alternative	
								
DERBI continued								
50 CC – FURAX			95 >	W24FS-U	4038	0,6	IWF24	5380
50 CC – GP 1				W27ESR-U	4045	0,6	IW27	5317
50 CC – GPR 50			09 >	W24ESR	6068	0,6	IW24	5316
50 CC – GPR 50 NUDE / ST	2.15			W24ESR-U	4033	0,5	IW24	5316
50 CC – GPR 50 R REPLICA		LC, (STANDARD)	00 >	W31ESR-U	4176	0,6	IW31	5319
50 CC – GPR 50 R REPLICA		LC (CITY DRIVING = OPTION)	00 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – HUNTER	4.2		96 >	W24FS-U	4038	0,6	IWF24	5380
50 CC – OLIMPICA / SAVANAH / START			> 91	W22FS-U	4025	0,6	IWF22	5379
50 CC – PADDOCK 50	4.4		97 >	W24FS-U	4038	0,6	IWF24	5380
50 CC – PADDOCK 50 LC		LIQUID COOLED	99 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – PREDATOR 50 LC		LIQUID COOLED	00 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – PREDATOR 50 O2		AIR COOLED	00 >	W24FSR	4037	0,6	IWF24	5380
50 CC – RD-2 COUNTRY			92 >	W24FS-U	4038	0,6	IWF24	5380
50 CC – SENDA .. / -L	5.5			W27ESR-U	4045	0,6	IW27	5317
50 CC – SENDA DRD EVO 50 SM LIMITED EDITION			09 >	W24ESR	6068	0,6	IW24	5316
50 CC – SENDA DRD PRO 50 R			09 >	W24ESR	6068	0,6	IW24	5316
50 CC – SENDA DRD PRO 50 SM			09 >	W24ESR	6068	0,6	IW24	5316
50 CC – SENDA -R	5.9	LIQUID COOLED	95 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – SONAR 50 2T		2-STROKE	10 >	W27ESR	6069	*	IW27	5317
50 CC – SPORT. VARIANT /YUMBO			> 91	W22FS-U	4025	0,5	IWF22	5379
50 CC – SUPERMOTARD 50	6.2	LIQUID COOLED	95 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – VAMOS				W24FS-U	4038	0,5	IWF24	5380
50 CC – VAMOS / FL / L / R / SE			95 >	W24FS-U	4038	0,6	IWF24	5380
50 CC – VARIANT BOX/SPORT-R/ TOP/START			92 >	W24FS-U	4038	0,5	IWF24	5380
50 CC – VARIANT COURIER	3		93 >	W24FS-U	4038	0,6	IWF24	5380
50 CC – VARIANT REVOLUTION	4.2		96 >	W24FS-U	4038	0,6	IWF24	5380
75 CC – CR 74				-		0,5	IW31	5319
75 CC – CRS / RC				-		0,5	IW31	5319
75 CC – EUROPA RD15 / SCOOT 74				W24ESR-U	4033	0,5	IW24	5316
75 CC – GPR-75 / SPORT 75				-		0,5	IW31	5319
75 CC – GRAN PRIX 74				W20FSR-U	6053	0,6	IWF22	5379
75 CC – VIVO - 75				W16FPR-U	4192	0,5	IWF16	5359
80 CC – BI 3			95 >	W24ESR-U	4033	0,6	IW24	5316
125 CC – BOULEVARD 125		FOUR STROKE		U22ESR-N	4174	0,6	IU22	5361
125 CC – BOULEVARD 125 4T		PIAGGIO ENGINE, AIR COOLED FOUR STROKE	08 >	-		0,8	IU22	5361
125 CC – CROSS CITY 125			07 >	X24ESR-U	4101	0,8	IX24	5372
125 CC – ENDURO / RS125TT / KARMATHAN				-		0,5	IW27	5317
125 CC – GP1 125 / RACING	11		07 >	U24ESR-NB	4223	0,7	IU24	5362
125 CC – GPR 125 4V			09 >	U24ESR-NB	4223	0,8	IU24	5362
125 CC – GPR 125 RACING / NUDE / ST	11		04 > 09	W24ESR-U	4033	0,8	IW24	5316
125 CC – MULHACÉN 125			07 >	U24ESR-NB	4223	0,6	IU24	5362
125 CC – SENDA 125 R / SM	8.5-8.8		02 >	XU24EPR-U	3180	0,9	IXU24	5309
125 CC – SENDA DRD 125 R			09 >	U24ESR-NB	4223	0,6	IU24	5362
125 CC – SENDA DRD 125 SM			09 >	U24ESR-NB	4223	0,6	IU24	5362
125 CC – SPORT COPPA / TTS9				W27ESR-U	4045	0,5	IW27	5317
125 CC – TERRA 125			08 >	U24ESR-NB	4223	0,6	IU24	5362
150 CC – BOULEVARD 150				U22ESR-N	4174	0,6	IU22	5361
200 CC – 2002 / GRAN PRIX / 6V				W27ESR-U	4045	0,5	IW27	5317
250 CC – CRX / RC / ENDURO				-		0,5	IW31	5319
250 CC – GP1 250 / RACING	14.7		07 >	-		0,7	IU22	5361
250 CC – TURISMO 250				W27ESR-U	4045	0,5	IW27	5317
278 CC – RAMBLA 300I			10 >	-		0,7	IU24A	5365
659 CC – MULHACÉN 659	36		05 >	U22ESR-N	4174		IU22	5361
DIAMO								
50 CC – AERO 50				U22FSR-U	4008		IUF22	5383
50 CC – RETRO 50				U22FSR-U	4008		IUF22	5383
100 CC – 100 DIRTBIKE				U20FSR-U	4004		IUF22	5383
150 CC – FURY 150				U22FSR-U	4008		IUF22	5383
150 CC – RETRO 150				U22FSR-U	4008		IUF22	5383
150 CC – TRACER 150				U22FSR-U	4008		IUF22	5383
150 CC – VELUX 150				U22FSR-U	4008		IUF22	5383
200 CC – 200 DIRTBIKE				X24EPR-U9	4096		IX24B	5376
250 CC – CRUISER				U20FSR-U	4004		IUF22	5383
250 CC – TRACER 250				X24EPR-U9	4096		IX24B	5376
250 CC – VELUX 250				X24EPR-U9	4096		IX24B	5376
260 CC – TURISTA 260				X24ESR-U	4101		IX24	5372
300 CC – TURISTA 300				X24ESR-U	4101		IX24	5372









	KW			Standard			Alternative	
								
DKW (ZWEIRAD UNION)								
50 CC – 114/119/139/504/505/506/508/511				W16FPR-U	4192	0,5	IWF16	5359
50 CC – 530 / 532 / 533 / 534 / 535				W20FSR-U	6053	0,5	IWF22	5379
50 CC – 630 / 632 / 633 / 635				W20FSR-U	6053	0,5	IWF22	5379
50 CC – CITY BIKE / SPORTMOFA				W20FSR-U	6053	0,5	IWF22	5379
50 CC – K 50 RL / RT 159 / -E / -JET/ -SUPER				W24FS-U	4038	0,5	IWF24	5380
125 CC – BOODOCKER 125 / ENDURO 125				W27ESR-U	4045	0,5	IW27	5317
125 CC – GS 125 / MC 125 / RT 125 E				W27ESR-U	4045	0,5	IW27	5317
125 CC – K 125 MILITARY / RT 125				W24FS-U	4038	0,5	IWF24	5380
175 CC – GS 175				W27ESR-U	4045	0,5	IW27	5317
250 CC – GS 250				W27ESR-U	4045	0,5	IW27	5317
300 CC – WANKEL 2000 K				W22ESR-U	3098	0,5	-	
DNEPR								
650 CC – DNEPR 11 / -16		(L=19.0MM THREAD)		W22EPR-U	3088	0,5	IW22	5307
650 CC – DNEPR 11 / -16 (BMW)		(L=19.0MM THREAD)		W20EPR-U	3047	0,5	IW20	5306
650 CC – MT 11	20			W24FS-U	4038	0,6	IWF24	5380
650 CC – MT 16	20			W24FS-U	4038	0,6	IWF24	5380
DUCATI								
100 CC – 100 SPORT			58 > 60	W22FS-U	4025	0,6	IWF22	5379
100 CC – BRIO 100				W20FSR-U	6053		IWF20	5378
100 CC – CADET 100				W20FSR-U	6053		IWF20	5378
100 CC – MOUNTAINEER				W24FS-U	4038		IWF24	5380
100 CC – SCRAMBLER				W20FSR-U	6053		IWF20	5378
125 CC – 125 SCRAMBLER			71 >	W24FS-U	4038	0,5	IWF24	5380
125 CC – 125 SPORT			58 > 65	W22FS-U	4025	0,6	IWF22	5379
125 CC – 125 TS			59 > 65	W20FSR-U	6053	0,5	IWF22	5379
125 CC – BRONCO 125				W20FSR-U	6053		IWF20	5378
125 CC – CADET 125				W20FSR-U	6053		IWF20	5378
125 CC – SCR				W20FSR-U	6053		IWF20	5378
160 CC – 160 MONZA				W22FS-U	4025	0,6	IWF22	5379
160 CC – MONZA JR				W24FS-U	4038		IWF24	5380
175 CC – 175 CRUISER				W20FSR-U	6053		IWF20	5378
175 CC – 175 SPORT			58 > 61	W22FS-U	4025	0,6	IWF22	5379
175 CC – 175 TOURIST				W20FSR-U	6053		IWF20	5378
175 CC – 175 TS			58 > 60	W20FSR-U	6053	0,5	IWF22	5379
175 CC – SILVERSTONE SUPER				W24FS-U	4038		IWF24	5380
200 CC – 200 ELITE			59 > 65	W22FS-U	4025	0,6	IWF22	5379
200 CC – 200 SS				W24FS-U	4038		IWF24	5380
200 CC – GRAN T				W24FS-U	4038		IWF24	5380
250 CC – 250 24 HORAS				W20FSR-U	6053	0,5	IWF22	5379
250 CC – 250 DAYTONA / -DIANA MKIII				W24FS-U	4038	0,5	IWF24	5380
250 CC – 250 DESMO / -MONZA / -ROAD				W20FSR-U	6053	0,5	IWF22	5379
250 CC – 250 MACH 1			64 > 66	W22FS-U	4025	0,6	IWF22	5379
250 CC – 250 MK I / -MK III				W27FS-U	4052	0,5	IWF27	5381
250 CC – 250 MONZA			68 >	W22FS-U	4025	0,6	IWF22	5379
250 CC – 250 SCR			68 > 74	W22FS-U	4025	0,6	IWF22	5379
250 CC – 250 SCR-MC			62 > 67	W22FS-U	4025	0,6	IWF22	5379
250 CC – 250 STRADA			79 >	W20FSR-U	6053	0,5	IWF22	5379
350 CC – 350 DESMO			70 > 76	W20FSR-U	6053	0,5	IWF22	5379
350 CC – 350 F3 / -FORZA			86 > 87	W20FSR-U	6053	0,6	IWF22	5379
350 CC – 350 F3 DESMO / -XL			85 > 87	W22FPR-U	4022	0,6	IWF22	5379
350 CC – 350 FORZA				W20FSR-U	6053	0,5	IWF22	5379
350 CC – 350 GTL			79 >	W20FSR-U	6053	0,5	IWF22	5379
350 CC – 350 INDIANA			86 >	W22EPR-U	3088	0,6	IW22	5307
350 CC – 350 JUNIOR			92 > 92	W22FPR-U	4022	0,6	IWF22	5379
350 CC – 350 MK III			70 > 76	W20FSR-U	6053	0,5	IWF22	5379
350 CC – 350 MK III D				W20FSR-U	6053	0,5	IWF22	5379
350 CC – 350 SCRAMBLER				W20FSR-U	6053	0,5	IWF22	5379
350 CC – 350 SEBRING / -GTL			65 > 68	W20FSR-U	6053	0,5	IWF22	5379
350 CC – 350 SL				W22FPR-U	4022		IWF22	5379
350 CC – 350 SPORT				W22FPR-U	4022	0,6	IWF22	5379
350 CC – 350 SPORT DESMO			69 > 80	W22FS-U	4025	0,6	IWF22	5379
350 CC – 350 VENTO			80 >	W20FSR-U	6053	0,6	IWF22	5379
350 CC – 350 XL / PANTAH			82 > 83	W22FPR-U	4022	0,5	IWF22	5379
400 CC – 400 F3			86 >	W22FPR-U	4022		IWF22	5379
400 CC – 400 SUPERSPORT / JUNIOR / NUDA / M 400	20-35		89 > 96	W22FPR-U	4022	0,6	IWF22	5379
400 CC – M 400 MONSTER	31.8		94 > 07	XU24EPR-U	3180	0,7	IXU24	5309
400 CC – M 400 MONSTER		<J>	95 > 97	W22FPR-U	4022	0,7	IWF22	5379






	KW			Standard		Alternative		
								
DUCATI <i>continued</i>								
450 CC – 450 DESMO				W22FS-U	4025		IWF22	5379
450 CC – 450 DESMO / -MARK III			69 >	W20FSR-U	6053	0,5	IWF22	5379
450 CC – 450 DESMO SPORT			71 > 74	W22FSR	4024	0,5	IWF22	5379
450 CC – 450 MARK IIID / -REGOLARITA / -RT			69 > 71	W20FSR-U	6053	0,5	IWF22	5379
450 CC – 450 SCRAMBLER / -TS / -VIGILI			66 >	W20FSR-U	6053	0,5	IWF22	5379
500 CC – 500 GTL / SPORT DESMO			74 > 79	W22FS-U	4025	0,5	IWF22	5379
500 CC – 500 PANTAH	34		79 >	W22FPR-U	4022	0,5	IWF22	5379
500 CC – 500 SL PANTAH			78 >	W20FSR-U	6053	0,5	IWF22	5379
500 CC – 500 SL PANTAH			78 > 86	W22FPR-U	4022	0,6	IWF22	5379
500 CC – 500 SPORT DESMO			79 > 83	W20FSR-U	6053	0,5	IWF22	5379
500 CC – 500 SPORT TWIN			78 > 80	W22FS-U	4025	0,5	IWF22	5379
600 CC – 600 PANTAH SL / TL			81 > 85	W22FPR-U	4022	0,5	IWF22	5379
600 CC – 600 SS				X27EPR-U9	4111		IX27B	5377
600 CC – 600 SS	25-40		92 > 97	XU27EPR-U	3313	0,7	IXU27	5337
600 CC – M 600 MONSTER	25-40	STANDARD)	94 > 01	XU24EPR-U	3180	0,7	IXU24	5309
600 CC – M 600 MONSTER	25-40	(FAST DRIVING = OPTION)	94 > 01	XU27EPR-U	3313	0,7	IXU27	5337
620 CC – 620 SPORT / SUPERSPORT			03 > 04	-		0,7	IXU24	5309
620 CC – M 620 I.E. MONSTER		INJECTION	01 > 06	XU24EPR-U	3180	0,7	IXU24	5309
620 CC – MULTISTRADA 620	46.4		05 > 07	XU24EPR-U	3180	0,7	IXU24	5309
650 CC – 650 INDIANA / PANTAH / SL			83 > 92	W22FPR-U	4022	0,6	IWF22	5379
695 CC – M 695 MONSTER			06 >	XU24EPR-U	3180	0,8	IXU24	5309
696 CC – M 696 MONSTER	54.5		08 >	XU24EPR-U	3180	0,8	IXU24	5309
748 CC – 748 / S / BIPOSTO	71-74	(18MM HEX)	95 >	-		0,6	IX27	5373
748 CC – 748 / S / BIPOSTO	71-74	(16MM HEX)	95 >	-		0,6	IXU01-27	5731
748 CC – 748 R	78	(18MM HEX)	99 > 03	-		0,6	IX27	5373
748 CC – 748 R	78	(16MM HEX)	99 > 03	-		0,6	IXU01-27	5731
748 CC – 748 R	78	(16MM HEX) (RACE USE)	99 > 03	-		0,6	IXU01-31	5732
748 CC – 748 SP / SPS	74	(18MM HEX)	95 > 99	-		0,6	IX27	5373
748 CC – 748 SP / SPS	74	(16MM HEX)	95 > 99	-		0,6	IXU01-27	5731
748 CC – 748 SP / SPS		(16MM HEX) (RACE USE)	95 > 99	-		0,6	IXU01-31	5732
748 CC – 749 749R / 749S (TESTASTRETTA)		USE THIN WALLED HEX 16 SPANNER: OUTER DIAMETER MAX 20.7 MM	02 > 06	-		0,7	IU27	5363
750 CC – 750 F1 / LS / F1B			85 > 98	X24ESR-U	4101	0,6	IX24	5372
750 CC – 750 F1 DESMO				W22FPR-U	4022	0,6	IWF22	5379
750 CC – 750 F4			85 >	XU27EPR-U	3313	0,7	IXU27	5337
750 CC – 750 GT			74 > 76	W22FS-U	4025	0,5	IWF22	5379
750 CC – 750 INDIANA	40		86 > 91	W22FPR-U	4022	0,7	IWF22	5379
750 CC – 750 PASO	55		86 > 92	XU24EPR-U	3180	0,7	IXU24	5309
750 CC – 750 S / -SPECIAL / -SS / -STRADA			72 > 93	W22FPR-U	4022	0,5	IWF22	5379
750 CC – 750 SPORT / -SUPERSPORT			91 > 93	XU24EPR-U	3180	0,7	IXU24	5309
750 CC – 750 SS	20-50		94 > 02	XU24EPR-U	3180	0,7	IXU24	5309
750 CC – 750 SS I.E.	47	INJECTION	98 >	XU24EPR-U	3180	0,7	IXU24	5309
750 CC – M 750 MONSTER	25-50		96 > 02	XU24EPR-U	3180	0,7	IXU24	5309
802 CC – 800 SS / SUPERSPORT I.E.	55	INJECTION	02 >	XU24EPR-U	3180	0,7	IXU24	5309
802 CC – M 800 I.E. MONSTER		INJECTION	02 >	XU24EPR-U	3180	0,7	IXU24	5309
803 CC – HYPERMOTARD 796			09 >	XU24EPR-U	3180	0,7	IXU24	5309
803 CC – MONSTER 796			10 >	XU24EPR-U	3180	0,9	IXU24	5309
803 CC – MONSTER S2R 800	55		05 >	XU24EPR-U	3180	0,7	IXU24	5309
851 CC – 851 / -STRADA / -I.E.		(18MM HEX)	88 > 93	-		0,6	IX27	5373
851 CC – 851 / -STRADA / -I.E.		(16MM HEX)	88 > 93	-		0,6	IXU01-27	5731
851 CC – 851 -S1 / -S3 / -SUPERBIKE STRADA		(18MM HEX)	88 > 90	-		0,6	IX27	5373
851 CC – 851 -S1 / -S3 / -SUPERBIKE STRADA		(16MM HEX)	89 > 90	-		0,6	IXU01-27	5731
860 CC – 860 DESMO SS			81 > 85	W20FSR-U	6053	0,5	IWF22	5379
860 CC – 860 GT / GTS / GS			75 > 80	W20FSR-U	6053	0,5	IWF22	5379
888 CC – 851 -STRADA / -SP2 / -SP3		(18MM HEX)	90 > 93	-		0,6	IX27	5373
888 CC – 851 -STRADA / -SP2 / -SP3		(16MM HEX)	90 > 93	-		0,6	IXU01-27	5731
888 CC – 888 SP5 / SPS	81	(16MM HEX)	93 > 95	-		0,6	IXU01-31	5732
888 CC – 888 SPORT PRODUCTION / SP 4		(18MM HEX)	92 > 93	-		0,6	IX27	5373
888 CC – 888 SPORT PRODUCTION / SP 4		(16MM HEX)	92 > 93	-		0,6	IXU01-27	5731
888 CC – 888 STRADA	72-81		93 > 95	-		0,6	IX27	5373
900 CC – 900 CHIARA	57		96 >	XU24EPR-U	3180	0,6	IXU24	5309
900 CC – 900 DARMAH			75 > 85	W20FSR-U	6053	0,6	IWF22	5379
900 CC – 900 S / SS / GTS / SD / S2 / HR			80 > 90	W22FPR-U	4022	0,6	IWF22	5379
900 CC – 900 S,GTS,S2,HR			80 > 87	W22FPR-U	4022	0,6	IWF22	5379
900 CC – 900 SD			79 > 81	W22FS-U	4025	0,6	IWF22	5379
900 CC – 900 SS			80 > 82	W22FS-U	4025	0,6	IWF22	5379
900 CC – 900 SS / SUPERSPORT	57-64		88 > 95	XU24EPR-U	3180	0,7	IXU24	5309
900 CC – 900 SS/CR			94 > 98	XU24EPR-U	3180		IXU24	5309









	KW			Standard			Alternative	
								
DUCATI <i>continued</i>								
900 CC – 900 SS/SL / SUPERLIGHT	57		91 > 98	XU24EPR-U	3180	0,7	IXU24	5309
900 CC – 900 SS/SP / SUPERSPORT	57-64		96 > 99	XU24EPR-U	3180	0,7	IXU24	5309
900 CC – 900 SUPER SPORT			88 > 90	-		0,7	IXU24	5309
900 CC – 900 SUPERSPORT I.E. / FINAL EDITION	64	INJECTION	99 > 03	XU24EPR-U	3180	0,7	IXU24	5309
900 CC – E900 (ELEFANT)			93 > 95	XU24EPR-U	3180		IXU24	5309
900 CC – M 900 MONSTER / I.E.	55-59		93 >	XU24EPR-U	3180	0,7	IXU24	5309
900 CC – MH 900 E	55	INJECTION	00 >	XU24EPR-U	3180	0,7	IXU24	5309
900 CC – MONSTER 900S			98 >	X24EPR-U9	4096	0,9	IX24B	5376
900 CC – SC 2 / SUPER LIGHT			91 >	XU24EPR-U	3180	0,7	IXU24	5309
904 CC – 906 PASO			88 > 90	XU24EPR-U	3180	0,7	IXU24	5309
904 CC – 907 I.E. (PASO)		INJECTION	90 > 93	XU24EPR-U	3180	0,7	IXU24	5309
916 CC – 916 BIPOSTO/STRADA/SENNA	72-80	(18MM HEX)	94 > 99	-		0,6	IX27	5373
916 CC – 916 BIPOSTO/STRADA/SENNA	72-80	(16MM HEX)	94 > 99	-		0,6	IXU27	5337
916 CC – 916 SP	72-94		94 > 96	-		0,6	IX27	5373
916 CC – 916 SP	80-96	(18MM HEX)	97 > 00	-		0,6	IX27	5373
916 CC – 916 SP	80-96	(16MM HEX)	97 > 00	-		0,6	IXU01-27	5731
916 CC – 916 SP		(16MM HEX) (RACE USE)	97 > 00	-		0,6	IXU01-31	5732
916 CC – MONSTER S4	74		01 > 03	-		0,7	IXU27	5337
916 CC – MONSTER S4 / S4 FOGARTY	73-81		00 >	-		0,6	IXU27	5337
944 CC – ST 2 SPORT TURISMO I.E.	61		96 > 03	XU27EPR-U	3313	0,7	IXU27	5337
944 CC – ST 4 SPORT TURISMO I.E.	77		97 > 03	-		0,6	IX27	5373
972 CC – 972 MILLE				W22FPR-U	4022	0,6	IWF22	5379
992 CC – 1000 SS / SUPERSPORT DS	63	TWIN SPARK	02 >	XU24EPR-U	3180	0,7	IXU24	5309
992 CC – GT 1000 / TOURING	62-68		05 > 10	XU24EPR-U	3180	0,7	IXU24	5309
992 CC – M 1000 I.E. MONSTER DS		TWIN SPARK	02 >	XU24EPR-U	3180	0,7	IXU24	5309
992 CC – MONSTER S2R 1000			06 > 08	XU24EPR-U	3180	0,9	IXU24	5309
992 CC – MULTISTRADA 1000 DS	62	TWIN SPARK	02 >	XU24EPR-U	3180	0,7	IXU24	5309
992 CC – MULTISTRADA 1000S DS	62	TWIN SPARK	05 >	XU24EPR-U	3180	0,7	IXU24	5309
992 CC – PAUL SMART 1000 LE	62		05 >	XU24EPR-U	3180	0,7	IXU24	5309
992 CC – S2 R 1000 MONSTER	70		06 >	XU24EPR-U	3180	0,9	IXU24	5309
992 CC – SPORT 1000 / S	62-68		05 > 10	XU24EPR-U	3180	0,7	IXU24	5309
992 CC – ST 3 / ST 3S	78.8		04 >	U27ESR-N	4131	0,6	IU27	5363
996 CC – 916 SPS (996 CC)	98.5	(18MM HEX)	96 >	-		0,6	IX27	5373
996 CC – 916 SPS (996 CC)	98.5	(16MM HEX)	96 >	-		0,6	IXU01-27	5731
996 CC – 916 SPS (996 CC)		(16MM HEX) (RACE USE)	96 >	-		0,6	IXU01-31	5732
996 CC – 996 / 996 BIPOSTO	83	(18MM HEX)	98 >	-		0,6	IX27	5373
996 CC – 996 / 996 BIPOSTO	83	(16MM HEX)	98 >	-		0,6	IXU01-27	5731
996 CC – 996 SPS / 996 SPS/F / 996 S	90		99 >	-		0,6	IX27	5373
996 CC – 996 SPS / 996 SPS/F / 996 S	90	(16MM HEX)	99 >	-		0,6	IXU01-27	5731
996 CC – 996 SPS / 996 SPS/F / 996 S	90	(16MM HEX) (RACE USE)	99 >	-		0,6	IXU01-31	5732
996 CC – MONSTER S4R / S4R I.E.	84		02 >	-		0,7	IXU27	5337
996 CC – ST 4 S / S ABS	86		03 >	-		0,6	IXU27	5337
998 CC – 996R / 998R (TESTASTRETTA)	100-103	USE THIN WALLED HEX 16 SPANNER: OUTER DIAMETER MAX 20.7 MM	01 >	-		0,7	IU27	5363
998 CC – 998 / 998S (TESTASTRETTA)	90-100	USE THIN WALLED HEX 16 SPANNER: OUTER DIAMETER MAX 20.7 MM	01 >	-		0,7	IU27	5363
998 CC – 998 MATRIX		USE THIN WALLED HEX 16 SPANNER: OUTER DIAMETER MAX 20.7 MM	04 > 05	-		0,7	IU27	5363
998 CC – S4 R (S) MONSTER	95.7		07 >	U27ESR-N	4131	0,6	IU27	5363
998 CC – S4 RS MONSTER	95.7		06 >	-		0,7	IXU27	5337
999 CC – 999 / 999S / 999R (TESTASTRETTA)		USE THIN WALLED HEX 16 SPANNER: OUTER DIAMETER MAX 20.7 MM	01 >	-		0,7	IU27	5363
1000 CC – 1000 S2 / HR			81 >	W22FPR-U	4022	0,6	IWF22	5379
1000 CC – 1000 SUPERSPORT			06 >	XU24EPR-U	3180	0,9	IXU24	5309
1000 CC – GT 1000 / SPORT CLASSIC			06 > 10	XU24EPR-U	3180	0,9	IXU24	5309
1000 CC – M 1000, 1000S / I.E. MONSTER			03 > 05	XU24EPR-U	3180	0,7	IXU24	5309
1000 CC – PAUL SMART 1000 LIMITED EDITION			06 > 06	XU24EPR-U	3180	0,9	IXU24	5309
1000 CC – SPORT 1000, 1000 S / SPORT CLASSIC			06 > 09	XU24EPR-U	3180	0,9	IXU24	5309
1000 CC – SS1000 / SUPERSPORT			03 > 05	XU24EPR-U	3180		IXU24	5309
1000 CC – ST 3 / SPORTTOURING			04 > 08	U27ESR-N	4131	0,6	IU27	5363
1078 CC – HYPERMOTARD 1100 (TWIN SPARK)		TWIN SPARK	07 > 09	XU24EPR-U	3180	0,9	IXU24	5309
1078 CC – HYPERMOTARD 1100 EVO / EVO S / SP CORSE EDITION		TWIN SPARK	10 >	XU24EPR-U	3180	0,7	IXU24	5309
1078 CC – HYPERMOTARD 1100, 1100 S	66	TWIN SPARK	07 >	XU24EPR-U	3180	0,7	IXU24	5309
1078 CC – MONSTER 1100 / S / EVO		TWIN SPARK	09 >	XU24EPR-U	3180	0,7	IXU24	5309
1078 CC – MULTISTRADA 1100 / 1100 S	70	TWIN SPARK	07 >	XU24EPR-U	3180	0,7	IXU24	5309
DUCSON								
50 CC – AUTOMATIC 49				W20FSR-U	6053	0,5	IWF22	5379

	KW			Standard			Alternative	
								
DUCCSON continued								
50 CC – S21TT / S30TT / XL50 MERCURY				W20FSR-U	6053	0,5	IWF22	5379
50 CC – S9 / S15 / S16 / S20TT				W20FSR-U	6053	0,5	IWF22	5379
DÜRKOPP								
DIANA				W22FS-U	4025	0,5	IWF22	5379
47 CC – MOPED 47				W20FSR-U	6053	0,5	IWF22	5379
150 CC – MD 150				W22FS-U	4025	0,5	IWF22	5379
175 CC – DIANA TS				W24FS-U	4038	0,5	IWF24	5380
175 CC – MD 175				W22FS-U	4025	0,5	IWF22	5379
200 CC – MD 200				W22FS-U	4025	0,5	IWF22	5379
200 CC – MD 201				W22FS-U	4025	0,5	IWF22	5379
350 CC – R 35/3			53 > 55	W20FSR-U	6053	0,6	IWF22	5379
510 CC – EVOLUTION 510				XU24EPR-U	3180	0,6	IXU24	5309
625 CC – EXPLORER 625				X24EPR-U9	4096	0,9	IX24B	5376
950 CC – EXTREME 950				U24ETR	4158	0,7	IU24	5362
1000 CC – ENERGIE 992				XU24EPR-U	3180	0,6	IXU24	5309
ENDRESS								
50 CC – EMF 25			96 >	W22FSR	4024	0,5	IWF22	5379
50 CC – EMR 50 (SK / TD)	3		96 >	W24FSR	4037	0,6	IWF24	5380
ENFIELD								
50 CC – EXPLORER / SILVER PLUS				W22EPR-U	3088	0,6	IW22	5307
125 CC – SCOOTER (125)				W20FSR-U	6053	0,5	IWF22	5379
350 CC – BULLET STRADA		(L=12.7MM THREAD)		W20FSR-U	6053	0,6	IWF22	5379
350 CC – BULLET STRADA		(L=19.0MM THREAD)		W20ESR-U	3057	0,6	-	
350 CC – DE LUXE / SUPER STAR		(L=12.7MM THREAD)		W20FSR-U	6053	0,6	IWF22	5379
350 CC – DE LUXE / SUPER STAR		(L=19.0MM THREAD)		W20ESR-U	3057	0,6	-	
500 CC – BULLET 500		(L=19.0MM THREAD)		W24ESR-U	4033	0,5	IW24	5316
EPELLA								
50 CC – MONKEY 50 EDITION JC50Q-7			07 >	U20FSR-U	4004	0,7	IUF22	5383
50 CC – RT 50			07 >	W22FPR-U	4022	0,7	IWF22	5379
125 CC – CHOPPER 2Z			07 >	U22FSR-U	4008	0,6	IUF22	5383
125 CC – G-MAX 125 PGO			07 >	U22FSR-U	4008	0,6	IUF22	5383
FAMEL-ZÜNDAPP								
50 CC – YUPPIE / XF				W24ESR-U	4033	0,6	IW24	5316
FANTIC (-MOTOR)								
50 CC – BIG WHEEL			93 >	W24FS-U	4038	0,6	IWF24	5380
50 CC – BIP 50 (RACING)			93 >	W24FS-U	4038	0,6	IWF24	5380
50 CC – CABALLERO 160/166 REG./ -COMP / RS / RC			89 >	W24ESR-U	4033	0,5	IW24	5316
50 CC – CABALLERO REPLICA 50			82 > 85	W24FS-U	4038	0,5	IWF24	5380
50 CC – GRINTA			96 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – ISSIMO 470 / -KS / SPORT			82 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – ISSIMO TX 310 /-311 /-317 /-340 / 3 VEL.	0.8-1.5		80 >	W16FS-U	3034	0,5	IWF16	5359
50 CC – KOALA / KALOA	1		87 >	W20ESR-U	3057	0,5	IW20	5306
50 CC – PONY 25		25 KM/H		W22FS-U	4025	0,6	IWF22	5379
50 CC – PONY SR	0.4		94 >	W24FS-U	4038	0,6	IWF24	5380
50 CC – QUEENIE			96 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – TRIAL 50 (PROGRESS)	4.5		86 >	W20ESR-U	3057	0,6	IW20	5306
75 CC – 380 CABALLERO 75 / CABALLERO 80	3.6-7.3		80 > 85	W27FS-U	4052	0,5	IWF27	5381
75 CC – K-ROO	6.8		92 >	W24ESR-U	4033	0,5	IW24	5316
80 CC – CABALLERO 80 / RSX			82 > 85	W24ESR-U	4033	0,5	IW24	5316
80 CC – CABALLERO RC 80				-		0,6	IW31	5319
80 CC – KOALA / KALOA			87 >	W24ESR-U	4033	0,5	IW24	5316
80 CC – OASIS			92 >	W24ESR-U	4033	0,5	IW24	5316
80 CC – SECTION 80	5.9		92 >	Q22PR-U	3010	0,5	IK22	5310
125 CC – CABALLERO 125 REG.			78 >	-		0,5	IW31	5319
125 CC – HP 1 STRADA 125 / -SPORT			85 >	W24ESR-U	4033	0,5	IW24	5316
125 CC – K-ROO	9		92 >	W24ESR-U	4033	0,5	IW24	5316
125 CC – STRADA 125 / -RA			82 >	-		0,5	IW31	5319
125 CC – TRIAL 125.1			86 >	W20FSR-U	6053	0,5	IWF22	5379
200 CC – TRIAL 201			86 >	W22FS-U	4025	0,6	IWF22	5379
210 CC – K-ROO			94 >	Q22PR-U	3010	0,6	IK22	5310
210 CC – TRIAL -240 /-241 /-243 / SEVEN DAYS			82 >	W22FS-U	4025	0,6	IWF22	5379
210 CC – TRIAL -247 /-249			91 >	W24ESR-U	4033	0,6	IW24	5316
250 CC – COACH 250	15		89 >	W24ESR-U	4033	0,7	IW24	5316
250 CC – K-ROO			90 >	W24ESR-U	4033	0,6	IW24	5316
250 CC – SECTION	15		95 >	Q22PR-U	3010	0,5	IK22	5310
250 CC – TX 250				W24ESR-U	4033	0,6	IW24	5316
260 CC – TX 260				W24ESR-U	4033	0,6	IW24	5316









	KW			Standard			Alternative	
								
FANTIC (-MOTOR) continued								
300 CC – TRIAL 300				W24ESR-U	4033	0,7	IW24	5316
300 CC – TRIAL 301 / 305 / 307			88 >	W24ESR-U	4033	0,7	IW24	5316
330 CC – TX 330				W24ESR-U	4033	0,7	IW24	5316
GARELLI								
50 CC – ASTRO 50			80 >	W27FSR	4054	0,8	IWF27	5381
50 CC – BASIC 20 / 25 / 40 / BIMATIC / ES			84 > 92	W20FSR-U	6053	0,5	IWF22	5379
50 CC – BIG WHEEL				W24FS-U	4038	0,6	IWF24	5380
50 CC – BIP 50 / BIP 50 RACING			93 >	W24FS-U	4038	0,6	IWF24	5380
50 CC – EUREKA		<F, GB, GR, CH>		W16FS-U	3034	0,5	IWF16	5359
50 CC – EUROPE / GULP		-> 40 KM/H	81 >	W16FS-U	3034	0,5	IWF16	5359
50 CC – EUROPE / GULP		40 KM/H ->	81 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – FORMUNO. NOI MATIC / TL / 2V			86 > 93	W20FSR-U	6053	0,5	IWF22	5379
50 CC – GARY UNO / DUE				W20FSR-U	6053	0,5	IWF22	5379
50 CC – GRINTA			96 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – KATIA M / -MK / -K				W20FSR-U	6053	0,5	IWF22	5379
50 CC – MINI BIKE / -RECORD / MINI STRADA				W24ESR-U	4033	0,6	IW24	5316
50 CC – MINI MOPED / -SPORT				W16FS-U	3034	0,5	IWF16	5359
50 CC – MOKICK				W20ESR-U	3057	0,6	IW20	5306
50 CC – MOKICK CROSS				W16FS-U	3034	0,5	IWF16	5359
50 CC – MONZA / -CROSS				W24ESR-U	4033	0,6	IW24	5316
50 CC – MOSQUITO	0.7		84 > 93	W16FS-U	3034	0,6	IWF16	5359
50 CC – MOSQUITO / -BABY				W16FS-U	3034	0,5	IWF16	5359
50 CC – NOI BIMATIC / TL / ES / TEAM MAT			85 > 92	W20FSR-U	6053	0,5	IWF22	5379
50 CC – PONY SR / -RACING				W24FS-U	4038	0,6	IWF24	5380
50 CC – QUEENIE			96 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – VELOMOSQUITO				W16FS-U	3034	0,5	IWF16	5359
75 CC – SAHEL 80				W27ESR-U	4045	0,5	IW27	5317
125 CC – GTA 125/ES				W31ESR-U	4176	0,5	IW31	5319
125 CC – TIGER 125 XLE				W31ESR-U	4176	0,5	IW31	5319
125 CC – T-REX 125		4-STROKE	98 >	U22FSR-U	4008	0,7	IUF22	5383
320 CC – 323 TRIAL				W16EPR-U	3021	0,5	IW16	5305
GAS GAS								
50 CC – CONTACT / ENDUCROSS				W24FS-U	4038	0,6	IWF24	5380
50 CC – TXT 50			99 >	W16EPR-U	3021	0,6	IW16	5305
125 CC – CONTACT T12			94 >	W16EPR-U	3021	0,6	IW16	5305
125 CC – CROSS TT 125				-		0,5	IW31	5319
125 CC – EC 125			97 >	W27ESR-U	4045	0,8	IW27	5317
125 CC – ENDUCROSS TT 125				-		0,5	IW31	5319
125 CC – PAMPERA 125	12 - 16		97 >	W16EPR-U	3021	0,6	IW16	5305
125 CC – TRIAL 125 (GT 12 ENDURO)				W16EPR-U	3021	0,5	IW16	5305
125 CC – TXT / TXT PRO 125				W16EPR-U	3021	0,6	IW16	5305
143 CC – CONTACT T 16			94 >	W16EPR-U	3021	0,6	IW16	5305
200 CC – 200 CROSSER			99 >	W24ESR-V	4035	0,6	IW24	5316
200 CC – CONTACT 200 TXT			99 >	W16EPR-U	3021	0,6	IW16	5305
200 CC – EC 200			99 >	W24ESR-U	4033	0,8	IW24	5316
200 CC – PAMPERA 200			97 >	W16EPR-U	3021	0,6	IW16	5305
200 CC – TXT / TXT PRO 200				W16EPR-U	3021	0,6	IW16	5305
237 CC – PAMPERA 250			99 >	W16EPR-U	3021	0,6	IW16	5305
238 CC – CONTACT JT 25			94 >	W16EPR-U	3021	0,5	IW16	5305
249 CC – CONTACT 250 TXT			99 >	W16EPR-U	3021	0,6	IW16	5305
250 CC – 250 CROSSER			99 >	W24ESR-V	4035	0,6	IW24	5316
250 CC – DELTA 25 GT				W16EPR-U	3021	0,5	IW16	5305
250 CC – EC 250			97 >	W24ESR-U	4033	0,8	IW24	5316
250 CC – ENDUCROSS 250				-		0,5	IW31	5319
250 CC – TRIAL 250		AIR COOLED		W16EPR-U	3021	0,5	IW16	5305
250 CC – TRIAL 250		LIQUID COOLED		W16EPR-U	3021	0,5	IW16	5305
250 CC – TXT / TXT PRO 250				W16EPR-U	3021	0,6	IW16	5305
280 CC – CONTACT 280 TXT			99 >	W16EPR-U	3021	0,6	IW16	5305
280 CC – PAMPERA 280			02 >	W16EPR-U	3021	0,6	IW16	5305
280 CC – TXT / TXT PRO 280				W16EPR-U	3021	0,6	IW16	5305
300 CC – 300 CROSSER			99 >	W24ESR-V	4035	0,6	IW24	5316
300 CC – EC 300			99 >	W24ESR-U	4033	0,8	IW24	5316
300 CC – TXT / TXT PRO 300				W16EPR-U	3021	0,6	IW16	5305
321 CC – CONTACT 321 TXT			99 >	W16EPR-U	3021	0,6	IW16	5305
321 CC – TXT 321				W16EPR-U	3021	0,6	IW16	5305
330 CC – DELTA 32 GT				W16EPR-U	3021	0,6	IW16	5305
330 CC – TRIAL 327				W16EPR-U	3021	0,5	IW16	5305
330 CC – TRIAL HALLEY PXC 325				W27ESR-U	4045	0,5	IW27	5317









	KW			Standard			Alternative		
									
GAS GAS <i>continued</i>									
333 CC – PAMPERA 370			97 > 98	W16EPR-U	3021	0,6	IW16	5305	
400 CC – EC 400 FSE			02 >	U24ESR-N	4126	0,7	IU24	5362	
400 CC – SM 400 FSE			03 >	U24ESR-N	4126	0,7	IU24	5362	
450 CC – EC 450 FSE			03 >	U24ESR-N	4126	0,7	IU24	5362	
450 CC – PAMPERA 450			07 >	U24ESR-N	4126	0,7	IU24	5362	
450 CC – SM 450 FSE			04 >	U24ESR-N	4126	0,7	IU24	5362	
500 CC – NORMADE 500				X24ESR-U	4101	0,5	IX24	5372	
GENERIC									
50 CC – ATURA K50				W24FR-L	4154	0,5	IWF24	5380	
50 CC – CRACKER 50				W22ESR-U	3098	0,8	-		
50 CC – EPICO 50				W24FR-L	4154	0,5	IWF24	5380	
50 CC – EVOLUTION 50				W22ESR-U	3098	0,8	-		
50 CC – EXPLORER CRACKER 50				W22ESR-U	3098	0,8	-		
50 CC – EXPLORER KALLIO 50				W24FR-L	4154	0,5	IWF24	5380	
50 CC – EXPLORER RACE 50				W22ESR-U	3098	0,8	-		
50 CC – EXPLORER SPIN 50				W22ESR-U	3098	0,8	-		
50 CC – EXPLORER TWISTER 50				W22ESR-U	3098	0,8	-		
50 CC – G-RIDE EVOLUTION 50				W22ESR-U	3098	0,8	-		
50 CC – IDEO 50				W22ESR-U	3098	0,8	-		
50 CC – KALLIO 50				W24FR-L	4154	0,5	IWF24	5380	
50 CC – OMEN 50				W22ESR-U	3098	0,8	-		
50 CC – ONYX 50				W24FR-L	4154	0,5	IWF24	5380	
50 CC – RACE 50				W22ESR-U	3098	0,8	-		
50 CC – RACE LIMITED 50				W22ESR-U	3098	0,8	-		
50 CC – RIDE CRACKER 50				W22ESR-U	3098	0,8	-		
50 CC – RIDE EVOLUTION 50				W22ESR-U	3098	0,8	-		
50 CC – RIDE KALLIO 50				W24FR-L	4154	0,5	IWF24	5380	
50 CC – RIDE OMEN 50				W22ESR-U	3098	0,8	-		
50 CC – RIDE RACE 50				W22ESR-U	3098	0,8	-		
50 CC – RIDE SLASH 50				W22ESR-U	3098	0,8	-		
50 CC – RIDE TOPIC 50				W22ESR-U	3098	0,8	-		
50 CC – RIDE TWISTER 50				W22ESR-U	3098	0,8	-		
50 CC – RIDE VENDETTA 50				W24FR-L	4154	0,5	IWF24	5380	
50 CC – ROC 50				W22ESR-U	3098	0,8	-		
50 CC – TOXIC 50				W22ESR-U	3098	0,8	-		
50 CC – TRIGGER 50				W27ESR	6069	0,6	IW27	5317	
50 CC – TWISTER 50				W22ESR-U	3098	0,8	-		
50 CC – VENDETTA 50				W24FR-L	4154	0,5	IWF24	5380	
50 CC – XOR 50				W22ESR-U	3098	0,8	-		
125 CC – EXPLORER RACE 125				U24ESR-N	4126	0,7	IU24	5362	
125 CC – RACE 125				U24ESR-N	4126	0,7	IU24	5362	
125 CC – RIDE SARRIO 125				U24ESR-N	4126	0,7	IU24	5362	
125 CC – SOHO 125				U24ESR-N	4126	0,7	IU24	5362	
125 CC – XOR 125				U22FSR-U	4008	0,5	IUF22	5383	
125 CC – ZION125				U24ESR-N	4126	0,7	IU24	5362	
150 CC – SOHO 150				U24ESR-N	4126	0,7	IU24	5362	
GENUINE									
50 CC – BLACK CAT 50				W22FPR-U	4022		IWF22	5379	
50 CC – BUDDY 50				W22FPR-U	4022		IWF22	5379	
50 CC – RATTLER 50				W22FPR-U	4022		IWF22	5379	
110 CC – RATTLER 110				W22FPR-U	4022		IWF22	5379	
125 CC – BLUR 150				U22ESR-N	4174		IU22	5361	
125 CC – BUDDY 125				U22FSR-U	4008		IUF22	5383	
150 CC – STELLA 150				W20ESR-U	3057		-		
200 CC – BLUR 200				U22ESR-N	4174		IU22	5361	
GILERA									
50 CC – 50 6V CROSS / GR2				W24ESR-U	4033	0,5	IW24	5316	
50 CC – 50 ENDURO / -EXPORT				W24ESR-U	4033	0,5	IW24	5316	
50 CC – 50 RS TRIAL / -EXPORT				W24ESR-U	4033	0,5	IW24	5316	
50 CC – 50 TS			79 > 83	W22ESR-U	3098	0,5	-		
50 CC – CB 1 4V / SUPER RE / -RL				W20ESR-U	3057	0,5	IW20	5306	
50 CC – CBA / SS / SSV / GRANDE				W20FSR-U	6053	0,5	IWF22	5379	
50 CC – CITTA			-> ± 25 KM/H	88 >	W16FS-U	3034	0,8	IWF16	5359
50 CC – CITTA			-> ± 50 KM/H	88 >	W20FSR-U	6053	0,8	IWF22	5379
50 CC – DNA 50			(FIXED TERMINAL)	00 >	W27ESR(B)	6069	0,6	IW27	5317
50 CC – EAGLET				93 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – EASY MOVING				95 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – EC 1				92 >	W16FS-U	3034	0,5	IWF16	5359









	KW			Standard			Alternative	
								
GILERA <i>continued</i>								
50 CC – ECO			79 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – GR 2			77 > 84	W20ESR-U	3057	0,5	IW20	5306
50 CC – GR 2 EXPORT / TRIAL				W22ESR-U	3098	0,5	-	
50 CC – GSA			82 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – GSM 50			00 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – ICE 50			00 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – RCR			06 >	-		0,6	IU22	5361
50 CC – RS			75 > 80	W20ESR-U	3057	0,5	IW20	5306
50 CC – RUNNER 50		LIQUID COOLED	97 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – RUNNER 50		LC (FIXED TERMINAL)	97 >	W27ESR(B)	6069	0,6	IW27	5317
50 CC – RUNNER 50 PURE-JET		2-STROKE INJECTION	04 >	N24EXR-B	4225	0,6	IU24	5362
50 CC – RUNNER RACING REPLICIA			04 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – SMT 50		4-STROKE	06 >	-		0,6	IU22	5361
50 CC – STALKER 50			96 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – STORM			94 >	W27ESR-U	4045	0,5	IW27	5317
50 CC – TOURING			73 > 82	W22ESR-U	3098	0,5	-	
50 CC – TREND 50				W16FS-U	3034	0,5	IWF16	5359
50 CC – TS			79 > 83	W20ESR-U	3057	0,5	IW20	5306
50 CC – TYPHOON 50		(L=12.7MM THREAD)	93 >	W27ESR-U	4045	0,6	IW27	5317
80 CC – 80 TG 2 / -3			82 > 83	W27ESR-U	4045	0,5	IW27	5317
90 CC – JUBILEE				W22ESR-U	3098	0,5	-	
100 CC – GIUBILEO 4T / -SS				W24ESR-U	4033	0,5	IW24	5316
125 CC – 125 5V REGOLARITA				-		0,5	IW31	5319
125 CC – 125 ARCORE / -EXPORT			72 > 80	W24ESR-U	4033	0,5	IW24	5316
125 CC – 125 ARIZONA				W27ESR-U	4045	0,5	IW27	5317
125 CC – 125 C1 / -E1 / -E1 COMP				-		0,5	IW01-32	5717
125 CC – 125 C3				-		0,5	IW31	5319
125 CC – 125 CROSS COMPETITION				-		0,5	IW01-32	5717
125 CC – 125 ENDURANCE				W27ESR-U	4045	0,5	IW27	5317
125 CC – 125 ENDURO				-		0,5	IW01-31	5716
125 CC – 125 ER			88 >	W27ESR-U	4045	0,5	IW27	5317
125 CC – 125 FAST BIKE				W27ESR-U	4045	0,5	IW27	5317
125 CC – 125 GR1			76 > 82	W22ESR-U	3098	0,5	-	
125 CC – 125 HAWK			85 > 87	W27ESR-U	4045	0,5	IW27	5317
125 CC – 125 RTT NEBRASKA			86 > 88	W27ESR-U	4045	0,5	IW27	5317
125 CC – 125 SV REGOLARITA				-		0,5	IW29	5318
125 CC – 125 TG1			76 > 82	W22ESR-U	3098	0,5	-	
125 CC – 125 TG2 / TG3			82 > 84	W24ESR-U	4033	0,5	IW24	5316
125 CC – ARIZONA				-		0,5	IW27	5317
125 CC – COUGAR / COGUAR 125	7.9		00 >	X24EPR-U9	4096	0,8	IX24B	5376
125 CC – DNA 125			01 >	U24ESR-NB	4223	0,7	IU24	5362
125 CC – E1 COMPETITION				-		0,5	IW01-31	5716
125 CC – FAST BIKE 125			87 > 89	W27ESR-U	4045	0,5	IW27	5317
125 CC – HX 125				-		0,5	IW31	5319
125 CC – KK 125			86 > 88	W27ESR-U	4045	0,5	IW27	5317
125 CC – KZ 125			86 > 90	W27ESR-U	4045	0,5	IW27	5317
125 CC – NEXUS 125			07 >	U24ESR-NB	4223	0,7	IU24	5362
125 CC – R1 S	21		89 >	-		0,5	IW27	5317
125 CC – RC 125 RALLY				W27ESR-U	4045	0,5	IW27	5317
125 CC – RTX			86 > 87	-		0,5	IW27	5317
125 CC – RUNNER 125 (FX 125 / FX 125 SP)	11.3		98 >	W27ESR-U	4045	0,6	IW27	5317
125 CC – RUNNER 125 (FX 125 / FX 125 SP)	11.3	(FIXED TERMINAL)	98 >	W27ESR(B)	6069	0,6	IW27	5317
125 CC – RUNNER 125 VX			01 >	U24ESR-NB	4223	0,7	IU24	5362
125 CC – RV 125			84 > 87	-		0,5	IW27	5317
125 CC – RX 125			84 > 86	-		0,5	IW27	5317
125 CC – TOP RALLY RC			90 >	W31ESR-U	4176	0,5	IW31	5319
125 CC – TYPHOON 125			95 >	W27ESR-U	4045	0,6	IW27	5317
125 CC – XR 2			89 >	-		0,5	IW27	5317
125 CC – XRI 125				-		0,5	IW27	5317
150 CC – 150 ARCORE / -EXPORT			72 > 80	W24ESR-U	4033	0,5	IW24	5316
180 CC – DNA 180			01 >	U24ESR-NB	4223	0,7	IU24	5362
180 CC – RUNNER 180 (FXR 180 / FXR 180 SP)	15.8		98 >	W27ESR-U	4045	0,6	IW27	5317
180 CC – RUNNER 180 (FXR 180 / FXR 180 SP)	15.8	(FIXED TERMINAL)	98 >	W27ESR(B)	6069	0,6	IW27	5317
180 CC – RUNNER 180 VX			01 >	U24ESR-NB	4223	0,7	IU24	5362
200 CC – 200 T4			82 > 84	W24ESR-U	4033	0,5	IW24	5316
200 CC – ARIZONA			85 > 87	-		0,5	IW27	5317
200 CC – RTX			86 > 87	-		0,5	IW27	5317
200 CC – RTX / RV 200 LC / RX 200 LC			85 > 87	-		0,5	IW27	5317









	KW			Standard			Alternative	
								
GILERA <i>continued</i>								
200 CC – RUNNER 200 VXR	14.5		01 >	U27ESR-NB	4224	0,6	IU27	5363
200 CC – RUNNER ST 200			08 >	U24ESR-NB	4223	0,8	IU24	5362
250 CC – 250 ARIZONA RALLY			85 > 87	W27ESR-U	4045	0,5	IW27	5317
250 CC – 250 C3				-		0,5	IW01-32	5717
250 CC – 250 KK / -KZ				W27ESR-U	4045	0,5	IW27	5317
250 CC – 250 NGR			85 > 87	W27ESR-U	4045	0,5	IW27	5317
250 CC – HX 250				-		0,5	IW01-32	5717
250 CC – NX 250 LC				-		0,5	IW01-32	5717
250 CC – RV 250 NGR				W27ESR-U	4045	0,5	IW27	5317
300 CC – NEXUS 300			09 >	-		0,7	IU24A	5365
350 CC – DAKOTA 350 / -ER				X27EPR-U9	4111	0,7	IX27B	5377
350 CC – XRT 350			88 >	X27EPR-U9	4111	0,7	IX27B	5377
460 CC – NEXUS 500	29	(+ = ADD TERMINAL)	06 >	U22ETR+	4201	0,7	IU22	5361
500 CC – DAKOTA 500			87 >	X27EPR-U9	4111	0,7	IX27B	5377
500 CC – FUOCO 500	29.5	(+ = ADD TERMINAL)	06 >	U22ETR+	4201	0,7	IU22	5361
500 CC – FUOCO 500			07 >	-		0,8	IU24A	5365
500 CC – SATURNO 500			88 > 92	X27EPR-U9	4111	0,7	IX27B	5377
550 CC – 600 NORTHWEST				X27EPR-U9	4111	0,7	IX27B	5377
550 CC – XRT 600		(L=12.7MM THREAD)	88 > 92	X27EPR-U9	4111	0,7	IX27B	5377
600 CC – 600 FB (NORDBAPE)			92 >	X24ESR-U	4101	0,5	IX24	5372
600 CC – 600 SUPERSPORT	87		01 >	U27ESR-N	4131	0,7	IU27A	5366
600 CC – MERCURIO				W22FS-U	4025	0,5	IWF22	5379
600 CC – RC 600			> 92	X24ESR-U	4101	0,5	IX24	5372
600 CC – RC 600 C			92 > 00	X24ESR-U	4101	0,5	IX24	5372
840 CC – GP 800	55.2	(+ = ADD TERMINAL)	07 >	U22ETR+	4201	0,7	IU22	5361
GIMSON								
50 CC – CANTIGO TT / CROSS / JUMPER				W16FS-U	3034	0,5	IWF16	5359
50 CC – ELITE SPORT / SUPER / E2 / E87				W16FS-U	3034	0,5	IWF16	5359
50 CC – NEVADA / AL / MAXI AUTOMATICO				W16FS-U	3034	0,5	IWF16	5359
50 CC – POLARIS / SHIPPER TRIAL				W16FS-U	3034	0,5	IWF16	5359
50 CC – VARIOMATIC / LSA / LSA / - RA				W16FS-U	3034	0,5	IWF16	5359
GITANE-TESTI								
50 CC – BRIGAND BOY / -K / CARNABY 1 / -4				W16FPR-U	4192	0,5	IWF16	5359
50 CC – BRIXIA 4S / -6E				W16FPR-U	4192	0,5	IWF16	5359
50 CC – CARABO CROSS				W24ESR-U	4033	0,5	IW24	5316
50 CC – CARNABY 4R				W20ESR-U	3057	0,5	IW20	5306
50 CC – CHAMPION				W16FS-U	3034	0,7	IWF16	5359
50 CC – CHAMPION SPECIAL				W24ESR-U	4033	0,5	IW24	5316
80 CC – GRAND TOURING				W22FS-U	4025	0,5	IWF22	5379
125 CC – EASY RIDER 125 / 2000 CORSA				W24ESR-U	4033	0,5	IW24	5316
GIULIETTA PERIPOLI								
50 CC – 50 JUNIOR / SPORT				W22FSR	4024	0,6	IWF22	5379
50 CC – POINTER			> 82	W20ESR-U	3057	0,5	IW20	5306
50 CC – POINTER			82 >	W16FS-U	3034	0,5	IWF16	5359
50 CC – POINTER		3M KS	82 >	W20EPR-U	3047	0,5	IW20	5306
50 CC – TRANSPORTER				W24FS-U	4038	0,6	IWF24	5380
GÖRICKE-WERKE								
50 CC – 301 AM / -B				W22FS-U	4025	0,5	IWF22	5379
50 CC – 325 A / -B				W16FPR-U	4192	0,5	IWF16	5359
50 CC – 625 / 725 S / -TL				W16FPR-U	4192	0,5	IWF16	5359
GRC								
40 CC – MIDI	4.6		98 >	W22FS-U	4025	0,5	IWF22	5379
40 CC – RC 40	4.6		98 >	W22FS-U	4025	0,5	IWF22	5379
GULLER								
50 CC – SCOOTER				W16FPR-U	4192	0,5	IWF16	5359
HARLEY-DAVIDSON								
50 CC – M-50 / -S / -ZEFFIRETTO SPORT				W24ESR-U	4033	0,6	IW24	5316
65 CC – MC-65 / M-65 / -S				W16EPR-U	3021	0,6	IW16	5305
80 CC – 80DS				W22FS-U	4025	0,6	IWF22	5379
90 CC – X 90 / Z 90				W16EPR-U	3021	0,6	IW16	5305
100 CC – BAJA MSR / SR 100				W24ESR-U	4033	0,6	IW24	5316
125 CC – 125 RC / -RCX				W24ESR-U	4033	0,6	IW24	5316
125 CC – M 125 / ML 125 / MLS 125				W16EPR-U	3021	0,6	IW16	5305
125 CC – RAPIDO				W16EPR-U	3021	0,6	IW16	5305
125 CC – SS 125				W27ESR-U	4045	0,5	IW27	5317
125 CC – SS 125 / SXT 125				W24ESR-U	4033	0,6	IW24	5316
125 CC – SX 125				W22ESR-U	3098	0,5	-	
125 CC – SX 125 / TX 125				W22ESR-U	3098	0,6	-	









	KW			Standard			Alternative	
								
HARLEY DAVIDSON <i>continued</i>								
125 CC – SXT 125				W27ESR-U	4045	0,5	IW27	5317
175 CC – BOBCAT / SCAT				W16LS	3035	0,7	-	
175 CC – PACER / BTH				W16LS	3035	0,7	-	
175 CC – SS 175				W27ESR-U	4045	0,5	IW27	5317
175 CC – SS 175 / SX 175			76 > 77	W27ESR-U	4045	0,5	IW27	5317
250 CC – MX 250			> 78	W27ESR-U	4045	0,6	IW27	5317
250 CC – SS 250			75 > 77	W27ESR-U	4045	0,5	IW27	5317
250 CC – SX 250			74 > 75	W24ESR-U	4033	0,5	IW24	5316
250 CC – SX 250			76 > 77	W27ESR-U	4045	0,5	IW27	5317
350 CC – ALL MODELS			73 > 74	W24ESR-U	4033		IW24	5316
350 CC – SX 350 / -SPRINT / -C / -H / -SS			> 74	W24ESR-U	4033	0,6	IW24	5316
883 CC – SPORTSTER ALL MODELS	24-47		85 >	XU22EPR-U	3179	0,9	IXU22	5308
883 CC – SPORTSTER ALL MODELS	24-47	(18MM HEX)	85 >	X22EPR-U9	4086	0,9	IX22B	5375
883 CC – XLH 883 SPORTSTER / HUGGER	24-36		94 >	XU22EPR-U	3179	0,9	IXU22	5308
883 CC – XLH 883 SPORTSTER / HUGGER	24-36	(18MM HEX)	94 >	X22EPR-U9	4086	0,9	IX22B	5375
900 CC – XL / KH - MODELS			54 > 71	W16LS	3035	0,7	-	
1000 CC – VR 1000	99		96 >	-		0,7	IXU01-31	5732
1000 CC – XL / XLCR / XLCH / XLH / XLS			71 > 78	W16LS	3035	0,7	-	
1000 CC – XLS / XLH / XLCH			79 > 85	W20FPR-U	3070	0,8	IWF20	5378
1000 CC – XR			83 > 85	W20EPR-U10	3048	1,0	IW20	5306
1100 CC – XL EVOLUTION			85 > 87	XU22EPR-U	3179	0,9	IXU22	5308
1100 CC – XL EVOLUTION		(18MM HEX)	85 > 87	X22EPR-U9	4086	0,9	IX22B	5375
1130 CC – V-ROD VRSC			02 >	-		1,0	IXU24	5309
1130 CC – V-ROD VRSCSE			01 >	-		1,0	IXU24	5309
1130 CC – VRSC- V-ROD			02 > 05	XU24EPR-U	3180		IXU24	5309
1131 CC – V-ROD VRSCA	85		01 >	XU24EPR-U	3180	0,9	IXU24	5309
1200 CC – DUO GLIDE / ELECTRA GLIDE				W16PR-U	3037	0,7	-	
1200 CC – EVOLUTION			86 > 05	XU22EPR-U	3179	0,9	IXU22	5308
1200 CC – EVOLUTION		(18MM HEX)	86 > 05	X22EPR-U9	4086	0,9	IX22B	5375
1200 CC – PANHEAD FL / FX MODELS			48 > 65	W16PR-U	3037	0,7	-	
1200 CC – SHOVELHEAD ALL MODELS			65 > 74	W16PR-U	3037	0,7	-	
1200 CC – SHOVELHEAD ALL MODELS			75 > 84	W16EXR-U11	3032	1,0	IW16	5305
1200 CC – SPORTSTER 1200 CUSTOM XL1200C/04			04 >	XU22EPR-U	3179	0,8	IXU22	5308
1200 CC – SPORTSTER 1200 NIGHTSTER XL1200N			08 >	-		1,0	IXU24	5309
1200 CC – XL 1200 SPORTSTER / SPORT / CUSTOM	25-43	XL 1200 S/C	96 >	XU22EPR-U	3179	0,9	IXU22	5308
1200 CC – XL 1200 SPORTSTER / SPORT / CUSTOM	25-43	(18MM HEX)	96 >	X22EPR-U9	4086	0,9	IX22B	5375
1200 CC – XL 1200R SPORTSTER EVOLUTION			04 > 07	-		---	IXU22	5308
1200 CC – XR 1200			08 > 09	-		1,0	IXU24	5309
1200 CC – XR 1200X			10 >	XU24EPR-U	3180	1,0	IXU24	5309
1250 CC – NIGHT ROD SPECIAL VRSCDX/08			08 >	-		1,0	IXU24	5309
1250 CC – V-ROD VRSCAW			08 >	-		1,0	IXU24	5309
1340 CC – BAD BOY / FAT BOY / STURGIS		FLSTF, FXDB	90 > 02	W16EXR-U11	3032	1,0	IW16	5305
1340 CC – DYNA GLIDE- / SUPER, CONVERTIBLE, WIDE, LOW		FXD, FXDS-CON	> 02	W16EXR-U11	3032	1,0	IW16	5305
1340 CC – ELECTRA GLIDE- / CLASSIC, ROAD KING (EFI)		FLHRI, FLHTCI	> 02	W16EXR-U11	3032	1,0	IW16	5305
1340 CC – ELECTRA GLIDE- / CLASSIC, ROAD KING, STANDARD		..., FLHR,...	> 02	W16EXR-U11	3032	1,0	IW16	5305
1340 CC – EVOLUTION ENGINE ALL MODELS			84 > 02	W16EXR-U11	3032	1,0	IW16	5305
1340 CC – HERITAGE SPRINGER		FLSTS	98 >	W16EXR-U11	3032	1,0	IW16	5305
1340 CC – NIGHT TRAIN- / ..CUSTOM	25 - 37	FXSTB	98 > 02	W16EXR-U11	3032	1,0	IW16	5305
1340 CC – SHOVELHEAD / FL / FX			78 > 83	W16EXR-U11	3032	1,0	IW16	5305
1340 CC – SHOVELHEAD / FXE / FXSB / FXWG / FXR			84 >	W16EXR-U11	3032	1,0	IW16	5305
1340 CC – SOFTAIL- / CUSTOM, HERITAGE, SPRINGER		FXSTD, FXSTS, FXST	> 02	W16EXR-U11	3032	1,0	IW16	5305
1340 CC – ULTRA CLASSIC- / ELECTRA GLIDE (CARB. / EFI)		FLHTCU, FLHTCUI	> 02	W16EXR-U11	3032	1,0	IW16	5305
1340 CC – V2 EVOLUTION FL.. / FX.. MODELS			84 > 02	W16EXR-U11	3032	1,0	IW16	5305
1450 CC – ALL TWIN CAM 88 / TWIN CAM 88B. (CARB. / EFI)		(18MM HEX)	98 >	X22EPR-U9	4086	0,9	IX22B	5375
1450 CC – DYNA LOW RIDER / ..WIDE GLIDE (TWIN CAM 88)	50	FXDL, FXDWG	98 >	XU22EPR-U	3179	0,9	IXU22	5308
1450 CC – DYNA SUPER GLIDE .. / -SPORT) (TWIN CAM 88)	50	FXD, FXDX <T>	98 >	XU22EPR-U	3179	0,9	IXU22	5308
1450 CC – ELECTRA GLIDE.. / ULTRA GLIDE.. (T.C. 88)	50	FLHT, FLHRCI	98 >	XU22EPR-U	3179	0,9	IXU22	5308
1450 CC – FAT BOY (TWIN CAM 88B)	50	FLSTF, FLSTFI	99 >	XU22EPR-U	3179	0,9	IXU22	5308









	KW			Standard			Alternative	
								
HARLEY DAVIDSON <i>continued</i>								
1450 CC – FL / FX (TWIN CAM 88)		TC88	98 > 05	XU22EPR-U	3179	1,0	IXU22	5308
1450 CC – HERITAGE /-SPRINGER /-SOFTAIL (TWIN CAM 88B)		FXSTS, FLSTS, FLSTC < >	99 >	XU22EPR-U	3179	0,9	IXU22	5308
1450 CC – NIGHT TRAIN (TWIN CAM 88B)		FXSTB	99 >	XU22EPR-U	3179	0,9	IXU22	5308
1450 CC – ROAD KING CLASSIC / ROAD GLIDE (EFI) (T.C.88)	50	FLTRI, FLHRCI	98 >	XU22EPR-U	3179	0,9	IXU22	5308
1450 CC – ROAD KING.. / ROAD GLIDE.. (EFI) (TWIN CAM 88)	50	FLHR	98 >	XU22EPR-U	3179	0,9	IXU22	5308
1584 CC – DYNA FAT BOB FXDF			08 >	XU22EPR-U	3179	1,0	IXU22	5308
1584 CC – DYNA WIDE GLIDE			09 >	XU22EPR-U	3179	1,0	IXU22	5308
1584 CC – FLST CROSS BONES FLSTB			08 >	XU22EPR-U	3179	1,0	IXU22	5308
1584 CC – TWIN CAM 96 MODELS			06 >	XU22EPR-U	3179	1,0	IXU22	5308
1585 CC – SOFTAIL ROCKER C			08 >	XU22EPR-U	3179	1,0	IXU22	5308
1690 CC – E-GLIDE ULTRA LIMITED			10 >	XU22EPR-U	3179	1,0	IXU22	5308
1800 CC – CVO			09 >	XU22EPR-U	3179	1,0	IXU22	5308
1800 CC – CVO-LTRSE			09 >	XU22EPR-U	3179	1,0	IXU22	5308
1800 CC – FAT BOB			09 >	XU22EPR-U	3179	1,0	IXU22	5308
1800 CC – STREET BOB			09 >	XU22EPR-U	3179	1,0	IXU22	5308
HERCULES								
30 CC – SAXONETTE CLASSIC	0.5		87 >	W14PR-U	6021	0,5	-	
50 CC – 22 TS / LTS / S / TH				W16FPR-U	4192	0,5	IWF16	5359
50 CC – CITY CV 50				W20FPR-U	3070	0,7	IWF20	5378
50 CC – CITY-BIKE C1 / C2 / C3			72 > 79	W20FSR-U	6053	0,7	IWF22	5379
50 CC – HOBBY RIDER HR1 / -HR2			72 > 88	W20FSR-U	6053	0,5	IWF22	5379
50 CC – K 50 ULTRA / KE 50SE / KS 50/ 67			> 79	W24FS-U	4038	0,5	IWF24	5380
50 CC – KX 5			86 >	W22FPR-U	4022	0,5	IWF22	5379
50 CC – MX 1			89 >	W16FS-U	3034	0,5	IWF16	5359
50 CC – PRIMA 2 / 3 / 4 / 6/ GT / GX / S / SL / SX			78 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – PRIMA 2S / 3S / 5 / 5S / 5SE / GT			89 >	W16FS-U	3034	0,5	IWF16	5359
50 CC – PRIMA PRESTO / PRONTO			82 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – REGGAE / REGGAE RS			96 >	W22FS-U	4025	0,6	IWF22	5379
50 CC – ROLLER 50 (S)			> 77	W20FSR-U	6053	0,5	IWF22	5379
50 CC – SAMBA SR 50			96 >	W24FS-U	4038	0,5	IWF24	5380
50 CC – SPLINTER	3.7		96 >	W24FS-U	4038	0,5	IWF24	5380
50 CC – SUPER ENDURO			80 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – XE 5			83 >	W22FPR-U	4022	0,5	IWF22	5379
50 CC – ZX 1				W22ESR-U	3098	0,6	-	
80 CC – KE 5				W20FPR-U	3070	0,5	IWF20	5378
80 CC – RX 9			83 >	W24FS-U	4038	0,5	IWF24	5380
80 CC – SAMBA SR 80			94 >	W24FS-U	4038	0,6	IWF24	5380
80 CC – ULTRA 80 AC / RS 80 AC			82 >	W22FS-U	4025	0,5	IWF22	5379
80 CC – ULTRA 80 LC / -XE9 / -XR9			82 >	W24FS-U	4038	0,5	IWF24	5380
80 CC – XE 9			82 >	W24FS-U	4038	0,5	IWF24	5380
100 CC – 100 / 4 S (F & S)				M22	5003	0,5	-	
100 CC – K 100 / K 101 / K 102				M24S	5004	0,5	-	
100 CC – K 103 / K 101/4 / K 103S				M22	5003	0,5	-	
100 CC – K 105X / K 100X				W24FS-U	4038	0,5	IWF24	5380
125 CC – K 125 BW MILITARY / K 125 X			74 >	W24FS-U	4038	0,5	IWF24	5380
125 CC – K 125 GS / MC				W27ESR-U	4045	0,5	IW27	5317
125 CC – SAMBA SR 125	7.1			W20FPR-U	3070	0,7	IWF20	5378
250 CC – 250 GS			77 >	W27ESR-U	4045	0,5	IW27	5317
300 CC – W 2000			74 > 78	W22ESR-U	3098	0,5	-	
350 CC – 350 GS				-		0,5	IW27	5317
HESKETH								
1000 CC – V 1000				X24ESR-U	4101	0,7	IX24	5372
HIGHLAND								
450 CC – 450 MX			07 >	U24ESR-N	4126	0,6	IU24	5362
450 CC – OUTBACK			03 >	U24ESR-N	4126	0,6	IU24	5362
950 CC – ALLROAD			04 >	U24ESR-N	4126	0,6	IU24	5362
950 CC – DESSERT STROM			06 >	U24ESR-N	4126	0,6	IU24	5362
950 CC – DIRT TRAC			07 >	U24ESR-N	4126	0,6	IU24	5362
950 CC – SUPER MOTARD			07 >	U24ESR-N	4126	0,6	IU24	5362
HM RACING								
50 CC – CRE 50		(STANDARD)	99 >	W24ESR-U	4033	0,7	IW24	5316
50 CC – CRE 50		(FAST DRIVING = OPTION)	99 >	W27ESR-U	4045	0,7	IW27	5317
50 CC – CRX / RACING / MX JUNIOR & SENIOR			01 >	W24FS-U	4038	0,5	IWF24	5380
50 CC – DERAPAGE / SIX / BAJA SX			98 >	W24ESR-U	4033	0,5	IW24	5316
125 CC – CR 125			99 >	-		0,6	IW27	5317


	KW			Standard			Alternative	
								
HMZ > HYOSUNG HODAKA								
90 CC – ACE 90				W22S-U	4027		-	
100 CC – ACE 100				W24S-U	4040		-	
100 CC – DIRT SQUIRT				W24FS-U	4038		IWF24	5380
100 CC – DIRT SQUIRT		(96-92C)		W24S-U	4040		-	
100 CC – ROAD TOAD				W24FS-U	4038		IWF24	5380
100 CC – SUPER RAT/93				W31FS	4065		-	
100 CC – SUPER RAT/98				W27FS-U	4052		IWF27	5381
125 CC – COMBAT WOMBAT				W27FS-U	4052		IWF27	5381
125 CC – SUPER WOMBAT				W27FS-U	4052		IWF27	5381
125 CC – WOMBAT				W22FS-U	4025		IWF22	5379
175 CC – 175 SL				W24ESR-U	4033		IW24	5316
250 CC – 250 ED				W27ESR-U	4045		IW27	5317
250 CC – 250 SL				W24ESR-U	4033		IW24	5316
HONDA								
50 CC – BALI 50 (SJ 50)			93 >	W20FR-L	4161	0,7	IWF20	5378
50 CC – C 310 / C311 / C321				U22FSR-U	4008	0,6	IUF22	5383
50 CC – C 50 (J / N)			88 > 92	U20FSR-U	4004	0,7	IUF22	5383
50 CC – C 50 (P / T)			93 > 96	U22FSR-U	4008	0,7	IUF22	5383
50 CC – C 50 E (SUPER CUB)	1.5		84 >	U20FSR-U	4004	0,6	IUF22	5383
50 CC – C 50 -L / -LA	3-4		67 >	U22FSR-U	4008	0,6	IUF22	5383
50 CC – C 50 S (N->T)			93 > 96	U22FSR-U	4008	0,7	IUF22	5383
50 CC – C 50 SDX / DMC (SUPER CUB)	3.3		82 >	U22FSR-U	4008	0,6	IUF22	5383
50 CC – C 50 SW R			93 > 94	U20FSR-U	4004	0,6	IUF22	5383
50 CC – C100 / C102 / C110			59 > 62	U22FSR-U	4008		IUF22	5383
50 CC – CA102 / CA100 / T / CA110 / CA220			61 > 70	U22FSR-U	4008		IUF22	5383
50 CC – CAMINO PA 50			75 > 88	W20FPR-U	3070	0,7	IWF20	5378
50 CC – CB 50 J / S				U20FSR-U	4004	0,7	IUF22	5383
50 CC – CB 50 Y			73 > 83	U20FSR-U	4004	0,7	IUF22	5383
50 CC – CB50R		DREAM 50R	04 >	-			IUH27	5369
50 CC – CD 50				U22FSR-U	4008	0,7	IUF22	5383
50 CC – CF 50 (CHALY)				U22FSR-U	4008	0,7	IUF22	5383
50 CC – CHF50/P		METROPOLITAN I & II SCOOTER	02 > 03	U24FER9	4127		IUH24	5368
50 CC – CHF50/S		METROPOLITAN	06 > 07	U24FER9	4127		IUH24	5368
50 CC – CR 50				W27ESR-U	4045	0,7	IW27	5317
50 CC – CRF 50 F			04 >	U22FSR-U	4008	0,7	IUF22	5383
50 CC – CY 50			81 >	U20FSR-U	4004	0,7	IUF22	5383
50 CC – DAX ST 50				U20FSR-U	4004	0,7	IUF22	5383
50 CC – DREAM 50			97 >	U24FER9	4127	0,9	IUH24	5368
50 CC – DREAM 50		RACEKIT	97 >	-		0,7	IU31A	5367
50 CC – ELITE 50 / S				W20FPR-L	3069	0,7	IWF20	5378
50 CC – GIORNO CREA (AF54)	3.5		99 >	U24FER9	4127	0,9	IUH24	5368
50 CC – LEAD NH 50		LIQUID COOLED		W20FPR-U	3070	0,7	IWF20	5378
50 CC – MB 50 F (AC01)				W24FSR	4037	0,7	IWF24	5380
50 CC – MB 50 S (AC01)				W22FSR	4024	0,7	IWF22	5379
50 CC – MBX 50 M (AC05)				W27ESR-U	4045	0,7	IW27	5317
50 CC – MBX 50 S (AC05)				W27ESR-U	4045	0,7	IW27	5317
50 CC – MBX 50 SD (AC05)				W20ESR-U	3057	0,7	-	
50 CC – MR 50				W20FSR-U	6053	0,7	IWF22	5379
50 CC – MT 50		<NL>		W22FSR	4024	0,7	IUF22	5379
50 CC – MT 50 F (AD04)				W24FSR	4037	0,7	IWF24	5380
50 CC – MT 50 S (AD04)		(L=19.0MM THREAD)		W20ESR-U	3057	0,7	-	
50 CC – MTX 50 R		(L=19.0MM THREAD)		W24ESR-U	4033	0,7	IW24	5316
50 CC – MTX 50 S		(L=12.0MM THREAD)	86 >	W24FSR	4037	0,7	IWF24	5380
50 CC – NB 50			> 84	W20FPR-L	3069	0,7	IWF20	5378
50 CC – NB 50 M MELODY (AB07)			85 >	W20FPR-U	3070	0,7	IWF20	5378
50 CC – NC 50 (EXPRESS)				W14FPR-UL	4016	0,7	IWF16	5359
50 CC – NE 50				W20FPR-L	3069	0,7	IWF20	5378
50 CC – NE 50 VISION			90 >	W20FR-L	4161	0,7	IWF20	5378
50 CC – NH 50 LEAD / MS LEAD			85 > 88	W20FPR-U	3070	0,7	IWF20	5378
50 CC – NSR 50 (50 / 2 P)	1.5	<NL>	94 >	W24ESR-U	4033	0,7	IW24	5316
50 CC – NSR 50 (50 / 2 P)	2.2		94 >	W24ESR-U	4033	0,7	IW24	5316
50 CC – NT 50				W20FPR-L	3069	0,7	IWF20	5378
50 CC – NX 50				W16FPR-U	4192	0,7	IWF16	5359
50 CC – NX 50 M				W16FPR-U	4192	0,7	IWF16	5359
50 CC – PA 50			82 > 84	W20FPR-U	3070	0,7	IWF20	5378
50 CC – PC 50 (K1)		4-STROKE	70 > 88	U22FSR-U	4008	0,6	IUF22	5383
50 CC – PF 50				W20FPR-U	3070	0,7	IWF20	5378
50 CC – PF 50 (./R/DXR) AMIGO/NOVIO		4-STROKE	70 > 88	U22FSR-U	4008	0,6	IUF22	5383









	KW			Standard			Alternative	
								
HONDA continued								
50 CC – PK 50 WALLAROO			90 >	W20FR-L	4161	0,7	IWF20	5378
50 CC – PM 50				W20FPR-U	3070	0,7	IWF20	5378
50 CC – PX 50			80 > 90	W16FPR-U	4192	0,7	IWF16	5359
50 CC – PZ 50				W20FSR-U	6053	0,7	IWF22	5379
50 CC – QR 50				W14FPR-UL	4016	0,7	IWF16	5359
50 CC – SA 50 VISION (VISION MET-IN) (AF29)			> 83	W20FPR-L	3069	0,7	IWF20	5378
50 CC – SA 50 VISION (VISION MET-IN) (AF29)			94 >	W20FR-L	4161	0,7	IWF20	5378
50 CC – SE 50			87 >	W20FPR-L	3069	0,7	IWF20	5378
50 CC – SFX 50		CAT	95 >	W20FR-L	4161	0,7	IWF20	5378
50 CC – SFX 50 .. / (S) / SPORT			95 >	W20FR-L	4161	0,7	IWF20	5378
50 CC – SGX 50 (SKY)		CAT	97 >	W20FR-L	4161	0,7	IWF20	5378
50 CC – SH 50			84 > 87	W24FSR	4037	0,7	IWF24	5380
50 CC – SH 50 (SCOOPY)		H,K,M	87 > 92	W20FPR-U	3070	0,7	IWF20	5378
50 CC – SH 50 (SCOOPY)		P,S	93 > 95	W20FPR-L	3069	0,7	IWF20	5378
50 CC – SH 50 (SCOOPY) (AF40)		N,T,V	96 >	W20FR-L	4161	0,7	IWF20	5378
50 CC – SH 50 H		<E,P>	96 >	W20FPR-L	3069	0,7	IWF20	5378
50 CC – SH 50 H			96 >	W20FPR-U	3070	0,7	IWF20	5378
50 CC – SH FIFTY			96 >	W20FPR-L	3069	0,7	IWF20	5378
50 CC – SJ 50 (BALI)			93 >	W20FR-L	4161	0,7	IWF20	5378
50 CC – SRX 50 SHADOW (JOKER)	3.6	AF 20 E	97 >	W20FR-L	4161	0,7	IWF20	5378
50 CC – SS 50				U22FSR-U	4008	0,6	IUF22	5383
50 CC – SS 50 / CD50 / BENLY / DAX		RACE		-		0,6	IUF27A	5385
50 CC – SS 50 / CD50 / BENLY / DAX		RACE (OPTION)		-		0,6	IUF31A	5386
50 CC – SS 50 M		<D>	73 > 88			0,6	IUF27A	5385
50 CC – SS 50 Z						0,6	IUF27A	5385
50 CC – SS 50 Z		<B, F, GB, NL>		U20FSR-U	4004	0,6	IUF22	5383
50 CC – ST 50 C DAX (AB23)			88 >	U20FSR-U	4004	0,7	IUF22	5383
50 CC – TLM 50				W24ESR-U	4033	0,7	IW24	5316
50 CC – TODAY 50 (AF61)			02 >	U22FSR-U	4008	0,7	IUF22	5383
50 CC – X8R-S / X8R-X (SZX50)			97 >	W20FR-L	4161	0,7	IWF20	5378
50 CC – XL 50			80 >	U20FSR-U	4004	0,7	IUF22	5383
50 CC – XR 50 / XR 50 R			93 >	U20FSR-U	4004	0,7	IUF22	5383
50 CC – Z 50 GZ			80 > 85	U20FSR-U	4004	0,7	IUF22	5383
50 CC – Z 50 J				U20FSR-U	4004	0,7	IUF22	5383
50 CC – Z 50 R			94 >	U20FSR-U	4004	0,7	IUF22	5383
50 CC – ZB 50 P (AB22)			88 >	U20FSR-U	4004	0,7	IUF22	5383
50 CC – ZOOMER NPS 50 (ED-TYPE)	3		04 >	Y24FER-C	4185		IY24	5400
65 CC – C 65 / CA65/CS65/CL65/CS65	4		65 > 69	U22FSR-U	4008	0,6	IUF22	5383
70 CC – C 70 / CD 70 / CUB 70 / C 70 M			69 >	U22FSR-U	4008	0,6	IUF22	5383
70 CC – C 70 E SUPER CUB		CDI		U22FSR-U	4008	0,6	IUF22	5383
70 CC – CRF 70 F			04 >	U20FSR-U	4004		IUF22	5383
70 CC – CRF 70 F			07 >	U20FSR-U	4004	0,7	IUF22	5383
70 CC – CT 70			91 >	U20FSR-U	4004	0,7	IUF22	5383
70 CC – ST 70 DAX			> 94	U22FSR-U	4008	0,7	IUF22	5383
70 CC – ST 70 DAX			94 >	U20FSR-U	4004	0,7	IUF22	5383
70 CC – XR 70 R (V)			96 >	U20FSR-U	4004	0,6	IUF22	5383
75 CC – NS-1 75		LIQUID COOLED	96 >	-		0,6	IW24	5316
75 CC – NSR 75			88 >	W24ESR-U	4033	0,6	IW24	5316
80 CC – CR 80 R		D, E, F, 2F, G, 2G	> 85	W27ESR-U	4045	0,7	IW27	5317
80 CC – CR 80 R / CR 80 RB		G, H-T	86 >	-		0,7	IW31	5319
80 CC – CRF 80 F			04 >	U20FSR-U	4004		IUF22	5383
80 CC – CY 80				U22FSR-U	4008	0,7	IUF22	5383
80 CC – MB 80 (HC01)			80 >	W24FSR	4037	0,7	IWF24	5380
80 CC – MBX 80 SWD / -SW2D (HC04)			87 >	W27ESR-U	4045	0,7	IW27	5317
80 CC – MCX 80 (HC05)			80 >	W27ESR-U	4045	0,8	IW27	5317
80 CC – MT 80 F			80 >	W27FSR	4054	0,8	IWF27	5381
80 CC – MT 80 S (HD02)			80 >	W24FSR	4037	0,7	IWF24	5380
80 CC – MTX 80 C			82 >	W27FSR	4054	0,7	IWF27	5381
80 CC – MTX 80 R (HD08)		<F >		W24ESR-U	4033	0,7	IW24	5316
80 CC – MTX 80 R (HD08)		<D >		W27ESR-U	4045	0,7	IW27	5317
80 CC – MTX 80 R II			87 >	W27ESR-U	4045	0,7	IW27	5317
80 CC – MTX 80 RS (HD08)			83 > 85	W27ESR-U	4045	0,7	IW27	5317
80 CC – NH 80 MS LEAD (HD01)			83 >	W20FPR-U	3070	0,7	IWF20	5378
80 CC – NSR 80				W24FSR	4037	0,7	IWF24	5380
80 CC – SH 80 E (SCOOPY)			84 >	W20FPR-U	3070	0,7	IWF20	5378
80 CC – XR 80 R			92 > 95	U22FSR-U	4008	0,7	IUF22	5383
80 CC – XR 80 R			95 >	U22FSR-U	4008	0,6	IUF22	5383
85 CC – CR 85			01 >	-		0,7	IW31	5319




	KW			Standard			Alternative	
								
HONDA continued								
85 CC – CR 85 R			07 >	-		0,6	IW31	5319
90 CC – C 90 / CD 90 / CA 90				X20FSR-U	4080	0,6	-	
90 CC – C 90 SUPER CUB				X20FSR-U	4080	0,6	-	
90 CC – C 90 Z 2 / ZZ		CDI		X20FSR-U	4080	0,6	-	
90 CC – CT 90 / M90 / SUPER 90				X24FS-U	4103	0,6	-	
90 CC – EZ 90 (CUB)			91 >	W22FSR	4024	0,7	IWF22	5379
90 CC – NH 90 (... / YUPPY)			90 >	W20FPR-L	3069	0,7	IWF20	5378
90 CC – SRX 90 SHADOW (JOKER)			97 >	W20FR-L	4161	0,7	IWF20	5378
100 CC – CRF 100 F			07 >	U22FSR-U	4008	0,7	IUF22	5383
100 CC – CRF 100F			04 >	U22FSR-U	4008		IUF22	5383
100 CC – LEAD 100			08 >	U24FER9	4127	0,9	IUH24	5368
100 CC – SCV 100 LEAD			02 >	U20FSR-U	4004	0,7	IUF22	5383
100 CC – SH 100 (SCOOPY)			95 >	W20FR-L	4161	0,7	IWF20	5378
100 CC – SJ 100 (EX) BALI			95 >	W20FR-L	4161	0,7	IWF20	5378
100 CC – XR 100 R			82 >	U22FSR-U	4008	0,7	IUF22	5383
110 CC – CG 110				X24ESR-U	4101	0,7	IX24	5372
110 CC – CT 110			80 >	X24ESR-U	4101	0,7	IX24	5372
110 CC – LEAD	6.6		08 >	U24FER9	4127	0,9	IUH24	5368
125 CC – @ 125 (NES125)			99 >	U24FER9	4127	0,9	IUH24	5368
125 CC – ANF 125 INNOVA	7		02 >	U20EPR9	4228	0,9	IU20	5360
125 CC – CA 125 REBEL (JC24) (JC26)			95 >	U20FSR-U	4004	0,6	IUF22	5383
125 CC – CB 125				X24ESR-U	4101	0,7	IX24	5372
125 CC – CB 125 K				X24FS-U	4103	0,7	-	
125 CC – CB 125 N / S			> 81	X27ESR-U	4116	0,7	IX27	5373
125 CC – CB 125 T / Y (JC06)				U24FSR-U	4010	0,7	IUF24	5384
125 CC – CBF 125			09 >	U22EPR9	4234	0,9	IU24/IU24D	5365
125 CC – CBR 125 R	9.7			U24ESR-N	4126	0,8	IU24	5362
125 CC – CBR 125 R			07 >	U24ESR-N	4126	0,7	IU24	5362
125 CC – CC 125				X24ESR-U	4101	0,7	IX24	5372
125 CC – CD 125 T				U22FSR-U	4008	0,7	IUF22	5383
125 CC – CG 125			76 > 92	X24ESR-U	4101	0,7	IX24	5372
125 CC – CG 125	8		93 >	X24EPR-U9	4096	0,9	IX24B	5376
125 CC – CH 125 SPACY / ELITE			84 >	X22EPR-U9	4086	0,9	IX22B	5375
125 CC – CLR 125 CITYFLY				X24EPR-U9	4096	0,9	IX24B	5376
125 CC – CM 125 (JC05)				U22FSR-U	4008	0,7	IUF22	5383
125 CC – CM 125 C CUSTOM			94 >	U22FSR-U	4008	0,7	IUF22	5383
125 CC – CR 125 R		(EURO3)	07 >	U24ESR-N	4126	0,7	IU24	5362
125 CC – CR 125 R			83 > 96	W27ESR-V	4049	0,5	IW27	5317
125 CC – CR 125 R		V, W-	97 >	W27ESR-V	4049	0,6	IW27	5317
125 CC – CRM 125 / CRM 125 R			89 >	-		0,6	IW27	5317
125 CC – CT 125				X24ESR-U	4101	0,7	IX24	5372
125 CC – FES 125 PANTHEON		4-STROKE, LC	02 >	U24FER9	4127	0,9	IUH24	5368
125 CC – FES 125 PANTHEON	11	2-STROKE, LC	97 >	W24ESR-U	4033	0,7	IW24	5316
125 CC – ITALIA 125		<>		X24ESR-U	4101	0,7	IX24	5372
125 CC – LEAD 125 (JF01)			82 >	W20FPR-U	3070	0,7	IWF20	5378
125 CC – MBX 125 F				W27ESR-U	4045	0,8	IW27	5317
125 CC – MTX 125				W27ESR-U	4045	0,8	IW27	5317
125 CC – MTX 125 (R)		<>		W24ESR-U	4033	0,8	IW24	5316
125 CC – MTX 125 R2		<>		W27ESR-U	4045	0,7	IW27	5317
125 CC – NES 125 (@ 125)			99 >	U24FER9	4127	0,9	IUH24	5368
125 CC – NF 125 KARISMA / KIRANA			02 >	U20EPR9	4228	0,9	IU20	5360
125 CC – NH 125 D LEAD / AERO			83 >	W20FPR-U	3070	0,7	IWF20	5378
125 CC – NS 125 F		<>		W27ESR-U	4045	0,7	IW27	5317
125 CC – NS 125 FG / -FH / -RK / -RL		<>		W22ESR-U	3098	0,7	-	
125 CC – NS 125 R		<>		W27ESR-U	4045	0,7	IW27	5317
125 CC – NSR 125 F				-		0,7	IW27	5317
125 CC – NSR 125 R	11-21			-		0,7	IW27	5317
125 CC – NX 125 (TRANSCITY)			89 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – PCX 125			10 >	U22EPR9	4234	0,9	IU24A/IU24D	
125 CC – PS 125 I			06 >	U24FER9	4127	0,9	IUH24	5368
125 CC – PS 150 I			06 >	U24FER9	4127	0,9	IUH24	5368
125 CC – SES 125 DYLAN			02 >	U24FER9	4127	0,9	IUH24	5368
125 CC – SH 125 (... / SCOOPY)	10.1		01 >	U24FER9	4127	0,9	IUH24	5368
125 CC – SH 125I	10.1		09 >	U24FER9	4127	0,9	IUH24	5368
125 CC – SJ 100 (T) BALI			95 >	W20FR-L	4161	0,7	IWF20	5378
125 CC – SONIC 125 RS			02 >	U24ESR-N	4126	0,8	IU24	5362
125 CC – S-WING 125			07 >	U24FER9	4127	0,9	IUH24	5368
125 CC – TL 125				X24ESR-U	4101	0,7	IX24	5372









	KW			Standard			Alternative	
								
HONDA continued								
125 CC – TRAX 125				X24ESR-U	4101	0,7	IX24	5372
125 CC – VARADERO 125	10		01 >	U24FER9	4127	0,9	IUH24	5368
125 CC – VARADERO 125			08 >	U24FER9	4127	0,9	IUH24	5368
125 CC – VT 125 SHADOW	11		01 >	U24FER9	4127	0,9	IUH24	5368
125 CC – WAVE 125			02 >	U20EPR9	4228	0,9	IU20	5360
125 CC – XL 125		<I>		X24ESR-U	4101	0,7	IX24	5372
125 CC – XL 125 (V-1)		(Ø 10MM THREAD)	97 >	U24FER9	4127	0,9	IUH24	5368
125 CC – XL 125 R / XL 125 S			82 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – XL 125 V			07 >	U24FER9	4127	0,9	IUH24	5368
125 CC – XLR 125 R			97 >	X24EPR-U9	4096	0,9	IX24B	5376
125 CC – XR 125			> 98	X24ESR-U	4101	0,7	IX24	5372
125 CC – XR 125 L	8.3		02 >	X24EPR-U9	4096	0,9	IX24B	5376
150 CC – CRF 150 F			03 > 06	X24EPR-U9	4096	0,9	IX24B	5376
150 CC – CRF 150 RB EXPERT			07 >	U24FER9	4127	0,9	IUH24	5368
150 CC – CRF150F			06 > 07	U24ESR-N	4126		IU24	5362
150 CC – NES 150 (@ 150)			99 >	U24FER9	4127	0,9	IUH24	5368
150 CC – NSR 150		<J>	97 >	-		0,8	IW24	5316
150 CC – NSR 150 RR / SP		<J>	97 >	-		0,8	IW27	5317
150 CC – SH 150 I	11.6			U24FER9	4127	0,9	IUH24	5368
150 CC – S-WING 150 / ABS			07 >	U24FER9	4127	0,9	IUH24	5368
185 CC – CD 185 T				U22FSR-U	4008	0,7	IUF22	5383
185 CC – CM 185 T			78 > 81	U22FSR-U	4008	0,7	IUF22	5383
185 CC – XL 185 S	7-12		79 >	X24ESR-U	4101	0,7	IX24	5372
200 CC – CB 200			> 78	X24ESR-U	4101	0,7	IX24	5372
200 CC – CD 200 T				U22FSR-U	4008	0,7	IUF22	5383
200 CC – CM 200 T			79 >	U22FSR-U	4008	0,7	IUF22	5383
200 CC – MTX 200 RW			83 > 85	W27ESR-U	4045	0,7	IW27	5317
200 CC – TLR 200 R (REFLEX)			86 >	X24ESR-U	4101	0,7	IX24	5372
200 CC – TR 200 (FAT CAT)			86 >	X24ESR-U	4101	0,7	IX24	5372
200 CC – XL 200 / XL 200 R (MD06)			83 >	X24ESR-U	4101	0,7	IX24	5372
200 CC – XR 200			> 83	X24ESR-U	4101	0,7	IX24	5372
200 CC – XR 200			84 > 86	X27GPR-U	4117	0,7	IXG27	5395
200 CC – XR 200			87 >	X24ESR-U	4101	0,7	IX24	5372
200 CC – XR 200 R			> 83	X24ESR-U	4101	0,7	IX24	5372
200 CC – XR 200 R			84 > 85	X27GPR-U	4117	0,7	IXG27	5395
200 CC – XR 200 R			86 >	X24ESR-U	4101	0,7	IX24	5372
220 CC – TLM 220 R (MD23)	14.7	<J>	88 >	-		0,7	IW24	5316
223 CC – SL 230 (MD33)		<J>	97 >	X24EPR-U9	4096	0,9	IX24B	5376
223 CC – XL 230		4-STROKE		X24EPR-U9	4096	0,9	IX24B	5376
230 CC – CRF 230 F			03 >	X24EPR-U9	4096	0,9	IX24B	5376
250 CC – 250 SPACY		<I>		X20EPR-U9	4125	0,9	IX22B	5375
250 CC – AX-1 (MD21)	21	<J>	89 >	U27FER9	4129	0,9	IUH27	5369
250 CC – CB 250		K2, K3, K4, G5	75 > 88	W24ESR-U	4033	0,7	IW24	5316
250 CC – CB 250 (... / NIGHTHAWK)		N, T	91 >	U20FSR-U	4004	0,7	IUF22	5383
250 CC – CB 250 N			78 >	X27ESR-U	4116	0,7	IX27	5373
250 CC – CB 250 RS		Z,C		X24ESR-U	4101	0,7	IX24	5372
250 CC – CB 250 RS (MC02)		A,C	80 >	X27ESR-U	4116	0,7	IX27	5373
250 CC – CB 250 T1			78 >	X24ESR-U	4101	0,7	IX24	5372
250 CC – CB 250 T2		ENG NO. -> 2010276		X24ESR-U	4101	0,7	IX24	5372
250 CC – CB 250 T2		ENG NO. 2010277 ->		X27ESR-U	4116	0,7	IX27	5373
250 CC – CB 250 TWO FIFTY			94 >	U20FSR-U	4004	0,7	IUF22	5383
250 CC – CBF 250	15		02 >	U24FER9	4127	0,9	IUH24	5368
250 CC – CBR 250 RR FIREBLADE (MC17/19)		<J>		U27FER9	4129	0,9	IUH27	5369
250 CC – CBR 250 RR FIREBLADE (MC22)	29	<J>	96 >	U27FER9	4129	0,9	IUH27	5369
250 CC – CBX 250				X24EPR-U9	4096	0,9	IX24B	5376
250 CC – CD 250 U				U20FSR-U	4004	0,7	IUF22	5383
250 CC – CH 250			85 >	X20EPR-U9	4125	0,9	IX22B	5375
250 CC – CM 250 (T)				X24ESR-U	4101	0,7	IX24	5372
250 CC – CM 250 C			82 >	U22FSR-U	4008	0,7	IUF22	5383
250 CC – CMX 250 C REBEL (MC13)			85 >	U20FSR-U	4004	0,7	IUF22	5383
250 CC – CMX 250 C REBEL (MC32)			97 > 07	U20FSR-U	4004	0,7	IUF22	5383
250 CC – CN 250			86 >	X20EPR-U9	4125	0,9	IX22B	5375
250 CC – CN 250 FUSION			87 >	X20EPR-U9	4125	0,9	IX22B	5375
250 CC – CN 250 HELIX (MF02)			86 > 99	X20EPR-U9	4125	0,9	IX22B	5375
250 CC – CN 250 SPACIO	12.5		96 >	X20EPR-U9	4125	0,9	IX22B	5375
250 CC – CR 250			87 >	W27ESR-V	4049	0,6	IW27	5317
250 CC – CR 250	44		97 >	W24ESR-V	4035	0,6	IW24	5316
250 CC – CR 250 J				-		0,5	IW27	5317









	KW			Standard			Alternative	
								
HONDA continued								
250 CC – CR 250 R		AIR COOLED	> 81	-		0,7	IW27	5317
250 CC – CR 250 R	35.6		05 > 07	W27ESR-V	4049		IW27	5317
250 CC – CR 250 R			82 > 84	W24ESR-V	4035	0,6	IW24	5316
250 CC – CR 250 R		E, F, G, K	84 > 89	W24ESR-V	4035	0,6	IW24	5316
250 CC – CR 250 R		H, J, L-T	87 > 96	W24ESR-V	4035	0,6	IW24	5316
250 CC – CR 250 R	44 >		97 >	W24ESR-V	4035	0,6	IW24	5316
250 CC – CRF 250			09 >	-		0,6	IU01-24	5734
250 CC – GRF 250 R		4-STROKE UNICAM 4V	03 > 04	-		0,9	VUH24D	5626
250 CC – CRF 250 R			04 >	-		0,9	IU01-24	5734
250 CC – CRF 250 X	21.9		05 >	-		0,9	VUH24D	5626
250 CC – CRF 250 X			07 >	-		0,7	IU01-24	5734
250 CC – CRM 250				W24ESR-U	4033	0,7	IW24	5316
250 CC – CRM 250 AR (MD32)	25 - 29		97 >	W24ESR-U	4033	0,7	IW24	5316
250 CC – EX 250				U22FSR-U	4008	0,7	IUF22	5383
250 CC – FES 250 FORESIGHT (MF04)	14		97 >	X22EPR-U9	4086	0,9	IX22B	5375
250 CC – FORZA E / EX	14.3		05 > 07	X22EPR-U9	4086	0,9	IX22B	5375
250 CC – GB 250 (CLUBMAN)			88 >	X24EPR-U9	4096	0,9	IX24B	5376
250 CC – HORNET (MC31)		<J>	96 >	U27FER9	4129	0,8	IUH27	5369
250 CC – MR 250				W24ESR-U	4033	0,8	IW24	5316
250 CC – MR250			> 76	W24ESR-U	4033		IW24	5316
250 CC – MT250			74 > 76	W24ESR-U	4033		IW24	5316
250 CC – MVX 250			83 >	W27ESR-U	4045	0,7	IW27	5317
250 CC – MVX 250			84 >	W24ESR-U	4033	0,7	IW24	5316
250 CC – NS 250				W24ESR-U	4033	0,7	IW24	5316
250 CC – NSR 250			> 89	-		0,7	IWM31	5393
250 CC – NSR 250			89 >	W27EMR-C	4159	0,7	IWM27	5392
250 CC – NSR 250 R / R-SP / R-SE			89 >	W27EMR-C	4159	0,7	IWM27	5392
250 CC – NSS 250 FORZA (-X, -Z)(MF08)	16	PGM-FI	04 >	X22EPR-U9	4086	0,9	IX22B	5375
250 CC – NSS 250 JAZZ	14		97 >	X22EPR-U9	4086	0,9	IX22B	5375
250 CC – NX 250 (MD21)		J, K	88 > 90	U27FER9	4129	0,9	IUH27	5369
250 CC – NX 250 (MD25)		L, M, N, P, R	90 >	U27FER9	4129	0,9	IUH27	5369
250 CC – NX 250 DOMINATOR			95 >	U27FER9	4129	0,9	IUH27	5369
250 CC – SL 250				X24ESR-U	4101	0,7	IX24	5372
250 CC – TL 250				X22ESR-U	4091	0,7	IX22	5371
250 CC – TLR 250				X20EPR-U9	4125	0,9	IX22B	5375
250 CC – TRAX 250				X24ESR-U	4101	0,7	IX24	5372
250 CC – VT 250 F2			84 >	X24EPR-U9	4096	0,9	IX24B	5376
250 CC – VTR 250 (INTERCEPTOR)			> 88	X24EPR-U9	4096	0,9	IX24B	5376
250 CC – VTR 250 (INTERCEPTOR)			89 > 90	U24FER9	4127	0,9	IUH24	5368
250 CC – VTR 250 (MC33)	24	<J>	97 >	U24FER9	4127	0,9	IUH24	5368
250 CC – VTZ 250			88 >	X24EPR-U9	4096	0,9	IX24B	5376
250 CC – XL 250 K3				X24ESR-U	4101	0,7	IX24	5372
250 CC – XL 250 K4				X24ESR-U	4101	0,7	IX24	5372
250 CC – XL 250 R (MD03)		C, D	78 > 83	X24ESR-U	4101	0,7	IX24	5372
250 CC – XL 250 R (MD11)		E, G	84 > 86	X27GPR-U	4117	0,7	IXG27	5395
250 CC – XL 250 R (MD11)			87 >	X27GPR-U	4117	0,7	IXG27	5395
250 CC – XL 250 S		Z, A, B	73 > 84	X24ESR-U	4101	0,7	IX24	5372
250 CC – XLR 250				X24GPR-U	4106	0,7	IXG24	5394
250 CC – XLX 250				X24EPR-U9	4096	0,9	IX24B	5376
250 CC – XR 250		Z, A	> 82	X24ESR-U	4101	0,8	IX24	5372
250 CC – XR 250 (R / RE / RN / RP / RS/ ..) (ME06)		(Ø 12MM THREAD)	84 > 95	X27GPR-U	4117	0,8	IXG27	5395
250 CC – XR 250 (R / RT / RV) (MD30)		(Ø 10MM THREAD)	96 >	U24FER9	4127	0,9	IUH24	5368
250 CC – XR 250 (R)			> 84	X24ESR-U	4101	0,8	IX24	5372
250 CC – XR 250 L			91 > 97	X24GPR-U	4106	0,8	IXG24	5394
350 CC – CB 350 / CB 350 K			69 >	W24ESR-U	4033	0,8	IW24	5316
350 CC – CB 350 F / S (G)			72 > 77	X24ESR-U	4101	0,7	IX24	5372
350 CC – CL 350				W24ESR-U	4033	0,8	IW24	5316
350 CC – SL 350				W24ESR-U	4033	0,8	IW24	5316
350 CC – XL 350 R (ND03)			85 > 87	X24EPR-U9	4096	0,9	IX24B	5376
350 CC – XR 350 / XR 350 R			83 > 86	X24EPR-U9	4096	0,9	IX24B	5376
360 CC – CB 360			> 79	W24ESR-U	4033	0,8	IW24	5316
360 CC – CJ 360				W24ESR-U	4033	0,8	IW24	5316
400 CC – 400 HAWK		<I>		X24ESR-U	4101	0,7	IX24	5372
400 CC – CB 400				X24ESR-U	4101	0,7	IX24	5372
400 CC – CB 400		ENG NO. 4052937 ->		X27ESR-U	4116	0,7	IX27	5373
400 CC – CB 400 A			79 >	X24ESR-U	4101	0,7	IX24	5372
400 CC – CB 400 F	27		74 > 78	X24ESR-U	4101	0,7	IX24	5372
400 CC – CB 400 FOUR (NC36)	34 - 39	<J>	97 >	U24FER9	4127	0,9	IUH24	5368









	KW			Standard			Alternative	
								
HONDA continued								
400 CC – CB 400 N	32		78 >	X27ESR-U	4116	0,7	IX27	5373
400 CC – CB 400 SUPER FOUR (NC31)	39	<J>	90 >	U24FER9	4127	0,9	IUH24	5368
400 CC – CB 400 SUPER FOUR (NC31)	39	<J>	92 > 99	U24FER9	4127	0,9	IUH24	5368
400 CC – CB 400 T / T2		ENG NO. -> 4052936	77 > 81	X24ESR-U	4101	0,7	IX24	5372
400 CC – CB-1 (CB 400 F) (NC27)			89 >	U24FER9	4127	0,9	IUH24	5368
400 CC – CBR 400 (NC23) TRI-ARM		<J>		U24FER9	4127	0,9	IUH24	5368
400 CC – CBR 400 (NC29) GULL-ARM		<J>		U24FER9	4127	0,9	IUH24	5368
400 CC – CBR 400 RR		<J>	90 >	U24FER9	4127	0,9	IUH24	5368
400 CC – CBX 400 F				X27GPR-U	4117	0,7	IXG27	5395
400 CC – CBX 400 F2				X27GPR-U	4117	0,8	IXG27	5395
400 CC – CBX 400 SS		<I>		X27GPR-U	4117	0,8	IXG27	5395
400 CC – CL 400 (NC38)	21	<J>	98 >	X24GPR-U	4106		IXG24	5394
400 CC – CM 400 T	20-32	<EUROPE>	80 > 85	X27ESR-U	4116	0,8	IX27	5373
400 CC – CM 400 T	20-32	<CDN>	80 > 86	X24ESR-U	4101	0,7	IX24	5372
400 CC – CX 400 C				X24ESR-U	4101	0,7	IX24	5372
400 CC – CX 400 F2				X24ESR-U	4101	0,8	IX24	5372
400 CC – GL 400				X24ESR-U	4101	0,7	IX24	5372
400 CC – NS 400				W27ESR-U	4045	0,7	IW27	5317
400 CC – NS 400 R (NC19)			85 >	W27ESR-U	4045	0,7	IW27	5317
400 CC – NV 400 / VT 400			82 >	X24EPR-U9	4096	0,9	IX24B	5376
400 CC – RVF 400 (NC35)	44			Y27FER-C	4162	0,6	IY27	5401
400 CC – SHADOW 400 (NC34)	24	<J>	97 >	X22EPR-U9	4086	0,9	IX22B	5375
400 CC – SW-T 400	27.9		09 >	U24FER9	4127	0,9	IUH24	5368
400 CC – VF 400 F			83 >	X24EPR-U9	4096	0,9	IX24B	5376
400 CC – VFR 400 (NC21)		<J>		U24FER9	4127	0,9	IUH24	5368
400 CC – VFR 400 (NC24)		<J>		U24FER9	4127	0,9	IUH24	5368
400 CC – VFR 400 R / -R III (NC30)			90 >	Y27FER-C	4162	0,7	IY27	5401
400 CC – VRX 400 ROADSTER		<J>	96 >	X22EPR-U9	4086	0,9	IX22B	5375
400 CC – XL 400			84 >	X24ESR-U	4101	0,7	IX24	5372
400 CC – XR 400 R / RT (NC38)	25		96 >	X24GPR-U	4106	0,7	IXG24	5394
450 CC – CB 450 DX		<I>	89 >	X24EPR-U9	4096	0,9	IX24B	5376
450 CC – CB 450 N (PC14)			83 >	X27ESR-U	4116	0,7	IX27	5373
450 CC – CB 450 S (PC17)	20-32	<D >	86 > 90	X24ESR-U	4101	0,7	IX24	5372
450 CC – CB 450 SC			83 > 86	X24EPR-U9	4096	0,9	IX24B	5376
450 CC – CB 450 SC / T			> 82	X24ESR-U	4101	0,7	IX24	5372
450 CC – CMX 450 (C) REBEL / OUTLAW			86 > 90	X24EPR-U9	4096	0,9	IX24B	5376
450 CC – CRF 450 R			07 > 08	VK24PRZ11	5616	1,1	IK24	5311
450 CC – CRF 450 R (PE05)			01 >	-		1,1	VK24PR-Z11	
450 CC – CRF 450 R (PE05)		(U-GROOVE PLUG)	01 >	-		1,0	IK24	5311
450 CC – CRF 450 X	36.2		05 >	-		1,1	VK24PR-Z11	
450 CC – CRF 450 X			07 >	VK24PRZ11	5616	1,1	IK24	5311
480 CC – CR 480 R				W24ESR-V	4035	0,6	IW24	5316
500 CC – CB 500 (K1)			> 75	-		0,6	IX22	5371
500 CC – CB 500 (K3)			> 75	X22ESR-U	4091	0,6	IX22	5371
500 CC – CB 500 (PC26)		(STANDARD)	94 >	U27FER9	4129	0,9	IUH27	5369
500 CC – CB 500 (PC26)		(CITY DRIVING = OPTION)	94 >	U24FER9	4127	0,9	IUH24	5368
500 CC – CB 500 (PC32) / CB500 V / CB 500 S			96 >	U24FER9	4127	0,9	IUH24	5368
500 CC – CB 500 F			71 > 77	X22ESR-U	4091	0,7	IX22	5371
500 CC – CB 500 R				W24ESR-V	4035	0,6	IW24	5316
500 CC – CB 500 T			75 > 76	W24ESR-U	4033	0,7	IW24	5316
500 CC – CBF 500			03 >	U24FER9	4127	0,9	IUH24	5368
500 CC – CBR 500 F				X24EPR-U9	4096	0,9	IX24B	5376
500 CC – CBR 500 FS			95 >	X24EPR-U9	4096	0,9	IX24B	5376
500 CC – CBX 500				X27ESR-U	4116	0,7	IX27	5373
500 CC – CR 500				W24ESR-V	4035	0,6	IW24	5316
500 CC – CR 500 R			> 96	-		0,5	IW24	5316
500 CC – CR 500 R			96 >	W24ESR-V	4035	0,6	IW24	5316
500 CC – CX 500 .. / C / E / GL / S / SPORTS (PC01 / PC06)			77 > 86	X24ESR-U	4101	0,7	IX24	5372
500 CC – CX 500 TURBO (PC03)			82 > 85	-		0,9	IX24B	5376
500 CC – FT 500 (PC07)			82 > 86	X24ESR-U	4101	0,7	IX24	5372
500 CC – GB 500 (PC16)			91 >	X24EPR-U9	4096	0,9	IX24B	5376
500 CC – GL 500 (SILVERWING) (PC02)			79 > 85	X24ESR-U	4101	0,7	IX24	5372
500 CC – NX 500				X24EPR-U9	4096	0,9	IX24B	5376
500 CC – VF 500 F (PC12)			84 >	X24EPR-U9	4096	0,9	IX24B	5376
500 CC – VF 500 F2 (PC12)			> 84	X24EPR-U9	4096	0,9	IX24B	5376
500 CC – VF 500 F2 (PC12)			85 >	X27EPR-U9	4111	0,9	IX27B	5377









	KW			Standard			Alternative	
								
HONDA continued								
500 CC – VT 500 C (PC08) / VT 500 E (PC11) / 500 SHADOW			83 > 87	X24EPR-U9	4096	0,9	IX24B	5376
500 CC – XBR 500 / XBR 500 S (PC15)	20-32		85 > 89	X24EPR-U9	4096	0,9	IX24B	5376
500 CC – XL 500		<I>	78 >	-		0,7	IX24	5372
500 CC – XL 500 R (PD02)			> 85	X24ESR-U	4101	0,7	IX24	5372
500 CC – XL 500 R (PD02)			86 >	X27ESR-U	4116	0,7	IX27	5373
500 CC – XL 500 S (PD01)			78 > 82	X24ESR-U	4101	0,7	IX24	5372
500 CC – XR 500			78 > 80	X24ESR-U	4101	0,7	IX24	5372
500 CC – XR 500 R			81 >	X24EPR-U9	4096	0,9	IX24B	5376
550 CC – CB 550 (F1 / F2)			75 > 79	-		0,6	IX22	5371
550 CC – CB 550 (K3 / 4)			76 > 78	X22ESR-U	4091	0,6	IX22	5371
550 CC – CB 550 / CB 550 F	37		71 > 88	X22ESR-U	4091	0,7	IX22	5371
550 CC – CBX 550 F / FI (PC04)	44	(STANDARD)	82 > 88	X27ESR-U	4116	0,7	IX27	5373
550 CC – CBX 550 F / FI (PC04)	44	(CITY DRIVING = OPTION)	82 > 88	X24ESR-U	4101	0,7	IX24	5372
600 CC – CB 600 F HORNET / CB 600 FS HORNET S (PC34)	66 - 71		98 >	U27FER9	4129	0,9	IUH27	5369
600 CC – CB 600 HORNET	75		07 >	U27FER9	4129	0,9	IUH27	5369
600 CC – CBF 600 / S	57		03 > 07	U27FER9	4129	0,9	IUH27	5369
600 CC – CBF 600 N/S	57		08 >	U24FER9	4127	0,9	IUH24	5368
600 CC – CBR 600 F	25-77.2		97 > 98	U27FER9	4129	0,9	IUH27	5369
600 CC – CBR 600 F (PC19)	25-63		87 > 88	X24EPR-U9	4096	0,9	IX24B	5376
600 CC – CBR 600 F (PC23)	25-68		89 > 91	X27EPR-U9	4111	0,9	IX27B	5377
600 CC – CBR 600 F (PC25)	25-74		91 >	U27FER9	4129	0,9	IUH27	5369
600 CC – CBR 600 F (PC35)	25 - 81		98 > 00	U27FER9	4129	0,9	IUH27	5369
600 CC – CBR 600 F / FS / F4I (INJECTION)	81		01 >	-		0,9	IUH27D	5388
600 CC – CBR 600 F / FS / F4I (INJECTION)	81	(U-GROOVE = OPTION)	01 >	-		0,9	IUH27	5369
600 CC – CBR 600 F2			93 > 94	U27FER9	4129	0,9	IUH27	5369
600 CC – CBR 600 F3 (PC31)	25-77		95 > 98	U27FER9	4129	0,9	IUH27	5369
600 CC – CBR 600 RR	114		02 > 04	-		0,9	VUH27D	5627
600 CC – CBR 600 RR	88.1	PC40	07 > 09	-		0,9	VUH27D	5627
600 CC – CBR 600 RR (PC37)	86		05 > 06	-		0,9	VUH27ES	5642
600 CC – CBX 600 E			83 > 88	X24EPR-U9	4096	0,9	IX24B	5376
600 CC – FJS 600 SILVERWING	36		01 >	U24FER9	4127	0,9	IUH24	5368
600 CC – NTV 600 (REVERE)			88 >	X24EPR-U9	4096	0,9	IX24B	5376
600 CC – NX 600				X24EPR-U9	4096	0,9	IX24B	5376
600 CC – STEED 600 (VT 600 C)	26.4	<J>	96 >	X22EPR-U9	4086	0,9	IX22B	5375
600 CC – VT 600 C SHADOW	25-29	TWIN SPARK	95 >	X24EPR-U9	4096	0,9	IX24B	5376
600 CC – VT 600 C/D SHADOW / STEED (PC21)		TWIN SPARK	88 >	X24EPR-U9	4096	0,9	IX24B	5376
600 CC – XL 600 L / LM			83 >	X24EPR-U9	4096	0,9	IX24B	5376
600 CC – XL 600 LM (PD04)			85 > 87	X24EPR-U9	4096	0,9	IX24B	5376
600 CC – XL 600 R (PD03)			83 > 87	X24EPR-U9	4096	0,9	IX24B	5376
600 CC – XL 600 RM (PD04)			86 >	X24EPR-U9	4096	0,9	IX24B	5376
600 CC – XL 600 V / VN TRANSALP	25-40	TWIN SPARK	87 > 03	X24EPR-U9	4096	0,9	IX24B	5376
600 CC – XR 600 R / L			87 >	X24EPR-U9	4096	0,9	IX24B	5376
600 CC – XR 600 RR / S / T / V			82 >	X24EPR-U9	4096	0,9	IX24B	5376
600 CC – XV 600				X24EPR-U9	4096	0,9	IX24B	5376
650 CC – CB 650 (RC03)			80 >	X24ESR-U	4101	0,7	IX24	5372
650 CC – CB 650 C (RC05)			> 83	X24ESR-U	4101	0,7	IX24	5372
650 CC – CB 650 NIGHTHAWK			> 82	X24ESR-U	4101	0,7	IX24	5372
650 CC – CB 650 NIGHTHAWK			83 >	X24EPR-U9	4096	0,9	IX24B	5376
650 CC – CB 650 SC (RC08)			80 >	X24EPR-U9	4096	0,9	IX24B	5376
650 CC – CB 650 Z			79 >	X24ESR-U	4101	0,7	IX24	5372
650 CC – CBX 650 E (RC13)			83 >	X27EPR-U9	4111	0,9	IX27B	5377
650 CC – CBX 650 NIGHTHAWK		<I>		X27EPR-U9	4111	0,9	IX27B	5377
650 CC – CX 650 C / E / GL / CUSTOM (RC11/RC13)			83 > 87	X24EPR-U9	4096	0,9	IX24B	5376
650 CC – CX 650 TURBO (TC) (RC16)			82 > 85	-		0,9	IX24B	5376
650 CC – FMX 650	28.0		05 >	X24EPR-U9	4096	0,9	IX24B	5376
650 CC – FX 650 VIGOR	25-29		98 >	X24EPR-U9	4096	0,9	IX24B	5376
650 CC – FX 650 VIGOR (RD09)	25-29		99 >	X24EPR-U9	4096	0,9	IX24B	5376
650 CC – GL 650 (RC10)			83 >	X24EPR-U9	4096	0,9	IX24B	5376
650 CC – NT 650 / GT 650 HAWK / BROS 1 / BROS 650			85 > 98	X24EPR-U9	4096	0,9	IX24B	5376
650 CC – NTV 650 (REVERE) (RC33)	20-45	TWIN SPARK	88 > 98	X24EPR-U9	4096	0,9	IX24B	5376
650 CC – NTV 650 DEAUVILLE (RC47)	40	TWIN SPARK	98 >	X24EPR-U9	4096	0,9	IX24B	5376
650 CC – NX 650 DOMINATOR	25-32		96 >	X24EPR-U9	4096	0,9	IX24B	5376
650 CC – NX 650 DOMINATOR (RD02)	25-32		88 >	X24EPR-U9	4096	0,9	IX24B	5376
650 CC – SLR 650 (VIGOR) (RD09)	25-29		96 >	X24EPR-U9	4096	0,9	IX24B	5376
650 CC – XL 650 L			94 >	X24EPR-U9	4096	0,9	IX24B	5376









	KW			Standard			Alternative	
								
HONDA continued								
650 CC – XL 650 TRANSALP	25-40	TWIN SPARK	03 >	X24EPR-U9	4096	0,9	IX24B	5376
650 CC – XR 650 L / RL	32		93 > 00	X24EPR-U9	4096	0,9	IX24B	5376
650 CC – XR 650 R	32	(STANDARD)	00 >	K24PR-U11	3308	1,1	IK24	5311
650 CC – XR 650 R	32	(CITY DRIVING = OPTION)	00 >	K22PR-U11	3192	1,1	IK22	5310
650 CC – XRV 650 (AFRICA TWIN) (RC03)		TWIN SPARK	88 >	X24EPR-U9	4096	0,9	IX24B	5376
680 CC – DN-01	45		08 > 10	-		0,9	IU24/IU24A	
680 CC – NT 700 V DEAUVILLE	43.6		05 > 06	X24EPR-U9	4096	0,9	IX24B	5376
680 CC – NT 700 V DEAUVILLE	43.6		06 >	U24ESR-N	4126	0,9	IU24	5362
680 CC – XL 700 VA TRANS ALP		V2	08 > 11	U24EPR9	4233	0,9	IU24/IU24A	
700 CC – VF 700 / VF 700 C (V40 MAGNA)		TWIN SPARK	82 > 88	X24EPR-U9	4096	0,9	IX24B	5376
700 CC – VFR 700 F				X27EPR-U9	4111	0,9	IX27B	5377
700 CC – VT 700 C (SHADOW)			84 > 87	X22EPR-U9	4086	0,9	IX22B	5375
750 CC – CB 750 (RC04)	56		82 > 84	X24ESR-U	4101	0,7	IX24	5372
750 CC – CB 750 (SEVEN FIFTY) (RC42)	25-54	N,P,R,S,T	92 >	X24EPR-U9	4096	0,9	IX24B	5376
750 CC – CB 750 C (RC06)	56		80 >	X27ESR-U	4116	0,7	IX27	5373
750 CC – CB 750 F1-F2			76 > 79	X24ESR-U	4101	0,7	IX24	5372
750 CC – CB 750 F2 (SEVEN FIFTY)	54	N,P,R,S,T	92 > 97	X24EPR-U9	4096	0,9	IX24B	5376
750 CC – CB 750 FA		<I>		X27ESR-U	4116	0,7	IX27	5373
750 CC – CB 750 FC / CC / F2C				X24ESR-U	4101	0,7	IX24	5372
750 CC – CB 750 FOUR		<I>		X24ESR-U	4101	0,7	IX24	5372
750 CC – CB 750 K			82 > 84	X27ESR-U	4116	0,7	IX27	5373
750 CC – CB 750 K / K6		A,B	74 > 77	X27ESR-U	4116	0,7	IX27	5373
750 CC – CB 750 K 7	49		77 > 79	X24ESR-U	4101	0,7	IX24	5372
750 CC – CB 750 K(A/Z) (RC01)	57		79 > 82	X24ESR-U	4101	0,7	IX24	5372
750 CC – CB 750 K1 / K-2 / K-3 / K-4			> 78	X24ESR-U	4101	0,7	IX24	5372
750 CC – CB 750 KZ		ENG NO. 2033267 ->		X27ESR-U	4116	0,7	IX27	5373
750 CC – CB 750 KZ	66	ENG NO. -> 2033266	78 >	X24ESR-U	4101	0,7	IX24	5372
750 CC – CBX 750 F (RC17)			82 > 86	X24EPR-U9	4096	0,9	IX24B	5376
750 CC – CBX 750 F2			84 > 89	X27EPR-U9	4111	0,9	IX27B	5377
750 CC – NR	74-96	OVAL PISTON	91 > 93	Y27FER-C	4162	0,7	IY27	5401
750 CC – NR 750 (RC40)			93 >	U27FER9	4129	0,9	IUH27	5369
750 CC – NV 750			> 87	X24EPR-U9	4096	0,9	IX24B	5376
750 CC – NV 750			87 >	X24EPR-U9	4096	0,9	IX24B	5376
750 CC – RC30 / VFR 750 R			87 > 93	U27FER9	4129	0,9	IUH27	5369
750 CC – RC45 / RVF 750 (R)			94 > 99	-		0,9	IUH27	5369
750 CC – SHADOW 750 BLACK SPIRIT / RS			10 >	X22EPR-U9	4086	0,9	IX22B	5375
750 CC – VF 750 C (MAGNA)	25-65	P-T (Ø 10MM THREAD)	93 >	U24FER9	4127	0,9	IUH24	5368
750 CC – VF 750 C (RC09)			82 > 85	X24EPR-U9	4096	0,9	IX24B	5376
750 CC – VF 750 C (RC09)			86 >	X27EPR-U9	4111	0,9	IX27B	5377
750 CC – VF 750 CJ (V-45 MAGNA) (DISC WHEEL)			82 > 92	X24EPR-U9	4096	0,9	IX24B	5376
750 CC – VF 750 F (RC15)		D-F	83 > 84	X24EPR-U9	4096	0,9	IX24B	5376
750 CC – VF 750 S (RC07)			82 > 85	X24EPR-U9	4096	0,9	IX24B	5376
750 CC – VFR 750 F (RC24 II)		J, K	88 > 89	X27EPR-U9	4111	0,9	IX27B	5377
750 CC – VFR 750 F (RC24)		G, H	86 > 87	X24EPR-U9	4096	0,9	IX24B	5376
750 CC – VFR 750 F (RC36 II)	72	R, S, T, V	94 > 98	U27FER9	4129	0,9	IUH27	5369
750 CC – VFR 750 F (RC36)		L,M,N,P	90 > 94	U24FER9	4127	0,9	IUH24	5368
750 CC – VFR 750 FJ		<I>		X27EPR-U9	4111	0,9	IX27B	5377
750 CC – VFR 750 R / RC30			87 > 93	U27FER9	4129	0,9	IUH27	5369
750 CC – VT 750 (C2) (SHADOW ACE / BLACK WIDOW)	33		97 >	X24EPR-U9	4096	0,9	IX24B	5376
750 CC – VT 750 C (RC29)			84 >	X24EPR-U9	4096	0,9	IX24B	5376
750 CC – VT 750 C SHADOW	33.5		08 >	X22EPR-U9	4086	0,9	IX22B	5375
750 CC – VT 750 DC (BLACK WIDOW)	33		00 >	X22EPR-U9	4086	0,9	IX22B	5375
750 CC – VT 750 DC SHADOW SPIRIT	33.5		07 > 08	X22EPR-U9	4086	0,9	IX22B	5375
750 CC – XLV 750 R (RD01)			83 >	X24EPR-U9	4096	0,9	IX24B	5376
750 CC – XRV 750 AFRICA TWIN (RD04)			90 > 92	X24EPR-U9	4096	0,9	IX24B	5376
750 CC – XRV 750 AFRICA TWIN (RD07)	37-44		93 >	X24EPR-U9	4096	0,9	IX24B	5376
781 CC – VFR 800 (RC46)	72 - 81		97 > 01	U27FER9	4129	0,9	IUH27	5369
782 CC – VFR 800 (RC46 II / E)	78	VTEC	02 >	-		0,9	VNH27Z	5631
800 CC – PC 800 (PACIFIC COAST) (RC34)			90 >	X22EPR-U9	4086	0,9	IX22B	5375
800 CC – VFR 800	80		06 >	-		0,9	VNH27Z	5631
800 CC – VT 800 (SHADOW)				X22EPR-U9	4086	0,9	IX22B	5375
900 CC – CB 900 F / F2 (SC01)			78 > 84	X27ESR-U	4116	0,7	IX27	5373
900 CC – CB 900 F BOL D'OR (SC09)			79 > 84	X27ESR-U	4116	0,7	IX27	5373
900 CC – CBR 900 RR (SC28)			91 > 96	U27FER9	4129	0,9	IUH27	5369
919 CC – CB900 F / CBR900 HORNET			00 >	U24FER9	4127	0,9	IUH24	5368
919 CC – CBR 900 RR FIREBLADE (SC33)	72-94		96 > 99	U27FER9	4129	0,9	IUH27	5369









	KW			Standard			Alternative	
								
HONDA continued								
929 CC – CBR 900 RR FIREBLADE (SC44) (INJECTION)	112		00 > 01	-		0,9	IUH27D	5388
929 CC – CBR 900 RR FIREBLADE (SC44) (INJECTION)	112	(U-GROOVE = OPTION)	00 > 01	-		0,9	IUH27	5369
954 CC – CBR 900 RR (2) FIREBLADE (SC50) (INJECTION)	114	48.000 KM	02 >	-		0,9	VUH27D	5627
1000 CC – CB 1000 C / F			83 >	X24ESR-U	4101	0,7	IX24	5372
1000 CC – CB 1000 F (SUPER FOUR) (SC30)	68-99		93 >	X27EPR-U9	4111	0,9	IX27B	5377
1000 CC – CB 1000 R			08 >	-		0,9	VUH27ES	5642
1000 CC – CBF 1000	75		06 >	U24FER9	4127	0,9	IUH24	5368
1000 CC – CBF 1000 LIMITED EDITION			09 > 09	U24FER9	4127	0,9	IUH24	5368
1000 CC – CBR 1000 F	72-99		92 > 95	X27EPR-U9	4111	0,9	IX27B	5377
1000 CC – CBR 1000 F		(STANDARD)	96 >	X27EPR-U9	4111	0,9	IX27B	5377
1000 CC – CBR 1000 F		<F, I> (CITY DRIVING = OPTION)	96 >	X24EPR-U9	4096	0,9	IX24B	5376
1000 CC – CBR 1000 F (SC21)			87 > 88	X27EPR-U9	4111	0,9	IX27B	5377
1000 CC – CBR 1000 F (SC24)			89 > 92	X27EPR-U9	4111	0,9	IX27B	5377
1000 CC – CBR 1000 FIREBLADE		SC59	07 >	-		0,9	VUH27ES	5642
1000 CC – CBR 1000 K		<I>		X27EPR-U9	4111	0,9	IX27B	5377
1000 CC – CBR 1000 RR (SC57)	126		04 >	-		0,9	VUH27ES	5642
1000 CC – GL 1000 GOLDWING (K0->K3, KZ, GL1)			> 82	X24ESR-U	4101	0,7	IX24	5372
1000 CC – VF 1000 BOL D'DOR				X27EPR-U9	4111	0,9	IX27B	5377
1000 CC – VF 1000 F		E	84 >	X24EPR-U9	4096	0,9	IX24B	5376
1000 CC – VF 1000 F		F, 2F, G, 2G	85 > 86	X27EPR-U9	4111	0,9	IX27B	5377
1000 CC – VF 1000 F (SC15)			87 >	X24EPR-U9	4096	0,9	IX24B	5376
1000 CC – VF 1000 F2 (SC15)			85 > 86	X27EPR-U9	4111	0,9	IX27B	5377
1000 CC – VF 1000 R (SC16)			84 > 86	X24EPR-U9	4096	0,9	IX24B	5376
1000 CC – VTR 1000 F FIRESTORM (SC36)	72-80	(STANDARD)	97 >	-		0,9	IX27B	5377
1000 CC – VTR 1000 F FIRESTORM (SC36)	72-80	(CITY DRIVING = OPTION)	97 >	-		0,9	IX24B	5376
1000 CC – VTR 1000 SP-1 (RC51)	110	HRC V-2. 24.000KM	99 > 01	-		1,1	IK27C11	5336
1000 CC – VTR 1000 SP-2 (RC51)	110	HRC V-2. 48.000KM	02 >	-		1,1	VK27PR-Z11	
1000 CC – VTR 1000 SPW (HRC SBK RACE KIT PARTS)		HRC V-2 RACE	99 > 02	-		0,6	IK02-31	5706
1000 CC – XL 1000 V VARADERO	70		03 >	-		0,9	IX24B	5376
1000 CC – XL 1000 V VARADERO	70		98 > 02	-		0,9	IX24B	5376
1050 CC – CBX 1000 (CB1)	72-77		78 > 85	X24ESR-U	4101	0,9	IX24	5372
1100 CC – CB 1100 F (SC11)			81 > 85	X27ESR-U	4116	0,7	IX27	5373
1100 CC – CB 1100 R (SC08)			81 > 83	X27ESR-U	4116	0,7	IX27	5373
1100 CC – CB 1100 SF (X-ELEVEN / X-11) (SC42)	103		99 >	-		0,9	IUH24	5368
1100 CC – CBR 1100 XX 'SUPER BLACKBIRD' (SC35)	72-120		00 > 02	-		0,9	IUH27	5369
1100 CC – CBR 1100 XX 'SUPER BLACKBIRD' (SC35)	72-120		03 >	-		0,9	VUH27D	5627
1100 CC – CBR 1100 XX 'SUPER BLACKBIRD' (SC35)	72-110		96 > 99	-		0,9	IUH27	5369
1100 CC – GL 1100 / GL 1100 DX (SC02)			> 81	X24ESR-U	4101	0,8	IX24	5372
1100 CC – GL 1100 / GL 1100 DX (SC02)			82 >	X24EPR-U9	4096	0,9	IX24B	5376
1100 CC – GL 1100 F (SC11)				X24ESR-U	4101	0,7	IX24	5372
1100 CC – GL 1100 R (SC08)				X27ESR-U	4116	0,7	IX27	5373
1100 CC – ST 1100 / ST 1100 AN (PAN EUROPEAN) (SC26)			90 > 02	U24FER9	4127	0,9	IUH24	5368
1100 CC – ST 1100 CBS-ABS-TCS (PAN EUROPEAN)	72-74		96 > 02	U24FER9	4127	0,9	IUH24	5368
1100 CC – VF 1100 C (SC12) (MAGNA / SABRE)			83 >	X24EPR-U9	4096	0,9	IX24B	5376
1100 CC – VF 1100 C (SC23) (MAGNA / SABRE)			88 > 93	X22EPR-U9	4086	0,9	IX22B	5375
1100 CC – VF 1100 C (SC23) (MAGNA / SABRE)			94 >	X24EPR-U9	4096	0,9	IX24B	5376
1100 CC – VT 1100 C2 'SHADOW' (SC32)	25-37		95 >	X22EPR-U9	4086	0,9	IX22B	5375
1100 CC – VT 1100 D2	25-37		99 >	X20EPR-U9	4125	0,9	IX22B	5375
1100 CC – X-ELEVEN (X-11)	103		99 >	-		0,9	IUH24	5368
1200 CC – GL 1200 (GOLD WING / ASPENCADE) (SC14)			84 > 89	X24EPR-U9	4096	0,9	IX24B	5376
1200 CC – VFR 1200 F			10 >	VUH27ES	5642	-		
1300 CC – CB 1300 / S (BIG ONE / SUPER FOUR) (SC40 / SC54)	85		98 >	X24EPR-U9	4096	0,9	IX24B	5376
1300 CC – ST 1300 PAN EUROPEAN			01 >	U22FER9	4212	0,9	IUH22D	
1300 CC – VT 1300 CX			10 >	XU20EPR-U	3178		IXU22	5308
1300 CC – VTX 1300 C / S / R		TWIN SPARK	02 > 07	XU20EPR-U	3178	0,9	IXU22	5308
1300 CC – X 4 (SC38)	74-96		97 >	X27EPR-U9	4111	0,9	IX27B	5377









	KW			Standard			Alternative	
								
HONDA continued								
1500 CC – F 6 C 'VALKYRIE' (SC34)	72-75		96 > 01	X22EPR-U9	4086	0,9	IX22B	5375
1500 CC – F 6 C 'VALKYRIE' (SC34)	72-75	<USA>	96 > 01	X20EPR-U9	4125	0,9	IX22B	5375
1500 CC – GL 1500			88 > 90	X22EPR-U9	4086	0,9	IX22B	5375
1500 CC – GL 1500 A / SE GOLD WING (SC22)			94 >	X20EPR-U9	4125	0,9	IX22B	5375
1500 CC – GL 1500 A / SE GOLD WING (SC22)			95 > 96	X22EPR-U9	4086	0,9	IX22B	5375
1500 CC – GL 1500 CD VALKYRIE CRUISER			01 > 03	X22EPR-U9	4086	0,9	IX22B	5375
1500 CC – GL 1500 SE GOLD WING (SC22)			91 > 93	X22EPR-U9	4086	0,9	IX22B	5375
1500 CC – GL 1500 SE GOLD WING (SC22)			97 >	X22EPR-U9	4086	0,9	IX22B	5375
1500 CC – GL 1500 SE GOLD WING (SC22)		<UK>	97 >	X20EPR-U9	4125	0,9	IX22B	5375
1500 CC – GL 1500C SC34			97 >	X22EPR-U9	4086	0,9	IX22B	5375
1795 CC – VTX 1800 (SC46)	76	(STANDARD)	01 > 07	-		1,1	VK16	5603
1795 CC – VTX 1800 (SC46)	76	(FAST DRIVING = OPTION)	01 > 07	-		1,1	VK20	5604
1800 CC – NRX1800 VALKYRIE RUNE			04 > 05	K20PR-U11	3121		IK20	5304
1800 CC – VTX 1800 /N /F /T	71		08 >	-		1,1	VK20PRZ	15615
1832 CC – GL 1800 GOLD WING	87	PGM-FI	01 > 08	K20PR-U11	3121	1,1	IK20	5304
HRD								
125 CC – 125 (ENDURO)			99 >	U22ESR-N	4174	0,7	IU22	5361
HUNWICK HALLAM								
998 CC – XR 1 R	103		98 >	U27ESR-N	4131	0,8	IU27	5363
998 CC – XR 1 R	127		98 >	U27ESR-N	4131	0,8	IU27	5363
1127 CC – RAGE			99 >	U24ESR-N	4126	0,7	IU24	5362
1385 CC – BOSS POWER CRUISER			98 >	U22ESR-N	4174	0,7	IU22	5361
HUSABERG								
350 CC – FE 350			91 > 99	U24ESR-N	4126	0,7	IU24	5362
350 CC – MC 350			> 99	U24ESR-N	4126	0,7	IU24	5362
400 CC – FE 400 / FC 400			96 > 99	U24ESR-N	4126	0,7	IU24	5362
400 CC – FE 400 E			00 >	XU24EPR-U	3180	0,7	IXU24	5309
400 CC – FS 400 E / FS 400 C			00 >	XU24EPR-U	3180	0,7	IXU24	5309
450 CC – FC 450			03 >	XU24EPR-U	3180	0,7	IXU24	5309
450 CC – FE 450 E			03 > 07	XU24EPR-U	3180	0,7	IXU24	5309
450 CC – FS 450 C			03 >	XU24EPR-U	3180	0,7	IXU24	5309
450 CC – FS 450 E			03 >	XU24EPR-U	3180	0,7	IXU24	5309
450 CC – FS 450 S			03 >	XU24EPR-U	3180	0,7	IXU24	5309
470 CC – FC 470/6 / FX 470 E			00 >	XU24EPR-U	3180	0,7	IXU24	5309
499 CC – FC 499MX			95 >	U24ESR-N	4126	0,7	IU24	5362
500 CC – FC 501	41		95 >	U24ESR-N	4126	0,7	IU24	5362
500 CC – FE 500			91 > 94	U24ESR-N	4126	0,7	IU24	5362
500 CC – FE 501			93 > 99	U24ESR-N	4126	0,7	IU24	5362
500 CC – FE 501 E			00 >	XU24EPR-U	3180	0,7	IXU24	5309
500 CC – MC 501			> 00	U24ESR-N	4126	0,7	IU24	5362
501 CC – FE 501			08 >	XU24EPR-U	3180	0,9	IXU24	5309
550 CC – FC 550/4 / FC 550/6			00 >	XU24EPR-U	3180	0,7	IXU24	5309
550 CC – FE 550 E / FS 550 E			03 > 07	XU24EPR-U	3180	0,7	IXU24	5309
600 CC – FC 600			92 > 99	U24ESR-N	4126	0,7	IU24	5362
600 CC – FE 600			92 > 99	U24ESR-N	4126	0,7	IU24	5362
600 CC – FX 600			97 > 99	U24ESR-N	4126	0,7	IU24	5362
600 CC – MC 600			> 99	U24ESR-N	4126	0,7	IU24	5362
650 CC – FE 650			08 >	XU24EPR-U	3180	0,9	IXU24	5309
650 CC – FE 650 E / FX 650 E			00 > 07	XU24EPR-U	3180	0,7	IXU24	5309
650 CC – FS 650 E / FS 650 C			00 > 07	XU24EPR-U	3180	0,7	IXU24	5309
HUSQVARNA								
50 CC – CR 50 MINIMOTARD			10 >	W27ESR	6069	0,6	IW27	5317
50 CC – HUSKY BOY 50			99 >	W24FS-U	4038	0,6	IWF24	5380
50 CC – HUSKY BOY JUNIOR / SENIOR / RACING 50			99 >	W20FSR-U	6053	0,6	IWF22	5379
50 CC – SM 50 MINIMOTARD			10 >	W27ESR	6069	0,6	IW27	5317
50 CC – WRS 50			98 >	W27ESR-U	4045	0,5	IW27	5317
65 CC – CR 65 MINICROSS			11 >	W24EMR-C	4198	0,6	IWM24	5391
65 CC – CR 65 MINIMOTARD			11 >	W24EMR-C	4198	0,6	IWM24	5391
125 CC – 125 MOTOCROSS				-		0,5	IW27	5317
125 CC – CR 125			00 >	W27ESR-V	4049	0,6	IW27	5317
125 CC – CR 125			90 > 91	-		0,6	IW31	5319
125 CC – CR 125			92 > 00	-		0,5	IW31	5319
125 CC – SM 125 S			99 >	W27ESR-V	4049	0,6	IW27	5317
125 CC – SMS 4			11 >	U24ESR-N	4126	0,6	IU24	5362
125 CC – TE 125 4T			11 >	U24ESR-N	4126	0,6	IU24	5362
125 CC – WR 125			00 >	W27ESR-V	4049	0,6	IW27	5317
125 CC – WR 125			90 > 92	-		0,5	IW29	5318

	KW			Standard			Alternative	
								
HUSQVARNA <i>continued</i>								
125 CC – WR 125			93 > 94	-		0,5	IW27	5317
125 CC – WR 125			95 > 96	-		0,5	IW29	5318
125 CC – WR 125			97 > 00	-		0,5	IW27	5317
125 CC – WRE 125			96 >	W27ESR-V	4049	0,5	IW27	5317
250 CC – 250 / 250 RT MOTORCROSS				-		0,5	IW24	5316
250 CC – 250 SPORTSMAN ENDURO				-		0,5	IW27	5317
250 CC – CR 250			90 > 93	-		0,5	IW27	5317
250 CC – CR 250			93 > 94	-		0,6	IW31	5319
250 CC – CR 250			95 > 99	-		0,5	IW27	5317
250 CC – CR 250		(STANDARD)	99 >	W27ESR-V	4049	0,7	IW27	5317
250 CC – CR 250		(LOW LOAD = OPTION)	99 >	W24ESR-V	4035	0,7	IW24	5316
250 CC – TC 250			01 > 09	U24ESR-NB	4223	0,7	IU24	5362
250 CC – TC 250			09 >	U27ESR-NB	4224	0,7	IU27	5363
250 CC – TE 250 I.E. / MEO REPLICA			08 >	U27ESR-NB	4224	0,7	IU27	5363
250 CC – TE 250 R			01 > 08	U24ESR-NB	4223	0,7	IU24	5362
250 CC – WR 250			00 >	W24ESR-V	4035	0,7	IW24	5316
250 CC – WR 250			92 > 00	-		0,5	IW27	5317
250 CC – WR 250 / WR 260			90 > 00	-		0,5	IW27	5317
260 CC – 260 WXE			> 91	W27ESR-U	4045		IW27	5317
300 CC – WR 300			09 >	W24ESR-V	4035	0,6	IW24	5316
310 CC – TE 310			09 >	U27ESR-NB	4224	0,7	IU27	5363
350 CC – TE 350			90 >	U22ESR-N	4174	0,7	IU22	5361
360 CC – 360 MOTORCROSS				-		0,5	IW24	5316
360 CC – 360 SPORTSMAN ENDURO				-		0,5	IW24	5316
360 CC – CR 360			91 >	-		0,5	IW24	5316
360 CC – WR 360			91 > 99	-		0,5	IW24	5316
360 CC – WR 360			99 >	-		0,7	IW24	5316
390 CC – MX 390				W27ESR-U	4045	0,5	IW27	5317
400 CC – MX 400				W27ESR-U	4045	0,5	IW27	5317
400 CC – SMR 400 R			01 >	U24ESR-NB	4223	0,7	IU24	5362
400 CC – TE 400			00 > 01	U22ESR-N	4174	0,7	IU22	5361
400 CC – TE 400 / TE 400 R			01 >	U24ESR-NB	4223	0,7	IU24	5362
400 CC – WR 400 / 400 MOTORCROSS				-		0,5	IW24	5316
410 CC – TE 410			96 >	U22ESR-N	4174	0,7	IU22	5361
410 CC – TE 410 / 410 TE			95 >	U22ESR-N	4174	0,7	IU22	5361
410 CC – TE 410 E			00 >	U24ESR-N	4126	0,7	IU24	5362
430 CC – CR 430				W27ESR-U	4045	0,5	IW27	5317
430 CC – WR 430				W24ESR-U	4033	0,5	IW24	5316
450 CC – 450 MOTOCROSS				-		0,5	IW24	5316
450 CC – SM 450 R			03 >	U24ESR-NB	4223	0,7	IU24	5362
450 CC – SM 450 RR			08 >	U24ESR-NB	4223	0,6	IU24	5362
450 CC – SMR 449			11 >	-		0,7	IU27	5363
450 CC – TC 449			11 >	-		0,7	IU27	5363
450 CC – TC 450			01 >	U24ESR-NB	4223	0,7	IU24	5362
450 CC – TE 449			11 >	-		0,7	IU27	5363
450 CC – TE 450			03 >	U24ESR-NB	4223	0,7	IU24	5362
460 CC – 460 MX / -CR				-		0,5	IW24	5316
480 CC – SMR 511			11 >	-		0,7	IU27	5363
480 CC – TE 511			11 >	-		0,7	IU27	5363
500 CC – 500 TC				X24ESR-U	4101	0,7	IX24	5372
510 CC – HUSKY 510			89 > 90	U22ESR-N	4174	0,7	IU22	5361
510 CC – TC 510 / TE 510		AIR COOLED	> 86	X24EPR-U9	4096	0,9	IX24B	5376
510 CC – TC 510 / TE 510		LIQUID COOLED	87 > 90	U22ESR-N	4174	0,7	IU22	5361
510 CC – TC 510 / TE 510 (CENTENNIAL)			03 >	U24ESR-NB	4223	0,7	IU24	5362
510 CC – TX 510 / -TE			> 92	X24ESR-U	4101	0,7	IX24	5372
530 CC – SM 530 RR			08 >	U24ESR-NB	4223	0,6	IU24	5362
570 CC – SM 570 R			99 >	U22ESR-N	4174	0,7	IU22	5361
570 CC – SMR 570		(+ = ADD TERMINAL)	00 >	U22ESR-N+	4174	0,7	IU22	5361
570 CC – SMR 570 NOX		RACEKIT	00 >	-		0,6	RU01-31	5739
570 CC – TC 570			00 >	U22ESR-N	4174	0,7	IU22	5361
570 CC – TE 570			00 >	U22ESR-N	4174	0,7	IU22	5361
576 CC – SM 610 IE			09 >	N24EXRB	4225	0,7	IU24	5362
576 CC – TE 610 IE			09 >	N24EXRB	4225	0,7	IU24	5362
600 CC – TE 630			10 >	U24ESR-NB	4223	0,6	IU24	5362
610 CC – SM 610 R			00 >	U24ESR-N	4126	0,7	IU24	5362
610 CC – SM 610 S			99 >	U22ESR-N	4174	0,7	IU22	5361
610 CC – TE 610 / TC 610		(STANDARD)	91 >	U22ESR-N	4174	0,7	IU22	5361
610 CC – TE 610 / TC 610		(FAST DRIVING = OPTION)	91 >	U24ESR-N	4126	0,7	IU24	5362







	KW			Standard			Alternative	
								
HUSQVARNA <i>continued</i>								
610 CC – TE 610 E			98 >	U22ESR-N	4174	0,7	IU22	5361
630 CC – SM 630			09 >	U24ESR-NB	4223	0,6	IU24	5362
630 CC – SMR 630			04 >	-			RU01-31	5739
630 CC – SMR 630			10 >	U24ESR-NB	4223	0,6	IU24	5362
HYOSUNG								
50 CC – AVANTI 50 / SD 50			00 >	W20FPR-U	3070	0,7	IWF20	5378
50 CC – CAB (SB50) / CHALLENGER	3		95 >	W20FPR-U	3070	0,7	IWF20	5378
50 CC – RUSH / RUSH RX			96 >	W20FPR-U	3070	0,7	IWF20	5378
50 CC – SF 50 / FAST SF 50			00 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – SF 50 / RACING	2.6		99 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – SUPER.CAB 50	2.6			W24FR-L	4154	0,6	IWF24	5380
100 CC – SUPER CAB 100	6.6		97 >	W22FPR-U	4022	0,6	IWF22	5379
125 CC – AGUILA 125 V-2	11		02 >	U24ESR-N	4126	0,7	IU24	5362
125 CC – AQUILA.125	10.7		00 >	U24FER9	4127	0,8	IUH24	5368
125 CC – CRUISE I 125	11		96 > 97	X24ESR-U	4101	0,7	IX24	5372
125 CC – CRUISE II 125	11		99 >	U24FER9	4127	0,9	IUH24	5368
125 CC – GF 125			98 >	U24FER9	4127	0,9	IUH24	5368
125 CC – GS 125	11		96 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – GT 125 R TTC			07 >	U24ESR-N	4126	0,6	IU24	5362
125 CC – GT.125 / R	10.6		05 >	U24FER9	4127	0,8	IUH24	5368
125 CC – GV 125 M CRUISER			07 >	U24ESR-N	4126	0,6	IU24	5362
125 CC – HYPER 125	8		99 >	X24ESR-U	4101	0,6	IX24	5372
125 CC – KARION 125	8.7		02 > 09	U24FER9	4127	0,8	IUH24	5368
125 CC – KARION 125			10 >	U24FER9	4127	0,9	IUH24	5368
125 CC – RX 125 SM			10 >	U24FER9	4127	0,9	IUH24	5368
125 CC – XRX 125	8.8		99 >	U24FER9	4127	0,9	IUH24	5368
250 CC – AQUILA.250	20.6		00 >	U24ESR-N	4126	0,7	IU24	5362
250 CC – GT.250	20.5		05 >	U24ESR-N	4126	0,7	IU24	5362
250 CC – GV.250	21			U24ESR-N	4126	0,7	IU24	5362
650 CC – GT 650 / 650I / R / S / NAKED	57		05 >	U24ESR-N	4126	0,7	IU24	5362
650 CC – GV 650 / 650I	52.4		05 >	U24ESR-N	4126	0,7	IU24	5362
INDIAN								
ALL MODELS		V-Twin	36 > 53	W22FS-U	4025		IWF22	5379
ALL V-TWIN MODELS			36 > 53	W22FS-U	4025	0,6	IWF22	5379
50 CC – ALL 50 CC MODELS				W22FS-U	4025		IWF22	5379
70 CC – ALL 70/75/80 CC MODELS				W24FS-U	4038		IWF24	5380
100 CC – ME 100 / ML 100 / MS 100 / MSL 100			73 > 86	W24S-U	4040	0,5	-	
125 CC – MCL-125 / ME 125 / MI 125 / MS 125			73 > 86	W24ESR-U	4033	0,5	IW24	5316
175 CC – ME 175 / ML 175 / MS 175 / MT 175			74 > 86	W24ESR-U	4033	0,5	IW24	5316
750 CC – ENFIELD				W22ESR-U	3098	0,6	-	
1450 CC – CHIEF			99 > 03	W16EPR-U11	3201	1,1	IW16	5305
1450 CC – SCOUT			01 > 03	W16EPR-U11	3201	1,1	IW16	5305
1450 CC – SPIRIT			01 > 03	W16EPR-U11	3201	1,1	IW16	5305
1650 CC – CHIEF			02 >	W16EPR-U11	3201	1,1	IW16	5305
ITALJET								
50 CC – ASCOT 50				W22FPR-U	4022	0,6	IWF22	5379
50 CC – BAZOOKA			92 >	W20FSR-U	6053	0,6	IWF22	5379
50 CC – BAZOOKA 2		<l>	96 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – CRUISE 50				W20FPR-U	3070	0,6	IWF20	5378
50 CC – DRAGSTER 50			96 > 98	W24FPR	4188	0,6	IWF24	5380
50 CC – DRAGSTER 50 L.C.		LIQUID COOLED	98 >	W24FSR	4037	0,6	IWF24	5380
50 CC – FORMULA 50			94 > 98	W20FPR-U	3070	0,7	IWF20	5378
50 CC – FORMULA 50 AIR		AIR COOLED	98 >	W22FSR	4024	0,6	IWF22	5379
50 CC – FORMULA 50 L.C.		LIQUID COOLED	98 >	W24FSR	4037	0,6	IWF24	5380
50 CC – MINI BAMBINO / JUNIOR CROSS				W20FSR-U	6053	0,5	IWF22	5379
50 CC – PISTA				W22FPR-U	4022	0,6	IWF22	5379
50 CC – REPORTER			96 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – SCIMITAR / KIT KAT / POP CORN				W20FSR-U	6053	0,5	IWF22	5379
50 CC – SCOOP			92 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – SUNNY 50				W20FPR-U	3070	0,6	IWF20	5378
50 CC – TEENAGER / JUNIOR CROSS 4M				W20FSR-U	6053	0,5	IWF22	5379
50 CC – TIFFANY / WINNER				W20FSR-U	6053	0,5	IWF22	5379
50 CC – TORPEDO 50		2-STROKE	00 >	W22FSR	4024	0,6	IWF22	5379
50 CC – VELOCIFERO			94 >	W20FPR-U	3070	0,7	IWF20	5378
50 CC – YANKEE				W22FPR-U	4022	0,6	IWF22	5379
125 CC – BUCCANEER				W22FS-U	4025	0,5	IWF22	5379
125 CC – DRAGSTER 125		(L=19.0MM THREAD)	98 >	W27ESR-U	4045	0,6	IW27	5317
125 CC – FORMULA 125	11		97 >	W22FSR	4024	0,6	IWF22	5379







	KW			Standard			Alternative	
								
ITALJET <i>continued</i>								
125 CC – KANGAROO / COYOTE				W22FS-U	4025	0,5	IWF22	5379
125 CC – MILLENNIUM 125			00 >	U24ESR-N	4126	0,8	IU24	5362
125 CC – SUPER RANGE				W22FS-U	4025	0,5	IWF22	5379
125 CC – TORPEDO 125			00 >	U22ESR-N	4174	0,7	IU22	5361
150 CC – JET SET 150	9		01 >	U24ESR-NB	4223	0,7	IU24	5362
150 CC – TORPEDO 150	9.2		00 > 02	U22ESR-N	4174	0,7	IU22	5361
150 CC – TORPEDO 150	9		01 >	U24ESR-NB	4223	0,7	IU24	5362
180 CC – DRAGSTER 180	15	(L=19.0MM THREAD)	99 >	W27ESR-U	4045	0,6	IW27	5317
ITTECO								
50 CC – COOL 50			97 >	W24FR-L	4154	0,7	IWF24	5380
50 CC – HORNET			97 >	W20FPR-U	3070	0,7	IWF20	5378
JAWA								
50 CC – BABETTA 215 A2 LUX/225/STAR 134			86 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – BABETTA 215 A2 LUX/225/STAR 134	1.8		86 >	W22FS-U	4025	0,5	IWF22	5379
50 CC – JAWA MOPED				W24FS-U	4038	0,5	IWF24	5380
90 CC – CZ TRAIL				W22FS-U	4025	0,5	IWF22	5379
125 CC – 125 ROADSTER			95 >	W24FS-U	4038	0,6	IWF24	5380
125 CC – CZ 125 (DE LUXE)				W24FS-U	4038	0,6	IWF24	5380
125 CC – CZ 125 MOTOCROSS / -GP				-		0,5	IWF27	5381
125 CC – CZ 125 SPORT / 125 (TYPE 476)				W24FS-U	4038	0,5	IWF24	5380
125 CC – CZ 180 / 487.3	6.6	2-STROKE		W22FSR	4024	0,6	IWF22	5379
125 CC – CZ ROLAND			96 >	W24FS-U	4038	0,5	IWF24	5380
150 CC – CHETAK			96 >	W24FS-U	4038	0,5	IWF24	5380
150 CC – CZ 150				W20FSR-U	6053	0,5	IWF22	5379
175 CC – CZ 175 / -477 / -482 / -TRAIL				W24FS-U	4038	0,6	IWF24	5380
175 CC – CZ 180 / 487.4	9.5	2-STROKE		W22FSR	4024	0,6	IWF22	5379
175 CC – CZ 180 / 487.5	10	2-STROKE		W22FSR	4024	0,6	IWF22	5379
175 CC – CZ SPORT /175 /TRIAL (TYPE 477)				W24FS-U	4038	0,5	IWF24	5380
180 CC – CZ ROLAND			96 >	W24FS-U	4038	0,5	IWF24	5380
250 CC – 250 ROADSTER			95 >	W24FS-U	4038	0,5	IWF24	5380
250 CC – BLUE STYLE			95 >	W24FS-U	4038	0,5	IWF24	5380
250 CC – CZ 250				W24FS-U	4038	0,5	IWF24	5380
250 CC – CZ 250 MOTOCROSS / -GP				-		0,5	IWF24	5380
250 CC – CZ 250 SPORT				W24FS-U	4038	0,5	IWF24	5380
350 CC – 634 / 638 / 639 / 640 / 641 / 644	17		96 >	W20FSR-U	6053	0,5	IWF22	5379
350 CC – CHOPPER			95 >	W24FS-U	4038	0,5	IWF24	5380
350 CC – CZ 350 MODELS				W22FS-U	4025	0,5	IWF22	5379
350 CC – CZ 472				W20FSR-U	6053	0,6	IWF22	5379
350 CC – JAWA 640 BLACK STYLE			93 >	W24FS-U	4038	0,5	IWF24	5380
350 CC – JAWA TS 350			90 >	W20FSR-U	6053	0,5	IWF22	5379
350 CC – JAWA TWIN SPORT				W24FS-U	4038	0,5	IWF24	5380
350 CC – RED STYLE			95 >	W24FS-U	4038	0,5	IWF24	5380
350 CC – SPEEDWAY ENGINE	37			-		0,6	IU01-31	5736
360 CC – CZ 360 MOTOCROSS				-		0,5	IWF24	5380
360 CC – CZ STREET				W22FS-U	4025	0,5	IWF22	5379
400 CC – CZ 400 MOTOCROSS				W27FS-U	4052	0,5	IWF27	5381
500 CC – CZ MC 500				-		0,5	IWF24	5380
500 CC – JAWA 500 R				X24ESR-U	4101	0,5	IX24	5372
500 CC – SPEEDWAY 884, 897, 898				-		0,6	IU01-31	5736
650 CC – CLASSIC 650			04 >	X24ESR-U	4101	0,7	IX24	5372
650 CC – DAKAR 650			06 >	X24ESR-U	4101	0,7	IX24	5372
650 CC – STYLE 650			04 >	X24ESR-U	4101	0,7	IX24	5372
JINCHENG								
50 CC – JC 50 Q	2.2	(HONDA CHALY)		U22FSR-U	4008	0,7	IUF22	5383
50 CC – JC 50 Q-7		(HONDA MONKEY)		U22FSR-U	4008	0,7	IUF22	5383
50 CC – TR 36 L (ANGEL)	1.1	(HONDA CHALY)		U22FSR-U	4008	0,7	IUF22	5383
72 CC – CJ 70 A	2.4	(HONDA CHALY)		U20FSR-U	4004	0,7	IUF22	5383
90 CC – JC 90	4.8	(HONDA SUPERCUB)		U20FSR-U	4004	0,7	IUF22	5383
90 CC – JC 90-2B	4.8			U20FSR-U	4004	0,7	IUF22	5383
100 CC – JC 100-7	4.7	(CRUISER)		U22FSR-U	4008	0,7	IUF22	5383
125 CC – JC 125 A	9-10.5			X24ESR-U	4101	0,7	IX24	5372
125 CC – JC 125-7B / JC 125-3A	9-10.5			X24ESR-U	4101	0,7	IX24	5372
KAWASAKI								
50 CC – AE 50			> 82	W20ESR-U	3057	0,8	IW20	5306
50 CC – AE 50			83 >	W24ESR-U	4033	0,8	IW24	5316
50 CC – AR 50			> 82	W20ESR-U	3057	0,8	IW20	5306
50 CC – AR 50			83 > 92	W24ESR-U	4033	0,8	IW24	5316
50 CC – AR 50			93 >	W24ESR-U	4033	0,8	IW24	5316









	KW			Standard			Alternative	
								
KAWASAKI <i>continued</i>								
50 CC – AV 50			> 83	X24ESR-U	4101	0,8	IX24	5372
50 CC – AV 50			84 >	U20FSR-U	4004	0,7	IUF22	5383
50 CC – KDX50-A			03 > 06	W14FPR-UL	4016		IWF16	5359
50 CC – KH 50				W20ESR-U	3057	0,8	IW20	5306
50 CC – KMX 50 (KSR-I)			93 >	W24ESR-U	4033	0,8	IW24	5316
50 CC – M10			65 > 66	W22FS-U	4025		IWF22	5379
60 CC – KX 60			> 92	W27ESR-V	4049	0,6	IW27	5317
60 CC – KX 60			93 >	W27ESR-V	4049	0,7	IW27	5317
60 CC – M11			65 > 66	W22FS-U	4025		IWF22	5379
65 CC – KX 65			00 >	-		0,7	IW31	5319
75 CC – KV 75			76 > 80	W22FS-U	4025		IWF22	5379
75 CC – MT 1			71 > 75	W22FS-U	4025		IWF22	5379
80 CC – AE 80			> 82	W22EPR-U	3088	0,8	IW22	5307
80 CC – AE 80			83 >	W24EPR-U	4136	0,7	IW24	5316
80 CC – AN 80				U20FSR-U	4004	0,7	IUF22	5383
80 CC – AR 80			> 82	W22EPR-U	3088	0,7	IW22	5307
80 CC – AR 80			83 >	W24EPR-U	4136	0,8	IW24	5316
80 CC – DX 80				W24ESR-U	4033	0,8	IW24	5316
80 CC – KD 80 / -A / -M			> 87	W22FS-U	4025	0,8	IWF22	5379
80 CC – KD 80 N			88 > 90	W24EPR-U	4136		IW24	5316
80 CC – KDX 80			80 > 88	W24ESR-U	4033	0,8	IW24	5316
80 CC – KH 80				W22ESR-U	3098	0,7	-	
80 CC – KMX 80 (KSR-2)			93 >	W24ESR-U	4033	0,8	IW24	5316
80 CC – KX 80			> 80	W24ESR-U	4033	0,8	IW24	5316
80 CC – KX 80			81 > 82	W27ESR-U	4045	0,7	IW27	5317
80 CC – KX 80			83 > 91	-		0,7	IW27	5317
80 CC – KX 80 / 80-2			92 >	-		0,7	IW01-32	5717
80 CC – KX 80 S7			97 >	-		0,6	IW01-32	5717
80 CC – KX 80 V7			97 >	-		0,6	IW01-32	5717
85 CC – J1			65 > 67	W22FS-U	4025		IWF22	5379
85 CC – KX 85 / 85-II	21		01 >	-		0,7	IW01-32	5717
90 CC – G3SS			69 > 75	W24FS-U	4038		IWF24	5380
90 CC – G3TR			69 > 71	W24FS-U	4038		IWF24	5380
90 CC – KC 90				W24ESR-U	4033	0,8	IW24	5316
90 CC – KC 90 A				W24ESR-U	4033	0,8	IW24	5316
90 CC – KC 90 C				W24FS-U	4038	0,7	IWF24	5380
90 CC – KC 90 D				W24FS-U	4038	0,7	IWF24	5380
90 CC – KE 90				W24ESR-U	4033	0,7	IW24	5316
90 CC – KH 90				W24ESR-U	4033	0,7	IW24	5316
90 CC – KM 90				W22FS-U	4025	0,7	IWF22	5379
90 CC – MC1			73 > 75	W22FS-U	4025		IWF22	5379
90 CC – MC1M			74 > 75	W22FS-U	4025		IWF22	5379
100 CC – D1			> 66	W22FS-U	4025		IWF22	5379
100 CC – G2SS			> 75	W24FS-U	4038		IWF24	5380
100 CC – G3TR			> 71	-			IWF24	5380
100 CC – G4TR			70 > 75	W22FS-U	4025		IWF22	5379
100 CC – G5			72 > 75	-			IWF24	5380
100 CC – KC 100			80 >	W24ESR-U	4033	0,7	IW24	5316
100 CC – KD 100			76 > 79	W22FS-U	4025	0,7	IWF22	5379
100 CC – KE 100 A5 / A6			76 > 77	W24ESR-U	4033	0,7	IWF24	5380
100 CC – KE 100 A7 / A8 / A9 / A10			78 > 81	W24ESR-U	4033	0,8	IW24	5316
100 CC – KE 100 B			82 > 01	W24ESR-U	4033		IW24	5316
100 CC – KH 100 B7			> 76	W24ESR-U	4033	0,8	IWF24	5380
100 CC – KH 100 B8			> 77	W24FS-U	4038		IWF24	5380
100 CC – KM 100			76 > 81	W22FS-U	4025	0,7	IWF22	5379
100 CC – KV 100			> 76	W22FS-U	4025	0,8	IWF22	5379
100 CC – KX 100			95 > 09	-		0,6	IW01-32	5717
110 CC – KAZE 110			95 >	U20FSR-U	4004	0,7	IUF22	5383
110 CC – KLX 110 / -L / -MONSTER ENERGY			02 >	U20FSR-U	4004	0,7	IUF22	5383
110 CC – KSR 110 (BB) (HONDA MONKEY)			03 >	U20FSR-U	4004	0,6	IUF22	5383
125 CC – AR 125			82 >	W24ESR-U	4033	0,8	IW24	5316
125 CC – B8T			65 > 66	W22FS-U	4025		IWF22	5379
125 CC – BN 125A ELIMINATOR	8.8		01 >	U22ESR-N	4174	0,7	IU22	5361
125 CC – C2SS			67 > 69	W22FS-U	4025		IWF22	5379
125 CC – C2TR		2-STROKE	67 > 69	W22FS-U	4025		IWF22	5379
125 CC – D-TRACKER 125 DAF			10 >	U22FSR-U	4008	0,8	IUF22	5383
125 CC – DX 125				-		0,8	IW27	5317
125 CC – F6			71 > 73	W24FS-U	4038		IWF24	5380









	KW			Standard			Alternative	
								
KAWASAKI <i>continued</i>								
125 CC – KC 125				W20FSR-U	6053	0,8	IWF22	5379
125 CC – KD 125			75 > 79	W24FS-U	4038	0,8	IWF24	5380
125 CC – KDX 125 / -SR			90 >	W24ESR-U	4033	0,7	IW24	5316
125 CC – KE 125			76 > 84	W24FS-U	4038	0,8	IWF24	5380
125 CC – KH 125			77 > 81	W24ESR-U	4033	0,8	IW24	5316
125 CC – KH 125			93 >	W24ESR-U	4033	0,8	IW24	5316
125 CC – KLX 125 / -L			03 > 06	X24ESR-U	4101		IX24	5372
125 CC – KLX 125 CAF			10 >	U22FSR-U	4008	0,8	IUF22	5383
125 CC – KMX 125			86 >	W24ESR-U	4033	0,7	IW24	5316
125 CC – KS 125			73 > 77	W24FS-U	4038	0,7	IWF24	5380
125 CC – KX 125			00 > 03	-		0,7	IW27	5317
125 CC – KX 125			04 > 05	-		0,7	IW01-27	5714
125 CC – KX 125			82 > 84	-		0,8	IW27	5317
125 CC – KX 125			85 > 90	-		0,8	IW31	5319
125 CC – KX 125			90 > 99	-		0,6	IW01-32	5717
125 CC – KX 125 K4			97 >	-		0,6	IW27	5317
150 CC – B8S			65 > 66	W22FS-U	4025		IWF22	5379
175 CC – F1			> 66	W22FS-U	4025		IWF22	5379
175 CC – F1 TR			> 66	W22FS-U	4025		IWF22	5379
175 CC – F2			> 67	W22FS-U	4025		IWF22	5379
175 CC – F2 TR		2-STROKE	> 67	W22FS-U	4025		IWF22	5379
175 CC – F3			68 > 70	W24FS-U	4038		IWF24	5380
175 CC – F7			71 > 75	W27FS-U	4052		IWF27	5381
175 CC – KD 175			76 > 79	W27FS-U	4052	0,8	IWF27	5381
175 CC – KDX 175			80 > 84	-		0,7	IW27	5317
175 CC – KE 175			> 80	W27FS-U	4052	0,8	IWF27	5381
175 CC – KE 175			81 >	W22ESR-U	3098	0,8	-	
175 CC – KE 175 B				W27FS-U	4052	0,8	IWF27	5381
175 CC – KE 175 D				W22ESR-U	3098	0,7	-	
200 CC – KDX 200			93 > 94	W27ESR-U	4045	0,8	IW27	5317
200 CC – KDX 200			95 >	W24ESR-U	4033	0,8	IW24	5316
200 CC – KMX 200			88 > 92	W24ESR-U	4033	0,8	IW24	5316
200 CC – KZ 200 A			> 79	W22ESR-U	3098		IW22	5307
200 CC – Z 200			77 > 81	W24ESR-U	4033	0,6	IW24	5316
220 CC – KDX 220			97 > 05	W24ESR-U	4033		IW24	5316
250 CC – 250 TR			02 >	X27ESR-U	4116	0,7	IX27	5373
250 CC – BJ 250 A ESTRELLA	13	(STANDARD)	93 > 96	X27ESR-U	4116	0,7	IX27	5373
250 CC – BJ 250 A ESTRELLA		(CITY DRIVING = OPTION)	93 > 96	X24ESR-U	4101	0,7	IX24	5372
250 CC – BJ 250 C ESTRELLA			97 >	X27ESR-U	4116	0,7	IX27	5373
250 CC – EL 250 ELIMINATOR			89 > 94	U24FSR-U	4010	0,7	IUF24	5384
250 CC – EX 250 F (GPX 250 R)			93 >	U24FSR-U	4010	0,7	IUF24	5384
250 CC – EX 250 H (ZZ-R 250)			93 >	U24FSR-U	4010	0,7	IUF24	5384
250 CC – F21M			68 > 70	W24FS-U	4038		IWF24	5380
250 CC – F4 SIDEWINDER			69 > 70	W27FS-U	4052		IWF27	5381
250 CC – F8 BISON			71 > 72	W24FS-U	4038		IWF24	5380
250 CC – F81M			> 71	W27FS-U	4052		IWF27	5381
250 CC – GPX 250 R				U24FSR-U	4010	0,7	IUF24	5384
250 CC – GPZ 250		BELT DRIVE		X24EPR-U9	4096	0,9	IX24B	5376
250 CC – GPZ 250 R				U24FSR-U	4010	0,7	IUF24	5384
250 CC – KDX 250			> 94	W24ESR-U	4033	0,7	IW24	5316
250 CC – KDX 250			91 >	W27ESR-U	4045	0,7	IW27	5317
250 CC – KDX 250 SR			92 >	W24ESR-U	4033	0,8	IW24	5316
250 CC – KE 250			> 79	W24ESR-U	4033	0,7	IW24	5316
250 CC – KH 250			73 > 80	W27FS-U	4052	0,7	IWF27	5381
250 CC – KL 250 (A)			79 > 84	W22ESR-U	3098	0,8	IW22	5307
250 CC – KL 250 / KL 250 R / KLR 250			83 > 98	X27EPR-U9	4111	0,8	IX27B	5377
250 CC – KL 250 G4 / G5 / G6 / G7		SUPER SHERPA	00 > 04	U24ESR-N	4126		IU24	5362
250 CC – KL 250 G9F		SUPER SHERPA	09 > 09	U24ESR-N	4126		IU24	5362
250 CC – KLX 250			80 > 85	W22ESR-U	3098	0,8	-	
250 CC – KLX 250 (KLX 250 E / -R)			93 >	U24ESR-N	4126	0,8	IU24	5362
250 CC – KLX 250 H / T / S			06 >	U24ESR-N	4126		IU24	5362
250 CC – KLX 250 W / SF			09 > 10	U24ESR-N	4126	0,8	IU24	5362
250 CC – KR-1 R				W31ESR-U	4176	0,8	IW31	5319
250 CC – KR-1 S				W31ESR-U	4176	0,8	IW31	5319
250 CC – KT 250				W22FS-U	4025	0,8	IWF22	5379
250 CC – KX 250			> 91	-		0,8	IW27	5317
250 CC – KX 250			02 > 07	-		0,7	IW24	5316
250 CC – KX 250			92 > 94	-		0,8	IW01-27	5714

	KW			Standard			Alternative	
								
KAWASAKI <i>continued</i>								
250 CC – KX 250			95 > 96	-		0,8	IW24	5316
250 CC – KX 250			97 > 01	-		0,7	IW27	5317
250 CC – KX 250 F			04 > 05	U24ESR-NB	4223	0,7	IU24	5362
250 CC – KX 250 F			06 > 10	U24ESR-N	4126	0,7	IU24	5362
250 CC – KX 250 F			11 >	U24ESR-NB	4223	0,7	IU24	5362
250 CC – LTD 250		BELT DRIVE		X24ESR-U	4101	0,8	IX24	5372
250 CC – LX 250				W22ESR-U	3098	0,8	-	
250 CC – NINJA 250 R			06 > 07	U24FSR-U	4010	0,7	IUF24	5384
250 CC – NINJA 250 R			08 >	U24ESR-N	4126	0,7	IU24	5362
250 CC – Z 250				W22ESR-U	3098	0,8	-	
250 CC – Z 250		BELT DRIVE		X24EPR-U9	4096	0,9	IX24B	5376
250 CC – Z 250 A / B			80 >	X27ESR-U	4116	0,7	IX27	5373
250 CC – Z 250 C			80 >	W22ESR-U	3098	0,7	-	
250 CC – Z 250 D				W22ESR-U	3098	0,9	-	
250 CC – Z 250 G				W22ESR-U	3098	0,9	-	
250 CC – Z 250 J				X27ESR-U	4116	0,9	IX27	5373
250 CC – Z 250 LTD			81 >	W24ESR-U	4033	0,7	IW24	5316
250 CC – Z 250 T				X27EPR-U9	4111	0,8	IX27B	5377
250 CC – ZR 250 (BALIUS)			93 >	U27ESR-N	4131	0,8	IU27	5363
250 CC – ZX 250 (ZXR 250)			93 >	U27ESR-N	4131	0,8	IU27	5363
250 CC – ZZ-R 250 (EX250H)			90 >	U24FSR-U	4010	0,7	IUF24	5384
300 CC – KLX 300 R	24,3		97 > 07	U24ESR-N	4126	0,7	IU24	5362
305 CC – GPZ 305		CHAIN / BELT DRIVE	83 >	X27EPR-U9	4111	0,9	IX27B	5377
305 CC – Z 305 / LTD 305				X24ESR-U	4101	0,8	IX24	5372
350 CC – S 2 / S 2A				W27FS-U	4052	0,7	IWF27	5381
400 CC – EN 400 A				X27ESR-U	4116	0,7	IX27	5373
400 CC – EN 400A / EN 400 B (VULCAN)			90 >	X27ESR-U	4116	0,7	IX27	5373
400 CC – GPX 400 R / GPZ 400 R		<J>		X27ESR-U	4116	0,7	IX27	5373
400 CC – GPZ 400				X27EPR-U9	4111	0,9	IX27B	5377
400 CC – GPZ 400 F				X27EPR-U9	4111	0,9	IX27B	5377
400 CC – GPZ 400 FII				X27EPR-U9	4111	0,9	IX27B	5377
400 CC – KH 400			> 78	W24FS-U	4038	0,7	IWF24	5380
400 CC – KLE 400			93 >	X24ESR-U	4101	0,7	IX24	5372
400 CC – KLX 400 R / SR			03 > 04	U24ESR-N	4126		IU24	5362
400 CC – KX 400				-		0,6	IW27	5317
400 CC – KZ 400				W24ESR-U	4033	0,7	IW24	5316
400 CC – LTD 400				X27ESR-U	4116	0,7	IX27	5373
400 CC – S 3 / S 3A				W27FS-U	4052	0,7	IWF27	5381
400 CC – Z 400			76 > 82	W22ESR-U	3098	0,8	-	
400 CC – Z 400 A / B / D / G / H			74 > 83	W22ESR-U	3098	0,8	-	
400 CC – Z 400 C			79 >	W22ESR-U	3098	0,8	-	
400 CC – Z 400 F			83 >	X24ESR-U	4101	0,6	IX24	5372
400 CC – Z 400 F / F-II				X27EPR-U9	4111	0,8	IX27B	5377
400 CC – Z 400 G				W22ESR-U	3098	0,6	-	
400 CC – Z 400 H				W22ESR-U	3098	0,8	-	
400 CC – Z 400 J			80 > 82	X24ESR-U	4101	0,8	IX24	5372
400 CC – Z 400 J		<I>	80 > 82	X24ESR-U	4101	0,7	IX24	5372
400 CC – Z 400 K				X22ESR-U	4091	0,6	IX22	5371
400 CC – Z 400 LTD				W22ESR-U	3098	0,8	-	
400 CC – Z 400 M				X24ESR-U	4101	0,7	IX24	5372
400 CC – ZL 400 (ELIMINATOR 400SE)			93 >	X27ESR-U	4116	0,7	IX27	5373
400 CC – ZR 400			> 83	X22ESR-U	4091	0,7	IX22	5371
400 CC – ZR 400			84 >	X24ESR-U	4101	0,8	IX24	5372
400 CC – ZR 400 -B1 /-C2				X27EPR-U9	4111	0,9	IX27B	5377
400 CC – ZR 400-C (XANTHUS)			93 >	U27ETR	4155	0,8	IU27A	5366
400 CC – ZR 400-C (ZEPHYR 400)			93 >	X27EPR-U9	4111	0,9	IX27B	5377
400 CC – ZRX 400				U27ETR	4155	0,8	IU27A	5366
400 CC – ZX 400 (Z 400-F2)			93 >	X27EPR-U9	4111	0,9	IX27B	5377
400 CC – ZX 400 (ZXR 400 R / ZZR 400)			93 >	U27ETR	4155	0,8	IU27A	5366
400 CC – ZX 400 -L1 /-L2				U27ETR	4155	0,7	IU27A	5366
400 CC – ZX-4		<J>		U27ETR	4155	0,7	IU27A	5366
400 CC – ZXR 400	19-48		90 >	U27ETR	4155	0,8	IU27A	5366
440 CC – Z 440 / Z 440 LTD			80 > 86	W22ESR-U	3098	0,8	-	
450 CC – EN 450 A				X27ESR-U	4116	0,7	IX27	5373
450 CC – KLX 450 R			08 > 09	U24ESR-NB	4223	0,9	IU24	5362
450 CC – KX 450			> 74	W27FSR-U10	6055		IWF27	5381
450 CC – KX 450 F	41,5		06 >	U24ESR-NB	4223	0,9	IU24	5362
450 CC – LTD 450		LIQUID COOLED	85 >	X27ESR-U	4116	0,7	IX27	5373









	KW			Standard			Alternative	
								
KAWASAKI <i>continued</i>								
500 CC – EN 500 (C)			90 >	X27ESR-U	4116	0,8	IX27	5373
500 CC – EN 500 (VULCAN 500 LTD)		+<A> (STANDARD)	96 > 09	X27ESR-U	4116	0,7	IX27	5373
500 CC – EN 500 (VULCAN 500 LTD)		(CITY DRIVING = OPTION)	96 > 09	X24ESR-U	4101	0,7	IX24	5372
500 CC – EN 500 (VULCAN 500)		+<A> (STANDARD)	90 > 96	X27ESR-U	4116	0,7	IX27	5373
500 CC – EN 500 (VULCAN 500)		(CITY DRIVING = OPTION)	90 > 96	X24ESR-U	4101	0,7	IX24	5372
500 CC – ER5 TWISTER (ER 500)	25-37	+<A> (STANDARD)	97 > 03	X27ESR-U	4116	0,7	IX27	5373
500 CC – ER5 TWISTER (ER 500)	25-37	(CITY DRIVING = OPTION)	97 > 03	X24ESR-U	4101	0,7	IX24	5372
500 CC – EX 500 (GPZ 500 S EN 500)			93 >	X24ESR-U	4101	0,7	IX24	5372
500 CC – EX 500 A (GPZ 500S)			87 > 93	X27ESR-U	4116		IX27	5373
500 CC – EX 500 NINJA 500 (GPZ 500S)			94 > 96	X27ESR-U	4116		IX27	5373
500 CC – EX 500 NINJA 500R (GPZ 500S)			97 > 09	X27ESR-U	4116		IX27	5373
500 CC – GPX 500 R			89 >	X27ESR-U	4116	0,7	IX27	5373
500 CC – GPZ 500 S (EX 500 D)	20-44		94 >	X27ESR-U	4116	0,7	IX27	5373
500 CC – GPZ 500 S (EX500A1-6)			86 > 94	X27ESR-U	4116	0,7	IX27	5373
500 CC – GPZ 500 S (EX500A1-6)		<>	86 > 94	X27ESR-U	4116	0,7	IX27	5373
500 CC – H 1 / -A / -F				W27FSR-U10	6055	1,0	IWF27	5381
500 CC – KH 500				W27FSR-U10	6055	1,0	IWF27	5381
500 CC – KH 500			> 78	W27FSR-U10	6055	1,0	IWF27	5381
500 CC – KLE 500			> 07	X27ESR-U	4116	0,7	IX27	5373
500 CC – KLE 500 (LE500A / ..)	20-37	+<A> (STANDARD)	90 >	X27ESR-U	4116	0,8	IX27	5373
500 CC – KLE 500 (LE500A / ..)	20-37	(CITY DRIVING = OPTION)	90 >	X24ESR-U	4101	0,8	IX24	5372
500 CC – KLR 500				X24EPR-U9	4096	0,9	IX24B	5376
500 CC – KX 500			83 > 84	W27ESR-V	4049	0,8	IW27	5317
500 CC – KX 500			85 > 04	W24ESR-V	4035		IW24	5316
500 CC – KX 500			93 > 96	-		0,8	IW24	5316
500 CC – LE 500 A				X27ESR-U	4116	0,7	IX27	5373
500 CC – Z 500				X24ESR-U	4101	0,7	IX24	5372
500 CC – Z 500			80 >	X24ESR-U	4101	0,7	IX24	5372
500 CC – Z 500 -B1/B2			80 >	X24ESR-U	4101	0,7	IX24	5372
500 CC – ZL 500				X27ESR-U	4116	0,7	IX27	5373
500 CC – ZR 500				X24ESR-U	4101	0,7	IX24	5372
500 CC – ZZ-R 500				U27ESR-N	4131	0,7	IU27	5363
550 CC – GPZ 550 (ZX550A)			83 > 92	X27EPR-U9	4111	0,9	IX27B	5377
550 CC – GT 550			83 >	X27ESR-U	4116	0,7	IX27	5373
550 CC – LTD 550			80 > 86	X24ESR-U	4101	0,7	IX24	5372
550 CC – Z 550			83 >	X27ESR-U	4116	0,7	IX27	5373
550 CC – ZEPHYR (ZR 550 B8)	25-37		90 > 93	X27ESR-U	4116	0,7	IX27	5373
550 CC – ZX 550 A1			84 > 86	X27EPR-U9	4111	0,9	IX27B	5377
600 CC – ELIMINATOR 600 (ZL600 8)		+<A> (STANDARD)	95 >	X27ESR-U	4116	0,7	IX27	5373
600 CC – ELIMINATOR 600 (ZL600 8)		(CITY DRIVING = OPTION)	95 >	X24ESR-U	4101	0,7	IX24	5372
600 CC – GPX 600			89 >	X27ESR-U	4116	0,7	IX27	5373
600 CC – GPX 600 R	25-54		96 >	X27ESR-U	4116	0,7	IX27	5373
600 CC – GPZ 600				X24ESR-U	4101	0,7	IX24	5372
600 CC – GPZ 600 R	55-63		84 > 91	X27ESR-U	4116	0,9	IX27	5373
600 CC – GPZ 600 R			92 >	X24ESR-U	4101	0,8	IX24	5372
600 CC – KL 600				X24EPR-U9	4096	0,9	IX24B	5376
600 CC – KL 600 R-AI		<>		X24ESR-U	4101	0,7	IX24	5372
600 CC – KLR 600			> 84	X24ESR-U	4101	0,7	IX24	5372
600 CC – KLR 600			85 >	X24EPR-U9	4096	0,9	IX24B	5376
600 CC – KLR 600 EL		<>		X27EPR-U9	4111	0,9	IX27B	5377
600 CC – KLR 600 S				X24EPR-U9	4096	0,9	IX24B	5376
600 CC – XT 600				X24EPR-U9	4096	0,9	IX24B	5376
600 CC – ZL 600 (ELIMINATOR)			86 > 95	X24ESR-U	4101	0,7	IX24	5372
600 CC – ZX 600-A1/A3 NINJA 600			85 > 87	X27ESR-U	4116	0,7	IX27	5373
600 CC – ZX 600-B1 NINJA 600RX			87 > 87	X27ESR-U	4116	0,7	IX27	5373
600 CC – ZX 600-C1/C10 NINJA 600R			88 > 97	X27ESR-U	4116	0,7	IX27	5373
600 CC – ZX 600-D1/D4 NINJA ZX-6			90 > 93	U27ESR-N	4131	0,7	IU27	5363
600 CC – ZX 600-E1/E10 NINJA ZX-6			93 > 02	U27ESR-N	4131	0,7	IU27	5363
600 CC – ZX 600-E11/E13 ZZR600			03 > 05	U27ESR-N	4131		IU27	5363
600 CC – ZX 600-F1/F3 NINJA ZX-6R			95 > 97	U27ESR-N	4131		IU27	5363
600 CC – ZX 600-G1/G2 NINJA ZX-6R			98 > 99	U27ESR-N	4131		IU27	5363
600 CC – ZX 600-J1/J3 NINJA ZX-6R			00 > 02	U27ESR-N	4131		IU27	5363
600 CC – ZX 600-J4 ZZR600			05 > 05	U27ESR-N	4131		IU27	5363
600 CC – ZX 600-J6F/J8F ZZR600			06 > 08	U27ESR-N	4131	0,8	IU27	5363
600 CC – ZX 600-K1/M1/N1 NINJA ZX-6RR			03 > 05	U27ESR-N	4131		IU27	5363
600 CC – ZX 600-N6F NINJA ZX-6RR			06 > 06	U27ESR-N	4131	0,7	IU27	5363
600 CC – ZX 600-P7F/P8FA NINJA ZX-6R			07 > 08	U27ESR-N	4131	0,7	IU27	5363
600 CC – ZX 600-R9F/RCF NINJA ZX-6R			09 >	U27ESR-N	4131	0,8	IU27	5363









	KW			Standard			Alternative	
								
KAWASAKI <i>continued</i>								
636 CC – ZX 636-B1/B2/C1 NINJA ZX-6R			03 > 05	U27ESR-N	4131	0,8	IU27	5363
636 CC – ZX 636-C6F/D6F NINJA ZX-6R			06 > 06	U27ESR-N	4131	0,8	IU27	5363
650 CC – EJ 650		W650 RETRO	00 > 01	U24ESR-N	4126		IU24	5362
650 CC – ER-6F	53		06 >	-		0,9	IU27D	5390
650 CC – ER-6N	53		06 >	-		0,9	IU27D	5390
650 CC – EX 650 NINJA 650R			06 >	-			IU27D	5390
650 CC – KL 650 (KLR 650 / TENGAI)			89 >	X24EPR-U9	4096	0,9	IX24B	5376
650 CC – KL 650-A1/A19 KLR650			87 > 05	X24EPR-U9	4096		IX24B	5376
650 CC – KL 650-A6F/ECF KLR650			06 >	X24EPR-U9	4096		IX24B	5376
650 CC – KL 650-B2/B3 TENGAI			90 > 91	X24EPR-U9	4096		IX24B	5376
650 CC – KLE 650 VERSYS	47		07 >	-		0,9	IU27D	5390
650 CC – KLR 650			86 > 94	X24EPR-U9	4096	0,9	IX24B	5376
650 CC – KLR 650 (KL650C1)	25-31		95 >	X24EPR-U9	4096	0,8	IX24B	5376
650 CC – KLX 650 (KLX 650 C/C1)			93 >	X24EPR-U9	4096	0,9	IX24B	5376
650 CC – KLX 650 (KLX 650 D)			95 >	X24EPR-U9	4096	0,9	IX24B	5376
650 CC – KLX 650 R (KLX 650 A)			93 >	X24EPR-U9	4096	0,9	IX24B	5376
650 CC – KZ 650 B / -C / -D / -F				W24ESR-U	4033	0,8	IW24	5316
650 CC – Z 650 (F-B)	49		76 >	W24ESR-U	4033	0,7	IW24	5316
700 CC – LTD 700				W24ESR-U	4033	0,7	IW24	5316
700 CC – Z 700				W24ESR-U	4033	0,7	IW24	5316
700 CC – ZN 700 A				W24ESR-U	4033	0,8	IW24	5316
750 CC – GPX 750 R			87 >	X27ESR-U	4116	0,7	IX27	5373
750 CC – GPZ 750	58-64	AIR COOLED	82 > 85	W27ESR-U	4045	0,7	IW27	5317
750 CC – GPZ 750 R	68	LIQUID COOLED	85 >	X27ESR-U	4116	0,7	IX27	5373
750 CC – GPZ 750 TURBO / Z 750 TURBO	74-82		83 > 88	-		0,7	IW27	5317
750 CC – GT 750			82 > 88	W24ESR-U	4033	0,7	IW24	5316
750 CC – KZ 750 SPECTRE E / -H / -L / -P / -R / -K / -D / -P				W24ESR-U	4033	0,8	IW24	5316
750 CC – KZ 750 TWIN		B4, C1, M1, K1	79 > 83	W20ESR-U	3057	0,7	IW20	5306
750 CC – KZ 750 TWIN		<GB, CALIFORNIA>	79 > 83	W22EPR-U	3088	0,7	IW22	5307
750 CC – KZ750-S			> 05	U27ETR	4155		IU27A	5366
750 CC – LTD 750			82 > 87	W24ESR-U	4033	0,9	IW24	5316
750 CC – VN 750 VULCAN		TWIN SPARK	86 > 06	X22EPR-U9	4086	0,9	IX22B	5375
750 CC – VN 750 VULCAN / TWIN			85 > 93	X22EPR-U9	4086	0,9	IX22B	5375
750 CC – Z 2				W24ESR-U	4033	0,8	IW24	5316
750 CC – Z 750 (GT 750)			93 >	X24ESR-U	4101	0,7	IX24	5372
750 CC – Z 750 B / E / GP / H / L				W24ESR-U	4033	0,8	IW24	5316
750 CC – Z 750 D				W24ESR-U	4033	0,8	IW24	5316
750 CC – Z 750 LTD				W24ESR-U	4033	0,8	IW24	5316
750 CC – Z 750 LTD		BELT DRIVE		W20EPR-U	3047	0,7	IW20	5306
750 CC – Z 750 LTD TWIN				W20EPR-U	3047	0,7	IW20	5306
750 CC – Z 750 M				W20ESR-U	3057	0,7	-	
750 CC – ZEPHYR (ZR 750 C)			91 >	X24ESR-U	4101	0,7	IX24	5372
750 CC – ZEPHYR (ZR 750 D1/D2)	25-57		96 >	X27ESR-U	4116	0,7	IX27	5373
750 CC – ZL 750 A				X24ESR-U	4101	0,7	IX24	5372
750 CC – ZN 750 A				W24ESR-U	4033	0,8	IW24	5316
750 CC – ZR 750-K1/K6F (Z 750S)			05 > 06	U27ETR	4155	0,7	IU27A	5366
750 CC – ZR 750-L7F/LAS (Z 750)			07 > 10	U27ETR	4155	0,8	IU27A	5366
750 CC – ZR-7 / ZR-7S (ZR 750)	56		00 > 03	X27ESR-U	4116	0,7	IX27	5373
750 CC – ZX 750 N1 / P1			96 >	U27ESR-N	4131	0,8	IU27	5363
750 CC – ZX 750-N1/N2 NINJA ZX-7RR			96 > 97	U27ESR-N	4131	0,8	IU27	5363
750 CC – ZX 750-P1/P8 NINJA ZX-7R			96 > 03	U27ESR-N	4131	0,8	IU27	5363
750 CC – ZX-7 R (NINJA)			96 >	U27ESR-N	4131	0,7	IU27	5363
750 CC – ZX-7 RR (NINJA)			96 >	U27ESR-N	4131	0,7	IU27	5363
750 CC – ZXR 750 (R)	72-89		88 >	U27ESR-N	4131	0,8	IU27	5363
750 CC – ZXR 750 (R) (ZX 750 J / L / M)			93 >	U27ESR-N	4131	0,8	IU27	5363
805 CC – VN 800-A1/A11 VULCAN 800	25-41		95 > 05	U22ESR-N	4174	0,8	IU22	5361
805 CC – VN 800-B1/B10 VULCAN 800 CLASSIC	25-41		96 > 05	U22ESR-N	4174	0,8	IU22	5361
805 CC – VN 800-C2/E6F VULCAN 800 DRIFTER	25-41		00 > 06	U22ESR-N	4174	0,8	IU22	5361
900 CC – GPZ 900 R			84 >	X27ESR-U	4116	0,7	IX27	5373
900 CC – VN 900 VULCAN 900 CLASSIC			06 >	U22EPR9	4234	0,9	IU22	5361
900 CC – VN 900 VULCAN 900 CLASSIC LT			06 >	U22EPR9	4234	0,9	IU22	5361
900 CC – VN 900 VULCAN 900 CUSTOM			07 >	U22EPR9	4234	0,9	IU22	5361
900 CC – Z 1				W24ESR-U	4033	0,8	IW24	5316
900 CC – Z 1			73 > 77	W24ESR-U	4033	0,7	IW24	5316
900 CC – Z 900			73 > 77	W24ESR-U	4033	0,7	IW24	5316
900 CC – ZL 900-A ELIMINATOR			85 > 86	X24ESR-U	4101	0,7	IX24	5372
900 CC – ZX 900-A NINJA			84 > 86	X27ESR-U	4116	0,7	IX27	5373









	KW			Standard			Alternative	
								
KAWASAKI <i>continued</i>								
900 CC – ZX 900-B/-C/-E/-F NINJA ZX-9R			94 > 03	U27ETR	4155	0,7	IU27A	5366
900 CC – ZX-9 NINJA (ZX 900 B1 - B2)			94 > 95	U27ETR	4155	0,7	IU27A	5366
1000 CC – 1000 GTR (ZG100A / ZGT 1000 A)			94 >	X27ESR-U	4116	0,7	IX27	5373
1000 CC – 1000 GTR (ZG100A)			86 > 94	X27ESR-U	4116	0,7	IX27	5373
1000 CC – 1000 GTR (ZG100A)		<>	86 > 94	X27ESR-U	4116	0,7	IX27	5373
1000 CC – A 1000 R1				W24ESR-U	4033	0,7	IW24	5316
1000 CC – GPZ 1000 (ZX100E1)			95 >	X27ESR-U	4116	0,8	IX27	5373
1000 CC – GPZ 1000 AZ		<>		W24ESR-U	4033	0,8	IW24	5316
1000 CC – GPZ 1000 R		<>		X27ESR-U	4116	0,8	IX27	5373
1000 CC – GPZ 1000 RX			86 > 87	X24ESR-U	4101	0,8	IX24	5372
1000 CC – GTR 1000			86 > 06	X27ESR-U	4116	0,7	IX27	5373
1000 CC – KLV 1000	72		04 > 06	U24ETR	4158	0,7	IU24A	5365
1000 CC – KZ 1000 A / -D / -E / -H / -J / -K / -R				W24ESR-U	4033	0,8	IW24	5316
1000 CC – KZ 1000 POLICE			82 > 05	W24ESR-U	4033	0,8	IW24	5316
1000 CC – KZ 1000 POLICE			93 >	W24ESR-U	4033	0,8	IW24	5316
1000 CC – ST 1000		<>		W24ESR-U	4033	0,7	IW24	5316
1000 CC – Z 1000			> 80	W24ESR-U	4033	0,7	IW24	5316
1000 CC – Z 1000			81 > 88	W24ESR-U	4033	0,9	IW24	5316
1000 CC – Z1R 1000				W24ESR-U	4033	0,9	IW24	5316
1000 CC – ZG 1000-A CONCOURS			86 > 06	X24ESR-U	4101	0,7	IX24	5372
1000 CC – ZL1000 ELIMINATOR			87 >	X27ESR-U	4116	0,7	IX27	5373
1000 CC – ZX 1000 NINJA 1000			11 >	-		0,9	IU27D	5390
1000 CC – ZX 1000 NINJA 1000R			86 > 87	X27ESR-U	4116	0,7	IX27	5373
1000 CC – ZX 1000 NINJA ZX-10			88 > 90	U27ESR-N	4131	0,7	IU27	5363
1000 CC – ZX 1000 NINJA ZX-10R			04 >	-		0,7	IU27D	5390
1000 CC – ZX 1000 NINJA ZX-10R ABS			11 >	-		0,9	IU27D	5390
1043 CC – Z 1000 (ZR1000-A1/-A6F)			03 > 06	U27ETR	4155		IU27A	5366
1043 CC – Z 1000 (ZR1000-B7F/-DCF)			07 >	-			IU27D	5390
1052 CC – ZR 1100-A ZEPHYR			92 > 95	U27ESR-N	4131	0,8	IU27	5363
1052 CC – ZR 1100-B ZEPHYR			96 > 97	U27ESR-N	4131	0,8	IU27	5363
1052 CC – ZR 1100-C ZRX1100			97 > 00	U27ETR	4155	0,7	IU27A	5366
1052 CC – ZX 1100-A GPZ			83 > 84	W24ESR-U	4033	0,8	IW24	5316
1052 CC – ZX 1100-C /-D NINJA ZX-11			90 > 01	U27ESR-N	4131	0,8	IU27	5363
1052 CC – ZX 1100-E GPZ 1100			95 > 97	U27ETR	4155	0,8	IU27A	5366
1052 CC – ZX 1100-F1 GPZ 1100 ABS			> 96	U27ETR	4155	0,8	IU27A	5366
1052 CC – ZZ-R 1100 (ZX 1100-C/-D)			90 > 01	U27ESR-N	4131	0,8	IU27	5363
1100 CC – KZ 1100 A / -B / -D / -R				W24ESR-U	4033	0,8	IW24	5316
1100 CC – LTD 1100			82 >	W24ESR-U	4033	0,7	IW24	5316
1100 CC – Z 1100				W24ESR-U	4033	0,7	IW24	5316
1100 CC – ZN 1100 B				W24ESR-U	4033	0,8	IW24	5316
1200 CC – ZG 1200 VOYAGER XII			86 > 02	X24EPR-U9	4096	0,9	IX24B	5376
1200 CC – ZR 1200-A (ZRX 1200R)			01 > 05	U27ETR	4155	0,7	IU27A	5366
1200 CC – ZX 1200 B6F (NINJA ZX-12R)			06 > 06	-			IU27A	5366
1200 CC – ZX 1200-A/-B (NINJA ZX-12R)			00 > 05	-		0,7	IU27A	5366
1200 CC – ZX 1200-C (ZZR 1200)			02 > 05	U27ESR-N	4131	0,8	IU27	5363
1300 CC – Z 1300 (A1)	74-88		78 > 79	W24ESR-U	4033	0,7	IW24	5316
1300 CC – Z 1300 ../DFI (A2, A3)	74-96	ENG 003463 ->	80 > 87	W20EPR-U	3047	0,8	IW20	5306
1300 CC – ZG 1300 G (A1-A3) / ZN 1300				W20EPR-U	3047	0,8	IW20	5306
1352 CC – GTR 1400			07 >	-		0,9	IU27D	5390
1352 CC – ZG 1400 CONCOURS 14			08 > 10	-		0,9	IU27D	5390
1352 CC – ZG 1400 CONCOURS 14 ABS			08 >	-		0,9	IU27D	5390
1352 CC – ZX 1400 NINJA ZX-14			06 >	-		0,9	IU27D	5390
1352 CC – ZZR 1400 (NINJA ZX-14)			06 >	-		0,9	IU27D	5390
1470 CC – VN 1500-A VULCAN 88 / VULCAN 1500		TWIN SPARK	87 > 99	X22EPR-U9	4086	0,8	IX22B	5375
1470 CC – VN 1500-B VULCAN 88 SE		TWIN SPARK	87 > 90	X22EPR-U9	4086	0,8	IX22B	5375
1470 CC – VN 1500-C VULCAN 1500 L		TWIN SPARK	96 > 97	X22EPR-U9	4086	0,8	IX22B	5375
1470 CC – VN 1500-D VULCAN 1500 CLASSIC		TWIN SPARK	96 > 97	X22EPR-U9	4086	0,8	IX22B	5375
1470 CC – VN 1500-E VULCAN 1500 CLASSIC		TWIN SPARK	98 > 04	X16EPR-U9	4190	0,9	-	
1470 CC – VN 1500-G VULCAN 1500 NOMAD		TWIN SPARK	99 > 01	X16EPR-U9	4190	0,9	-	
1470 CC – VN 1500-J VULCAN 1500 DRIFTER		TWIN SPARK	99 > 00	X20EPR-U9	4125	0,9	IX22B	5375
1470 CC – VN 1500-L VULCAN 1500 NOMAD FI		TWIN SPARK	00 > 04	X20EPR-U9	4125	0,9	IX22B	5375
1470 CC – VN 1500-N VULCAN 1500 CLASSIC FI		TWIN SPARK	00 > 05	X20EPR-U9	4125		IX22B	5375
1470 CC – VN 1500-P VULCAN 1500 MEAN STREAK		TWIN SPARK	02 > 03	X22EPR-U9	4086		IX22B	5375
1470 CC – VN 1500-R VULCAN 1500 DRIFTER		TWIN SPARK	01 > 05	X22EPR-U9	4086		IX22B	5375
1470 CC – VN 1500-T6F/-N8FA VULCAN 1500 CLASSIC		TWIN SPARK	06 > 08	X20EPR-U9	4125		IX22B	5375
1552 CC – VN 1600 VULCAN 1600 CLASSIC		TWIN SPARK	03 > 08	X20EPR-U9	4125	0,9	IX22B	5375
1552 CC – VN 1600 VULCAN 1600 MEAN STREAK		TWIN SPARK	04 > 08	X20EPR-U9	4125	0,9	IX22B	5375









	KW			Standard			Alternative	
								
KAWASAKI <i>continued</i>								
1552 CC – VN 1600 VULCAN 1600 NOMAD		TWIN SPARK	05 > 08	X20EPR-U9	4125	0,9	IX22B	5375
1700 CC – VN 1700 VULCAN 1700 CLASSIC / -LT			09 >	-		1,1	VFXEH22	5646
1700 CC – VN 1700 VULCAN 1700 NOMAD			09 >	-		1,1	VFXEH22	5646
1700 CC – VN 1700 VULCAN 1700 VAQUERO			11 >	-		1,1	VFXEH22	5646
1700 CC – VN 1700 VULCAN 1700 VOYAGER / -ABS			09 >	-		1,1	VFXEH22	5646
2053 CC – VN 2000 VULCAN 2000 / -LIMITED			04 > 09	VKJ20RZ-M11	5633	1,1	VK20	5604
2053 CC – VN 2000 VULCAN 2000 CLASSIC / -LT			06 > 10	VKJ20RZ-M11	5633	1,1	VK20	5604
KEEWAY								
50 CC – EASY		25 KM/H & 45 KM/H		W22ESR-U	3098	0,8	-	
50 CC – F.O.C. 50		25 KM/H & 45 KM/H		W22ESR-U	3098	0,8	-	
50 CC – F-ACT 50	2.6			W24FR-L	4154	0,6	IWF24	5380
50 CC – FLASH 50	2.6	25 KM/H & 45 KM/H	06 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – FOCUS 50	2.6			W24FR-L	4154	0,6	IWF24	5380
50 CC – HURRICANE 50	2.6			W24FR-L	4154	0,6	IWF24	5380
50 CC – K1 - 50	2.6		07 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – MATRIX 50	2.6			W24FR-L	4154	0,6	IWF24	5380
50 CC – MATRIX 50 RACING SPORT	2.6			W24FR-L	4154	0,6	IWF24	5380
50 CC – PIXEL 50	2.6		07 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – RY 8	2.6			W24FR-L	4154	0,6	IWF24	5380
50 CC – X-RAY 50 ENDURO	4.7		06 >	W24ESR-U	4033	0,8	IW24	5316
50 CC – X-RAY 50 SUPERMOTO	4.7		06 >	W24ESR-U	4033	0,8	IW24	5316
125 CC – ARN 125	5.1			U20FSR-U	4004	0,6	IUF22	5383
125 CC – F-ACT 125	6.2			U22FSR-U	4008	0,7	IUF22	5383
125 CC – MATRIX 125	5.2			U20FSR-U	4004	0,6	IUF22	5383
125 CC – MATRIX 125 RACING SPORT	6.2			U22FSR-U	4008	0,7	IUF22	5383
125 CC – OUTLOOK 125	7.8		06 >	X22ESR-U	4091	0,6	IX22	5371
125 CC – SILVER BLADE 125			07 >	X22ESR-U	4091	0,6	IX22	5371
125 CC – SPEED 125	8.1			X22ESR-U	4091	0,6	IX22	5371
125 CC – SUPERLIGHT 125	7.0-8.0		06 >	X22ESR-U	4091	0,6	IX22	5371
150 CC – SPEED 150	9.5			X22ESR-U	4091	0,6	IX22	5371
150 CC – SUPERLIGHT 150	9.5			X22ESR-U	4091	0,6	IX22	5371
KREIDLER								
50 CC – FLORETT		<NL, B, DK>	73 > 83	W20FSR-U	6053	0,5	IWF22	5379
50 CC – FLORETT 25			96 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – FLORETT 50			96 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – FLORETT GT / TM	1.5-1.5		73 > 83	W22FS-U	4025	0,5	IWF22	5379
50 CC – FLORETT RMC / LF	1.5-1.5		73 > 83	W20FSR-U	6053	0,5	IWF22	5379
50 CC – FLORETT RS / RM B15.25	4-4.6		73 > 83	W24FS-U	4038	0,5	IWF24	5380
50 CC – FLORY (MF12/MF13/MF23)			79 > 83	W20FSR-U	6053	0,4	IWF22	5379
50 CC – FLORY 25			96 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – FLORY 50			96 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – MF 2 / -C / -CL / MF 4/4 / MF 8 / MF 11			72 > 82	W20FSR-U	6053	0,5	IWF22	5379
50 CC – MF 21		<CH>	76 > 82	W16FS-U	3034	0,5	IWF16	5359
50 CC – MK			96 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – MOKICK 40 K54 / -517			72 > 83	W22FS-U	4025	0,5	IWF22	5379
50 CC – MP 1 / 2 / 3 / 7 / 8 / 19			72 > 83	W20FSR-U	6053	0,5	IWF22	5379
50 CC – RMC E/F 25/50			07 >	W22FPR-U	4022	0,7	IWF22	5379
80 CC – MUSTANG K54 / -512 / FLORETT			81 > 83	W24FS-U	4038	0,4	IWF24	5380
125 CC – ENDURO 125			07 >	U24ESR-N	4126	0,7	IU24	5362
125 CC – RMC F 125			07 >	U22FSR-U	4008	0,6	IUF22	5383
125 CC – SUPERMOTO 125			07 > 09	U24ESR-N	4126	0,7	IU24	5362
125 CC – SUPERMOTO 125 DD			10 >	U24ESR-N	4126	0,7	IU24	5362
KTM								
50 CC – 50 GP			81 >	W22FS-U	4025	0,5	IWF22	5379
50 CC – 50 GXE				W27ESR-U	4045	0,5	IW27	5317
50 CC – 50 GXR				-		0,5	IW27	5317
50 CC – 50 ME			81 >	W22FS-U	4025	0,5	IWF22	5379
50 CC – 50 MINI ADVENTURE / SXR 50			98 >	W24FSR	4037	0,5	IWF24	5380
50 CC – 50 MLS				W20FSR-U	6053	0,5	IWF22	5379
50 CC – 50 MMS				W22FS-U	4025	0,5	IWF22	5379
50 CC – 50 MS			81 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – 50 RSL				W22FS-U	4025	0,5	IWF22	5379
50 CC – 50 SX			08 > 09	U24FSR-U	4010	0,7	IUF24	5384
50 CC – 50 SX PRO (JUNIOR/SENIOR)		LC (L=19.0MM THREAD)	03 >	W24EMR-C	4198	0,7	IWM24	5391
50 CC – 50 SX PRO (JUNIOR/SENIOR)		LC (L=19.0MM THREAD)	98 > 02	-		0,6	IW31	5319
50 CC – BORA 25			81 >	W20FPR-U	3070	0,6	IWF20	5378
50 CC – BORA 50			81 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – CHRONO (502)	2.6		94 >	W22FSR	4024	0,7	IWF22	5379









	KW			Standard			Alternative	
								
KTM continued								
50 CC – COMET			76 >	W20FSR-U	6053	0,6	IWF22	5379
50 CC – CRAZY		<CH>		W16FPR-U	4192	0,5	IWF16	5359
50 CC – FOXI				W16FS-U	3034	0,5	IWF16	5359
50 CC – FOXI		<DK>		W22FS-U	4025	0,6	IWF22	5379
50 CC – GO 50 (EDITION)	2.6		94 >	W22FSR	4024	0,7	IWF22	5379
50 CC – HOBBY			81 >	W20EPR-U	3047	0,6	IW20	5306
50 CC – K 50			96 >	W22FSR	4024	0,7	IWF22	5379
50 CC – ORNETT				W20FSR-U	6053	0,5	IWF22	5379
50 CC – PONY			81 >	W16FS-U	3034	0,6	IWF16	5359
50 CC – PONY		<CH>	81 >	W22FS-U	4025	0,6	IWF22	5379
50 CC – POSTMOFA				W20EPR-U	3047	0,6	IW20	5306
50 CC – SM 25			81 > 90	W20FSR-U	6053	0,6	IWF22	5379
50 CC – SM 25 L			90 >	W16FPR-U	4192	0,5	IWF16	5359
50 CC – SQUADRA				W20EPR-U	3047	0,5	IW20	5306
60 CC – 60 SX			99 >	-		0,6	IK31	
65 CC – 65 SX			01 > 02	-		0,6	IW31	5319
65 CC – 65 SX			09 >	U20FSR-U	4004	0,6	IUF22	5383
65 CC – 65 SX			99 >	-		0,6	IK31	
65 CC – 65 SX / 65 LS		LIQUID COOLED	02 > 08	W24EMR-C	4198	0,7	IWM24	5391
80 CC – 80 CHOPPER			81 >	W27FS-U	4052	0,6	IWF27	5381
80 CC – 80 IMX / IGS / ENDURO				-		0,6	IW31	5319
80 CC – 80 MX			89 > 92	-		0,7	IW34	5320
80 CC – 80 PL			83 > 85	W24FS-U	4038	0,6	IWF24	5380
80 CC – 80 RL / RS / BORA 80			81 >	W24FS-U	4038	0,6	IWF24	5380
80 CC – 80 RLS / RLW			80 >	W27FS-U	4052	0,6	IWF27	5381
85 CC – 85 IGS / IMX				-		0,6	IW31	5319
85 CC – 85 SX			04 >	-		0,7	IWM31	5393
100 CC – MC 100 / GS 100			73 > 77	-		0,7	IWF27	5381
105 CC – 105 SX			04 >	-		0,7	IWM31	5393
125 CC – 125 EGS			93 > 97	-		0,6	IW31	5319
125 CC – 125 EGS			98 >	-		0,6	IW01-24	5713
125 CC – 125 EXC			01 >	-		0,6	IW27	5317
125 CC – 125 EXC			93 > 97	-		0,6	IW31	5319
125 CC – 125 EXC			98 > 00	-		0,6	IW01-24	5713
125 CC – 125 MX / TXC / ENDURO				-		0,6	IW31	5319
125 CC – 125 SX			01 >	-		0,7	IW24	5316
125 CC – 125 SX			02 >	W27ESR-V	4049	0,6	IW27	5317
125 CC – 125 SX			93 > 95	-		0,6	IW31	5319
125 CC – 125 SX			96 > 97	-		0,6	IW31	5319
125 CC – 125 SX			98 > 00	-		0,6	IW01-24	5713
125 CC – GS 125		(L=12.7MM THREAD)		W24FS-U	4038	0,7	IWF24	5380
125 CC – GS 125		(L=19.0MM THREAD)		-		0,7	IW31	5319
125 CC – GS 125 VC			87 > 92	-		0,7	IW34	5320
125 CC – LC 2 125		MINARELLI	96 >	W27ESR-U	4045	0,6	IW27	5317
125 CC – MC 125		(L=12.7MM THREAD)		W24FS-U	4038	0,7	IWF24	5380
125 CC – MC 125		(L=19.0MM THREAD)		W27FS-U	4052	0,7	IWF27	5381
125 CC – MC 125 GP				W31FS	4065	0,7	-	
125 CC – MX 125 VC			87 > 92	-		0,7	IW34	5320
144 CC – 144 SX			07 >	-		0,6	IWM27	5392
175 CC – GS 175				W24FS-U	4038	0,7	IWF24	5380
175 CC – MC 175				W24FS-U	4038	0,7	IWF24	5380
200 CC – 200 EGS			98 >	W24ESR-V	4035	0,6	IW24	5316
200 CC – 200 EXC			10 >	W24ESR-V	4035		IW24	5316
200 CC – 200 EXC / 200 MXC			00 > 01	W27ESR-V	4049	0,6	IW27	5317
200 CC – 200 EXC / 200 MXC			02 >	W24ESR-V	4035	0,6	IW24	5316
200 CC – 200 EXC / 200 MXC			98 > 99	W24ESR-V	4035	0,6	IW24	5316
200 CC – 200 XC/200 XC-W			06 >	W24ESR-V	4035	0,6	IW24	5316
250 CC – 250 DXC				-		0,7	IW27	5317
250 CC – 250 EGS			93 > 96	-		0,7	IW27	5317
250 CC – 250 EGS			97 >	W24EMR-C	4198	0,7	IWM24	5391
250 CC – 250 ENDURO				-		0,7	IW31	5319
250 CC – 250 EXC			10 >	W22ESR-U	3098		-	
250 CC – 250 EXC			93 > 95	-		0,7	IW27	5317
250 CC – 250 EXC			96 >	-		0,7	IW24	5316
250 CC – 250 EXC			97 > 09	W24EMR-C	4198	0,8	IWM24	5391
250 CC – 250 EXC (E-STARTER)			10 >	W22ESR-U	3098	0,8	-	
250 CC – 250 EXC / 250 RACING			02 >	U24ETR	4158	0,7	IU24A	5365
250 CC – 250 EXC / 250 RACING			03 >	XU24EPR-U	3180	0,7	IXU24	5309




	KW			Standard			Alternative	
								
KTM continued								
250 CC – 250 EXC / SIX DAYS			10 >	W22ESR-U	3098	0,8	-	
250 CC – 250 EXC ENDURO COMPETITION			03 >	W22ESR-U	3098	0,7	IW22	5307
250 CC – 250 EXC SIX DAYS			10 >	W22ESR-U	3098	0,8	-	
250 CC – 250 EXC-F / SIX DAYS	37		07 >	U27ETR	4155	0,7	IU27A	5366
250 CC – 250 MX				-		0,7	IW27	5317
250 CC – 250 SX			10 >	W24EMR-C	4198	0,8	IWM24	5391
250 CC – 250 SX			93 > 95	-		0,7	IW27	5317
250 CC – 250 SX			96 >	-		0,7	IW24	5316
250 CC – 250 SX / 250 SXC			97 >	W24EMR-C	4198	0,7	IWM24	5391
250 CC – 250 SX / SX-F			05 >	U27ESR-NB	4224	0,7	IU27	5363
250 CC – 250 SX-F FACTORY REPL. MUSQUIN EDITION			10 >	-		0,7	IU27	5363
250 CC – 250 TXC				-		0,7	IW27	5317
250 CC – 250 XC			10 >	W22ESR-U	3098	0,8	-	
250 CC – 250 XC-FIXCF-W/ EXC-F			07 > 08	-			IU27A	5366
250 CC – 250 XCF-W			10 >	-		0,7	IU27A	5366
250 CC – 250 XCF-W CHAMPION S EDITION			10 >	-		0,7	IU27	5363
250 CC – 250 XC-W			10 >	W22ESR-U	3098	0,8	-	
250 CC – GS 250		(L=12.7MM THREAD)		W27FS-U	4052	0,7	IWF27	5381
250 CC – GS 250		(L=19.0MM THREAD)		-		0,7	IW27	5317
250 CC – MC 250		(L=12.7MM THREAD)		W27FS-U	4052	0,7	IWF27	5381
250 CC – MC 250		(L=19.0MM THREAD)		-		0,7	IW27	5317
250 CC – MC 250 GP		(L=12.7MM THREAD)		W27FS-U	4052	0,7	IWF27	5381
250 CC – MC 250 GP		(L=19.0MM THREAD)		W27ESR-V	4049	0,7	IW27	5317
300 CC – 300				-		0,7	IW31	5319
300 CC – 300 DXC			90 >	-		0,7	IW27	5317
300 CC – 300 EGS			93 > 97	-		0,7	IW27	5317
300 CC – 300 EXC			93 > 95	-		0,7	IW27	5317
300 CC – 300 EXC			96 > 97	-		0,7	IW24	5316
300 CC – 300 EXC / EGS / MXC			97 >	W24EMR-C	4198	0,7	IWM24	5391
300 CC – 300 EXC / MXC			03 >	W22ESR-U	3098	0,6	IW22	5307
300 CC – 300 EXC / SIX DAYS			10 >	W22ESR-U	3098	0,8	-	
300 CC – 300 EXC ENDURO COMPETITION			03 >	W22ESR-U	3098	0,7	-	
300 CC – 300 GS			90 >	-		0,7	IW27	5317
300 CC – 300 LC		<I>	> 98	-		0,7	IW31	5319
300 CC – 300 MX			> 98	-		0,7	IW27	5317
300 CC – 300 SX			93 > 98	-		0,7	IW27	5317
300 CC – 300 SX			97 >	W24EMR-C	4198	0,7	IWM24	5391
300 CC – 300 TX				-		0,7	IW27	5317
300 CC – 300 XC			10 >	W22ESR-U	3098	0,8	-	
300 CC – 300 XC-W			10 >	W22ESR-U	3098	0,8	-	
350 CC – 350 GS / 350 MX				-		0,7	IW27	5317
350 CC – LC 4 / GS 350 / 350 EGS / 350 EXC	18-30		93 >	X24ESR-U	4101	0,6	IX24	5372
360 CC – 360 EXC / EGS / MXC / SX			97 >	W24EMR-C	4198	0,7	IWM24	5391
360 CC – 360 SX			96 > 97	-		0,6	IW24	5316
380 CC – 380 EXC / EGS / SX			97 >	W24EMR-C	4198	0,7	IWM24	5391
390 CC – 390				-		0,7	IW27	5317
400 CC – 400 EXC / 400 SX		(Ø 12MM THREAD)	03 >	XU24EPR-U	3180	0,7	IXU24	5309
400 CC – 400 EXC / 400 SX			99 > 02	U24ETR	4158	0,7	IU24A	5365
400 CC – 400 MXC		(Ø 12MM THREAD)	02 >	XU24EPR-U	3180	0,7	IXU24	5309
400 CC – 400 MXC			99 > 02	U24ETR	4158	0,7	IU24A	5365
400 CC – GS 400				W27FS-U	4052	0,7	IWF27	5381
400 CC – LC 4 400 (E)			03 >	XU24EPR-U	3180	0,7	IXU24	5309
400 CC – LC 4 400 EGS / EXC / SXC			93 > 98	X24ESR-U	4101	0,6	IX24	5372
400 CC – LC 4 400 EGS / EXC / SXC	25-37		98 > 01	X24ESR-U	4101	0,7	IX24	5372
400 CC – LC4 400 SC / SX / SXC / (SUPERCOMPETITION)			96 >	X24ESR-U	4101	0,6	IX24	5372
400 CC – MC 400 .. / GP				W27FS-U	4052	0,7	IWF27	5381
420 CC – 420				-		0,7	IW27	5317
440 CC – 440 EXC / SX			94 >	-		0,6	IW27	5317
450 CC – 450 EXC / 450 SX			03 >	XU24EPR-U	3180	0,7	IXU24	5309
450 CC – 450 MXC			03 >	XU24EPR-U	3180	0,7	IXU24	5309
450 CC – 450 SMR			04 >	XU24EPR-U	3180	0,7	IXU24	5309
450 CC – 450 SX-F			06 >	U27ETR	4155		IU27A	5366
450 CC – 450 SX-F / FACTORY REPL. NAGL EDITION			10 >	-			IU27A	5366
495 CC – 495 / 495 GS			82 >	W27ESR-V	4049	0,6	IW27	5317
500 CC – 500 4 TGS / TXC				X27EPR-U9	4111	0,9	IX27B	5377









	KW			Standard			Alternative	
								
KTM continued								
500 CC – 500 DXC / EXC				W27ESR-U	4045	0,6	IW27	5317
500 CC – 500 MX				-		0,6	IW27	5317
500 CC – 500 SX				W31ESR-U	4176	0,6	IW31	5319
500 CC – 505 SX-F			06 >	U27ETR	4155	0,7	IU27A	5366
500 CC – GS 500		2-STROKE		-		0,6	IW31	5319
500 CC – GS 500		4-STROKE		X24ESR-U	4101	0,6	IX24	5372
500 CC – MC 500		2-STROKE		-		0,6	IW31	5319
500 CC – MC 500		4-STROKE		X24ESR-U	4101	0,6	IX24	5372
510 CC – 520 EXC / 520 SX		LIQUID COOLED	03 >	XU24EPR-U	3180	0,7	IXU24	5309
510 CC – 520 EXC / 520 SX		LIQUID COOLED	99 > 02	U24ETR	4158	0,7	IU24A	5365
510 CC – 520 MXC		LIQUID COOLED	99 > 02	U24ETR	4158	0,7	IU24A	5365
510 CC – 525 XC DESERT RACING			07 > 07	XU24EPR-U	3180	0,6	IXU24	5309
525 CC – 525 EXC / 525 SX / 525 MXC			03 >	XU24EPR-U	3180	0,7	IXU24	5309
525 CC – 525 SMR			04 >	XU24EPR-U	3180	0,7	IXU24	5309
525 CC – 525 XC/XC-W			07 > 08	XU24EPR-U	3180		IXU24	5309
540 CC – 540 DXC				-		0,7	IW31	5319
540 CC – 540 MX				W27ESR-U	4045	0,7	IW27	5317
540 CC – 540 SXC / 540 LC 4				X24ESR-U	4101	0,7	IX24	5372
540 CC – 540 SXS			02 >	U24ETR	4158	0,7	IU24A	5365
565 CC – 560 SMR			06 >	XU24EPR-U	3180	0,7	IXU24	5309
600 CC – 600 4 TGS / TMX / TXC				X27EPR-U9	4111	0,9	IX27B	5377
600 CC – 600 MX / COUNTRY / ENDURO				X24ESR-U	4101	0,7	IX24	5372
600 CC – LC 4 600 EGS / EXC			93 >	X24ESR-U	4101	0,7	IX24	5372
600 CC – LC 4 ENDURO	17-36		87 > 93	X24ESR-U	4101	0,7	IX24	5372
609 CC – 620 SC / SX			96 >	X24ESR-U	4101	0,6	IX24	5372
609 CC – DUKE 620			94 >	X24ESR-U	4101	0,6	IX24	5372
609 CC – DUKE 640 (640 LC4-E)			99 >	X24EPR-U9	4096	0,9	IX24B	5376
609 CC – LC 4 620 (SUPER)COMPETITION			99 >	X24EPR-U9	4096	0,9	IX24B	5376
609 CC – LC 4 620 COMPETITION			98 > 99	X24ESR-U	4101	0,7	IX24	5372
609 CC – LC 4 620 EGS / EXC / LSE			94 >	X24ESR-U	4101	0,6	IX24	5372
609 CC – LC 4 620 SX / SC			94 >	X24ESR-U	4101	0,6	IX24	5372
612 CC – LC 4 612 EGS / EXC			93 >	X24ESR-U	4101	0,6	IX24	5372
625 CC – 625 SMC	21		05 >	XU24EPR-U	3180	0,6	IXU24	5309
625 CC – DUKE 640 II	40		00 >	X24EPR-U9	4096	0,9	IX24B	5376
625 CC – DUKE II (LC 4)		(Ø 12MM THREAD)	02 >	XU24EPR-U	3180	0,7	IXU24	5309
625 CC – LC 4 640 ADVENTURE (R) / LC 4-E			03 >	XU24EPR-U	3180	0,7	IXU24	5309
625 CC – LC 4 640 ADVENTURE-R	25-37		98 > 00	X24ESR-U	4101	0,7	IX24	5372
625 CC – LC 4 640 SUPERMOTO			02 >	XU24EPR-U	3180	0,7	IXU24	5309
625 CC – LC 4 640 SUPERMOTO / DUKE-E	25-37		98 >	X24ESR-U	4101	0,7	IX24	5372
625 CC – LC 4 E 640			00 >	X24EPR-U9	4096	0,9	IX24B	5376
654 CC – 660 SMC	21		05 >	XU24EPR-U	3180	0,6	IXU24	5309
654 CC – 690 SUPERMOTO	47		06 >	XU24EPR-U	3180	0,7	IXU24	5309
654 CC – LC 4 660 RALLYE	48		99 > 01	X24ESR-U	4101	0,7	IX24	5372
654 CC – LC 4 660 RALLYE / SUPERMOTO			01 > 02	X24EPR-U9	4096	0,9	IX24B	5376
654 CC – LC 4 660 RALLYE / SUPERMOTO			02 >	XU24EPR-U	3180	0,7	IXU24	5309
654 CC – LC 4 660 RALLYE / SUPERMOTO			03 >	X27ESR-U	4116	0,7	IX27	5373
950 CC – 950 ADVENTURE / S			03 >	U24ETR	4158	0,7	IU24A	5365
950 CC – 950 SUPER ENDURO / R			06 >	U24ETR	4158	0,7	IU24A	5365
950 CC – 950 SUPERMOTO			05 >	U24ETR	4158	0,7	IU24A	5365
950 CC – LC 8 950 RALLY			01 >	U24ETR	4158	0,7	IU24A	5365
1000 CC – 990 (SUPER)DUKE			04 >	XU24EPR-U	3180	0,7	IXU24	5309
1000 CC – 990 ADVENTURE S			06 >	XU24EPR-U	3180	0,7	IXU24	5309
1000 CC – 990 SUPERDUKE R	88	990 LC8	07 >	-		0,8	IXU24	5309
1000 CC – 990 SUPERMOTO			07 >	XU24EPR-U	3180	0,6	IXU24	5309
KYMCO								
50 CC – AGILITY 50 / R10 / R12 / R16 / MMC	2.4-3.5		05 >	U22FSR-U	4008	0,7	IUF22	5383
50 CC – CALYPSO 50			97 >	W24FSR	4037	0,6	IWF24	5380
50 CC – COBRA 50 / CROSS 50 / -RACING			97 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – CSX 50				W24FR-L	4154	0,6	IWF24	5380
50 CC – CURIO				W24FR-L	4154	0,6	IWF24	5380
50 CC – CX 50 / SUPER	3.5		94 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – DINK 50 2T		2-STROKE	99 > 06	W24FR-L	4154	*	IWF24	5380
50 CC – DINK 50 4T			06 >	U22FSR-U	4008	*	IUF22	5383
50 CC – DINK 50 LC / BET&WIN LC	2.5	LIQUID COOLED		W24FR-L	4154	0,6	IWF24	5380
50 CC – DJ 50 / DJ REFINED 50				W24FR-L	4154	0,6	IWF24	5380
50 CC – DJW 50 W / X / Y			93 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – FEVER (ZX)			96 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – FILLY 50 / EASY 50	2.6		95 >	U22FSR-U	4008	0,6	IUF22	5383









	KW			Standard			Alternative	
								
KYMCO continued								
50 CC – GS7E - MOVIE				W20FR-L	4161	0,6	IWF20	5378
50 CC – HEROISM 50			95 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – K 12 / KB / SPORT			95 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – KA 50 / KA 50 G				W20FR-L	4161	0,6	IWF20	5378
50 CC – LIKE 50 2T		2-STROKE	09 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – LIKE 50 4T			09 >	U22FSR-U	4008	0,6	IUF22	5383
50 CC – NEXXON 50				U22FSR-U	4008	0,6	IUF22	5383
50 CC – PEOPLE 50			99 >	W24FPR	4154	0,6	IWF24	5380
50 CC – PEOPLE S 50 2T			99 >	W24FPR-L			IWF24	5380
50 CC – PEOPLE S 50 4T			06 >	U22FSR-U	4008		IUF22	5383
50 CC – SCOUT 50 / KB 50			95 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – SENTO 50			09 >	U22FSR-U	4008	*	IUF22	5383
50 CC – SNIPER / SPACER			95 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – SOONER 50 (RS)			03 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – SUPER 8 50 2T	2.4		09 >	W24FR-L	4154	0,7	IWF24	5380
50 CC – SUPER 8 50 4T			08 >	U22FSR-U	4008	*	IUF22	5383
50 CC – SUPER 9 A/C / -SPORTS		LIQUID COOLED	01 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – SUPER 9 L/C		AIR COOLED	01 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – TOP BOY 50			97 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – VITALITY 50 2T	2.9	2-STROKE	05 >	W24FR-L	4154	0,7	IWF24	5380
50 CC – VITALITY 50 4T	2.6	4-STROKE	05 >	U22FSR-U	4008	0,7	IUF22	5383
50 CC – VITALITY 50 CROSS				W24FR-L	4154	0,6	IWF24	5380
50 CC – VITALITY 50 SPORTS				W24FR-L	4154	0,6	IWF24	5380
50 CC – YAGER 50			01 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – YUP 50	2.5		00 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – ZX 50			98 >	W24FR-L	4154	0,6	IWF24	5380
100 CC – COBRA RACER			99 >	W24FR-L	4154	0,6	IWF24	5380
100 CC – TOP BOY 100 / SOONER 100			99 >	W24FR-L	4154	0,6	IWF24	5380
110 CC – ACTIV 110	4.8			U22FSR-U	4008	0,7	IUF22	5383
125 CC – AGILITY 125	6.9		05 >	U22FSR-U	4008	0,7	IUF22	5383
125 CC – CALYPSO 125			97 >	U22FSR-U	4008	0,6	IUF22	5383
125 CC – DINK 125	8,0 - 8,3		99 >	X22EPR-U9	4086	0,9	IX22B	5375
125 CC – DOWNTOWN 125 I			09 >	U22ESR-N	4174	0,7	IU22	5361
125 CC – GRAND DINK 125 S / 4T			99 >	X22EPR-U9	4086	0,9	IX22B	5375
125 CC – HEROISM 125			95 >	U22FSR-U	4008	0,6	IUF22	5383
125 CC – HIPSTER 125	8.9	2V	01 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – HIPSTER 125	8.9	4V	01 >	U24ESR-N	4126	0,7	IU24	5362
125 CC – LIKE 125			09 >	U22FSR-U	4008	0,6	IUF22	5383
125 CC – MOVIE 125			97 >	U22FSR-U	4008	0,6	IUF22	5383
125 CC – PEOPLE 125 GTI			10 >	U22FSR-U	4008	0,6	IUF22	5383
125 CC – PEOPLE 125 S	6,8 - 7,1		05 >	U22FSR-U	4008	0,7	IUF22	5383
125 CC – PULSAR 125			01 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – QUANNON 125			07 >	U24ESR-N	4126	0,7	IU24	5362
125 CC – QUANNON 125 NAKED			10 >	U24ESR-N	4126	0,7	IU24	5362
125 CC – SPACER 125			98 >	X22EPR-U9	4086	0,9	IX22B	5375
125 CC – SPIKE 125 / 125R	6.2			U22FSR-U	4008	0,7	IUF22	5383
125 CC – STRAIGHT 125	7			U22FSR-U	4008	0,7	IUF22	5383
125 CC – STRYKER 125	7.6		99 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – SUPER 8 125			08 >	U22FSR-U	4008	*	IUF22	5383
125 CC – YAGER 125	8,0 - 8,3		01 >	X22EPR-U9	4086	0,9	IX22B	5375
125 CC – YAGER GT 125			07 >	X22EPR-U9	4086	0,9	IX22B	5375
125 CC – ZING II			08 >	U24ESR-N	4126	0,7	IU24	5362
125 CC – ZING II 125	8.6		97 >	X24ESR-U	4101	0,7	IX24	5372
150 CC – AGILITY CITY 150			08 >	U22FSR-U	4008	*	IUF22	5383
150 CC – DINK 150 / GRAND DINK 150	8,7 - 9,5			X22EPR-U9	4086	0,9	IX22B	5375
150 CC – DINK 200 I DD			08 >	X20EPR-U9	4125	0,9	IX22B	5375
150 CC – HEROISM 150			95 >	U22FSR-U	4008	0,6	IUF22	5383
150 CC – MOVIE S 150I			97 >	U22FSR-U	4008	0,6	IUF22	5383
150 CC – PEOPLE 150	7.3			U22FSR-U	4008	0,7	IUF22	5383
150 CC – SUPER 8 150			09 >	U22FSR-U	4008	*	IUF22	5383
200 CC – AGILITY CITY 200I				U22FSR-U	4008	*	IUF22	5383
200 CC – DOWNTOWN 200I			09 >	U22ESR-N	4174	0,7	IU22	5361
200 CC – LIKE 200I			09 >	U22FSR-U	4008	0,6	IUF22	5383
200 CC – NEW DINK 200I	11.2		08 >	X20EPR-U9	4125	0,9	IX22B	5375
200 CC – PEOPLE GT 200I			10 >	U22ESR-N	4174	0,7	IU22	5361
200 CC – PEOPLE S 200I / S 200 DD	8.5		07 >	U22FSR-U	4008	0,7	IUF22	5383
200 CC – YAGER GT 200I	11.2		07 >	X20EPR-U9	4125	0,9	IX22B	5375
250 CC – BET&WIN 250				X22EPR-U9	4086		IX22B	5375









	KW			Standard			Alternative	
								
KYMCO continued								
250 CC – DINK 250 4T	14.5		99 >	X22EPR-U9	4086	0,9	IX22B	5375
250 CC – PEOPLE S 250I	14.4		07 >	X20EPR-U9	4125	0,9	IX22B	5375
250 CC – VENOX 250	20,1 - 20,2		01 >	X22EPR-U9	4086	0,9	IX22B	5375
250 CC – VENOX 250I	21.8	INJECTION		U24FSR-U	4010	0,7	IUF24	5384
250 CC – XCITING 250 CARB.	14.8			X22EPR-U9	4086	0,9	IX22B	5375
250 CC – XCITING 250I	16.2	INJECTION	07 >	X20EPR-U9	4125	0,9	IX22B	5375
300 CC – DOWNTOWN 300I			09 >	U22ESR-N	4174	0,7	IU22	5361
300 CC – PEOPLE GT 300I			10 >	U22ESR-N	4174	0,7	IU22	5361
300 CC – PEOPLE S 300I			08 >	X20EPR-U9	4125	0,9	IX22B	5375
300 CC – XCITING RI 300			09 >	X20EPR-U9	4125	0,9	IX22B	5375
500 CC – XCITING 500	27.9		05 >	U24ESR-N	4126	0,7	IU24	5362
500 CC – XCITING RI 500	27.9	INJECTION	07 >	U22ESR-N	4174	0,7	IU22	5361
LAMBRETTA								
SCOOTER 125 -> 200 CC			60 > 86	W22ESR-U	3098	0,5	-	
50 CC – PUMA CROSS / TRIAL				W20FSR-U	6053	0,5	IWF22	5379
75 CC – COMETA / -7 SL / VEGA / -S				W22ESR-U	3098	0,5	-	
LAURA-MOTOREN N.V.								
50 CC – F38 / M13 /-19 /-21 /-22 /-23 /-47 /-48 /-54				W20FSR-U	6053	0,5	IWF22	5379
LAVALETTE								
ALL MODELS 50CC / 60CC / 100CC / 125CC				W20FSR-U	6053	0,5	IWF22	5379
LAVERDA								
AMERICAN EAGLE				W27ESR-U	4045	0,5	IW27	5317
TWINS			68 > 78	W27ESR-U	4045	0,5	IW27	5317
60 CC – SCOOTER				W20FSR-U	6053	0,5	IWF22	5379
125 CC – AMERICA / ENDURO / SPORT / TOLEDO				W24ESR-U	4033	0,5	IW24	5316
125 CC – CU125 RIDE / GS125 / LB / LB1 / LESMO			84 >	W24ESR-U	4033	0,5	IW24	5316
125 CC – CUSTOM / STRADA / NAVARRO / GSR			84 >	W27ESR-U	4045	0,5	IW27	5317
125 CC – LB 125 UNO				W24ESR-U	4033	0,5	IW24	5316
175 CC – 175 LZ				W27ESR-U	4045	0,5	IW27	5317
200 CC – SCOOTER / TRIAL				W24ESR-U	4033	0,5	IW24	5316
250 CC – 250 / -2T / -2TR / -LH2 / -REGOLARITA				W27ESR-U	4045	0,5	IW27	5317
350 CC – 350 ALPINO				XU24EPR-U	3180	0,5	IXU24	5309
500 CC – 500 ALPINO, MONTJUICH			76 >	XU24EPR-U	3180	0,5	IXU24	5309
600 CC – OR600 ATLAS / CR600 CRUISER			86 >	XU27EPR-U	3313	0,6	IXU27	5337
668 CC – 650 BICINDRICO / HIDALGO 668			90 >	XU24EPR-U	3180	0,6	IXU24	5309
668 CC – 650 I.E.			93 >	XU27EPR-U	3313	0,6	IXU27	5337
668 CC – 650 SPORT / FORMULA / GHOST ..	47-60		95 >	XU27EPR-U	3313	0,6	IXU27	5337
668 CC – 668	47-60		96 >	XU27EPR-U	3313	0,6	IXU27	5337
700 CC – EL CID 700			90 >	XU24EPR-U	3180	0,6	IXU24	5309
750 CC – 750			69 > 79	W27ESR-U	4045	0,5	IW27	5317
750 CC – 750 GS / GT / S / SF / SFC / SFL / GTL			72 > 78	W27ESR-U	4045	0,5	IW27	5317
750 CC – 750 S	55-61		97 >	XU27EPR-U	3313	0,6	IXU27	5337
750 CC – 750 S FORMULA	66 - 68		97 >	XU27EPR-U	3313	0,6	IXU27	5337
750 CC – SF-2 / SF-3 / SF2-10			76 > 78	W27ESR-U	4045	0,5	IW27	5317
750 CC – SS / SPORT / SF COMPETIZIONE				-		0,5	IW31	5319
1000 CC – 1000 RGS / SFC 1000	57-70		82 >	W27ESR-U	4045	0,6	IW27	5317
1000 CC – JOTA / JARAMA / EC / S / SC / CL / CE	57-63		82 >	W24ESR-U	4033	0,7	IW24	5316
1000 CC – SFC 1000	104		04 >	W27ESR-U	4045	0,5	IW27	5317
1200 CC – 1200 / MIRAGE / TS / JOTA AMERICA			82 >	W24ESR-U	4033	0,6	IW24	5316
LEM MOTOR								
50 CC – CINNO CROSS MX / SAFARI -X		S5K	82 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – CINNO CROSS MX 4 L		P4R	83 >	W20ESR-U	3057	0,5	IW20	5306
50 CC – L-2				W27FS-U	4052	0,5	IWF27	5381
50 CC – LX-1				W24FS-U	4038	0,8	IWF24	5380
50 CC – LX-1 SPORT				W27FS-U	4052	0,5	IWF27	5381
50 CC – LX-2 RACER				-		0,6	IW34	5320
50 CC – LX-2 SPORT				W27FS-U	4052	0,5	IWF27	5381
50 CC – LX-2 SR				W27ESR-U	4045	0,6	IW27	5317
50 CC – LX-3 RACER				-		0,6	IW34	5320
50 CC – LX-3 SPORT				W27FS-U	4052	0,5	IWF27	5381
50 CC – LX-4				W27ESR-U	4045	0,6	IW27	5317
50 CC – R2 / -AIR				-		0,6	IW34	5320
50 CC – R3 / -XC				-		0,6	IW34	5320
50 CC – SM 2 MOTARD				W27ESR-U	4045	0,6	IW27	5317
50 CC – STRATOS			84 >	W20ESR-U	3057	0,5	IW20	5306
MAGNI								
50 CC – GP 500 MINIMOTO	1.58	MORINI FRANCO S6-E		W24FS-U	4038	0,6	IWF24	5380
1000 CC – ARTURO 1000	60		87 >	W22EPR-U	3088		IW22	5307







	KW			Standard			Alternative	
								
MAGNI continued								
1000 CC – AUSTRALIA	75		93 >	X27ESR-U	4116	0,7	IX27	5373
1000 CC – CLASSICO 1000	60		87 >	W22EPR-U	3088		IW22	5307
1000 CC – SFIDA 1000	60		89 >	W20EPR-U	3047	0,7	IW20	5306
1100 CC – GIAPPONE 52	66		98 >	W20EPR-U	3047		IW20	5306
1100 CC – SFIDA 1100			95 >	W22EPR-U	3088		IW22	5307
1100 CC – SFIDA 1100 (8 VALVE)			95 >	X27ESR-U	4116	0,7	IX27	5373
1100 CC – SFIDA 1100 IE	66		97 >	W20EPR-U	3047		IW20	5306
1200 CC – SPORT 1200 S		GSX1200	00 >	-			IX24	5372
MAICO								
50 CC – MD 50 / - / 6	4.6		70 > 83	W27FS-U	4052	0,5	IWF27	5381
50 CC – MOFA 25			78 > 83	W16FS-U	3034	0,5	IWF16	5359
125 CC – GS 125 / MC 125		(L=12.7MM THREAD)		W27FS-U	4052	0,5	IWF27	5381
125 CC – GS 125 / MC 125		(L=19.0MM THREAD)		W27ESR-U	4045	0,5	IW27	5317
250 CC – 250			94 >	W27ESR-U	4045	0,5	IW27	5317
250 CC – 250 CROSS / ENDURO	39		97 >	W27ESR-U	4045	0,5	IW27	5317
250 CC – 250 CROSS / ENDURO	39		98 >	W27ESR-U	4045	0,5	IW27	5317
250 CC – GM STAR 250 (E)			> 83	W27ESR-U	4045	0,5	IW27	5317
250 CC – GS 250 / GSE 250			> 83	W27ESR-U	4045	0,5	IW27	5317
250 CC – MC 250	37-39		83 >	W27ESR-U	4045	0,5	IW27	5317
320 CC – MC 320 / GME 320			83 >	W27ESR-U	4045	0,5	IW27	5317
350 CC – GS 350				W24FS-U	4038	0,5	IWF24	5380
350 CC – TAIFUN			> 83	W22FS-U	4025	0,5	IWF22	5379
360 CC – 360 / -GS / -MC				W27FS-U	4052	0,5	IWF27	5381
400 CC – GS 400			74 > 84	W27ESR-U	4045	0,5	IW27	5317
400 CC – MC 400		(L=12.7MM THREAD)		W27FS-U	4052	0,5	IWF27	5381
400 CC – MC 400		(L=19.0MM THREAD)		W27ESR-U	4045	0,5	IW27	5317
400 CC – TAIFUN, X 5			> 83	W24FS-U	4038	0,5	IWF24	5380
440 CC – 440 / MC 440	46		94 >	W27ESR-U	4045	0,5	IW27	5317
450 CC – MC 450			> 83	W27ESR-U	4045	0,5	IW27	5317
490 CC – GSE 490			> 83	W27ESR-U	4045	0,5	IW27	5317
490 CC – MC 490			> 83	W27ESR-U	4045	0,5	IW27	5317
500 CC – 500 / MC 500	44-48		94 >	W27ESR-U	4045	0,5	IW27	5317
500 CC – 500 CROSS / ENDURO	48		97 >	W27ESR-U	4045	0,5	IW27	5317
500 CC – 500 CROSS / ENDURO	49		98 >	W27ESR-U	4045	0,5	IW27	5317
500 CC – GS 500 / GS 500 STAR (E)				W27ESR-U	4045	0,5	IW27	5317
500 CC – MC 500	48		83 > 94	W27ESR-U	4045	0,5	IW27	5317
685 CC – 685 SIDECAR / GESPANN			94 >	-		0,5	IW31	5319
MALAGUTI								
50 CC – CENTRO			93 > 99	W22FPR-U	4022	0,5	IWF22	5379
50 CC – CENTRO 50			00 >	W24FSR	4037	0,5	IWF24	5380
50 CC – CENTRO 50 4T			08 >	-		0,7	IU22	5361
50 CC – CENTRO 50 SL 4T			10 >	-		0,7	IU22	5361
50 CC – CENTRO, -SL			91 > 99	W22FSR	4024	0,7	IWF22	5379
50 CC – CIAK 50 (MINARELLI ENG.)			00 >	W24FSR	4037	0,5	IWF24	5380
50 CC – CIAK MASTER 50 4T			08 >	-		0,7	IU22	5361
50 CC – CROSSER (EL) / CR-1			95 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – CUSTOM FOX		MORINI T4	> 86	W20FSR-U	6053	0,5	IWF22	5379
50 CC – DRAKON				W27ESR	6069	0,6	IW27	5317
50 CC – DRAKON				W27ESR-U	4045	0,6	IW27	5317
50 CC – DRIBBLING / DROP			> 86	W20ESR-U	3057	0,5	IW20	5306
50 CC – DRIBBLING KW		MORINI M1K	83 >	W20ESR-U	3057	0,5	IW20	5306
50 CC – DVD 50 4T MALBONLINE			10 >	-		0,7	IU22	5361
50 CC – ENDURO MDX / -MEX / -MFX			86 >	W22ESR-U	3098	0,5	-	
50 CC – ENDURO MGX / RONCO 21			86 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – ET				W20FSR-U	6053	0,6	IWF22	5379
50 CC – F-10			93 >	W22FSR	4024	0,5	IWF22	5379
50 CC – F-10 JETLINE		AIR COOLED	92 >	W22FSR	4024	0,7	IWF22	5379
50 CC – F-10 PHANTOM			95 >	W22FSR	4024	0,5	IWF22	5379
50 CC – F-11				W24FSR	4037	0,5	IWF24	5380
50 CC – F-12 PHANTOM			94 >	W22FSR	4024	0,5	IWF22	5379
50 CC – F-12 PHANTOM LC		LIQUID COOLED	96 >	W22FSR	4024	0,5	IWF22	5379
50 CC – F-12 PHANTOM LC DD		LIQUID COOLED	00 >	W24FSR	4037	0,5	IWF24	5380
50 CC – F-15 DUCATI CORSE			07 >	W24FSR	4037	0,7	IWF24	5380
50 CC – F-15 FIREFOX		AIR COOLED	05 >	W24FSR	4037	0,7	IWF24	5380
50 CC – F-15 FIREFOX		LIQUID COOLED	96 >	W24FSR	4037	0,5	IWF22	5379
50 CC – FIFTY (MORINI 4MR)		AIR COOLED	82 >	W22FS-U	4025	0,5	IWF22	5379
50 CC – FIFTY FULL			82 >	W20FSR-U	6053	0,6	IWF22	5379
50 CC – FIFTY TOP (H2O)		AIR COOLED	82 >	W27ESR-U	4045	0,7	IW27	5317









	KW			Standard			Alternative	
								
MALAGUTI <i>continued</i>								
50 CC – GRIZZLY / RANOCCHIO				W20FSR-U	6053	0,5	IWF22	5379
50 CC – GRIZZLY 12			99 >	W24FS-U	4038	0,7	IWF24	5380
50 CC – GRIZZLY RCW4 / RCW50 / RCX10 / RCX50				W20FSR-U	6053	0,5	IWF22	5379
50 CC – MGX 450 / DUNE		MORINI TS4	86 >	W22ESR-U	3098	0,5	-	
50 CC – RCX 4 / HOBRE 4 M RADIALE				W24FS-U	4038	0,5	IWF24	5380
50 CC – RST	2.2	MINARELLI	87 >	W27ESR-U	4045	0,5	IW27	5317
50 CC – XSM				W27ESR-U	4045	0,6	IW27	5317
50 CC – XTM				W27ESR-U	4045	0,6	IW27	5317
50 CC – YESTERDAY			97 >	W24FSR	4037	0,6	IWF24	5380
70 CC – FIREFOX 70			00 >	W24ESR-U	4033	0,7	IW24	5316
75 CC – DUNE ES 75				W22ESR-U	3098	0,5	-	
75 CC – RST 75 TURISMO				W22ESR-U	3098	0,5	-	
80 CC – CAVALCONE / CHOPPER / CROSS		MORINI	86 >	W24ESR-U	4033	0,5	IW24	5316
125 CC – BLOG 125			09 >	X22EPR-U9	4086	0,9	IX22B	5375
125 CC – CENTRO 125 SL 4T			10 >	X22EPR-U9	4086	0,9	IX22B	5375
125 CC – CIAK 125			00 >	U22FSR-U	4008	0,7	IUF22	5383
125 CC – CROSS		MORINI 125		W24ESR-U	4033	0,5	IW24	5316
125 CC – MADISON	9			U24ESR-N	4126	0,6	IU24	5362
125 CC – RUNNER 125 RALLYE				W27ESR-U	4045	0,5	IW27	5317
125 CC – RUNNER 125 YLC			86 >	W24ESR-U	4033	0,5	IW24	5316
125 CC – X3M ENDURO 125			08 >	U22FSR-U	4008	0,7	IUF22	5383
125 CC – X3M MOTARD 125			08 >	U22FSR-U	4008	0,7	IUF22	5383
150 CC – CIAK 150			00 >	U22FSR-U	4008	0,7	IUF22	5383
150 CC – F-18 WARRIOR 150	9.1		01 >	X22EPR-U9	4086	0,7	IX22B	5375
160 CC – CENTRO 160 SL 4T			10 >	X22EPR-U9	4086	0,9	IX22B	5375
200 CC – F-12 PHANTOM MAX 200			04 >	U24ESR-NB	4223	0,6	IU24	5362
200 CC – MADISON S 200	14.5		03 >	U24ESR-NB	4223	0,6	IU24	5362
250 CC – MADISON S 250	15		99 >	X24ESR-U	4101	0,7	IX24	5372
400 CC – MADISON 400	23		03 >	U27ESR-N	4131	0,7	IU27	5363
460 CC – SPIDERMAX GT 500	30	(+ = ADD TERMINAL)	04 >	U22ETR+	4201	0,6	IU22	5361
500 CC – SPIDERMAX RS 500			10 >	-		0,6	IU24A	5365
MALANCA								
50 CC – BIBI / BIG / CARIBU / CHOPPY / DUE PIU			78 >	W16FS-U	3034	0,5	IWF16	5359
125 CC – 125 / M6 / M6 RACING / OB ONE / GTI STRADA			80 >	W27FS-U	4052	0,5	IWF27	5381
125 CC – 125 E2C TURISMO, -GT 180		LIQUID COOLED	81 >	W22FPR-U	4022	0,5	IWF22	5379
150 CC – 150 E2C / GT STRADA / GT3 / GTS3	13.2		74 >	W22FS-U	4025	0,5	IWF22	5379
MARS								
25 CC – M 25				W16FS-U	3034	0,8	IWF16	5359
50 CC – ENDURO DAKARINO				W24FS-U	4038	0,6	IWF24	5380
50 CC – M 25 / -MINI CALIFO				W16FS-U	3034	0,8	IWF16	5359
50 CC – MK 50 (1)				W20FPR-U	3070	0,6	IWF20	5378
50 CC – SM 50				W22FPR-U	4022	0,6	IWF22	5379
50 CC – SM 50 (1)				W22FPR-U	4022	0,6	IWF22	5379
MBK								
50 CC – 41 / 50 EV / EW / L / S / VL / VS				W20FSR-U	6053	0,5	IWF22	5379
50 CC – 51 S / SL / SUPER SPECIAL / V / VL				W20FSR-U	6053	0,5	IWF22	5379
50 CC – ACTIVE				W22FPR-U	4022	0,5	IWF22	5379
50 CC – ACTIVE / CADY / CHAMP / KW MAGNUM				W20FSR-U	6053	0,5	IWF22	5379
50 CC – AV 40 / 41 / 42 / 44 / 46 / 48 / 56 / 59 / 65 / 68				W20FSR-U	6053	0,5	IWF22	5379
50 CC – AV 76 / 79 / 85 / 88 / 89 / 92 / 98				W20FSR-U	6053	0,5	IWF22	5379
50 CC – BOOSTER			93 >	W22FSR	4024	0,5	IWF22	5379
50 CC – BOOSTER (3TX)		<GB>		W22FPR-U	4022	0,7	IWF22	5379
50 CC – BOOSTER (4FG)		<CH>		W24FSR	4037	0,5	IWF24	5380
50 CC – BOOSTER N.G. / TRACK		CW50 RS/RSX	97 >	W24FSR	4037	0,6	IWF24	5380
50 CC – BOOSTER NEXT GENERATION (R)		<GB>	95 >	W22FPR-U	4022	0,7	IWF22	5379
50 CC – BOOSTER R / ROCKET / SPIRIT		CW50RSP / ..	97 >	W24FSR	4037	0,6	IWF24	5380
50 CC – CT 50 S				W22FPR-U	4022	0,7	IWF22	5379
50 CC – EVOLIS			92 >	W22FSR	4024	0,7	IWF22	5379
50 CC – EVOLIS 4HU		<NL>	92 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – FIZZ			93 > 97	W22FSR	4024	0,5	IWF22	5379
50 CC – FIZZ (YM 50)			97 >	W24FSR	4037	0,6	IWF24	5380
50 CC – FLIPPER 50				W24FSR	4037	0,6	IWF24	5380
50 CC – FORTE			92 > 96	W22FSR	4024	0,5	IWF22	5379
50 CC – FORTE (3UG)			97 >	W24FSR	4037	0,6	IWF24	5380
50 CC – FORTE (YA50R)			97 >	W22FSR	4024	0,6	IWF22	5379
50 CC – HOBBY IV				W20EPR-U	3047	0,5	IW20	5306









	KW			Standard			Alternative	
								
MBK continued								
50 CC – M 1 / 1L / 1P / 1PR / 1PRT / 1PRTS / G 40 / G 50				W20FSR-U	6053	0,6	IWF22	5379
50 CC – MOBYLETT / ROCK / DAYTONA				W20FSR-U	6053	0,5	IWF22	5379
50 CC – MOBYLETTE				W20FSR-U	6053	0,6	IWF22	5379
50 CC – MONTY MB3V			77 > 84	W20EPR-U	3047	0,5	IW20	5306
50 CC – MONTY SP3V			> 82	W20EPR-U	3047	0,6	IW20	5306
50 CC – MONTY SP3V			81 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – MOTOBECANE M 11 LC / ND / S			83 >	W16FS-U	3034	0,5	IWF16	5359
50 CC – NITRO		LIQUID COOLED	98 >	W24FSR	4037	0,6	IWF24	5380
50 CC – OVETTO			97 >	W22FSR	4024	0,6	IWF22	5379
50 CC – SP 50 / 92 / 93 / 94 / 98 / 99				W20FSR-U	6053	0,5	IWF22	5379
50 CC – STUNT 50			99 >	W24FSR	4037	0,5	IWF24	5380
50 CC – TARGET			92 >	W22FPR-U	4022	0,7	IWF22	5379
50 CC – WEEKY				W22FS-U	4025	0,5	IWF22	5379
75 CC – MOTOBECANE-MOTOCONFORT D 75				W24FS-U	4038	0,5	IWF24	5380
80 CC – EVOLIS 80			93 >	W22FSR	4024	0,7	IWF22	5379
125 CC – 125 R FLAME / NEW (4NB)	6.4-7.0		96 >	U22ESR-N	4174	0,6	IU22	5361
125 CC – DOODO 125			01 >	U24ESR-N	4126	0,7	IU24	5362
125 CC – FLAME (XC125 T/R)			96 >	U22ESR-N	4174	0,6	IU22	5361
125 CC – MOTOBECANE-MOTOCONFORT 125		(L=12.7MM THREAD)		W24FS-U	4038	0,5	IWF24	5380
125 CC – MOTOBECANE-MOTOCONFORT 125		(L=19.0MM THREAD)		W24ESR-U	4033	0,5	IW24	5316
125 CC – SKYCRUISER	10.4		06 >	U24ESR-N	4126	0,8	IU24	5362
125 CC – SKYLINER 125	8.4		98 >	X24ESR-U	4101	0,7	IX24	5372
250 CC – MOTOBECANE-MOTOCONFORT 250				W24FSR-U	4033	0,5	IW24	5316
250 CC – SKYLINER 250	15.5		99 >	X24ESR-U	4101	0,7	IX24	5372
350 CC – MOTOBECANE-MOTOCONFORT 350			73 > 79	W24ESR-U	4033	0,5	IW24	5316
350 CC – MOTOBECANE-MOTOCONFORT 350 E / INJ.				W24ESR-U	4033	0,5	IW24	5316
400 CC – SKYLINER			04 >	U22ETR	4201	0,7	IU22	5361
MBM								
50 CC – AMICO EXPORT / -SPECIAL / -SUPER		P4R	> 84	W24FS-U	4038	0,5	IWF24	5380
50 CC – BREEZE / CRAZY / PETTIROSSO / PONY			> 87	W16FS-U	3034	0,5	IWF16	5359
50 CC – CHICO / COMBAT / PICCHIO / SONGNO / YOU			> 84	W16FS-U	3034	0,5	IWF16	5359
MEGO								
50 CC – GT 50	4.4	MINARELLI	86 >	W22ESR-U	3098	0,5	-	
50 CC – LIBRA / VIVA / NEO VIVA			86 >	W20FSR-U	6053	0,5	IWF22	5379
METRAKIT								
50 CC – MINI GP	8.6	2-STROKE		W31ESR-U	4176		IW31	5319
50 CC – MINI GP XL	8.6	2-STROKE		W31ESR-U	4176		IW31	5319
71 CC – METRAKIT FUN	13.4	2-STROKE		W31ESR-U	4176		IW31	5319
71 CC – MINI GP SP	13.4	2-STROKE		W31ESR-U	4176		IW31	5319
77 CC – MINI GP XL 80CC COPA	18.6	2-STROKE		W31ESR-U	4176		IW31	5319
MINARELLI								
50 CC – 50 CROSS				-		0,5	IW31	5319
50 CC – 50 TRIAL				-		0,5	IW29	5318
50 CC – C 2 / E2 / G1 / V2 / C3PK		(L=12.7MM THREAD)		W20FSR-U	6053	0,5	IWF22	5379
50 CC – C 2 / E2 / G1 / V2 / C3PK		(L=19.0MM THREAD)		W20ESR-U	3057	0,5	IW20	5306
50 CC – C 3 KS				W20ESR-U	3057	0,5	IW20	5306
50 CC – H 3, P 4E				W20FSR-U	6053	0,5	IWF22	5379
50 CC – P 3N / 3A / 3S				W20FSR-U	6053	0,5	IWF22	5379
50 CC – P 4 / A / P 6 / E				W20FSR-U	6053	0,5	IWF22	5379
50 CC – P 4CS / CSA / P4R				W22ESR-U	3098	0,5	-	
50 CC – P 6 COMPETIZIONE				-		0,5	IW29	5318
50 CC – P 6 CS / CSA / P 6R				W22ESR-U	3098	0,5	-	
50 CC – P 6 SUPER				W24FS-U	4038	0,5	IWF24	5380
50 CC – RV 4 / -A				W22ESR-U	3098	0,5	-	
50 CC – V 1H / V 1HLE / V 1L				W20FSR-U	6053	0,5	IWF22	5379
50 CC – V1 / V1A / V1KS / VIP		(L=12.7MM THREAD)		W20FSR-U	6053	0,5	IWF22	5379
50 CC – V1 / V1A / V1KS / VIP		(L=19.0MM THREAD)		W20ESR-U	3057	0,5	IW20	5306
60 CC – W 3 QM				W20FSR-U	6053	0,5	IWF22	5379
75 CC – TRIAL				-		0,5	IW27	5317
80 CC – MR 6 / 80				-		0,5	IW34	5320
80 CC – P 680				W20FSR-U	6053	0,5	IWF22	5379
125 CC – 125 / 5				W24ESR-U	4033	0,5	IW24	5316
125 CC – 125 / 5 CROSS				-		0,5	IW31	5319
125 CC – 125 / 5 REGOLARITA				-		0,5	IW31	5319
125 CC – 125 CROSS				-		0,5	IW29	5318









	KW			Standard			Alternative		
									
MINARELLI <i>continued</i>									
125 CC – 125 REGOLARITA				-		0,5	IW29	5318	
125 CC – 125 YPVS			YAMAHA ENGINE		W24ESR-U	4033	0,5	IW24	5316
MONARK (CRESCENT AB)									
50 CC – 50 MX SPECIAL			FICHTEL & SACHS ENGINE		W27FS-U	4052	0,5	IWF27	5381
50 CC – FOMULA MONARK 50 MX			MORINI ST5		W22FS-U	4025	0,5	IWF22	5379
50 CC – MOPOD					W16FS-U	3034	0,5	IWF16	5359
80 CC – 80 TS					W27FS-U	4052	0,5	IWF27	5381
125 CC – 125 TTS			FICHTEL & SACHS ENGINE		W24FS-U	4038	0,5	IWF24	5380
125 CC – MONARK 125 MX / -T / -ISDT			FICHTEL & SACHS ENGINE		W27FS-U	4052	0,5	IWF27	5381
125 CC – MONARK 125 TOURING			MORINI		W24ESR-U	4033	0,5	IW24	5316
MONDIAL									
50 CC – MONDIALINO LADY / TURISMO / 50					W22FS-U	4025	0,5	IWF22	5379
125 CC – 125 SS					W24FS-U	4038	0,5	IWF24	5380
175 CC – 175 SS					W27FS-U	4052	0,5	IWF27	5381
MONTESA									
50 CC – BRIO / COTA / CROSS / FURA / SCOOTER					W20FSR-U	6053	0,6	IWF22	5379
75 CC – ENDURO / COTA / CRONO					W22ESR-U	3098	0,5	-	
125 CC – CAPPRA 125 MX					W24FS-U	4038	0,5	IWF24	5380
125 CC – CAPPRA 125 VA / VB / VE / VF					W31ESR-U	4176	0,5	IW31	5319
125 CC – COTA 123 / C / T / COTA 125					W24ESR-U	4033	0,5	IW24	5316
125 CC – CRONO 125 D / ENDURO H6 / H7 / L					W24ESR-U	4033	0,5	IW24	5316
175 CC – COMMANDO / IMPALA / KENYA / TURISMO					W20FSR-U	6053	0,5	IWF22	5379
175 CC – COMMANDO 175 / TEXAS 175					W20FSR-U	6053	0,5	IWF22	5379
175 CC – COTA 172 / 200					W22ESR-U	3098	0,5	-	
175 CC – ENDURO 175					W22FS-U	4025	0,5	IWF22	5379
175 CC – IMPALA SPORT 175					W24FS-U	4038	0,5	IWF24	5380
250 CC – CAPPRA 250 / GP / MX					W24FS-U	4038	0,5	IWF24	5380
250 CC – CAPPRA 250 CA / VB / VE / VF / VG / VR					W27ESR-U	4045	0,5	IW27	5317
250 CC – COTA 242 / 304 / 307					W22EPR-U	3088	0,5	IW22	5307
250 CC – COTA 247 / C / T			75 >		W24FS-U	4038	0,5	IWF24	5380
250 CC – COTA 248					W16EPR-U	3021	0,5	IW16	5305
250 CC – COTA 315 R (HRC ENGINE)	12.8		(L=19.0MM THREAD)	97 >	W24ESR-V	4035	0,6	IW24	5316
250 CC – ENDURO 250 H6					W24ESR-U	4033	0,5	IW24	5316
250 CC – ENDURO 250 H7					-		0,5	IW31	5319
250 CC – IMPALA 250 KING					W24FS-U	4038	0,5	IWF24	5380
250 CC – IMPALA 250 SCORPION / SPORT					W24FS-U	4038	0,5	IWF24	5380
250 CC – LA CROSS 66 / -67					W27FS-U	4052	0,5	IWF27	5381
250 CC – RAPITA 250 AUTOMIX					W24ESR-U	4033	0,5	IW24	5316
250 CC – TRIAL 250					W20FSR-U	6053	0,5	IWF22	5379
260 CC – COTA 309 / 310 / EVASION				89 >	W22EPR-U	3088	0,5	IW22	5307
260 CC – COTA 311					W16EPR-U	3021	0,5	IW16	5305
310 CC – COTA 348 / TRIAL				77 >	W16EPR-U	3021	0,5	IW16	5305
315 CC – COTA 315 R				04 >	W20ESR-U	3057	0,6	IW20	5306
315 CC – COTA 315 R				97 > 04	W20EPR-U	3047		IW20	5306
330 CC – COTA 335 / 335E / 349T / 350				77 >	W16EPR-U	3021	0,5	IW16	5305
350 CC – COTA 330					W16EPR-U	3021	0,5	IW16	5305
350 CC – GROMO 350					W22ESR-U	3098	0,5	-	
350 CC – ENDURO 360 H6 / H7 / H7S / L				79 > 90	W22ESR-U	3098	0,5	-	
360 CC – CAPPRA GP / CAPPRA 360 VA / VB				78 >	W24ESR-U	4033	0,5	IW24	5316
360 CC – SCRAMBLER					W27ESR-U	4045	0,5	IW27	5317
410 CC – CAPPRA 414 VE / VF / VG					W24ESR-U	4033	0,5	IW24	5316
750 CC					W24EPR-U	4136	0,5	IW24	5316
MONTESA-HONDA (HRC)									
125 CC – MH 123					W22ESR-U	3098	0,5	-	
200 CC – MH 200					W22EPR-U	3088	0,5	IW22	5307
250 CC – COTA 315 R (HRC ENGINE)	12.8		(L=19.0MM THREAD)	97 >	W24ESR-V	4035	0,7	IW24	5316
350 CC – MH 349					W16EPR-U	3021	0,5	IW16	5305
MOTO GUZZI									
110 CC – LARIO / ZIGOLO					W20FSR-U	6053	0,5	IWF22	5379
125 CC – 125 2C 4T				79 > 84	U24FSR-U	4010	0,6	IUF24	5384
125 CC – 125 ENDURO					W24ESR-U	4033	0,5	IW24	5316
125 CC – 125 TT				85 > 88	W27ESR-U	4045	0,5	IW27	5317
125 CC – CUSTOM				86 >	W27ESR-U	4045	0,5	IW27	5317
125 CC – STORNELLO 125 (5 MARCE) / -SPORT					W22ESR-U	3098	0,5	-	
125 CC – STORNELLO SCRAMBLER 125					W20ESR-U	3057	0,5	IW20	5306
125 CC – TURISMO				74 > 80	W24ESR-U	4033	0,5	IW24	5316
125 CC – TUTTOTERRANO / 125 T					W22ESR-U	3098	0,5	-	









	KW			Standard			Alternative	
								
MOTO GUZZI <i>continued</i>								
160 CC – STORNELLO				W20ESR-U	3057	0,5	IW20	5306
175 CC – STORNELLO / GALETTO				W20ESR-U	3057	0,5	IW20	5306
190 CC – GALETTO				W22ESR-U	3098	0,5	-	
200 CC – MOTOCARRO ERCCELINO				W22ESR-U	3098	0,5	-	
235 CC – LODOLA GT				W22ESR-U	3098	0,5	-	
250 CC – 250 FD			74 > 76	X24ESR-U	4101	0,5	IX24	5372
250 CC – 250 TS			74 > 81	W24ESR-U	4033	0,5	IW24	5316
250 CC – 254			78 > 80	U24FSR-U	4010	0,5	IUF24	5384
350 CC – 350 GTS			74 > 81	X24ESR-U	4101	0,5	IX24	5372
350 CC – 350 NTX			86 >	W24EPR-U	4136	0,6	IW24	5316
350 CC – V 35				W24EPR-U	4136	0,5	IW24	5316
350 CC – V 35 / EXCALIBUR			77 >	W22EPR-U	3088	0,6	IW22	5307
350 CC – V 35 FLORIDA			86 >	W24EPR-U	4136	0,6	IW24	5316
350 CC – V 35 II			80 > 87	W22ESR-U	3098	0,6	-	
350 CC – V 35 III			85 >	W24EPR-U	4136	0,6	IW24	5316
350 CC – V 35 IMOLA			79 > 87	W24ESR-U	4033	0,5	IW24	5316
350 CC – V 35 IMOLA II			79 > 86	U24FSR-U	4010	0,6	IUF24	5384
350 CC – V 35 TT			84 > 89	W22EPR-U	3088	0,6	IW22	5307
350 CC – V 350 NEVADA				W24ESR-U	4033	0,6	IW24	5316
400 CC – 400 GTS			75 > 80	X24EPR-U9	4096	0,9	IX24B	5376
400 CC – V 40 IMOLA / CAPRI			> 92	W24EPR-U	4136	0,6	IW24	5316
500 CC – FALCONE CIVILE 500 / SAHARA				W22ESR-U	3098	0,5	-	
500 CC – FALCONE POLIZIA ESORCITO				W22ESR-U	3098	0,5	-	
500 CC – MONZA 500			81 > 87	W24EPR-U	4136	0,6	IW24	5316
500 CC – MOTOCARRO ERCORE				W22ESR-U	3098	0,5	-	
500 CC – NUEVO FALCONE 500				W22ESR-U	3098	0,5	-	
500 CC – V 50				W24EPR-U	4136	0,5	IW24	5316
500 CC – V 50			77 >	W22EPR-U	3088	0,6	IW22	5307
500 CC – V 50 CUSTOM			78 > 80	W22EPR-U	3088	0,6	IW22	5307
500 CC – V 50 II			77 > 82	W22EPR-U	3088	0,5	IW22	5307
500 CC – V 50 III			81 > 87	W24EPR-U	4136	0,5	IW24	5316
500 CC – V 50 MONZA II			84 > 88	U24FSR-U	4010	0,5	IUF24	5384
650 CC – V 65			> 86	W24EPR-U	4136	0,6	IW24	5316
650 CC – V 65			87 >	Q20PR-U	3007	0,9	IK20	5304
650 CC – V 65 FLORIDA			> 86	W24EPR-U	4136	0,6	IW24	5316
650 CC – V 65 FLORIDA			92 >	W24ESR-U	4033	0,6	IW24	5316
650 CC – V 65 LARIO			> 86	U24FSR-U	4010	0,6	IUF24	5384
650 CC – V 65 NTX			> 89	W24EPR-U	4136	0,6	IW24	5316
650 CC – V 65 NTX			90 > 92	W24ESR-U	4033	0,6	IW24	5316
650 CC – V 65 POLIZIA NT				W24ESR-U	4033	0,6	IW24	5316
650 CC – V 65 SP / V 65 TT			> 86	W24EPR-U	4136	0,6	IW24	5316
700 CC – V 7			70 >	W22ESR-U	3098	0,5	-	
750 CC – 750 S			> 74	W20EPR-U	3047	0,6	IW20	5306
750 CC – 750 SP			92 >	W24ESR-U	4033	0,6	IW24	5316
750 CC – 750 STRADA				W24ESR-U	4033	0,6	IW24	5316
750 CC – 750 TARGA			90 >	W24ESR-U	4033	0,6	IW24	5316
750 CC – BREVA 750	35.5		03 >	W24ESR-U	4033	0,6	IW24	5316
750 CC – BREVA 750 TOURING	35.5	TWIN SPARK	06 >	W24ESR-U	4033	0,6	IW24	5316
750 CC – NEVADA AQUILA NERA			10 >	W24ESR-U	4033	0,6	IW24	5316
750 CC – NEVADA CLASSIC ANNIVERSARIO			10 >	W24ESR-U	4033	0,6	IW24	5316
750 CC – V 7 SPECIAL / -CALIFORNIA / 750 S				W22ESR-U	3098	0,5	-	
750 CC – V 7 SPORT 750 S3				W22ESR-U	3098	0,5	-	
750 CC – V 75 / DUNA				U22FSR-U	4008	0,6	IUF22	5383
750 CC – V 75 SPORT			98 >	W20EPR-U	3047	0,6	IW20	5306
750 CC – V 750 NEVADA			91 >	W24ESR-U	4033	0,6	IW24	5316
750 CC – V 750 NTX / POLIZIA NT			92 >	W24ESR-U	4033	0,6	IW24	5316
750 CC – V7 CLASSIC	35.5		07 >	W24ESR-U	4033	0,6	IW24	5316
750 CC – V7 RACER			10 >	W24ESR	6068	0,6	IW24	5316
850 CC – 850 CALIFORNIA			76 > 82	W20EPR-U	3047	0,6	IW20	5306
850 CC – 850 LE MANS I / II / III	51-56		75 > 86	W22EPR-U	3088	0,6	IW22	5307
850 CC – 850 T4 / T5			80 > 88	W20EPR-U	3047	0,6	IW20	5306
850 CC – 850 TS 5			82 > 85	W20EPR-U	3047	0,6	IW20	5306
850 CC – BREVA 850		NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! TWIN SPARK		-			IU24	5362
850 CC – BREVA 850	53	NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! TWIN SPARK	06 >	K20PR-U	3145	0,6	IK20	5304
850 CC – GRISO 850		NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! TWIN SPARK		-			IU24	5362









	KW			Standard			Alternative	
								
MOTO GUZZI <i>continued</i>								
850 CC – GRISO 850	53	NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! TWIN SPARK	06 >	K20PR-U	3145	0,6	IK20	5304
850 CC – NORGE 850		NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! TWIN SPARK		-			IU24	5362
850 CC – NORGE 850	53	NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! TWIN SPARK	06 >	K20PR-U	3145	0,6	IK20	5304
850 CC – V 7 SPORT				W27ESR-U	4045	0,5	IW27	5317
940 CC – BELLAGIO		NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! TWIN SPARK		-			IU24	5362
940 CC – BELLAGIO	55	NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! TWIN SPARK	07 >	K20PR-U	3145	0,6	IK20	5304
950 CC – CALIFORNIA				W22ESR-U	3098	0,6	-	
950 CC – MILLE GT		VH-49/VH-52	87 >	W20EPR-U	3047	0,6	IW20	5306
1000 CC – 1000 / STRADA				W20EPR-U	3047	0,6	IW20	5306
1000 CC – 1000 GT / MILLE GT	49		88 >	W20EPR-U	3047	0,6	IW20	5306
1000 CC – 1000 LE MANS			90 >	W22EPR-U	3088	0,6	IW22	5307
1000 CC – 1000 LE MANS IV			85 > 89	W24EPR-U	4136	0,6	IW24	5316
1000 CC – 1000 S			89 >	W22EPR-U	3088	0,6	IW22	5307
1000 CC – 1000 SP III			88 > 92	W20EPR-U	3047	0,6	IW20	5306
1000 CC – CALIFORNIA III				W22EPR-U	3088	0,7	IW22	5307
1000 CC – DAYTONA 1000				X27ESR-U	4116	0,7	IX27	5373
1000 CC – DAYTONA 1000 RS	72-75		96 >	X27ESR-U	4116	0,7	IX27	5373
1000 CC – QUOTA 1000			90 > 96	W22EPR-U	3088	0,8	IW22	5307
1000 CC – T 5 POLIZIA			92 >	W22EPR-U	3088	0,8	IW22	5307
1000 CC – V 10 CENTAURO	66		96 >	X27ESR-U	4116	0,7	IX27	5373
1000 CC – V 10 CENTAURO SPORT / GT SPECIAL	70		98 >	W20EPR-U	3047	0,6	IW20	5306
1000 CC – V 1000				W20EPR-U	3047	0,6	IW20	5306
1000 CC – V 1000 CX				W24EPR-U	4136	0,6	IW24	5316
1000 CC – V 1000 G5 / V 1000 CONVERT				W20EPR-U	3047	0,5	IW20	5306
1100 CC – 1100 (I) SPORT INJECTION (KF)			96 >	W20EPR-U	3047	0,6	IW20	5306
1100 CC – 1100 SPORT			93 >	W20EPR-U	3047	0,6	IW20	5306
1100 CC – BASSA LUNGA	55	CAT	98 >	W20EPR-U	3047	0,6	IW20	5306
1100 CC – BREVA V 1100		NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! TWIN SPARK		-			IU24	5362
1100 CC – BREVA V 1100	63	NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! TWIN SPARK	06 >	K20PR-U	3145	0,6	IK20	5304
1100 CC – CALIFORNIA 1100 INJ (./ +JACKAL)		INJECTION	94 >	W20EPR-U	3047	0,6	IW20	5306
1100 CC – CALIFORNIA 1100 KC / KD / EV			94 >	W20EPR-U	3047	0,6	IW20	5306
1100 CC – GRISO		NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! TWIN SPARK		-			IU24	5362
1100 CC – GRISO	65	NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! TWIN SPARK	05 >	K20PR-U	3145	0,6	IK20	5304
1100 CC – JACKAL (CALIFORNIA)			99 >	W20EPR-U	3047	0,6	IW20	5306
1100 CC – QUOTA 1100 ES	51		99 >	W20EPR-U	3047	0,6	IW20	5306
1100 CC – SPORT			95 >	W20EPR-U	3047	0,6	IW20	5306
1100 CC – V 11 (ALL MODELS)	66	INJECTION	98 >	W20EPR-U	3047	0,6	IW20	5306
1150 CC – GRISO 8V	81		07 >	-		0,6	IU24	5362
1150 CC – STELVIO	77		07 >	-		0,6	IU24	5362
1200 CC – 1200 SPORT / ABS		NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! TWIN SPARK		-		0,6	IU24	5362
1200 CC – 1200 SPORT / ABS	70	NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! TWIN SPARK	06 >	K20PR-U	3145	0,6	IK20	5304
1200 CC – BREVA 1200 / ABS		NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! TWIN SPARK		-		0,6	IU24	5362
1200 CC – BREVA 1200 / ABS	66	NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! TWIN SPARK	07 >	K20PR-U	3145	0,6	IK20	5304
1200 CC – GT		NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! TWIN SPARK		-			IU24	5362
1200 CC – GT	65	NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! TWIN SPARK	06 >	K20PR-U	3145	0,6	IK20	5304
1200 CC – NORGE 1200		NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! TWIN SPARK		-			IU24	5362
1200 CC – NORGE 1200	65	NOTE: USE 2 DIFFERENT PLUGS PER CYLINDER! TWIN SPARK	06 >	K20PR-U	3145	0,6	IK20	5304
1250 CC – MGS-01 CORSA	90		05 >	-		0,6	IX27	5373
MOTO KOSMOS								
CV / RV -125 / -250 / RV 350 / CV 500			> 82	W24ESR-U	4033	0,6	IW24	5316
100 CC – RV100				W27ESR-U	4045	0,5	IW27	5317









	KW			Standard			Alternative	
								
MOTO KOSMOS <i>continued</i>								
125 CC – CV125 / RV125				W24ESR-U	4033	0,5	IW24	5316
125 CC – KSR 125 / CVA 125			81 >	W27ESR-U	4045	0,6	IW27	5317
250 CC – KSR 250	39		81 >	W27ESR-U	4045	0,5	IW27	5317
250 CC – RV250 / CV250				W24ESR-U	4033	0,5	IW24	5316
MOTO MORINI								
50 CC – CORSARINO / DOLLARO / SCRAMBLER				W22ESR-U	3098	0,5	-	
100 CC – SBARAZZINO / 100 R				W24ESR-U	4033	0,5	IW24	5316
125 CC – CORSARO / 125 KJ			> 88	W22EPR-U	3088	0,6	IW22	5307
175 CC – TRESETTE / CORSARO / SPORT			> 88	W24ESR-U	4033	0,5	IW24	5316
250 CC – 250 / 2½ / BICILINDRICA			> 84	W22EPR-U	3088	0,6	IW22	5307
350 CC – 350 EXCALIBUR / COGUARO / DART			88 >	W22EPR-U	3088	0,6	IW22	5307
400 CC – 400 DART			91 >	W24EPR-U	4136	0,6	IW24	5316
500 CC – 501 .. / EXCALIBUR / COGUARO / NEW YORK			91 > 92	W24EPR-U	4136	0,6	IW24	5316
501 CC – 501 .. / EXCALIBUR / COGUARO / NEW YORK			92 >	W22EPR-U	3088	0,6	IW22	5307
1200 CC – CORSARO 1200	103		05 >	U27ESR-N	4131	0,7	IU27A	5366
MOTOFINO								
50 CC – MF50QT			05 > 07	U22FSR-U	4008		IUF22	5383
50 CC – MF50QT-2			05 > 07	U22FSR-U	4008		IUF22	5383
50 CC – MF50QT-6			05 > 07	U22FSR-U	4008		IUF22	5383
50 CC – MF50QT-7			05 > 07	U22FSR-U	4008		IUF22	5383
80 CC – MF80-2			05 > 07	U22FSR-U	4008		IUF22	5383
110 CC – MF110-2			05 > 07	U22FSR-U	4008		IUF22	5383
125 CC – MF125QT-2			05 > 07	U22FSR-U	4008		IUF22	5383
125 CC – MF125QT-7			05 > 07	U22FSR-U	4008		IUF22	5383
150 CC – MF150-2			05 > 07	X24EPR-U9	4096		IX24B	5376
150 CC – MF150-6B			05 > 07	X24EPR-U9	4096		IX24B	5376
150 CC – MF150-6C			05 > 07	X24EPR-U9	4096		IX24B	5376
150 CC – MF150PY			05 > 07	X24EPR-U9	4096		IX24B	5376
150 CC – MF150QT-10D			05 > 07	U22FSR-U	4008		IUF22	5383
150 CC – MF150QT-10S			05 > 07	U22FSR-U	4008		IUF22	5383
150 CC – MF150QT-2			05 > 07	U22FSR-U	4008		IUF22	5383
150 CC – MF150QT-21			05 > 07	U22FSR-U	4008		IUF22	5383
150 CC – MF150QT-7			05 > 07	U22FSR-U	4008		IUF22	5383
200 CC – MF200PY			05 > 07	X24EPR-U9	4096		IX24B	5376
MOTOGRAZIELLA								
50 CC – MOTOGRAZIELLA				W16FPR-U	4192	0,5	IWF16	5359
MOTOR HISPANIA								
50 CC – CANGURITO / DINGO				W20FSR-U	6053	0,5	IWF22	5379
50 CC – CROSS / MH / MH49 / SPORT 49				W20FSR-U	6053	0,5	IWF22	5379
50 CC – FERIA / JABATO / 50 SL				W20ESR-U	3057	0,5	IW20	5306
50 CC – FURIA CROSS			99 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – GT 81 / MH 80 (CROSS)				W20FSR-U	6053	0,5	IWF22	5379
50 CC – M 80 AUTOMATICO				W20ESR-U	3057	0,5	IW20	5306
MOTRON								
50 CC – DODO / G1 / GIDDY				W16FS-U	3034	0,5	IWF16	5359
50 CC – GL 4 / MONSTER 4 / -6		MINARELLI P4R	77 >	W20ESR-U	3057	0,5	IW20	5306
50 CC – GUMMY BALL / MA / MST			81 >	W16FS-U	3034	0,5	IWF16	5359
50 CC – PL / SA / SV / SV3 / SV3 R				W20ESR-U	3057	0,5	IW20	5306
50 CC – RA / RA PL / RARR / RN / RPL KS			79 > 87	W16FS-U	3034	0,5	IWF16	5359
50 CC – STING				W22FSR	4024	0,5	IWF22	5379
50 CC – TENTATION / TR 4 / TR 6			77 > 85	W20ESR-U	3057	0,5	IW20	5306
50 CC – THUNDER				W22FSR	4024	0,5	IWF22	5379
MÜNCH								
1000 CC – MAMMUT 1000 TTS			> 83	W24EPR-U	4136	0,5	IW24	5316
1200 CC – 4-1200 TS / TTS-E / MAMMUT 1200 TS			> 83	W24EPR-U	4136	0,5	IW24	5316
MUZ > M Z MVAGUSTA								
50 CC – GERMANO SPORT				W24FS-U	4038	0,5	IWF24	5380
50 CC – GERMANO TURISMO / MINI BIKE RACING				W16FPR-U	4192	0,5	IWF16	5359
50 CC – LIBERTY SPORT / -TURISMO				W22ESR-U	3098	0,5	-	
80 CC – CHEECA GT / GTE / SPORT				W22FS-U	4025	0,5	IWF22	5379
125 CC – 125 S / -SE				W22ESR-U	3098	0,5	-	
125 CC – CENTOMILA / -REGOLARITA / TURISMO EL				W24FS-U	4038	0,5	IWF24	5380
125 CC – E / GT / GTL / TRA / TRL				W24FS-U	4038	0,5	IWF24	5380
150 CC – CHICCO / GRAN TURISMO				W22FS-U	4025	0,5	IWF22	5379
150 CC – GT / RS / RSS / 161				W24FS-U	4038	0,5	IWF24	5380









	KW			Standard			Alternative	
								
MUZ > M Z MVAGUSTA <i>continued</i>								
150 CC – MOTOCARRO CENTAURO / RAPID SPORT				W22FS-U	4025	0,5	IWF22	5379
150 CC – MOTOCARRO TEVERE TRASPORTO				W22ESR-U	3098	0,5	-	
175 CC – CS				W22FS-U	4025	0,5	IWF22	5379
175 CC – GST / -L				W16ESR-U	3110	0,5	IW16	5305
235 CC – MOTOCARRO TEVERE TRASPORTO				W24ESR-U	4033	0,5	IW24	5316
250 CC – 250 B				W24ESR-U	4033	0,5	IW24	5316
250 CC – RAID				W22FS-U	4025	0,5	IWF22	5379
310 CC – TT TEVERE MOTOCARRO				W24ESR-U	4033	0,5	IW24	5316
350 CC – 350 (216) / BES (216) / SPORT				W24ESR-U	4033	0,5	IW24	5316
350 CC – 350 B GT / BE GT / S / SCRAMBLER				W24ESR-U	4033	0,5	IW24	5316
600 CC – 199 / 4C6				W24ESR-U	4033	0,5	IW24	5316
750 CC – 4 C75S / GT / 750 GT / S / SS			> 76	W24ESR-U	4033	0,5	IW24	5316
750 CC – F4 - 750 .. / S / S 1+1 / STRADA / SP01	93-98		99 >	U27ESR-NB	4224	0,6	IU27	5363
750 CC – F4 - 750 ORO	94		99 >	-		0,6	IU27	5363
750 CC – F4 - 750 SENNA	101	(+ = ADD TERMINAL)	00 >	U27ETR+	4155	0,6	IU27A	5366
750 CC – F4 - 750 SPR	103	STREET USE	00 >	-		0,6	IU27A	5366
750 CC – F4 BRUTALE S / CRC / AMERICA	93		00 >	U27ESR-NB	4224	0,6	IU27	5363
800 CC – 800 S			> 80	W24ESR-U	4033	0,5	IW24	5316
900 CC – 900 S			> 80	W24ESR-U	4033	0,5	IW24	5316
910 CC – BRUTALE 910S	100		05 >	U27ESR-NB	4224	0,7	IU27	5363
982 CC – F4 BRUTALE 989 R / 990 R	104		08 >	U27ESR-NB	4224	0,7	IU27A	5366
998 CC – F4 1000 R			08 >	U27ESR-NB	4224	0,7	IU27	5363
1000 CC – F4 1000 S / S 1+1 / AGO / TAMBURINI / MAMBA	122		04 >	-		0,6	IU27A	5366
1000 CC – F4 1000 S / S 1+1 / AGO / TAMBURINI / MAMBA	122	RACE USE	04 >	-		0,6	RU01-31	5739
1000 CC – F4 R / SENNA	128		06 >	-		0,9	IU27A	5366
1000 CC – F4 R312	134		07 >	-		0,9	IU27A	5366
1078 CC – F4 BRUTALE 1090 R			10 >	-		0,7	IU27A	5366
1080 CC – F4 1078 RR	140		08 >	-		0,9	IU27A	5366
1080 CC – F4 BRUTALE 1078 RR	113		08 >	-		0,9	IU27A	5366
1080 CC – F4 CC	147		07 >	-		0,9	IU27A	5366
MZ								
50 CC – MOSKITO (FB50)			97 >	W22FSR	4024	0,6	IWF22	5379
50 CC – MOSKITO SX JP50 (CPI50C)			99 >	W20FPR-U	3070	0,6	IWF20	5378
125 CC – 124 / 125 / 2				W20FSR-U	6053	0,5	IWF22	5379
125 CC – 125 SX / 125 SM	11		00 >	U24ESR-N	4126	0,7	IU24	5362
125 CC – ES 125 / ETS 125 / TS 125 / TROPHY / SPORT			75 >	W24FS-U	4038	0,5	IWF24	5380
125 CC – ETZ 125 / RT 125/3			91 >	W22FS-U	4025	0,5	IWF22	5379
125 CC – RT 125	11		00 >	U24ESR-N	4126	0,7	IU24	5362
125 CC – SAXON ROADSTAR	7		93 >	W24FS-U	4038	0,6	IWF24	5380
125 CC – SAXON SPORTSTAR	7-11		93 >	W24FS-U	4038	0,6	IWF24	5380
150 CC – ES 150				W22FS-U	4025	0,5	IWF22	5379
150 CC – ES 150 / ETS 150 / TS 150 / TROPHY / SPORT				W24FS-U	4038	0,5	IWF24	5380
150 CC – SAXON ROADSTAR	7-9			W24FS-U	4038	0,6	IWF24	5380
150 CC – SAXON SPORTSTAR	7-9			W24FS-U	4038	0,6	IWF24	5380
250 CC – ES 250 / -/1 G5				W22FS-U	4025	0,5	IWF22	5379
250 CC – ES 250 / 2 TROPHY				W24FS-U	4038	0,5	IWF24	5380
250 CC – ETS 250 / 2 TROPHY SPORT				W24FS-U	4038	0,5	IWF24	5380
250 CC – ETS 250 1G				-		0,5	IW31	5319
250 CC – ETZ CLASSIC / ETZ 250 / ETZ 251	13-15		81 >	W24FS-U	4038	0,6	IWF24	5380
250 CC – SAXON FUN	13-15		91 >	W24FS-U	4038	0,6	IWF24	5380
250 CC – SAXON TOUR	13-15		91 >	W24FS-U	4038	0,6	IWF24	5380
250 CC – TS 250				W24FS-U	4038	0,5	IWF24	5380
300 CC – ES 300				W22FS-U	4025	0,5	IWF22	5379
301 CC – ETZ CLASSIC / ETZ 301	17		90 >	W24FS-U	4038	0,6	IWF24	5380
301 CC – SAXON FUN / TOUR / 301	17		91 >	W24FS-U	4038	0,6	IWF24	5380
350 CC – BK 350				W20FSR-U	6053	0,5	IWF22	5379
500 CC – ETZ 500 R		ROTAX	92 >	X24ESR-U	4101	0,7	IX24	5372
500 CC – SAXON COUNTRY / FUN	20-25	ROTAX	93 >	X24ESR-U	4101	0,7	IX24	5372
500 CC – SAXON TOUR	20-25	ROTAX	91 >	X24ESR-U	4101	0,7	IX24	5372
500 CC – SAXON VOYAGER	20-25	ROTAX	93 >	X24ESR-U	4101	0,7	IX24	5372
500 CC – SILVER STAR CLASSIC	20-25	ROTAX	92 >	X24ESR-U	4101	0,7	IX24	5372
660 CC – 660 SUPERMOTO	37		05 >	X27EPR-U9	4111	0,9	IX27B	5377
660 CC – BAGHIRA	37	(STANDARD)	97 >	X27EPR-U9	4111	0,9	IX27B	5377







	KW			Standard			Alternative	
								
MZ continued								
660 CC – BAGHIRA	37	(CITY DRIVING = OPTION)	97 >	X24EPR-U9	4096	0,9	IX24B	5376
660 CC – MASTIFF	37	(STANDARD)	97 >	X27EPR-U9	4111	0,9	IX27B	5377
660 CC – MASTIFF	37	(CITY DRIVING = OPTION)	97 >	X24EPR-U9	4096	0,9	IX24B	5376
660 CC – SKORPION REPLICIA 660	35		95 >	X27EPR-U9	4111	0,9	IX27B	5377
660 CC – SKORPION SPORT	35		94 >	X27EPR-U9	4111	0,9	IX27B	5377
660 CC – SKORPION TOURING / TRAVELLER	35		94 >	X27EPR-U9	4111	0,9	IX27B	5377
850 CC – KOBRA 850			95 >	X24EPR-U9	4096	0,9	IX24B	5376
1000 CC – 1000 S	86		04 >	K20PBR	5060	0,8	IK20	5304
1000 CC – 1000 SF	83		05 >	K20PBR	5060	0,8	IK20	5304
1000 CC – 1000 ST	83		05 >	K20PBR	5060	0,8	IK20	5304
N.S.U.								
50 CC – QUICK 50 (3.1KW) / MAX SPECIAL, -SUPER				W22FS-U	4025	0,5	IWF22	5379
50 CC – QUICKLY (1.5KW) / MAXI / PRIMA III /-V				W20FSR-U	6053	0,5	IWF22	5379
NORTON								
350 CC – MANX 30 / 40				-		0,5	IW31	5319
588 CC – COMMANDER (ROTARY ENGINE)		LIQUID COOLED		U24ESR-N	4126	0,6	IU24	5362
588 CC – F 1 (ROTARY ENGINE)	59	LIQUID COOLED		U27ESR-N	4131	0,6	IU24	5362
650 CC – DOMINATOR / MANXMAN / MERCURY				W22ESR-U	3098	0,5	IW24	5316
750 CC – ATLAS / RANGER P11A				W24EPR-U	4136	0,6	IU24	5362
750 CC – COMMANDO 750			68 > 70	W24EPR-U	4136	0,6	IW24	5316
750 CC – COMMANDO 750			71 > 77	W22EPR-U	3088	0,6	IW22	5307
850 CC – COMMANDO 850				W22EPR-U	3088	0,6	IW22	5307
PENTON > KTM PEUGEOT								
50 CC – 101 / 102 / 102 M			75 >	W16FS-U	3034	0,5	IWF16	5359
50 CC – 102 MV / MVL				W22FS-U	4025	0,5	IWF22	5379
50 CC – 103	0.7-1	50 KM/H		W20FSR-U	6053	0,5	IWF22	5379
50 CC – 103			75 >	W16FS-U	3034	0,5	IWF16	5359
50 CC – 103 CRX / RCX / MP / MR / T16				W24FS-U	4038	0,5	IWF24	5380
50 CC – 103 LC / TXR / TXLC				W24ESR-U	4033	0,5	IW24	5316
50 CC – 103 LSM-D			82 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – 103 MV / -MVL / Z				W22FS-U	4025	0,5	IWF22	5379
50 CC – 103 RACING / VOGUE / TA2 / SA2				W24FS-U	4038	0,5	IWF24	5380
50 CC – 103 SP			> 86	W22FS-U	4025	0,5	IWF22	5379
50 CC – 103 SP			86 >	W24FS-U	4038	0,5	IWF24	5380
50 CC – 103 SPM-D			75 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – 104 / 105		(STANDARD)		W16FS-U	3034	0,5	IWF16	5359
50 CC – 104 / 105		(FAST DRIVING = OPTION)		W20FSR-U	6053	0,5	IWF22	5379
50 CC – 5 T				W24FS-U	4038	0,5	IWF24	5380
50 CC – BB 3K / BB 3L / BB 3SP				W20FSR-U	6053	0,5	IWF22	5379
50 CC – BLASTER				W22FSR	4024	0,6	IWF22	5379
50 CC – BLASTER RS 12			08 >	W22FSR	4024	0,6	IWF22	5379
50 CC – BUXY / BUXY RS	3.7		93 >	W22FS-U	4025	0,6	IWF22	5379
50 CC – BUXY / BUXY RS		<I, GB>	93 >	W24FS-U	4038	0,6	IWF24	5380
50 CC – C 50				W16FS-U	3034	0,5	IWF16	5359
50 CC – COUNTRY (MXC / MXR / MXS)				W24FS-U	4038	0,5	IWF24	5380
50 CC – ELYSÉO	3.1		96 >	W22FSR	4024	0,6	IWF22	5379
50 CC – ELYSTAR 50	3.4	AIR COOLED		N24EXR-B	4225	0,6	IU24	5362
50 CC – FOX	1	25 KM/H	92 >	W20FSR-U	6053	0,6	IWF22	5379
50 CC – FOX	2.5		92 >	W22FS-U	4025	0,6	IWF22	5379
50 CC – FOX		<NL, F>	92 >	W22FSR	4024	0,6	IWF22	5379
50 CC – GL 10			79 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – GT 10				W20FSR-U	6053	0,5	IWF22	5379
50 CC – JET FORCE 50	3.75	LIQUID COOLED	03 >	N24EXR-B	4225	0,6	IU24	5362
50 CC – JET FORCE C-TECH			05 >	U22ESR-N	4174	0,6	IU22	5361
50 CC – JET FORCE H2I			11 >	-		0,6	IU22	5361
50 CC – KISBEE / -RS		4-STROKE, 25 & 45 KM/H	10 >	U22FSR-U	4008	0,7	IUF22	5383
50 CC – LOOXOR 50	2.9	AIR COOLED		W22FSR	4024	0,6	IWF22	5379
50 CC – LOOXOR 50 TSDI	3.4			W24ESR-U	4033	0,6	IW24	5316
50 CC – LUDIX 2			04 >	W22FSR	4024	0,6	IWF22	5379
50 CC – LUDIX BLASTER FURIOUS			11 >	-		0,8	IU24A	5365
50 CC – METROPOLIS				W20FSR-U	6053	0,5	IWF22	5379
50 CC – NK7			10 >	W27ESR	6069	0,6	IW27	5317
50 CC – P 80				W24FS-U	4038	0,5	IWF24	5380
50 CC – RS / RT				W16FS-U	3034	0,5	IWF16	5359
50 CC – S 157				W16FS-U	3034	0,5	IWF16	5359
50 CC – S 55				W16FS-U	3034	0,5	IWF16	5359
50 CC – SAMBA SR 50	3		96 >	W24FS-U	4038	0,5	IWF24	5380
50 CC – SC 50 / SC 50 L				W20FSR-U	6053	0,5	IWF22	5379



	KW			Standard			Alternative	
								
PENTON > KTM PEUGEOT <i>continued</i>								
50 CC – SC 50 L				W20FPR-U	3070	0,6	IWF20	5378
50 CC – SCOPER V 50 / V 50D / 50DC			84 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – SP 3 A / SPN				W24FS-U	4038	0,5	IWF24	5380
50 CC – SPEEDAKE	3.6		95 >	W24FS-U	4038	0,6	IWF24	5380
50 CC – SPEEDFIGHT	4		96 >	W22FSR	4024	0,6	IWF22	5379
50 CC – SPEEDFIGHT 2 AC / LC				W22FSR	4024	0,6	IWF22	5379
50 CC – SPEEDFIGHT 3		2-STROKE LIQUID COOLED, 45KM/H	09 >	-		0,8	IU22	5361
50 CC – SPEEDFIGHT 3		2-STROKE AIR COOLED, 25KM/H	09 >	W16FPR-U	4192	0,7	IWF16	5359
50 CC – SPEEDFIGHT 3		2-STROKE AIR COOLED, 45KM/H	09 >	W22FSR	4024	0,7	IWF22	5379
50 CC – SPEEDFIGHT 3		4-STROKE, 25 & 45 KM/H	09 >	W22FSR	4024	0,7	IWF22	5379
50 CC – SPEEDFIGHT 3 LE MANS			11 >	W22FSR	4024	0,7	IWF22	5379
50 CC – SPEEDFIGHT LC (LIQUID)			97 >	W22FSR	4024	0,6	IWF22	5379
50 CC – SQUAB	3.6		96 >	W24FSR	4037	0,6	IWF24	5380
50 CC – ST 50 / ST 50 L (2) / RAPIDO			87 >	W20FR-L	4161	0,5	IWF20	5378
50 CC – SV 50 / SV JUNIOR			91 >	W24FS-U	4038	0,5	IWF24	5380
50 CC – SX 5				W16FS-U	3034	0,5	IWF16	5359
50 CC – TKR	3.5			W22FSR	4024	0,6	IWF22	5379
50 CC – TLX 50 / TSA			80 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – TREKKER / TKR	3.5		98 >	W24FSR	4037	0,6	IWF24	5380
50 CC – TSN				W24FS-U	4038	0,5	IWF24	5380
50 CC – TWEET			10 >	U22FSR-U	4008	0,6	IUF22	5383
50 CC – V-CLIC			07 >	U22FSR-U	4008	0,6	IUF22	5383
50 CC – VIVACITY		2-STROKE AIR COOLED, 25KM/H	10 >	W16FPR-U	4192	0,7	IWF16	5359
50 CC – VIVACITY		2-STROKE AIR COOLED, 45KM/H	10 >	W22FSR	4024	0,7	IWF22	5379
50 CC – VIVACITY	3.3		99 >	W22FSR	4024	0,6	IWF22	5379
50 CC – VIVACITY 4T		4-STROKE, 25 & 45 KM/H	10 >	U22FSR-U	4008	0,6	IUF22	5383
50 CC – X 125 LC				W31ESR-U	4176	0,5	IW31	5319
50 CC – XP / XPLC (HOLLYWOOD)			86 >	W24ESR-U	4033	0,5	IW24	5316
50 CC – XR7			10 >	W27ESR	6069	0,6	IW27	5317
50 CC – ZENITH (A / L / MA)			95 >	W22FSR	4024	0,6	IWF22	5379
50 CC – ZENITH (LM / LM2)			95 >	W24FS-U	4038	0,6	IWF24	5380
80 CC – SC 80 L			82 >	W20FPR-U	3070	0,7	IWF20	5378
80 CC – SV 80			92 >	W24FS-U	4038	0,6	IWF24	5380
80 CC – SX 80 T			78 > 83	W22FS-U	4025	0,5	IWF22	5379
100 CC – ELYSÉO 100	6.7		99 >	W24ESR-U	4033	0,6	IW24	5316
100 CC – P 51-53				W20SR-U	3075	0,5	-	
100 CC – SPEEDFIGHT 100	6.7		97 >	W24ESR-U	4033	0,6	IW24	5316
100 CC – SPEEDFIGHT 2 100 / WRC 100	7	AIR COOLED	03 >	W24ESR-U	4033	0,6	IW24	5316
100 CC – TREKKER 100	6.7		98 >	W24ESR-U	4033	0,6	IW24	5316
100 CC – VIVACITY 100	6.7		99 >	W24ESR-U	4033	0,6	IW24	5316
125 CC – 55 C / D / O				W20FSR-U	6053	0,5	IWF22	5379
125 CC – CITYSTAR			11 >	U24ESR-NB	4223	*	IU24	5362
125 CC – ELYSÉO 125	9		99 >	U24ESR-N	4126	0,7	IU24	5362
125 CC – ELYSTAR 125	9	LIQUID COOLED		U24ESR-N	4126	0,7	IU24	5362
125 CC – GEOPOLIS 125	11		06 >	U22ESR-N	4174	0,6	IU22	5361
125 CC – JET FORCE 125		(+ = ADD TERMINAL)	03 >	U22ESR-N+	4174	0,7	IU22	5361
125 CC – LXR 125			09 >	U22ESR-N	4174	0,6	IU22	5361
125 CC – RS GEOPOLIS			08 >	U24ESR-NB	4223	0,7	IU24	5362
125 CC – RS GEOPOLIS 125			08 >	U24ESR-NB	4223	*	IU24	5362
125 CC – RS SATELIS			08 >	U24ESR-NB	4223	0,7	IU24	5362
125 CC – SATELIS 125	11		04 >	U27ESR-NB	4224	0,6	IU27	5363
125 CC – SATELIS 125 COMPRESSOR	11		06 >	U24ETR	4158	0,6	IU24A	5365
125 CC – SATELIS COMPRESSOR "BLACK SAT"		LIQUID COOLED, 4-STROKE	08 >	U27ESR-NB	4224	*	IU27	5363
125 CC – SUM UP			08 > 09	U27ESR-NB	4224	0,6	IU27	5363
125 CC – SUM UP			10 >	U22FSR-U	4008	0,7	IUF22	5383
125 CC – SV 125			91 >	W20FPR-U	3070	0,7	IWF20	5378
125 CC – SY 125 GEO			93 >	W20FSR-U	6053	0,5	IWF22	5379
125 CC – TWEET			10 >	U22FSR-U	4008	0,7	IUF22	5383
125 CC – VIVACITY			10 >	U22FSR-U	4008	0,7	IUF22	5383
125 CC – WTR			07 >	U27ESR-NB	4224	0,7	IU27	5363
125 CC – X 125 LC / 550				W27ESR-U	4045	0,5	IW27	5317
150 CC – ELYSTAR 150	10.5	LIQUID COOLED		U22ESR-N	4174	0,7	IU22	5361
150 CC – P 150				W20FSR-U	6053	0,5	IWF22	5379
150 CC – TWEET			10 >	U22FSR-U	4008	0,7	IUF22	5383
155 CC – P 155 / P 156				W20FSR-U	6053	0,5	IWF22	5379
175 CC – 176 / 176 BB / TC				W20FSR-U	6053	0,5	IWF22	5379
175 CC – 176 GRAND SPORT				W24ESR-U	4033	0,5	IW24	5316
200 CC – LXR 200			09 >	U22ESR-N	4174	0,6	IU22	5361









	KW			Standard			Alternative	
								
PENTON > KTM PEUGEOT <i>continued</i>								
250 CC – 256				W22FS-U	4025	0,5	IWF22	5379
250 CC – GEOPOLIS 250 / RS GEOPOLIS 250	16.5		06 >	U22ESR-N	4174	0,6	IU22	5361
250 CC – SATELIS 250	16.2		06 >	U22ESR-N	4174	0,6	IU22	5361
250 CC – SATELIS 250			08 >	-		0,7	IU24	5362
400 CC – GEOPOLIS 400 / RS GEOPOLIS 400	24	(+ = ADD TERMINAL) PIAGGIO ENGINE	07 >	U22ETR+	4201	0,7	IU22	5361
400 CC – SATELIS 400 / RS SATELIS 400	24	(+ = ADD TERMINAL) PIAGGIO ENGINE	07 >	U22ETR+	4201	0,7	IU22	5361
500 CC – GEOPOLIS 500		(+ = ADD TERMINAL) PIAGGIO ENGINE	08 >	U22ETR+	4201	0,7	IU22	5361
500 CC – SATELIS 500 / RS SATELIS 500	27.5	(+ = ADD TERMINAL) PIAGGIO ENGINE	07 >	U22ETR+	4201	0,7	IU22	5361
PGO								
50 CC – BIG MAX 50		(STANDARD)	94 >	W20FPR-U	3070	0,6	IWF20	5378
50 CC – BIG MAX 50		(FAST DRIVING = OPTION)	94 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – COMET			93 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – GALAXY 50			93 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – PMX 50 / PMX 50 SPORT			99 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – ROAD 66			95 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – RODOSHOW			00 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – STAR 2				W22FPR-U	4022	0,6	IWF22	5379
50 CC – STAR 50			93 >	W20FPR-U	3070	0,6	IWF20	5378
50 CC – TORNADO 50			97 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – T-REX 50			99 >	W22FPR-U	4022	0,6	IWF22	5379
80 CC – STAR 80			94 >	W20FPR-U	3070	0,6	IWF20	5378
90 CC – GALAXY 90			94 >	W22FPR-U	4022	0,6	IWF22	5379
125 CC – T-REX 125		2-STROKE	98 >	W22FPR-U	4022	0,6	IWF22	5379
125 CC – T-REX 125		4-STROKE	98 >	U22FSR-U	4008	0,7	IUF22	5383
PIAGGIO								
25 CC – FREE 25 MOFA				W24EPR-U	4136	0,5	IW24	5316
25 CC – ZIP 25 MOFA				W24EPR-U	4136	0,5	IW24	5316
25 CC – ZIP BASE 25 / MOFA				W24EPR-U	4136	0,5	IW24	5316
50 CC – APE				W20FSR-U	6053	0,5	IWF22	5379
50 CC – BOSS				W16FS-U	3034	0,5	IWF16	5359
50 CC – BOXER			70 > 82	W16FS-U	3034	0,5	IWF16	5359
50 CC – BRAVO		(L=19.0MM THREAD)	72 >	W16ESR-U	3110	0,5	IW16	5305
50 CC – BRAVO		(L=12.7MM THREAD)	72 >	W16FS-U	3034	0,5	IWF16	5359
50 CC – CIAO			67 >	W16FS-U	3034	0,5	IWF16	5359
50 CC – DIESIS 50				W27ESR-U	4045	0,7	IW27	5317
50 CC – EAGLET				W27ESR-U	4045	0,5	IW27	5317
50 CC – FLY 50 2T		2-STROKE	06 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – FLY 50 4T		4-STROKE	06 >	-		0,7	IU22	5361
50 CC – FREE			93 >	W27ESR-U	4045	0,5	IW27	5317
50 CC – FREE KAT				W27ESR-U	4045	0,7	IW27	5317
50 CC – GRILLO			90 >	W20FSR-U	6053	0,5	IWF22	5379
50 CC – LIBERTY 50 2T			97 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – LIBERTY 50 4T			02 > 05	U27ESR-NB	4224	0,8	IU27	5363
50 CC – LIBERTY 50 4T			06 >	-		0,7	IU22	5361
50 CC – NRG 50			95 >	W24ESR-U	4033	0,6	IW24	5316
50 CC – NRG MC / MC ²		LIQUID COOLED	96 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – NRG MC3 / EXTREME (DD)		LC (FIXED TERMINAL)	00 >	W27ESR(B)	6069	0,6	IW27	5317
50 CC – NRG MC3 / EXTREME (DT)		AC (FIXED TERMINAL)	00 >	W27ESR(B)	6069	0,6	IW27	5317
50 CC – NSP 4T (ARIA)			02 >	U27ESR-NB	4224	0,8	IU27	5363
50 CC – NTT (LIQUID COOLED)		LIQUID COOLED	96 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – PK 50 S / -AUTOMATIC				W22ESR-U	3098	0,5	-	
50 CC – PK 50 S / -ELESTART / -PLURIMATIC				W16FS-U	3034	0,5	IWF16	5359
50 CC – PUCH MAXI N / P1 XL 2 GANG	1.1		89 >	W16FS-U	3034	0,5	IWF16	5359
50 CC – QUARTZ 50 (AUTOMATIC)			91 >	W27ESR-U	4045	0,7	IW27	5317
50 CC – RUSH				W22FSR	4024	0,6	IWF22	5379
50 CC – SFERA 50			91 >	W27ESR-U	4045	0,5	IW27	5317
50 CC – SI (-MOFA / -MOPED / -VELO)			78 >	W16FS-U	3034	0,5	IWF16	5359
50 CC – SI ELECTRO				W22FS-U	4025	0,5	IWF22	5379
50 CC – SKIPPER				W27ESR-U	4045	0,6	IW27	5317
50 CC – STORM			94 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – SUPER BRAVO (MOFA)			85 >	W16FS-U	3034	0,5	IWF16	5359
50 CC – SUPER BRAVO ELECTRO				W22FS-U	4025	0,5	IWF22	5379
50 CC – TPH 50 / TPH 50 XR			93 >	W27ESR-U	4045	0,5	IW27	5317
50 CC – TYPHOON 50 / THUNDERBOLT 50			93 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – VELOFAX / MOFA				W24EPR-U	4136	0,6	IW24	5316
50 CC – VESPA 50 R / -SPECIAL				W20FSR-U	6053	0,5	IWF22	5379
50 CC – VESPA 50 R / -N / -TS / -SS / -SR / -SP				W16FS-U	3034	0,5	IWF16	5359
50 CC – VESPA 50 S / VESPA ELESTART				W20FSR-U	6053	0,5	IWF22	5379









	KW			Standard			Alternative	
								
PIAGGIO continued								
50 CC – VESPA DELTA				W22FS-U	4025	0,5	IWF22	5379
50 CC – VESPA ET 2			97 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – VESPA ET 2		INJ. (+ = ADD TERMINAL)	97 >	U22ESR-N+	4174	0,6	IU22	5361
50 CC – VESPA ET 2 I		INJ. (Ø 12MM THREAD)	99 >	-		0,7	IXU27	5337
50 CC – VESPA ET 4			02 > 05	U27ESR-NB	4224	0,8	IU27	5363
50 CC – VESPA ET 4			06 >	-		0,7	IU22	5361
50 CC – VESPA ET3 PRIMAVERA				W22FSR	4024	0,6	IWF22	5379
50 CC – VESPA HP 4M			93 >	W22FS-U	4025	0,5	IWF22	5379
50 CC – VESPA LX 50 2T		2-STROKE	06 >	W27ESR-U	4045	0,7	IW27	5317
50 CC – VESPA LX 50 4T			06 >	-		0,7	IU22	5361
50 CC – VESPA LX 50 4T 4V			10 >	Y27FER-C	4162	0,6	IY27	5401
50 CC – VESPA LXV 50				W27ESR-U	4045	0,6	IW27	5317
50 CC – VESPA PK 50			82 > 88	W20FSR-U	6053	0,5	IWF22	5379
50 CC – VESPA PK 50 S			82 > 88	W20FSR-U	6053	0,5	IWF22	5379
50 CC – VESPA PK 50 S AUTO				W20ESR-U	3057	0,5	IW20	5306
50 CC – VESPA PK 50 SS / PK 50 XL2				W22FS-U	4025	0,5	IWF22	5379
50 CC – VESPA PK 50 XL 2 AUTO				W24ESR-U	4033	0,5	IW24	5316
50 CC – VESPA PLURIMATIC				W20FSR-U	6053	0,5	IWF22	5379
50 CC – VESPA PX 50				W20FSR-U	6053	0,5	IWF22	5379
50 CC – VESPA S 50			08 >	W27ESR-U	4045	*	IW27	5317
50 CC – VESPA S 50 4T			09 >	Y27FER-C	4162	0,6	IY27	5401
50 CC – VESPA SFERA 50 AUTO			91 >	W27ESR-U	4045	0,5	IW27	5317
50 CC – VESPA VALE ESPECIAL/STANDARD				W16FS-U	3034	0,5	-	
50 CC – VESPINO			81 > 97	W22FS-U	4025	0,5	IWF22	5379
50 CC – VESPINO VELOFAX (F18)	2.6		97 >	W27ESR-U	4045	0,5	IW27	5317
50 CC – ZIP / ZIP & ZIP			92 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – ZIP FAST RIDER (ZIP FR)			92 >	W27ESR-U	4045	0,7	IW27	5317
50 CC – ZIP SP / ZIP II		LIQUID COOLED	96 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – ZIP SP / ZIP II		LC, EURO	96 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – ZIP SP / ZIP II		LC, CAT. (FIXED TERMINAL)	96 >	W27ESR(B)	6069	0,6	IW27	5317
75 CC – SKR CITY				W27ESR	6069	0,6	IW27	5317
75 CC – VESPA PK 75S PRIMAVERA / T3 PRIMA.				W22FS-U	4025	0,5	IWF22	5379
75 CC – VESPA PK 75S/ELESTART/JUNIOR				W22FS-U	4025	0,5	IWF22	5379
75 CC – VESPA PK 75XL/ ELESTART				W27ESR-U	4045	0,6	IW27	5317
80 CC – SFERA 80				W27ESR-U	4045	0,7	IW27	5317
80 CC – SKIPPER 80	5.5		95 >	W27ESR-U	4045	0,6	IW27	5317
80 CC – TPH 80			94 >	W27ESR-U	4045	0,5	IW27	5317
80 CC – TPH AUTOMATIC			94 >	W27ESR-U	4045	0,5	IW27	5317
80 CC – TYPHOON 80	4.5		95 >	W27ESR-U	4045	0,6	IW27	5317
80 CC – VESPA 80				W22ESR-U	3098	0,5	-	
80 CC – VESPA PK 80 S			82 > 86	W22FS-U	4025	0,5	IWF22	5379
80 CC – VESPA PX 80 E LUSO				W22ESR-U	3098	0,5	-	
80 CC – VESPA PX 80 E, P 80 X				W20ESR-U	3057	0,5	IW20	5306
80 CC – VESPA SFERA 80 AUTO				W27ESR-U	4045	0,5	IW27	5317
90 CC – VESPA 90 RACER				W22FS-U	4025	0,5	IWF22	5379
90 CC – VESPA SS 90				W22FS-U	4025	0,5	IWF22	5379
100 CC – DIESIS 100			01 >	U24ESR-NB	4223	0,6	IU24	5362
100 CC – FLY 100			06 >	U27ESR-NB	4224	0,7	IU27	5363
100 CC – FREE 100			02 >	U24ESR-NB	4223	0,6	IU24	5362
100 CC – PK 100 S			82 >	W22FSR	4024	0,6	IWF22	5379
100 CC – VESPA PK 100			82 >	W22FS-U	4025	0,5	IWF22	5379
100 CC – ZIP 100			06 >	U27ESR-NB	4224	0,7	IU27	5363
125 CC – APE				W22FS-U	4025	0,5	IWF22	5379
125 CC – BEVERLY 125 / TOURER 125			02 >	U24ESR-NB	4223	0,8	IU24	5362
125 CC – CARNABY 125			07 >	U24ESR-NB	4223	0,6	IU24	5362
125 CC – COSA 125			> 91	W24ESR-U	4033	0,5	IW24	5316
125 CC – COSA 125 MA AE			88 >	W27ESR-U	4045	0,6	IW27	5317
125 CC – COSA FL 125			91 >	W27ESR-U	4045	0,5	IW27	5317
125 CC – ET 3				W22FSR	4024	0,6	IWF22	5379
125 CC – ET 4	8.8	(+ = ADD TERMINAL)	96 >	U22ESR-N+	4174	0,6	IU22	5361
125 CC – FLY 125	7.9		05 >	U22ESR-N	4174	0,6	IU22	5361
125 CC – HEXAGON 125	9-11		93 >	W27ESR-U	4045	0,6	IW27	5317
125 CC – HEXAGON LX 4T / 4V H2O WATERCOLER				U24ESR-NB	4223	0,6	IU24	5362
125 CC – HEXAGON LX 4TAKT 2V AIR				U22ESR-N	4174	0,8	IU22	5361
125 CC – LIBERTY 125			02 >	U22ESR-N	4174	0,8	IU22	5361
125 CC – MP3 125 I.E.			06 >	U24ESR-NB	4223	0,6	IU24	5362
125 CC – MP3 HYBRID 125			09 >	U24ESR-NB	4223	0,6	IU24	5362









	KW			Standard			Alternative	
								
PIAGGIO continued								
125 CC – SFERA 125 (RST)	8.8		95 >	U22ESR-N	4174	0,6	IU22	5361
125 CC – SKIPPER 125 (SKR125)	9-10		94 >	W27ESR-U	4045	0,7	IW27	5317
125 CC – SKIPPER 125 ST	9-10		00 >	W27ESR-U	4045	0,6	IW27	5317
125 CC – SKR 125			93 >	W27ESR-U	4045	0,6	IW27	5317
125 CC – SUPER HEXAGON 125 GTX			01 >	W27ESR-NB	4224	0,7	IU27	5363
125 CC – TYPHOON 125 / TPH 125 X-R	9-11		95 >	W27ESR-U	4045	0,6	IW27	5317
125 CC – VESPA 125 CL/LS/NK PRIMAVERA				W20FSR-U	6053	0,5	IWF22	5379
125 CC – VESPA 125 FL2			90 >	W22FS-U	4025	0,6	IWF22	5379
125 CC – VESPA 125 T5			85 >	W24ESR-U	4033	0,5	IW24	5316
125 CC – VESPA 125 T5 SPORT/ELESTART				W27ESR-U	4045	0,6	IW27	5317
125 CC – VESPA COSA 125			> 91	W24ESR-U	4033	0,5	IW24	5316
125 CC – VESPA COSA FL 125			91 >	W27ESR-U	4045	0,5	IW27	5317
125 CC – VESPA ET 3				W22FS-U	4025	0,5	IWF22	5379
125 CC – VESPA GANDTURISMO			> 04	U27ESR-NB	4224	0,6	IU27	5363
125 CC – VESPA GT			03 >	U24ESR-NB	4223	0,6	IU24	5362
125 CC – VESPA GTR				W16FS-U	3034	0,5	IWF16	5359
125 CC – VESPA GTS 125			07 >	-		0,7	IU24A	5365
125 CC – VESPA GTS SUPER 125 I.E.			10 >	-		0,7	IU24A	5365
125 CC – VESPA GTV 125				U24ESR-NB	4223	0,6	IU24	5362
125 CC – VESPA LX 125			05 >	-		0,8	IU22	5361
125 CC – VESPA LX 125 I.E.			09 >	U24ESR-NB	4223	0,7	IU24	5362
125 CC – VESPA LXV 125				-		0,8	IU22	5361
125 CC – VESPA P 125 CL				W16FS-U	3034	0,5	IWF16	5359
125 CC – VESPA P 125 ETS			83 > 86	W24ESR-U	4033	0,5	IW24	5316
125 CC – VESPA P 125 X				W16FS-U	3034	0,5	IWF16	5359
125 CC – VESPA PK 125 / -S			> 83	W16FS-U	3034	0,5	IWF16	5359
125 CC – VESPA PK 125 / -S / -E			84 >	W22FS-U	4025	0,5	IWF22	5379
125 CC – VESPA PK 125 XL 2				W24ESR-U	4033	0,5	IW24	5316
125 CC – VESPA PK 125 XL AUTO				W24FS-U	4038	0,5	IWF24	5380
125 CC – VESPA PK AUTOMATICA				W22FS-U	4025	0,5	IWF22	5379
125 CC – VESPA PRIMAVERA			76 > 84	W22FS-U	4025	0,5	IWF22	5379
125 CC – VESPA PX 125 E LUSSO			82 >	W20FSR-U	6053	0,5	IWF22	5379
125 CC – VESPA PX 125 FL DT		(STANDARD)	00 >	W16FS-U	3034	0,6	IWF16	5359
125 CC – VESPA PX 125 FL DT		(FAST DRIVING = OPTION)	00 >	W20FSR-U	6053	0,6	IWF22	5379
125 CC – VESPA S 125 I.E.			08 >	-		0,8	IU22	5361
125 CC – VESPA SPECIAL ET3 PRIMAVERA				W22FS-U	4025	0,6	IWF22	5379
125 CC – VESPA SPECIAL ET4 CARBURATORE				U24ESR-NB	4223	0,6	IU24	5362
125 CC – VESPA SUPER				W16FS-U	3034	0,5	IWF16	5359
125 CC – VESPA T3LI/T3				W20FSR-U	6053	0,5	IWF22	5379
125 CC – VESPA T5				W16FS-U	3034	0,5	IWF16	5359
125 CC – VESPA XL 125 PLURIMAT/ELESTART				W22FS-U	4025	0,6	IWF22	5379
125 CC – X 8			04 >	U24ESR-NB	4223	0,6	IU24	5362
125 CC – X EVO			06 >	U24ESR-NB	4223	0,6	IU24	5362
125 CC – X7 EVO 125 I.E.			07 >	U24ETR	4158	0,7	IU24A	5365
125 CC – X-9 125	11		> 02	U27ESR-NB	4224	0,6	IU27	5363
125 CC – X-9 125	11		01 >	U27ESR-NB	4224	0,7	IU27	5363
125 CC – ZIP 125			01 >	U24ESR-NB	4223	0,7	IU24	5362
150 CC – FLY 150	8.7		06 >	U22ESR-N	4174	0,6	IU22	5361
150 CC – HEXAGON (EX 150)	11.5		94 >	W27ESR-U	4045	0,6	IW27	5317
150 CC – LIBERTY 150			02 >	U22ESR-N	4174	0,8	IU22	5361
150 CC – PX 150 E LUSSO			82 >	W20FSR-U	6053	0,5	IWF22	5379
150 CC – SKIPPER 150	11		94 >	W27ESR-U	4045	0,7	IW27	5317
150 CC – SKIPPER ST 150 4TAKT			> 00	W27ESR	6069	0,7	IW27	5317
150 CC – SKIPPER ST 4T			01 >	U22ESR-N	4174	0,8	IU22	5361
150 CC – SKR 150			98 >	W27ESR-U	4045	0,5	IW27	5317
150 CC – VESPA 150 ET4			> 01	U22ESR-N	4174	0,6	IU22	5361
150 CC – VESPA 150 ET4			01 > 02	U24ESR-NB	4223	0,6	IU24	5362
150 CC – VESPA 150 ET4			02 >	U22ESR-N	4174	0,8	IU22	5361
150 CC – VESPA 150 LONG 12,7 MM				W20FSR-U	6053	0,5	IWF22	5379
150 CC – VESPA 150 LONG 19,0 MM				W20ESR-U	3057	0,5	-	
150 CC – VESPA 150 SPRINT VELOCE / SUPER			69 > 81	W16FS-U	3034	0,5	IWF16	5359
150 CC – VESPA COSA 150			88 >	W24ESR-U	4033	0,7	IW24	5316
150 CC – VESPA LX 150			08 >	U22ESR-N	4174	0,8	IU22	5361
150 CC – VESPA LX 150 I.E.			09 >	U22ESR-N	4174	0,8	IU22	5361
150 CC – VESPA P 150 S			78 > 87	W16FS-U	3034	0,5	IWF16	5359
150 CC – VESPA P 150 X				W16FS-U	3034	0,5	IWF16	5359
150 CC – VESPA PX 150 E LUSSO			82 >	W20FSR-U	6053	0,5	IWF22	5379
150 CC – VESPA S 150 I.E.			08 >	U22ESR-N	4174	0,8	IU22	5361









	KW			Standard			Alternative	
								
PIAGGIO continued								
160 CC – VESPA 160 GT				W20FSR-U	6053	0,5	IWF22	5379
180 CC – HEXAGON LTX 180			97 >	W27ESR-U	4045	0,5	IW27	5317
180 CC – SUPER HEXAGON 180 GTX			01 >	U24ESR-NB	4223	0,7	IU24	5362
180 CC – VESPA RALLY 180				W20ESR-U	3057	0,5	IW20	5306
180 CC – VESPA SS 180				W20ESR-U	3057	0,5	IW20	5306
180 CC – X 9 4T AMALFI			01 >	U24ESR-NB	4223	0,7	IU24	5362
190 CC – APE				W22FS-U	4025	0,5	IWF22	5379
200 CC – BEVERLY 200			02 >	U24ESR-NB	4223	0,7	IU24	5362
200 CC – CARNABY 200			07 >	U24ESR-NB	4223	0,6	IU24	5362
200 CC – LIBERTY 200			04 >	U22ESR-N	4174	0,8	IU22	5361
200 CC – VESPA 200 DS / -DN				W22ESR-U	3098	0,5	-	
200 CC – VESPA 200 TX/ELESTART				W22ESR-U	3098	0,6	-	
200 CC – VESPA COSA 200			88 > 91	W24ESR-U	4033	0,5	IW24	5316
200 CC – VESPA COSA FL 200			91 >	W24ESR-U	4033	0,5	IW24	5316
200 CC – VESPA GRANTURIMO 200 L				-		0,6	IU24A	5365
200 CC – VESPA P 200 E (.. / LUSSO)			78 >	W20ESR-U	3057	0,5	IW20	5306
200 CC – VESPA PX 200 E (.. / GRAND SPORT)			84 >	W20ESR-U	3057	0,5	IW20	5306
200 CC – VESPA PX 200 FL DT			00 >	W22ESR-U	3098	0,5	-	
200 CC – VESPA RALLY 200				W22ESR-U	3098	0,5	-	
200 CC – X 8 200			03 >	-		0,7	IU24	5362
220 CC – APE				W22FS-U	4025	0,5	IWF22	5379
250 CC – BEVERLY 250 / TOURER 250			03 >	-		0,7	IU24	5362
250 CC – CARNABY 250 / CRUISER 250			03 >	-		0,7	IU24	5362
250 CC – GTS 250				U24ESR-NB	4223	0,6	IU24	5362
250 CC – GTS 250 IE	15.7		06 >	U24ESR-NB	4223	0,6	IU24	5362
250 CC – HEXAGON GT 250 4TAKT			98 >	X20EPR-U9	4125	0,9	IX22B	5375
250 CC – MP3 250 / RST 250			06 >	-		0,7	IU24	5362
250 CC – SUPER HEXAGON GTX 250				U27ESR-N	4131	0,7	IU27	5363
250 CC – VESPA GTV 250 I.E.				-		0,7	IU24	5362
250 CC – VESPA GTV 250 VIA MONTENAPOLEONE			11 >	-		0,7	IU24	5362
250 CC – X 7 250			07 >	-		0,7	IU24	5362
250 CC – X 8 250 I.E.			06 >	-		0,7	IU24	5362
250 CC – X 9 (4T)			00 > 03	X22EPR-U9	4086	0,9	IX22B	5375
250 CC – X 9 EVO			07 >	-		0,7	IU24	5362
250 CC – X 9 EVOLUTION				U24ESR-NB	4223	0,6	IU24	5362
250 CC – X-9 250	14.7		00 >	X22EPR-U9	4086	0,9	IX22B	5375
278 CC – BEVERLY 300 I.E.			11 >	U24ETR	4158	0,7	IU24A	5365
278 CC – BEVERLY TOURER 300 I.E.			10 >	U24ETR	4158		IU24A	5365
278 CC – CARNABY CRUISER 300 I.E.			10 >	U24ETR	4158		IU24A	5365
278 CC – MP3 HYBRID 300 LT			11 >	U24ETR	4158		IU24A	5365
278 CC – MP3 TOURING 300 RL			10 >	U24ETR	4158		IU24A	5365
278 CC – MP3 TOURING LT 300			10 >	U24ETR	4158		IU24A	5365
278 CC – MP3 YOURBAN 300 / -LT			10 >	U24ETR	4158		IU24A	5365
278 CC – VESPA GTS 300 SUPER			08 >	U24ETR	4158	0,7	IU24A	5365
278 CC – VESPA GTS 300 SUPER SPORT			11 >	U24ETR	4158	0,7	IU24A	5365
278 CC – VESPA GTV 300 VIA MONTENAPOLEONE			10 >	U24ETR	4158		IU24A	5365
278 CC – X7 EVO 300 I.E.			10 >	U24ETR	4158		IU24A	5365
400 CC – BEVERLY 400 / TOURER 400			07 >	U22ETR	4201	0,8	-	
400 CC – MP3 TOURING 400 / LT 400			07 >	U22ETR	4201	0,8	-	
400 CC – X 8 400			06 >	U22ETR	4201	0,8	-	
400 CC – X EVO			07 >	U22ETR	4201	0,8	-	
500 CC – BEVERLY 500	29		03 >	U22ETR	4201	0,6	-	
500 CC – BEVERLY CRUISER TS			07 >	U22ETR	4201	0,8	-	
500 CC – MP3 LT 500 -SPORT / -BUSINESS			11 >	U22ETR	4201	0,8	-	
500 CC – X 9 EVO	29	(+ = ADD TERMINAL)	00 >	U22ETR+	4201	0,7	IU22	5361
PLANETA								
350 CC – IZH-5	16			W22FSR	4024	0,6	IWF22	5379
PUCH								
50 CC – COBRA 50 GT / -GTL			> 81	W24FS-U	4038	0,5	IWF24	5380
50 CC – COBRA 50 GT / -GTL			81 >	W27FS-U	4052	0,5	IWF27	5381
50 CC – COBRA T 50-4		<D>		W20FSR-U	6053	0,5	IWF22	5379
50 CC – DS 50 / K / KXN / RN		<D, F>		W20FSR-U	6053	0,5	IWF22	5379
50 CC – DS 60 C / CN / R / RN				W20FSR-U	6053	0,5	IWF22	5379
50 CC – DS50				W20FSR-U	6053	0,5	IWF22	5379
50 CC – DS50 / K / KXN / RN				W20FSR-U	6053	0,5	IWF22	5379
50 CC – DS60 C / CN / R / RN				W20FSR-U	6053	0,5	IWF22	5379
50 CC – GS 50				-		0,5	IWF27	5381
50 CC – GS 50				-		0,5	IWF27	5381









	KW			Standard			Alternative	
								
PUCH continued								
50 CC – GT 50 / GTL 50				W27FS-U	4052	0,5	IWF27	5381
50 CC – KORADO			95 > 98	W22FS-U	4025		IWF22	5379
50 CC – LIDO				W20FPR-U	3070	0,7	IWF20	5378
50 CC – LIDO				W20FPR-U	3070	0,7	IWF20	5378
50 CC – LIDO SL 50				W20FSR-U	6053	0,6	IWF22	5379
50 CC – M 50 JET			78 > 82	W24FS-U	4038	0,5	IWF24	5380
50 CC – M 50 SE / M 50 RACING			78 > 82	W20FSR-U	6053	0,5	IWF22	5379
50 CC – MAXI / MAXI-S / MAXI II-25				W14FR-U	4017	0,5	-	
50 CC – MAXI / S / MAXI II	0.7-0.9			W14FR-U	4017	0,5	-	
50 CC – MAXI II / MAXI-N / MAXI 2 GANG				W16FS-U	3034	0,5	IWF16	5359
50 CC – MAXI II / N / 2 GANG	1.1-1.5			W16FS-U	3034	0,5	IWF16	5359
50 CC – MAXI L / S	1.3-1.6		78 > 86	W22FS-U	4025	0,5	IWF22	5379
50 CC – MAXI S	1.2-1.6	<F>	78 > 82	W20FSR-U	6053	0,5	IWF22	5379
50 CC – MC 60 SCRAMBLER				W24FS-U	4038	0,5	IWF24	5380
50 CC – MONZA / 4C / -SL / -4SZ / -GP			78 > 82	W20FSR-U	6053	0,5	IWF22	5379
50 CC – MS 25				W20FSR-U	6053	0,5	IWF22	5379
50 CC – MS 50 DE LUXE SEARS				W20FSR-U	6053	0,5	IWF22	5379
50 CC – MS 50 STD. SEARS / CALIFORNIA				W20FSR-U	6053	0,5	IWF22	5379
50 CC – MS 50 V (AUTOLEC)				W20FSR-U	6053	0,5	IWF22	5379
50 CC – N 50-4		<NL, B>	75 > 82	W20FSR-U	6053	0,5	IWF22	5379
50 CC – N 50-4	1.8-3.7		75 > 82	W22FS-U	4025	0,5	IWF22	5379
50 CC – NRG MC ²		LIQUID COOLED		W27ESR-U	4045	0,6	IW27	5317
50 CC – P 1 L / P 1 XL / MAGNUM				W14FR-U	4017	0,5	-	
50 CC – R 50 / R 50 K / R 50 M / R 50 R / R 50 V				W20FSR-U	6053	0,5	IWF22	5379
50 CC – VS 50 D / DK / DS / L / L-AUTOLEC				W20FSR-U	6053	0,5	IWF22	5379
50 CC – VS 60 R / R 60 R				W20FSR-U	6053	0,5	IWF22	5379
50 CC – VZ 50 K / R / V				W20FSR-U	6053	0,5	IWF22	5379
50 CC – VZ 50 M				W24FS-U	4038	0,5	IWF24	5380
50 CC – VZ 60 R				W20FSR-U	6053	0,5	IWF22	5379
50 CC – X 30 / X40			74 > 83	W16FS-U	3034	0,5	IWF16	5359
50 CC – X 50 / X 50-3			78 > 83	W22FS-U	4025	0,5	IWF22	5379
50 CC – X 50-2			78 > 83	W14FR-U	4017	0,5	-	
50 CC – ZIP .. / FR / ECO			94 >	W27ESR-U	4045	0,6	IW27	5317
80 CC – COBRA 80		(L=12.7MM THREAD)	81 >	W27FS-U	4052	0,5	IWF27	5381
80 CC – COBRA 80		(L=19.0MM THREAD)	81 > 88	W27ESR-U	4045	0,5	IW27	5317
80 CC – LIDO 80 (SE 80)				W20FPR-U	3070	0,7	IWF20	5378
125 CC – LIDO 125				XU24EPR-U	3180	0,7	IXU24	5309
125 CC – LIDO 125				X24ESR-U	4101	0,7	IX24	5372
125 CC – M 125 EUROPE / -DE LUXE		(L=19.0MM THREAD)		W24ESR-U	4033	0,5	IW24	5316
125 CC – MC 125				W27ESR-U	4045	0,5	IW27	5317
125 CC – MC125				W27ESR-U	4045	0,5	IW27	5317
175 CC – MC 175				W24ESR-U	4033	0,5	IW24	5316
250 CC – GS 250			80 >	W24ESR-U	4033	0,5	IW24	5316
250 CC – MC 250			80 >	W27ESR-U	4045	0,5	IW27	5317
350 CC – GS 350				-		0,6	IW31	5319
366 CC – GS 366			80 >	W24ESR-U	4033	0,5	IW24	5316
500 CC – GS 500			80 >	X27EPR-U9	4111	0,9	IX27B	5377
500 CC – MC 500				-		0,6	IW31	5319
560 CC – GS 560				X27EPR-U9	4111	0,9	IX27B	5377
RAMZEY								
50 CC – MOPED / YANKEE 2001			99 >	W16FS-U	3034	0,6	IWF16	5359
REGENT								
125 CC – RT 125 / DE LUXE / ROADSTER			96 >	W22FS-U	4025	0,6	IWF22	5379
175 CC – DE LUXE / ROADSTER / SPORTS			96 >	W22FS-U	4025	0,6	IWF22	5379
REX (SI ZWEIRAD)								
50 CC – REX 25			> 96	W22FPR-U	4022	0,6	IWF22	5379
50 CC – REX 50	3.1		96 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – REXY 25	1.4		96 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – REXY 50	3.1		96 >	W22FPR-U	4022	0,6	IWF22	5379
REX-MOTOREN-WERKE								
50 CC – 1.4 HP / 1.4 PS	1			W16FS-U	3034	0,5	IWF16	5359
50 CC – 1.6-1.8 HP / 1.6-1.8 PS	1.2-1.3			W22FS-U	4025	0,5	IWF22	5379
50 CC – 4.4 HP / 4.4 PS	3.2			W27FS-U	4052	0,5	IWF27	5381
RIEJU								
50 CC – CONFORT 402 / 403 / PONY 50				W16FS-U	3034	0,5	IWF16	5359
50 CC – CONFORT 501 / HELIOS / VARIMAT				W16FS-U	3034	0,5	IWF16	5359
50 CC – DRAC / RS-1 / RV50		LIQUID COOLED		W22ESR-U	3098	0,5	-	
50 CC – DRAC 50 / MARATHON 50		AIR COOLED		W20ESR-U	3057	0,5	IW20	5306









	KW			Standard			Alternative	
								
RIEJU <i>continued</i>								
50 CC – MRX 50 / MRX 50 TOP SUPERCROSS		AM6	02 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – MX 50		MORINI S6-T	02 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – NKD 50		AM6	03 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – RR 50			00 >	W24ESR-U	4033	0,7	IW24	5316
50 CC – RRX 50	3.5		06 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – RS-1 (EVOLUTION)			00 >	W24ESR-U	4033	0,7	IW24	5316
50 CC – RS-2 MATRIX		AM6	03 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – SMX 50 / SMX 50 TOP SUPERCROSS		AM6	02 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – SPIKE X 50	3.5		06 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – SPRINT / AUTOM. KICK STARTER				W16FS-U	3034	0,5	IWF16	5359
50 CC – STRADA GT 49 / GT SPORT				W20ESR-U	3057	0,5	IW20	5306
50 CC – SUPER MARATHON 50 / FDN / MT				W20ESR-U	3057	0,5	IW20	5306
50 CC – SUPERMOTARD 50			00 >	W24ESR-U	4033	0,7	IW24	5316
50 CC – TANGO 50	1.6			W27ESR-U	4045	0,6	IW27	5317
50 CC – WINDY	3.8	MOTO MINARELLI	96 >	W22FSR	4024	0,5	IWF22	5379
75 CC – MARATHON 74 TT / ENDURO				W20ESR-U	3057	0,5	IW20	5306
75 CC – MARATHON 75 CROSS (COMPETI)				-		0,5	IW31	5319
75 CC – MARATHON 75 ENDURO				-		0,5	IW31	5319
75 CC – MR 74E / MR 75E / STRADA GT 75				W20ESR-U	3057	0,5	IW20	5306
75 CC – TT 406				W20FSR-U	6053	0,5	IWF22	5379
80 CC – MR 80 ENDURO / CROSS (COMPETI)				-		0,5	IW31	5319
80 CC – MR 80E / RST-80				W20ESR-U	3057	0,5	IW20	5306
125 CC – MRX 125			02 >	U22FSR-U	4008	0,6	IUF22	5383
125 CC – NKD 125	7.9		06 >	U22FSR-U	4008	0,6	IUF22	5383
125 CC – RS- 125	7.9		06 >	U22FSR-U	4008	0,6	IUF22	5383
125 CC – RS-2 125	7.5			U22FSR-U	4008	0,6	IUF22	5383
125 CC – SMX 125			02 >	U22FSR-U	4008	0,6	IUF22	5383
125 CC – TANGO 125	7.9		06 >	U22FSR-U	4008	0,6	IUF22	5383
RIERA								
50 CC – WINDY				W22FSR	4024	0,5	IWF22	5379
RIXE								
50 CC – DERBY B				W22FS-U	4025	0,5	IWF22	5379
50 CC – DERBY D				W24FS-U	4038	0,5	IWF24	5380
50 CC – FT / FTH CHAMPION				W16FS-U	3034	0,5	IWF16	5359
50 CC – GESCHAFTSMOPEL				W22FS-U	4025	0,5	IWF22	5379
50 CC – HIGH SPORT / LIBELLE				W16FS-U	3034	0,5	IWF16	5359
50 CC – R 503 / RS 50 BIII/BIV				W16FS-U	3034	0,5	IWF16	5359
50 CC – R 504 / -STANDARD / -STANDARD H				W22FS-U	4025	0,5	IWF22	5379
50 CC – RS 50 S				W24FS-U	4038	0,5	IWF24	5380
50 CC – TURISMO 4			80 >	W22FS-U	4025	0,5	IWF22	5379
50 CC – TURISMO E 21 / ELS / SL 40			80 >	W16FS-U	3034	0,5	IWF16	5359
RIZZATO								
50 CC – ATALA / MASTER			85 >	W16FS-U	3034	0,5	IWF16	5359
50 CC – CALIFFO ... / MINI CALIFFO			77 >	W16FS-U	3034	0,5	IWF16	5359
50 CC – CROSS / SATAN / SUPERSPRINT				W16FS-U	3034	0,5	IWF16	5359
50 CC – HYDRO / MASTER			85 >	W22ESR-U	3098	0,6	-	
50 CC – MIRAGE P4 DAYTONA / RINGO				W16FS-U	3034	0,5	IWF16	5359
50 CC – TURISMO MONOMARCIA / ZUM 3				W16FS-U	3034	0,5	IWF16	5359
125 CC – CROSS (CONGUARO) / TURISMO / COMP.				W24ESR-U	4033	0,5	IW24	5316
ROTAX								
125 CC – CAN-AM 125 MX / -MX-2 / TNT				W27ESR-U	4045	0,5	IW27	5317
175 CC – CAN-AM 175 MX / -MX-2 / TNT				W27ESR-U	4045	0,5	IW27	5317
250 CC – CAN-AM 250 MX-1 / -MX-2				W27ESR-U	4045	0,5	IW27	5317
250 CC – GP / TNT				W27ESR-U	4045	0,5	IW27	5317
RTX								
125 CC – C 125 CROSS / T 125 TRIAL			96 >	W22FS-U	4025	0,6	IWF22	5379
250 CC – C 212 CROSS / T 212 TRIAL			96 >	W24FS-U	4038	0,6	IWF24	5380
SACHS								
30 CC – SAXONETTE CLASSIC	0.5		87 >	W14PR-U	6021	0,5	-	
50 CC – (0.8-1.3 HP / 0.8-1.3 PS)	0.5-1.0			W16FS-U	3034	0,5	IWF16	5359
50 CC – (1.5-1.8 HP / 1.5-1.8 PS)	1.1-1.3			W20FSR-U	6053	0,5	IWF22	5379
50 CC – (2.4-2.6 HP / 2.4-2.6 PS)	1.7-1.9			W22FS-U	4025	0,5	IWF22	5379
50 CC – (3.8-5.2 HP / 3.8-5.2 PS)	2.8-3.8			W27FS-U	4052	0,5	IWF27	5381
50 CC – 49ER 12"	2.8		05 >	U22FSR-U	4008	0,6	IUF22	5383
50 CC – 50 S				W27FS-U	4052	0,5	IWF27	5381
50 CC – BEE 50	2.8			U22FSR-U	4008	0,6	IUF22	5383
50 CC – EAGLE 50	2.8	AIR COOLED		U22FSR-U	4008	0,6	IUF22	5383

	KW			Standard			Alternative		
									
SACHS continued									
50 CC – KX 50	2.7				W20FSR-U	6053	0,5	IWF22	5379
50 CC – LIMBO (L / MA)	1	25 KM/H	96 >		W20FSR-U	6053	0,6	IWF22	5379
50 CC – LIMBO (LM / M)	3.7		96 >		W24FS-U	4038	0,6	IWF24	5380
50 CC – MADASS 50	2		04 >		U22FSR-U	4008	0,6	IUF22	5383
50 CC – MX 1	1.2				W20FSR-U	6053	0,5	IWF22	5379
50 CC – OPTIMA 50			95 >		W24FSR	4037	0,6	IWF24	5380
50 CC – PRIMA 2 / 2S / 3S			89 >		W16FS-U	3034	0,6	IWF16	5359
50 CC – PRIMA 3 / 4LN / 5LN / 6 / G3			78 >		W20FSR-U	6053	0,6	IWF22	5379
50 CC – PRIMA 4			89 >		W20FSR-U	6053	0,6	IWF22	5379
50 CC – PRIMA 5.5S / PRIMA GT			89 >		W16FS-U	3034	0,6	IWF16	5359
50 CC – PRIMA GX/S/SL/SX/PRESTO/PRONTO			78 >		W20FSR-U	6053	0,6	IWF22	5379
50 CC – REGGAE / .. RS		(STANDARD)	96 >		W22FS-U	4025	0,6	IWF22	5379
50 CC – REGGAE / .. RS		(FAST DRIVING = OPTION)	96 >		W24FS-U	4038	0,6	IWF24	5380
50 CC – SAMBA SR 50	3		92 >		W24FS-U	4038	0,5	IWF24	5380
50 CC – SPEEDFIGHT	5.1		96 >		W22FSR	4024	0,6	IWF22	5379
50 CC – SPEEDFIGHT LC	5.1	LIQUID COOLED	97 >		W22FSR	4024	0,6	IWF22	5379
50 CC – SPEEDFORCE 25 / 50 / R50	1.9-2.1		07 >		W20FPR-U	3070	0,6	IWF20	5378
50 CC – SPEEDJET 50	2.1				U22FSR-U	4008	0,6	IUF22	5383
50 CC – SPLINTER	3.7		96 >		W22FS-U	4025	0,6	IWF22	5379
50 CC – SQUAB	3.7		96 >		W24FSR	4037	0,6	IWF24	5380
50 CC – SV 50 / SV 50 JUNIOR			95 >		W24FS-U	4038	0,5	IWF24	5380
50 CC – SWING 50	2.5		93 >		W22FS-U	4025	0,6	IWF22	5379
50 CC – SX-1	2.8				W22FPR-U	4022	0,6	IWF22	5379
50 CC – XE 5 / KX 5			86 >		W22FPR-U	4022	0,6	IWF22	5379
80 CC – 80 S					W27FS-U	4052	0,5	IWF27	5381
80 CC – SAMBA SR 80 / SV 80			94 >		W24FS-U	4038	0,6	IWF24	5380
100 CC – 100 / 3 A / -K / -L					-		0,5	IWF24	5380
100 CC – 100 / 4 S					M22	5003	0,5	-	
100 CC – 1001 / -5A					W27FS-U	4052	0,5	IWF27	5381
125 CC – 125 / -3 K / -LK / -4					M24S	5004	0,5	-	
125 CC – 125 / -5 A					W27FS-U	4052	0,5	IWF27	5381
125 CC – BEE 125	5.6				U22FSR-U	4008	0,6	IUF22	5383
125 CC – DIRTY DEVIL CR	6.3				U22FSR-U	4008	0,7	IUF22	5383
125 CC – EAGLE 125	5.6		08 >		U22FSR-U	4008	0,6	IUF22	5383
125 CC – MADASS 125	6				U22FSR-U	4008	0,7	IUF22	5383
125 CC – ROADSTER 125 V-2	10		97 >		U20FSR-U	4004	0,7	IWF22	5379
125 CC – SR 125 (.. /C) SAMBA	7.1		92 >		W20FPR-U	3070	0,7	IWF20	5378
125 CC – SV 125 (.. /C) SAMBA			92 >		W20FPR-U	3070	0,7	IWF20	5378
125 CC – X-ROAD 125	9.8				U24ESR-N	4126	0,6	IU24	5362
125 CC – XTC 125 / XTC-N 125	8		98 >		W24ESR-U	4033	0,6	IW24	5316
125 CC – XTC 125 / XTC-N 125	11		98 >		W27ESR-U	4045	0,6	IW27	5317
125 CC – ZX 125 / ZZ 125	8		97 >		W24ESR-U	4033	0,6	IW24	5316
125 CC – ZX 125 / ZZ 125	11		97 >		W27ESR-U	4045	0,6	IW27	5317
175 CC – 175 K / -L-AZL / -K					M24S	5004	0,5	-	
200 CC – 200 L-AZL / -ZL-R					M24S	5004	0,5	-	
400 CC – QUATTROCENTO	15-20		08 >		U27ESR-N	4131	0,7	IU27A	5366
650 CC – ROADSTER 650	25-37		99 >		U27ESR-N	4131	0,7	IU27	5363
805 CC – ROADSTER 800 / B 805	43		00 >		X24EPR-U9	4096	0,9	IX24B	5376
SANYANG > SYM SCORPA									
125 CC – SR 125 R			11 >		W16EPR-U	3021	0,5	IW16	5305
125 CC – SY 125 FR	7.2				U22FSR-U	4008	0,6	IUF22	5383
125 CC – TY-S125F		4-STROKE	04 >		U22FSR-U	4008	0,6	IUF22	5383
163 CC – SY 200 FR					U22FSR-U	4008	0,6	IUF22	5383
163 CC – TY-S 200 FR					U22FSR-U	4008	0,6	IUF22	5383
175 CC – TY-S175F		4-STROKE	04 >		U22FSR-U	4008	0,6	IUF22	5383
250 CC – EASY TRAIL			94 >		W16EPR-U	3021	0,7	IW16	5305
250 CC – SY 250		2-STROKE	01 >		-		0,6	IK20	5304
250 CC – SY 250 F / FR / FLR			06 >		U24ESR-N	4126	0,8	IU24	5362
250 CC – T-RIDE 250 F					U24ESR-N	4126	0,8	IU24	5362
272 CC – EASY 280 (ROTAX)			96 >		W24EPR-U	4136	0,7	IW24	5316
280 CC – EASY TRAIL			94 >		W16EPR-U	3021	0,7	IW16	5305
280 CC – SR 280 R			11 >		W16EPR-U	3021	0,5	IW16	5305
SHERCO									
50 CC – 0.5			05 >		W16EPR-U	3021	0,6	IW16	5305
50 CC – 50 ENDURO		AM6	02 >		W27ESR-U	4045	0,6	IW27	5317
50 CC – 50 SM / EN		AM6	02 >		W27ESR-U	4045	0,6	IW27	5317
50 CC – CHAMPION 50 SM		AM6	02 >		W27ESR-U	4045	0,6	IW27	5317
50 CC – ENDURO			08 >		W27ESR	6069	0,6	IW27	5317








	KW			Standard			Alternative	
								
SHERCO continued								
50 CC – IPONE 50 SM		AM6	02 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – SHARK 50 ENDURO		AM6	02 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – SHARK 50 SM		AM6	02 >	W27ESR-U	4045	0,6	IW27	5317
50 CC – SM SUPERMOTARD			08 >	W27ESR-U	4045	0,6	IW27	5317
80 CC – 0.8 TRIAL			04 >	W16EPR-U	3021	0,6	IW16	5305
125 CC – 1.25			99 >	W16EPR-U	3021	0,6	IW16	5305
125 CC – CITY CORP 125 ENDURO / SUPERMOTARD			03 >	U22FSR-U	4008	0,6	IUF22	5383
125 CC – TRAIL 1,25			08 >	W16EPR-U	3021	0,7	IW16	5305
160 CC – 2.0			99 >	W16EPR-U	3021	0,6	IW16	5305
250 CC – 2.5			99 >	W16EPR-U	3021	0,6	IW16	5305
250 CC – 2.5 I ENDURO				U24ETR	4158	0,7	IU24A	5365
270 CC – 2.9			99 >	W16EPR-U	3021	0,6	IW16	5305
320 CC – 3.2			05 >	Q20PR-U	3007	0,8	IQ20	5302
450 CC – 4.5 I ENDURO / SUPERMOTARD			04 >	U24ETR	4158	0,7	IU24A	5365
510 CC – 5.1 I ENDURO / SUPERMOTARD			08 >	U24ETR	4158	0,7	IU24A	5365
SIAM								
50 CC – SCROSS	4.4	MORINI	94 >	W20FPR-U	3070	0,7	IWF20	5378
SIMSON								
50 CC – AT 50			90 >	W24FS-U	4038	0,5	IWF24	5380
50 CC – HABICHT / SPERBER 50	2.4		90 >	W24FS-U	4038	0,5	IWF24	5380
50 CC – KLEINKRAFTRAD				W24FS-U	4038	0,4	IWF24	5380
50 CC – SR 50 / S 53			90 >	W24FS-U	4038	0,5	IWF24	5380
50 CC – SR 50 /1B			90 >	W22FS-U	4025	0,5	IWF22	5379
50 CC – STAR 25 / HABICHT 25	1.2		96 >	W24FS-U	4038	0,5	IWF24	5380
50 CC – STAR 50 (CLASSIC)	2.8		90 >	W24FS-U	4038	0,5	IWF24	5380
50 CC – STAR 50 (ROLLER)			96 >	W20FPR-U	3070	0,6	IWF20	5378
50 CC – TRUCKY SD 50 CT				W24FS-U	4038	0,4	IWF24	5380
70 CC – LEICHTKRAFTRAD				W24FS-U	4038	0,4	IWF24	5380
75 CC – GS 75 / S70			75 > 90	W24FS-U	4038	0,4	IWF24	5380
80 CC – SR 80 /1 B			93 >	W22FS-U	4025	0,5	IWF22	5379
80 CC – STAR / HABICHT / SPERBER 80	4.1		90 >	W24FS-U	4038	0,5	IWF24	5380
SOLEX > VELOSOLEX SOLO								
50 CC – 704 CITY BIKE / 705 / 706 / 708				W16FS-U	3034	0,5	IWF16	5359
50 CC – 710 -B /-D / 711 -C / 712 / 715 / 716 / 725 / 731				W20FSR-U	6053	0,5	IWF22	5379
50 CC – 713 / 726 / 732				W22FSR	4024	0,5	IWF22	5379
50 CC – 722 MOFA			94 >	W20FSR-U	6053	0,7	IWF22	5379
50 CC – 723 MOPED			94 >	W22FSR	4024	0,7	IWF22	5379
50 CC – MARS 25 / -40			80 >	W16FS-U	3034	0,5	IWF16	5359
SPARTA								
30 CC – SPARTAMET	0.5		87 >	W14PR-U	6021	0,5	-	
50 CC – BUDDY / HAPPY / LUCKY / SPORT / TOUR			> 83	W16FS-U	3034	0,5	IWF16	5359
STARWAY								
50 CC – CL 50 QT			97 >	W22FPR-U	4022	0,7	IWF22	5379
STEYR-DAIMLER-PUCH > PUCH SUZUKI								
50 CC – 50			70 > 71	W14FPR-U	4184		IWF16	5359
50 CC – A 50 K / KB / KDB / PD				W24FS-U	4038	0,7	IWF24	5380
50 CC – A 50 P				W22FSR	4024	0,7	IWF22	5379
50 CC – AD 50 / -W		K,L,M	89 >	W20FPR-U	3070	0,6	IWF20	5378
50 CC – AE 50 (SUZZY)		L,M,N,P	90 > 95	W20FPR-U	3070	0,6	IWF20	5378
50 CC – AE 50 (SUZZY)		T	96 >	W22FPR-U	4022	0,8	IWF22	5379
50 CC – AE 50 K / R (SUZZY)		P,R,S	93 > 95	W20FPR-U	3070	0,6	IWF20	5378
50 CC – AE 50 K / R (SUZZY)		T	96 >	W22FPR-U	4022	0,8	IWF22	5379
50 CC – AH 50 ADDRESS (R)		N	92 >	W20FPR-U	3070	0,7	IWF20	5378
50 CC – AH 50 GP			95 >	W20FPR-U	3070	0,6	IWF20	5378
50 CC – AJ 50 / -ZZ		S,T	95 >	W22FPR-U	4022	0,8	IWF22	5379
50 CC – AP 50		S,T,V,W	95 >	W20FPR-U	3070	0,7	IWF20	5378
50 CC – AP 50 S / T			96 >	W20FPR-U	3070	0,7	IWF20	5378
50 CC – AY 50 KATANA		V,W, AC	97 >	W20FPR-U	3070	0,7	IWF20	5378
50 CC – AY 50 KATANA		V,W, LC	97 >	W20FPR-U	3070	0,7	IWF20	5378
50 CC – AY 50 KATANA (DI-TECH)			05 >	N24EXRB	4225	0,6	IU24/IU24A	
50 CC – AY 50 WR KATANA R		V,W, LC	98 >	W22FPR-U	4022	0,7	IWF22	5379
50 CC – AY KATANA WRX/WR/W AA			97 >	W20FPR-U	3070	0,6	IWF20	5378
50 CC – CF 50		G	86 >	W16FPR-U	4192	0,7	IWF16	5359
50 CC – CP 50				W20FPR-U	3070	0,7	IWF20	5378
50 CC – CP 50		F,G	85 >	W20FPR-U	3070	0,7	IWF20	5378
50 CC – CP 50			89 > 92	W20FPR-U	3070	0,7	IWF20	5378





	KW			Standard			Alternative	
								
STEYR-DAIMLER-PUCH > PUCH SUZUKI <i>continued</i>								
50 CC – CS 50				W14FPR-UL	4016	0,7	IWF16	5359
50 CC – CS 50 DC		J	88 >	W20FPR-U	3070	0,7	IWF20	5378
50 CC – CX 50		F	85 >	W20FPR-U	3070	0,8	IWF20	5378
50 CC – CY 50		F	85 >	W20FPR-U	3070	0,7	IWF20	5378
50 CC – DM 50		E	84 >	W20FPR-U	3070	0,6	IWF20	5378
50 CC – DR 50 (BIG)			89 >	W22FSR	4024	0,7	IWF22	5379
50 CC – DV 50				W20EPR		0,7	IW20	5306
50 CC – ESTILETE (UF 50)		AIR COOLED	00 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – FA 50 (SUSIE)		T,X,Z,D,E,F,G,H,J,K	80 > 89	W14FPR-UL	4016	0,7	IWF16	5359
50 CC – FA 50 (SUSIE)		L,M	90 >	W14FPR-UL	4016	0,7	IWF16	5359
50 CC – FB 50		K	89 > 91	U20FSR-U	4004	0,7	IUF22	5383
50 CC – FB 50		M	91 >	U20FSR-U	4004	0,7	IUF22	5383
50 CC – FZ 50		G,P	86 >	W14FPR-UL	4016	0,7	IWF16	5359
50 CC – FZ 50		K,L	89 > 90	W14FPR-UL	4016	0,7	IWF16	5359
50 CC – GS 50	3.7		04 >	U20FSR-U	4004	0,7	IUF22	5383
50 CC – GT 50 P / -E		C,N	78 >	W20FPR-U	3070	0,6	IWF20	5378
50 CC – JR 50		E,F,G,J,K,L,M,N,P,R	84 > 94	W14FPR-U	4184	0,7	IWF16	5359
50 CC – JR 50		S,T	95 > 96	W14FPR-U	4184	0,6	IWF16	5359
50 CC – JR 50		V	97 >	W14FPR-UL	4016	0,6	IWF16	5359
50 CC – LET'S II L			97 >	W20FPR-U	3070	0,6	IWF20	5378
50 CC – NM 50 / NM 50 D		T	96 >	W20FPR-U	3070	0,7	IWF20	5378
50 CC – PV 50		H	87 >	W20EPR-U	3047	0,7	IW20	5306
50 CC – RB 50 GAG			88 >	U22FSR-U	4008	0,7	IUF22	5383
50 CC – RC 50		T	96 >	W20FPR-U	3070	0,7	IWF20	5378
50 CC – RG 50 / W		E,F,G,K	84 >	W24EPR-U	4136	0,6	IW24	5316
50 CC – RM 50			> 89	W22FS-U	4025	0,7	IWF22	5379
50 CC – RM 50			90 >	W22FSR	4024	0,7	IWF22	5379
50 CC – SUZZY			96 >	W20FPR-U	3070	0,6	IWF20	5378
50 CC – TR 50 S STREET MAGIC		W,X	98 >	W20FPR-U	3070	0,6	IWF20	5378
50 CC – TS 50 / -ER / -ERA (L=12.7 MM THREAD)		T,X,Z,E,G,H,N	> 92	W20FPR-U	3070	0,6	IWF20	5378
50 CC – TS 50 W (L=19.0 MM THREAD)		E,F,G,P	84 >	W24EPR-U	4136	0,6	IW24	5316
50 CC – TS 50 XA (L=12.7 MM THREAD)		M	91 >	W20FPR-U	3070	0,6	IWF20	5378
50 CC – TS 50 XK (L=19.0 MM THREAD)		E,G,H,J	84 >	W20EPR-U	3047	0,6	IW20	5306
50 CC – TS 50 XK (L=19.0 MM THREAD)		 G,H,M	87 >	W22EPR-U	3088	0,6	IW22	5307
50 CC – TS 50 XK (SA11C)	2.3	CAT	92 >	W20EPR-U	3047	0,7	IW20	5306
50 CC – TV 50		P	93 >	W24EPR-U	4136	0,7	IW24	5316
50 CC – UF 50 ESTILETE		AIR COOLED	00 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – UX 50 ZILLION		Y	99 >	W20FPR-U	3070	0,7	IWF20	5378
50 CC – ZR 50 S / SK		<B,CH> H	87 >	W24EPR-U	4136	0,6	IW24	5316
50 CC – ZR 50 S / SK		<N,GB> H	87 >	W20EPR-U	3047	0,6	IW20	5306
50 CC – ZR 50 SA / SLA / SLP		E,G,H	84 >	W20EPR-U	3047	0,6	IW20	5306
50 CC – ZR 50 SK			84 > 87	W24EPR-U	4136	0,6	IW24	5316
50 CC – ZR 50 SK		<N> E	84 > 87	W20EPR-U	3047	0,6	IW20	5306
50 CC – ZR 50 SLK		<B, GR> E	84 >	W24EPR-U	4136	0,6	IW24	5316
50 CC – ZR 50 SLK		<GB, N, CH> E	84 >	W20EPR-U	3047	0,6	IW20	5306
50 CC – ZZ 50 (BB-CA1PB)		Y	00 >	W20FPR-U	3070	0,7	IWF20	5378
65 CC – RM 65			00 >	-		0,7	IW31	5319
70 CC – DR-Z 70			08 >	U22FSR-U	4008	0,8	IUF22	5383
75 CC – CP 75		G,H	86 >	W20FPR-U	3070	0,7	IWF20	5378
80 CC – CP 80		G	86 >	W20FPR-U	3070	0,8	IWF20	5378
80 CC – CS 80				W20FPR-U	3070	0,7	IWF20	5378
80 CC – DS 80 (R)		F,G,H,J,K,L,M,N,P,R	85 > 94	W22ESR-U	3098	0,7	-	
80 CC – DS 80 (R)		S,T	95 >	W22ESR-U	3098	0,7	-	
80 CC – FB 80		J,K	88 > 91	U20FSR-U	4004	0,7	IUF22	5383
80 CC – FB 80		M	91 >	U20FSR-U	4004	0,7	IUF22	5383
80 CC – JR 80	5.7	K2	02 >	W22ESR-U	3098	0,8	IW22	5307
80 CC – RC 80		G	86 >	W22EPR-U	3088	0,7	IW22	5307
80 CC – RG 80		<F> H,J,M	87 >	W24EPR-U	4136	0,6	IW24	5316
80 CC – RG 80 (GAMMA)		<D> H,J,M	87 >	W22EPR-U	3088	0,6	IW22	5307
80 CC – RG 80 C		F	85 >	W24EPR-U	4136	0,6	IW24	5316
80 CC – RM 80		E,F,G,J,K	84 > 90	W27ESR-U	4045	0,6	IW27	5317
80 CC – RM 80		H	87 >	W27ESR-U	4045	0,6	IW27	5317
80 CC – RM 80		M,N,P,R,S,T	91 >	W31ESR-U	4176	0,6	IW31	5319
80 CC – RM 80 H		<F, DK> E,F,G	84 > 87	W27ESR-U	4045	0,6	IW27	5317
80 CC – RM 80 H		E,F,G	84 > 87	W27ESR-U	4045	0,6	IW27	5317
80 CC – RM 80 X		E,F,G,H	> 91	W27ESR-U	4045	0,6	IW27	5317
80 CC – RM 80 X		J,K	88 > 89	W27ESR-U	4045	0,6	IW27	5317
80 CC – RM 80 X		M,N,P,R,S,T,V,W,X	91 >	W31ESR-U	4176	0,6	IW31	5319









	KW			Standard			Alternative	
								
STEYR-DAIMLER-PUCH > PUCH SUZUKI <i>continued</i>								
80 CC – TS 80 X		<D> E,G,H	84 >	W22EPR-U	3088	0,6	IW22	5307
80 CC – TS 80 X		<F> E,G,H	84 >	W24EPR-U	4136	0,6	IW24	5316
85 CC – RM 85			01 >	W31ESR-U	4176	0,6	IW31	5319
90 CC – BIRDIE 90 (BD42A)			01 >	U20FSR-U	4004	0,7	IUF22	5383
90 CC – CS 90 G		J	88 >	W20FPR-U	3070	0,7	IWF20	5378
100 CC – A 100		E,L,S	84 >	W20FPR-U	3070	0,7	IWF20	5378
100 CC – A 100 X		L	90 >	W20FPR-U	3070	0,7	IWF20	5378
100 CC – AG 100		M,N,P,T	91 >	W22FPR-U	4022	0,7	IWF22	5379
100 CC – AH 100 (ADDRESS)		P	93 >	W22FPR-U	4022	0,7	IWF22	5379
100 CC – DR 100		D,H,L	83 > 90	X24ESR-U	4101	0,7	IX24	5372
100 CC – DR 100		F,G,J,K	85 >	X24ESR-U	4101	0,7	IX24	5372
100 CC – FB 100		G,S	86 >	U20FSR-U	4004	0,7	IUF22	5383
100 CC – FB 100 D		S	95 >	U20FSR-U	4004	0,7	IUF22	5383
100 CC – RC 100 / D		E,G	84 >	W22FPR-U	4022	0,7	IWF22	5379
110 CC – ADDRESS 110			98 >	W22FPR-U	4022	0,7	IWF22	5379
110 CC – DR-Z 110	4.6	LX110A	03 >	U20FSR-U	4004	0,7	IUF22	5383
110 CC – HOKUTO 110 (UG 110)			98 >	W22FPR-U	4022	0,7	IWF22	5379
110 CC – STREET MAGIC (II)		<J>	98 >	W22FPR-U	4022	0,7	IWF22	5379
125 CC – AN 125	8-9	S,T	95 > 96	U24ESR-N	4126	0,7	IU24	5362
125 CC – AN 125	8-9	V,W,X	97 >	U22ESR-N	4174	0,7	IU22	5361
125 CC – CS 125				X24ESR-U	4101	0,7	IX24	5372
125 CC – CS 125		D,	83 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – DF 125		D,G	83 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – DR 125		J	88 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – DR 125 / S		Z,D,E,F,G,H	82 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – DR 125 F		E	84 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – DR 125 SE		S,T	95 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – DR 125 SM			08 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – DR-Z 125 / L			03 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – GN 125		Z,D	82 > 89	X24ESR-U	4101	0,7	IX24	5372
125 CC – GN 125		J,M,N	89 > 93	X24ESR-U	4101	0,7	IX24	5372
125 CC – GN 125 E		P,R	93 > 94	X24ESR-U	4101	0,7	IX24	5372
125 CC – GN 125 E		S,T	95 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – GP 125 (U)			78 >	W24FS-U	4038	0,7	IWF24	5380
125 CC – GS 125 E / ES		Z,D	82 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – GS 125 ES		F,L,M	90 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – GS 125 R		M	91 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – GZ 125 MARAUDER			98 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – K 125		L	90 >	W22FPR-U	4022	0,7	IWF22	5379
125 CC – RG 125		J	88 >	W27ESR-U	4045	0,8	IW27	5317
125 CC – RG 125 C / UC		G	86 >	W27ESR-U	4045	0,7	IW27	5317
125 CC – RG 125 F / FU		N,P	92 >	W27EMR-C	4159	0,7	IWM27	5392
125 CC – RG 125 U		<GB, F> H,J	87 > 91	W24ESR-U	4033	0,7	IW24	5316
125 CC – RG 125 U		H	87 > 91	W27ESR-U	4045	0,7	IW27	5317
125 CC – RG 125 U		N	92 >	W27EMR-C	4159	0,7	IWM27	5392
125 CC – RM 125		..E,F,G,H,J,K,L,M	> 91	-		0,6	IW27	5317
125 CC – RM 125			02 >	-		0,6	IW01-24	5713
125 CC – RM 125		<F> E,F,H,J,K,L,M	84 > 91	-		0,5	IW27	5317
125 CC – RM 125		N,P,R,S	92 > 95	-		0,6	IW01-27	5714
125 CC – RM 125		T,V,W,X (STANDARD)	96 > 01	-		0,6	IW01-27	5714
125 CC – RM 125		T,V,W,X (LOW LOAD = OPTION))	96 > 01	-		0,6	IW01-24	5713
125 CC – RV 125 / RC 125			73 > 86	W22FS-U	4025	0,7	IWF22	5379
125 CC – RV 125 K7			07 >	U24ESR-N	4126	0,6	IU24	5362
125 CC – SCOOTER 125 FL125SDW			08 >	U20FSR-U	4004	0,7	IUF22	5383
125 CC – SIXTEEN 125 UX125			08 >	U24ESR-N	4126	0,7	IU24	5362
125 CC – TF 125		L,M	90 >	W22ESR-U	3098	0,6	-	
125 CC – TS 125 ER		L	90 >	W24ESR-U	4033	0,7	IW24	5316
125 CC – TS 125 R		K,L,M,N,P	89 >	W27ESR-U	4045	0,6	IW27	5317
125 CC – TS 125 X / XU		E,F,G	84 > 87	W24ESR-U	4033	0,6	IW24	5316
125 CC – TS 125 X / XU		H,J	87 >	W27ESR-U	4045	0,6	IW27	5317
125 CC – TSR 125			94 >	W27ESR-U	4045	0,6	IW27	5317
125 CC – UC 125 (EPICURO)		X	99 >	U24ESR-N	4126	0,7	IU24	5362
125 CC – UE 125 CT			> 02	U22ESR-N	4174	0,7	IU22	5361
125 CC – UH 125 (BURGMAN)			01 >	U24ESR-N	4126	0,7	IU24	5362
125 CC – VAN VAN 125			02 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – VL 125 INTRUDER LC	9		00 >	U24ESR-N	4126	0,6	IU24	5362
150 CC – AN 150 (BURGMAN)		T	96 >	U22ESR-N	4174	0,7	IU22	5361
150 CC – SIXTEEN 150 UX125			08 >	U24ESR-N	4126	0,7	IU24	5362






	KW			Standard			Alternative	
								
STEYR-DAIMLER-PUCH > PUCH SUZUKI <i>continued</i>								
150 CC – TX-R 150		G	86 >	W24FPR-U10	6058	0,8	IWF24	5380
150 CC – UE 150			98 >	U22ESR-N	4174	0,7	IU22	5361
150 CC – UH 150 (BURGMAN)			02 >	U24ESR-N	4126	0,7	IU24	5362
175 CC – PE 175		E,F	82 > 85	-		0,5	IW31	5319
185 CC – TF 185		L	90 >	W22ESR-U	3098	0,6	-	
185 CC – TS 185 ER		L,M,N	90 > 92	W22EPR-U	3088	0,6	IW22	5307
185 CC – TS 185 ER		P,T	93 >	W22EPR-U	3088	0,6	IW22	5307
200 CC – BURGMAN UH 200 K7			07 >	U24ETR	4158	0,7	IU24A	5365
200 CC – DF 200 E		T	96 >	X24ESR-U	4101	0,6	IX24	5372
200 CC – DR 200		G,J	86 > 88	X24ESR-U	4101	0,6	IX24	5372
200 CC – DR 200		H	87 >	X24ESR-U	4101	0,6	IX24	5372
200 CC – DR 200 S		F	85 >	X24ESR-U	4101	0,6	IX24	5372
200 CC – DR 200 S		G,H,J,L	86 >	X24ESR-U	4101	0,6	IX24	5372
200 CC – DR 200 SE		S,T	95 >	X24ESR-U	4101	0,6	IX24	5372
200 CC – TS 200 R		M,N,P	91 >	W27ESR-U	4045	0,7	IW27	5317
200 CC – TS 200 X		F,G	85 >	-		0,7	IW24	5316
240 CC – TS 240 X		G,H,J,K	86 >	W24ESR-U	4033	0,6	IW24	5316
250 CC – AN 250 BURGMAN	17	W,X	99 >	U24ETR	4158	0,7	IU24A	5365
250 CC – DF 250		H	87 >	X24ESR-U	4101	0,6	IX24	5372
250 CC – DR 250		M,N,P	91 >	X27EPR-U9	4111	0,9	IX27B	5377
250 CC – DR 250 / S		Z,D,E,F,G,H	82 > 86	X24ESR-U	4101	0,6	IX24	5372
250 CC – DR 250 F		E	84 >	X24ESR-U	4101	0,7	IX24	5372
250 CC – DR 250 S		L,M,N,P	90 >	X27EPR-U9	4111	0,8	IX27B	5377
250 CC – DR 250 SE		P,R,S	93 >	X27EPR-U9	4111	0,9	IX27B	5377
250 CC – DR-Z 250			00 >	U27ESR-N	4131	0,7	IU27	5363
250 CC – GF 250		J	88 >	U24FSR-U	4010	0,7	IUF24	5384
250 CC – GN 250		Z,D,F	82 > 88	X24ESR-U	4101	0,7	IX24	5372
250 CC – GN 250		J,L,M,N,P	88 >	X24ESR-U	4101	0,7	IX24	5372
250 CC – GN 250 / GN 250 E		T,V,W,X	96 >	X24ESR-U	4101	0,7	IX24	5372
250 CC – GNX 250		1-CYL.	82 > 85	X24ESR-U	4101	0,7	IX24	5372
250 CC – GS 250 FW / FWS		D	83 >	X24ESR-U	4101	0,6	IX24	5372
250 CC – GS 250 T / XT		T,X,Z	80 >	X27ESR-U	4116	0,6	IX27	5373
250 CC – GSX 250 / E / ES EP		X,Z,D	81 >	X27ESR-U	4116	0,7	IX27	5373
250 CC – GSX 250 F		M,N,P,T	91 >	U22FSR-U	4008	0,6	IUF22	5383
250 CC – GSX 250 XT		T	80 >	X27ESR-U	4116	0,6	IX27	5373
250 CC – GSX-R 250 / GSX 250 R		<J>	88 >	U24FSR-U	4010	0,7	IUF24	5384
250 CC – GSX-R 250 / GSX 250 R		<J>	88 >	U24FSR-C		0,7	IUF24	5384
250 CC – GSX-R 250 R		<J>	89 >	U27ESR-N	4131	0,7	IU27	5363
250 CC – GT 250			72 > 76	W24ESR-U	4033	0,7	IW24	5316
250 CC – GT 250 A			76 > 78	W24ESR-U	4033	0,8	IW24	5316
250 CC – GT 250 X7		ELEC. IGNITION	78 >	W24ESR-U	4033	0,8	IW24	5316
250 CC – GZ 250 (MARAUDER)		X	99 >	X24ESR-U	4101	0,7	IX24	5372
250 CC – NZ 250		H	87 >	X24EPR-U9	4096	0,9	IX24B	5376
250 CC – PE 250			80 >	-		0,6	IW31	5319
250 CC – RG 250		G	86 > 87	W27ESR-U	4045	0,6	IW27	5317
250 CC – RG 250		H	87 >	W27ESR-U	4045	0,6	IW27	5317
250 CC – RG 250 W / WI		<UK, B> E	84 >	W27ESR-U	4045	0,6	IW27	5317
250 CC – RG 250 W / WI		E	84 >	W27ESR-U	4045	0,6	IW27	5317
250 CC – RGV 250 / SP (GAMMA)		K,L	89 >	W27ESR-U	4045	0,7	IW27	5317
250 CC – RGV 250 / SP (T) (GAMMA)		M,N,P,T	91 >	W27EMR-C	4159	0,8	IWM27	5392
250 CC – RM 250		T,V,W,X	00 > 01	-		0,6	IW01-24	5713
250 CC – RM 250			01 >	W24ESR-V	4035	0,7	IW24	5316
250 CC – RM 250		..E,F,G,H,J,L	82 > 90	-		0,5	IW24	5316
250 CC – RM 250		<F> E,F,G,H,J,L	84 > 90	-		0,5	IW24	5316
250 CC – RM 250		M	91 >	-		0,5	IW24	5316
250 CC – RM 250		N	92 >	-		0,6	IW01-27	5714
250 CC – RM 250		P,R,S (STANDARD)	93 > 95	-		0,6	IW01-24	5713
250 CC – RM 250		P,R,S (FAST DRIVING = OPTION)	93 > 95	-		0,6	IW01-27	5714
250 CC – RM 250		T,V,W,X	96 > 00	-		0,6	IW01-24	5713
250 CC – RMX 250		K,L,M	89 > 91	-		0,5	IW24	5316
250 CC – RMX 250		N	92 >	-		0,5	IW27	5317
250 CC – RMX 250		P,R,S,T	93 >	-		0,6	IW27	5317
250 CC – RMX 250 (CANADA)		<CDN> K,L,M	89 > 91	-		0,5	IW24	5316
250 CC – RM-Z 250		4-STROKE, DOHC 4V	03 > 05	U24ESR-NB	4223	0,7	IU24	5362
250 CC – RM-Z 250			06 >	-		1	IU24	5362
250 CC – SKYWAVE 250 TYPE I / II			98 > 00	U24ESR-N	4126	0,6	IU24	5362
250 CC – SKYWAVE 250 TYPE I / II / S			00 >	U24ETR	4158	0,6	IU24A	5365
250 CC – TS 250 X		E	84 >	-		0,6	IW24	5316








	KW			Standard			Alternative	
								
STEYR-DAIMLER-PUCH > PUCH SUZUKI <i>continued</i>								
250 CC – TS 250 X		G,H,J,K,L	86 >	W24ESR-U	4033	0,6	IW24	5316
250 CC – TU 250 X	16	V,W,X	97 >	X24ESR-U	4101	0,7	IX24	5372
250 CC – VOLTY I / -II / -C	15			X24ESR-U	4101	0,7	IX24	5372
350 CC – DR 350		S,T	95 >	U27ETR	4155	0,7	IU27A	5366
350 CC – DR 350 / S		L,M,N,P	90 > 94	X27EPR-U9	4111	0,8	IX27B	5377
350 CC – DR 350 SE / SZ	22	S,T	95 >	U27ETR	4155	0,7	IU27A	5366
350 CC – DR 350 SH		N,P	92 >	X27EPR-U9	4111	0,8	IX27B	5377
350 CC – T 350 / GT 350		2-STROKE		W24FS-U	4038	0,6	IWF24	5380
380 CC – GT 380	28	J,K,L	72 > 73	W22ESR-U	3098	0,7	-	
380 CC – GT 380	28	M	74 > 80	W24ESR-U	4033	0,7	IW24	5316
400 CC – AN 400 BURGMAN	25		06 >	U24ESR-N	4126	0,7	IU24	5362
400 CC – AN 400 BURGMAN (SKYWAVE)	24	X	99 > 05	U22ESR-N	4174	0,7	IU22	5361
400 CC – AN 400 BURGMAN K7			07 >	U22ESR-N	4174	0,7	IU22	5361
400 CC – DESPERADO			96 >	X24EPR-U9	4096	0,9	IX24B	5376
400 CC – DR 400 S		T,X	80 > 84	X24ESR-U	4101	0,6	IX24	5372
400 CC – DR-Z 400 / S / SM		Y	00 >	U24ESR-N	4126	0,7	IU24	5362
400 CC – GN 400 / T		X,Z	81 >	X24ESR-U	4101	0,7	IX24	5372
400 CC – GSF 400 (BANDIT)		M,N	> 92	U24ETR	4158	0,7	IU24A	5365
400 CC – GSF 400 (BANDIT)		P	93 >	U27ETR	4155	0,7	IU27A	5366
400 CC – GSX 400 E / S		D,E,F,G,H	81 > 87	X24ESR-U	4101	0,7	IX24	5372
400 CC – GSX 400 F / FWS		X,Z,D	81 > 83	X24ESR-U	4101	0,6	IX24	5372
400 CC – GSX 400 F / FWS		E	84 >	U24FSR-U	4010	0,6	IUF24	5384
400 CC – GSX 400 FSV INAZUMA	43.3	<J>	97 > 00	U27ETR	4155	0,6	IU27A	5366
400 CC – GSX 400 IMPULSE S / ZR	39	<J>	97 >	U24ESR-N	4126	0,6	IU24	5362
400 CC – GSX 400 R / GSX 400 X		<J>	86 > 88	U24FSR-U	4010	0,7	IUF24	5384
400 CC – GSX-R 400		F	85 >	U24FSR-U	4010	0,6	IUF24	5384
400 CC – GSX-R 400		K	89 > 90	U27ETR	4155	0,7	IU27A	5366
400 CC – GSX-R 400 R		L	90 >	U24ETR	4158	0,7	IU24A	5365
400 CC – GSX-R 400 R		M	91 >	U27ETR	4155	0,7	IU27A	5366
400 CC – GSX-R 400 R		N,P	92 >	U24ETR	4158	0,7	IU24A	5365
400 CC – GSX-R 400 RF		L	90 >	U24ETR	4158	0,7	IU24A	5365
400 CC – GSX-R 400 RF		M	91 >	U27ETR	4155	0,7	IU27A	5366
400 CC – RF 400 R / RV	39	<J>	97 >	U24ETR	4158	0,6	IU24A	5365
400 CC – SV 400 / SV 400 S			03 >	U24ESR-N	4126	0,7	IU24	5362
400 CC – VS 400			95 >	X24EPR-U9	4096	0,8	IX24B	5376
450 CC – GS 450 E / S		E,F,G,H	84 > 87	W24ESR-U	4033	0,6	IW24	5316
450 CC – GS 450 E/ES/L/TEU/TX		X,D	81 > 83	W24ESR-U	4033	0,7	IW24	5316
450 CC – GS 450 L / T		T,Z, E,F,G,H	80 > 87	W24ESR-U	4033	0,6	IW24	5316
450 CC – GSX 450 E / S / ES / EU / SU		J	88 >	W24ESR-U	4033	0,7	IW24	5316
450 CC – RMX 450 Z			10 >	-			IU24A	5365
450 CC – RM-Z 450	41.9		04 > 08	-		1,0	IU24A	5365
500 CC – DR 500 / S		X,Z	81 > 84	X24ESR-U	4101	0,6	IX24	5372
500 CC – DR 500 R		H,J	87 >	X27EPR-U9	4111	0,8	IX27B	5377
500 CC – DR 500 S		<I> E	84 >	X24ESR-U	4101	0,7	IX24	5372
500 CC – DR 500 S		G,H,J	86 >	X27EPR-U9	4111	0,8	IX27B	5377
500 CC – GS 500 / E / ES / L / M		X,Z,D,E	81 > 84	X24ESR-U	4101	0,6	IX24	5372
500 CC – GS 500 E / EU		K,L,M,N,P,R,S,T,V,W,X	89 >	X24EPR-U9	4096	0,9	IX24B	5376
500 CC – GS 500 F	25		04 >	X24EPR-U9	4096	0,9	IX24B	5376
500 CC – GSX 500 E / ES / EF / EU		F,G,H	85 >	X27ESR-U	4116	0,6	IX27	5373
500 CC – GSX 500 L		F	85 >	X27ESR-U	4116	0,6	IX27	5373
500 CC – GT 500				W22FS-U	4025	0,6	IWF22	5379
500 CC – RG 500			> 86	-		0,5	IW01-27	5714
500 CC – RG 500		G,H	86 > 87	W27ESR-U	4045	0,6	IW27	5317
500 CC – RM 500 (RM 495)		E,F	84 >	-		0,6	IW24	5316
500 CC – T 500				W24FS-U	4038	0,6	IWF24	5380
550 CC – GS 550 / L / T / M		T	80 > 81	W24ESR-U	4033	0,6	IW24	5316
550 CC – GS 550 / L / T / M / E (.. / KATANA)		X,Z,D	81 > 84	W24ESR-U	4033	0,6	IW24	5316
550 CC – GSX 550 E / ES / L / FU / SU		D,E,G,H	83 >	X27ESR-U	4116	0,7	IX27	5373
550 CC – GSX 550 EF / EU		E,F,G,H	84 >	X27ESR-U	4116	0,6	IX27	5373
550 CC – GT 550			72 > 73	W22ESR-U	3098	0,6	-	
550 CC – GT 550	37		74 > 78	W24ESR-U	4033	0,6	IW24	5316
600 CC – DR 600 R (DJEBEL)		G,H,J,K	86 >	X27EPR-U9	4111	0,8	IX27B	5377
600 CC – DR 600 S (.. / DAKAR)	20-33	F,G,H,J,K	84 >	X27EPR-U9	4111	0,8	IX27B	5377
600 CC – GSF 600 (BANDIT)		S,T,V,W,X	95 >	U27ETR	4155	0,7	IU27A	5366
600 CC – GSF 600 S / SU (BANDIT)		T	96 >	U27ETR	4155	0,7	IU27A	5366
600 CC – GSF 600 U (BANDIT)		S,T	95 >	U27ETR	4155	0,7	IU27A	5366
600 CC – GSR 600 ABS	72		06 >	U27ESR-N	4131	0,7	IU27	5363
600 CC – GSX 600 EF / ES		H	87 >	X27ESR-U	4116	0,7	IX27	5373









	KW			Standard			Alternative	
								
STEYR-DAIMLER-PUCH > PUCH SUZUKI <i>continued</i>								
600 CC – GSX 600 F		J,K,M,N,P,R,S	88 > 95	X27ESR-U	4116	0,7	IX27	5373
600 CC – GSX 600 F		T	96 > 97	U27ETR	4155	0,7	IU27A	5366
600 CC – GSX 600 F (GSXF)	59	W,X	98 >	U27ETR	4155	0,7	IU27A	5366
600 CC – GSX-R 600	85		01 > 07	U27ESR-N	4131	0,7	IU27A	5366
600 CC – GSX-R 600	92		08 >	-		0,9	IU27D	5390
600 CC – GSX-R 600	72-78	T,V,W,X,Y	96 > 00	U27ESR-N	4131	0,7	IU27	5363
600 CC – RF 600 R / RU		P,R,S,T	93 >	U27ESR-N	4131	0,7	IU27	5363
600 CC – VS 600 GL (INTRUDER)		S,T	95 >	X24EPR-U9	4096	0,9	IX24B	5376
600 CC – VS 600 GLU (INTRUDER)		S,T	95 >	X24EPR-U9	4096	0,9	IX24B	5376
650 CC – AN 650 BURGMAN (SKYWAVE) (CP51)	24		02 >	U24ESR-N	4126	0,7	IU24	5362
650 CC – DL 650 TRAVELLER V-STROM (K7) TWIN SPARK			10 >	U24ESR-N	4126	0,8	IU24	5362
650 CC – DL 650 V-STROM			02 >	U24ESR-N	4126	0,7	IU24	5362
650 CC – DR 650 R		<l> L,M,N,P	90 >	X27EPR-U9	4111	0,9	IX27B	5377
650 CC – DR 650 R		L,M,N,P,R	90 >	X27EPR-U9	4111	0,9	IX27B	5377
650 CC – DR 650 RS		L,M	90 >	X27EPR-U9	4111	0,9	IX27B	5377
650 CC – DR 650 RSE / RSEU		M,N,P,R,S,T	91 >	X27EPR-U9	4111	0,9	IX27B	5377
650 CC – DR 650 S		L,M,N,P,R	90 >	X27EPR-U9	4111	0,9	IX27B	5377
650 CC – DR 650 SE / RE		<l> S	95 >	X27EPR-U9	4111	0,9	IX27B	5377
650 CC – DR 650 SE / RE		S	95 >	X27EPR-U9	4111	0,9	IX27B	5377
650 CC – DR 650 SE / SEU		T	96 >	U31ESR-N	4187	0,7	IU31	5364
650 CC – GR 650 / X		D,E	83 >	X24ESR-U	4101	0,7	IX24	5372
650 CC – GS 650 E / G / GL / GT		X,Z,D	81 >	X24ESR-U	4101	0,6	IX24	5372
650 CC – GS 650 E / X		<l> X,E	81 >	X24ESR-U	4101	0,7	IX24	5372
650 CC – GSF 650 (K7)			07 >	U27ESR-N	4131	0,7	IU27	5363
650 CC – GSF 650 BANDIT / S	57		04 >	U24ETR	4158	0,6	IU24A	5365
650 CC – GSX 650 A / SA			08 >	U24ESR-N	4126	0,6	IU24	5362
650 CC – GSX 650 F	62.5		08 >	U24ESR-N	4126	0,8	IU24	5362
650 CC – LS 650 (SAVAGE)		G,H,J,K,L,M,N,P,R	86 > 95	X24EPR-U9	4096	0,8	IX24B	5376
650 CC – LS 650 / LS 650 P (SAVAGE)		S,T,V,W,X	95 >	X24EPR-U9	4096	0,8	IX24B	5376
650 CC – SV 650 / S	52	X-	98 >	U24ESR-N	4126	0,7	IU24	5362
650 CC – XF 650 FREEWIND	25-35	T,V,W,X	96 >	U31ESR-N	4187	0,6	IU31	5364
650 CC – XN 85 TURBO	64	D	82 > 83	X27ESR-U	4116	0,6	IX27	5373
700 CC – GV 700 GL		F	85 >	X24ESR-U	4101	0,6	IX24	5372
750 CC – DR 750 S / SJ / SUJ / K (DR BIG)	20-37	J,K	88 >	X27EPR-U9	4111	0,8	IX27B	5377
750 CC – GS 750 S		G	86 >	X24ESR-U	4101	0,7	IX24	5372
750 CC – GSF 750		<j>	97 >	U27ETR	4155	0,6	IU27A	5366
750 CC – GSX 750	63	W,X	98 >	U27ETR	4155	0,7	IU27A	5366
750 CC – GSX 750 E / ES / S / L / T		T,X,Z,D,F,G	80 > 89	X24ESR-U	4101	0,6	IX24	5372
750 CC – GSX 750 EF		E,F	84 > 89	X24ESR-U	4101	0,7	IX24	5372
750 CC – GSX 750 F		K,L,M,N,P,R,S,T	89 > 97	X27ETR	4130	0,7	IX27	5373
750 CC – GSX 750 F (GSXF)	68	W,X	98 >	U27ETR	4155	0,7	IU27A	5366
750 CC – GSX 750 S (KATANA)		E	84 >	X27ESR-U	4116	0,6	IX27	5373
750 CC – GSX 750 S (KATANA)		F	85 >	X24ESR-U	4101	0,6	IX24	5372
750 CC – GSX-R 750	110		08 >	-		0,9	IU27D	5390
750 CC – GSX-R 750		F,G,H	85 > 87	X27ESR-U	4116	0,7	IX27	5373
750 CC – GSX-R 750		J,K	88 > 89	X27ETR	4130	0,7	IX27	5373
750 CC – GSX-R 750		L,M (STANDARD)	90 > 95	U31ETR	4135	0,7	IU31A	5367
750 CC – GSX-R 750		L,M (CITY DRIVING = OPTION)	90 > 95	U27ETR	4155	0,7	IU27A	5366
750 CC – GSX-R 750		T, V	96 > 98	U27ESR-N	4131	0,7	IU27	5363
750 CC – GSX-R 750	72 - 99	W,X	98 > 07	U27ESR-N	4131	0,7	IU27	5363
750 CC – GSX-R 750 R		G	86 >	X27ESR-U	4116	0,6	IX27	5373
750 CC – GSX-R 750 W		N	92 >	U27ETR	4155	0,7	IU27A	5366
750 CC – GSX-R 750 W		P,R (STANDARD)	93 > 94	U27ETR	4155	0,7	IU27A	5366
750 CC – GSX-R 750 W		P,R (FAST DRIVING = OPTION)	93 > 94	U31ETR	4135	0,7	IU31A	5367
750 CC – GSX-R 750 W		S	95 >	U27ESR-N	4131	0,7	IU27	5363
750 CC – GT 750	38-46	LIQUID COOLED	72 > 73	W22ESR-U	3098	0,6	-	
750 CC – GT 750	38-46	LIQUID COOLED	74 >	W20ESR-U	3057	0,6	IW20	5306
750 CC – GT 750	38-46	LIQUID COOLED	75 > 77	W24ESR-U	4033	0,6	IW24	5316
750 CC – VS 750 GL / GLE (INTRUDER)		F,G, H,J,K	85 >	X24EPR-U9	4096	0,9	IX24B	5376
750 CC – VS 750 GLP / GLF (INTRUDER)		L,M	90 >	X24EPR-U9	4096	0,9	IX24B	5376
800 CC – DR 800 S (DR BIG) (CITY DRIVING = OPTION)		L,M,N,P,R,S,T	90 >	X24EPR-U9	4096	0,9	IX24B	5376
800 CC – DR 800 S (DR BIG) (STANDARD)		L,M,N,P,R,S,T	90 >	X27EPR-U9	4111	0,9	IX27B	5377
800 CC – M 800 Z			10 >	X22ESR-U	4091	0,6	IX22	5371
800 CC – VL 800 VOLUSIA (INTRUDER LC)			99 > 05	X22EPR-U9	4086	0,9	IX22B	5375
800 CC – VS 800 GL (INTRUDER)		N,P,R,S,T,V,W,X	92 >	X24EPR-U9	4096	0,9	IX24B	5376
800 CC – VX 800	25-45	L,M,N,P,R,T	90 >	X24EPR-U9	4096	0,9	IX24B	5376









	KW			Standard			Alternative	
								
STEYR-DAIMLER-PUCH > PUCH SUZUKI <i>continued</i>								
800 CC – VZ 800			09 >	X22ESR-U	4091	0,6	IX22	5371
800 CC – VZ 800 MARAUDER / INTRUDER M800	37	W,X	97 > 05	X24EPR-U9	4096	0,9	IX24B	5376
850 CC – GS 850 G / GL		T,X,Z,D,E,F,G	80 > 86	W24ESR-U	4033	0,6	IW24	5316
900 CC – RF 900 R		R,S,T	94 >	U27ESR-N	4131	0,7	IU27	5363
900 CC – RF 900 RS2 / RZS		R,S	94 >	U27ESR-N	4131	0,7	IU27	5363
1000 CC – DL 1000 V-STROM	72-92	V,W	97 >	U24ETR	4158	0,7	IU24A	5365
1000 CC – GS 1000		T	80 >	W24ESR-U	4033	0,6	IW24	5316
1000 CC – GS 1000 G / GL		T,X,D	80 >	W24ESR-U	4033	0,6	IW24	5316
1000 CC – GSX 1000 S		Z,D	82 >	X24ESR-U	4101	0,6	IX24	5372
1000 CC – GSX-R 1000	118		01 >	U27ESR-N	4131	0,7	IU27	5363
1000 CC – GSX-R 1000			07 >	-		0,9	IU27	5363
1000 CC – SV 1000 / SV 1000 S			02 >	U24ETR	4158	0,7	IU24A	5365
1000 CC – TL 1000 R	72-100	V,W	96 > 03	U27ETR	4155	0,7	IU27A	5366
1000 CC – TL 1000 S	72-92	T (STANDARD)	96 >	U24ESR-N	4126	0,7	IU24A	5365
1000 CC – TL 1000 S	72-92	T (FAST DRIVING = OPTION)	96 >	U27ESR-N	4131	0,7	IU27A	5366
1000 CC – TL 1000 S	72-92	V,W	97 > 03	U24ETR	4158	0,7	IU24A	5365
1100 CC – GS 1100 G / GK		E,F,G	84 > 86	W24ESR-U	4033	0,6	IW24	5316
1100 CC – GS 1100 G / GL / GK / GKE / GF		Z,D	82 >	W24ESR-U	4033	0,7	IW24	5316
1100 CC – GS1150 E		F	85 >	X27EPR-U9	4111	0,8	IX27B	5377
1100 CC – GS1150 E		G	86 >	X27ESR-U	4116	0,7	IX27	5373
1100 CC – GS1150 E/EF		E,G	84 > 86	X27ESR-U	4116	0,6	IX27	5373
1100 CC – GS1150 EF		F	85 >	X27ESR-U	4116	0,6	IX27	5373
1100 CC – GSX 1100 / L		T,X,Z,D	80 >	X24ESR-U	4101	0,6	IX24	5372
1100 CC – GSX 1100 E		F	85 >	X27EPR-U9	4111	0,8	IX27B	5377
1100 CC – GSX 1100 E		G	86 >	X27ESR-U	4116	0,7	IX27	5373
1100 CC – GSX 1100 E/ES		E,G	84 > 86	X27ESR-U	4116	0,6	IX27	5373
1100 CC – GSX 1100 EFE		I		X24ESR-U	4101	0,9	IX24	5372
1100 CC – GSX 1100 ES		F	85 >	X27ESR-U	4116	0,6	IX27	5373
1100 CC – GSX 1100 F		J,K,L,M,N,P	88 >	X27ETR	4130	0,7	IX27	5373
1100 CC – GSX 1100 G		M,N,P	91 >	X27ETR	4130	0,7	IX27	5373
1100 CC – GSX 1100 S (KATANA)		T,X,Z,D,E	80 >	X24ESR-U	4101	0,6	IX24	5372
1100 CC – GSX-K 1100		<I>		U27ESR-N	4131	0,7	IU27	5363
1100 CC – GSX-R 1100		G,H,J,K	86 > 90	X27ETR	4130	0,7	IX27	5373
1100 CC – GSX-R 1100		L (FAST DRIVING = OPTION)	90 >	X31ETR	4170	0,7	IXU01-31	5732
1100 CC – GSX-R 1100		L,M,N	90 > 92	X27ETR	4130	0,7	IX27	5373
1100 CC – GSX-R 1100 W		P,R,S,T	93 > 01	U27ESR-N	4131	0,7	IU27	5363
1150 CC – GS 1150 EF		E,G	84 >	X27ESR-U	4116	0,7	IX27	5373
1150 CC – GSX 1150 EF / ES			84 >	X27ESR-U	4116	0,7	IX27	5373
1200 CC – GSF 1200 / -S (BANDIT)	72	T,V,W,X	96 > 06	X27ETR	4130	0,7	IX27	5373
1200 CC – GSX 1200 (INAZUMA)	72	W	98 >	-		0,9	IX24	5372
1200 CC – GV 1200 GL		F,G	85 >	X24ESR-U	4101	0,7	IX24	5372
1250 CC – GSF 1250 (S) ABS (BANDIT)	72		06 >	U22ESR-N	4174	0,8	IU22	5361
1250 CC – GSF 1250 BANDIT			07 >	U22ESR-N	4174	0,6	IU22	5361
1250 CC – GSX 1250FA			10 >	U22ESR-N	4174	0,6	IU22	5361
1300 CC – GSX 1300 R HAYABUSA	72-129	X	99 >	U27ESR-N	4131	0,7	IU27	5363
1340 CC – GSX 1300 B-KING	135		08 >	-		0,9	IU27D	5390
1340 CC – GSX-R 1300 R HAYABUSA	145		08 >	-		0,9	IU27D	5390
1400 CC – GSX 1400	78-86		01 >	U24ETR	4158	0,7	IU24A	5365
1400 CC – GV 1400 GC / GD / GT		G,H,L	86 >	-		0,7	IX22B	5375
1400 CC – VS 1400 (INTRUDER)		H	87 >	X24EPR-U9	4096	0,9	IX24B	5376
1400 CC – VS 1400 GL (INTRUDER)		J	88 >	X24EPR-U9	4096	0,9	IX24B	5376
1400 CC – VS 1400 GLF / GLP (INTRUDER)		L,M,N,P,R,S,T,V,W,X	90 >	X24EPR-U9	4096	0,9	IX24B	5376
1450 CC – VZ 1450 MARAUDER	48		98 >	X24EPR-U9	4096	0,9	IX24B	5376
1500 CC – M 1500 INTRUDER			09 >	U20ESR-N	4221	0,7	IU20	5360
1500 CC – VL 1500 INTRUDER C	49		05 >	X22EPR-U9	4086	0,9	IX22B	5375
1500 CC – VL 1500 INTRUDER LC	51	W	98 > 04	X22EPR-U9	4086	0,9	IX22B	5375
1500 CC – VL1500/C90/C90T		INTRUDER	98 > 07	X22EPR-U9	4086		IX22B	5375
1552 CC – BOULEVARD M95			> 05	X20EPR-U9	4125		IX22B	5375
1600 CC – M 1600 INTRUDER	54		05 >	X20EPR-U9	4125	0,9	IX22B	5375
1600 CC – VZ 1600 MARAUDER			04 >	X20EPR-U9	4125	0,9	IX22B	5375
1800 CC – C 1800 R INTRUDER			08 >	U24ETR	4158	0,7	IU24	5362
1800 CC – C 1800 R INTRUDER	84		08 >	U27ETR	4155	0,7	IU27A	5366
1800 CC – M 1800R INTRUDER		K6	06 >	U27ETR	4155	0,7	IU27A	5366
1800 CC – VZR1800			> 07	U24ETR	4158		IU22	5361
SV								
35 CC – DAKAR 2 / 3				W20MP-U	6023	0,5	-	
35 CC – TRICICIO MINI DAKAR				W20MP-U	6023	0,5	-	









	KW			Standard			Alternative	
								
SWM								
50 CC – CROSS 50				W27FS-U	4052	0,5	IWF27	5381
50 CC – CROSS BOY / MINI CROSS		MINARELLI ENGINE		W16FPR-U	4192	0,5	IWF16	5359
50 CC – SIX DAYS ER				W24FS-U	4038	0,5	IWF24	5380
100 CC – REGOLARITA N				W24FS-U	4038	0,5	IWF24	5380
100 CC – SIX DAYS ER / ES				W24FS-U	4038	0,5	IWF24	5380
125 CC – CROSS REPLICCA, SILVA VASE				-		0,5	IW27	5317
125 CC – CROSS, REGOLARITA N				W24FS-U	4038	0,5	IWF24	5380
125 CC – RS 125 GS				W31ESR-U	4176	0,5	IW31	5319
125 CC – TLM 125			80 >	W16EPR-U	3021	0,4	IW16	5305
200 CC – TL 200				W16EPR-U	3021	0,4	IW16	5305
240 CC – TL 240				W16EPR-U	3021	0,4	IW16	5305
250 CC – CROSS 250				-		0,5	IW27	5317
276 CC – RS 320 TL / TLM 320				W16EPR-U	3021	0,5	IW16	5305
350 CC – MCTF 2 347 / RS 347 GS				-		0,5	IW27	5317
350 CC – TL 350				W16EPR-U	3021	0,4	IW16	5305
370 CC – MCTF 2 370				-		0,5	IW27	5317
400 CC – MCTF 2 440				-		0,5	IW27	5317
SYM								
50 CC – ALLO			11 >	U20FSR-U	4004	0,6	IUF22	5383
50 CC – ATV 50				W22FPR-U	4022	0,6	IWF22	5379
50 CC – BIG WHEEL 50	4			W24FR-L	4154	0,6	IWF24	5380
50 CC – BULLET 50			91 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – DD 50				W24FR-L	4154	0,6	IWF24	5380
50 CC – DIO			95 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – FANCY 50			96 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – FIDDLE 50				W24FR-L	4154	0,6	IWF24	5380
50 CC – FIDDLE II 50S	2.35			U22FSR-U	4008	0,6	IUF22	5383
50 CC – FLASH 50			96 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – FOX 50				W22FPR-U	4022	0,6	IWF22	5379
50 CC – FREE			96 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – JET4 SERIES	2.8		96 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – MASK 50				W24FR-L	4154	0,6	IWF24	5380
50 CC – MIO / MIO SPORT	2.9		05 >	U20FSR-U	4004	0,6	IUF22	5383
50 CC – ORBIT II	2.35			U22FSR-U	4008	0,6	IUF22	5383
50 CC – PURE			96 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – RED DEVIL 50				W24FR-L	4154	0,6	IWF24	5380
50 CC – RS 50	2.8			W24FR-L	4154	0,6	IWF24	5380
50 CC – SHARK 50			05 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – SUPER FANCY	4		96 >	W24FR-L	4154	0,6	IWF24	5380
50 CC – SYMPHONY SR			09 >	U22FSR-U	4008	*	IUF22	5383
50 CC – SYMPLY			09 >	U22FSR-U	4008	*	IUF22	5383
50 CC – TONIK			10 >	U20FSR-U	4004	0,6	IUF22	5383
100 CC – MIO 100				U20FSR-U	4004	0,7	IUF22	5383
125 CC – ATTLA 125				W24FR-L	4154	0,6	IWF24	5380
125 CC – CITYCOM 125	9.5			U24ESR-N	4126	0,8	IU24	5362
125 CC – FIDDLE II 125				U22FSR-U	4008	0,6	IUF22	5383
125 CC – GTS 125I EVO	9		06 >	U24ESR-N	4126	0,6	IU24	5362
125 CC – HD 125	9.7		05 > 08	U24ESR-N	4126	0,8	IU24	5362
125 CC – HD 2			10 >	U24ESR-N	4126	0,7	IU24	5362
125 CC – HD125 EVO			08 >	U22ESR-N	4174	0,7	IU22	5361
125 CC – HUSKY			95 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – JOYRIDE 125			03 > 04	U22FSR-U	4008	0,6	IUF22	5383
125 CC – JOYRIDE 125 EVO			05 >	U24ESR-N	4126	0,6	IU24	5362
125 CC – MEGALO 125				U22FSR-U	4008	0,7	IUF22	5383
125 CC – ORBIT 125	5.9			U22FSR-U	4008	0,6	IUF22	5383
125 CC – SHARK 125			99 >	U22FSR-U	4008	0,7	IUF22	5383
125 CC – SIMPLY 125			09 >	U22FSR-U	4008	*	IUF22	5383
125 CC – SUPER DUKE 125	7		96 >	U22FSR-U	4008	0,6	IUF22	5383
125 CC – SYMPHONY 125			09 >	U22FSR-U	4008	*	IUF22	5383
125 CC – VS 125	8.4			U22ESR-N	4174	0,6	IU22	5361
125 CC – WOLF 125			05 > 09	X24ESR-U	4101	0,7	IX24	5372
125 CC – WOLF 125			10 >	X22ESR-U	4091	0,7	IX22	5371
125 CC – XS 125-K	8			X22ESR-U	4091	0,6	IX22	5371
150 CC – VS 150			07 >	U24ESR-N	4126	*	IU24	5362
151 CC – FIDDLE II 150			10 >	U22FSR-U	4008	0,6	IUF22	5383
151 CC – SYMPHONY			10 >	U22FSR-U	4008	0,6	IUF22	5383
172 CC – HD 200	11.5			U24ESR-N	4126	0,8	IU24	5362
200 CC – HD 2			10 >	U22ESR-N	4174	0,7	IU22	5361

	KW			Standard			Alternative	
								
SYM continued								
200 CC – HD 200			05 >	U24ESR-N	4126	0,7	IU24	5362
200 CC – HD 200I EVO E3				U22ESR-N	4174	0,7	IU22	5361
200 CC – JOYRIDE 200			05 >	U24ESR-N	4126	0,7	IU24	5362
250 CC – GTS 250I	16.9			U24ESR-N	4126	0,6	IU24	5362
250 CC – JOYMAX 250			06 >	U24ESR-N	4126	*	IU24	5362
264 CC – CITYCOM 300	16.9			U24ESR-N	4126	0,8	IU24	5362
264 CC – GTS 300I	16.9			U24ESR-N	4126	0,6	IU24	5362
300 CC – JOYMAX EVO			08 >	U24ESR-N	4126	*	IU24	5362
400 CC – MAXSYM 400I	24.5		10 >	U24ESR-N	4126	0,7	IU24	5362
500 CC – 500 GT / XP			04 >	-		0,6	IU24A	5365
TECNOMOTO								
50 CC – CROSS / PACIUGO / TOURING / PERS.				W16FS-U	3034	0,5	IWF16	5359
TESTI								
50 CC – CARABO / CHAMPION / CRICKET		(L=19.0MM THREAD)	70 > 82	W20FSR-U	6053	0,5	IWF22	5379
50 CC – CARABO / CHAMPION / CRICKET		(L=12.7MM THREAD)	71 > 82	W20ESR-U	3057	0,5	IW20	5306
50 CC – OK		MINARELLI ENGINE V1H/C2	80 >	W20FSR-U	6053	0,5	IWF22	5379
80 CC – GRAND TOURING		MINARELLI ENGINE	> 82	W24FS-U	4038	0,5	IWF24	5380
125 CC – 2000 SPECIAL / CORSA / EASY RIDER			75 > 82	W24ESR-U	4033	0,5	IW24	5316
TGM								
50 CC – C79 / COMPETITION			> 82	W31ESR-U	4176	0,6	IW31	5319
50 CC – R79			> 82	W24FS-U	4038	0,6	IWF24	5380
125 CC – R79 / CROSS R / MX			> 82	W31ESR-U	4176	0,6	IW31	5319
250 CC – R79 / CROSS R / MX				W31ESR-U	4176	0,6	IW31	5319
320 CC – T80				W31ESR-U	4176	0,6	IW31	5319
TITAN								
1566 CC – GECKO	52		97 >	W16EPR-U	3021	0,9	IW16	5305
1566 CC – ROADRUNNER / SCORPION / SIDEWINDER			97 >	W16EPR-U	3021	0,9	IW16	5305
TM RACING								
80 CC – TM 80 CROSS , ENDURO		2-STROKE	94 > 00	W27ESR-V	4049	0,6	IW27	5317
123 CC – TM 125 CROSS , ENDURO		2-STROKE	94 > 99	W27ESR-V	4049	0,6	IW27	5317
123 CC – TM 125 CROSS , ENDURO		2-STROKE	99 > 03	-		0,6	IW31	5319
249 CC – TM 250 CROSS, ENDURO (MX / EN)		2-STROKE	03 >	W24ESR-V	4035	0,6	IW24	5316
249 CC – TM 250 CROSS, ENDURO (MX / EN)		2-STROKE	94 > 02	W24ESR-V	4035	0,6	IW24	5316
250 CC – TM 250 CROSS, ENDURO (END / MX/ SMX/ SMM / SMR)		4-STROKE	03 >	U24ESR-N	4126	0,8	IU24	5362
293 CC – TM 300 CROSS, ENDURO (MX / EN)		2-STROKE	03 >	W24ESR-V	4035	0,6	IW24	5316
400 CC – TM 400 END / MX		4-STROKE	03 >	U24ESR-N	4126	0,8	IU24	5362
449 CC – TM 450 END / MX / SMM / SMR / SMX		4-STROKE	03 >	U24ESR-N	4126	0,8	IU24	5362
528 CC – TM END-MX-SMM/SMR-SMX 530		4-STROKE	03 >	U24ESR-N	4126	0,8	IU24	5362
600 CC – TM SMX 600		4-STROKE	03 >	U24ESR-N	4126	0,8	IU24	5362
657 CC – TM SMX 660		4-STROKE	03 >	U24ESR-N	4126	0,8	IU24	5362
TOKAIDO (NECKERMANN)								
50 CC – 2000			96 >	W22FSR	4024	0,6	IWF22	5379
50 CC – 50 V				W22FPR-U	4022	0,6	IWF22	5379
50 CC – RC 25 -1	0.8			W16FS-U	3034	0,6	IWF16	5359
50 CC – SM 50				W22FPR-U	4022	0,6	IWF22	5379
50 CC – SM 50 /1				W22FPR-U	4022	0,6	IWF22	5379
TOMOS								
50 CC – 4 L / 14 TLC / TLS / 15 SL / SLC				W24FS-U	4038	0,5	IWF24	5380
50 CC – A 3 / APN 4 / 4H				W22FS-U	4025	0,5	IWF22	5379
50 CC – A 35 .. / B / QUADRO / CLASSIC			93 >	W20FSR-U	6053	0,6	IWF22	5379
50 CC – AUTOMATIC NT / 3 / 3K / 2 SPEED				W22FS-U	4025	0,5	IWF22	5379
50 CC – COLIBRI			92 >	W20FSR-U	6053	0,6	IWF22	5379
50 CC – CROSS 50 JUNIOR / SPORT 50				W24FS-U	4038	0,5	IWF24	5380
50 CC – ST 50 / 50 VS / 14 VN				W22FS-U	4025	0,5	IWF22	5379
50 CC – T 12				W16FS-U	3034	0,5	IWF16	5359
90 CC – 90 ELECTRONIC				W22FS-U	4025	0,5	IWF22	5379
TORROT								
50 CC – CICLOMATIC -2VL / CITY CX / -N / -SL / -X				W22FS-U	4025	0,5	IWF22	5379
50 CC – CYCLOSCOOTER S50 / CITY L / -2V / -2V / -TT				W20FSR-U	6053	0,5	IWF22	5379
50 CC – GRAN CROSS / MAXI / MINI / MUSTANG				W16FS-U	3034	0,5	IWF16	5359
50 CC – PANTHER / TIBURON / TRIAL / TURISMO				W16FS-U	3034	0,5	IWF16	5359
TRILETTE								
HANDICAP BIKE				W14FR-L	4181	0,7	IWF16	5359
TRIUMPH								
250 CC – CUB			53 >	W20FSR-U	6053		IWF20	5378

	KW			Standard		Alternative		
								
TRIUMPH continued								
250 CC – TROPHY 250		T25SS		W24ESR-U	4033		IW24	5316
498 CC – T 100			39 > 73	W24FS-U	4038	0,5	IWF24	5380
500 CC – 5 T SPEED TWIN				W22FS-U	4025	0,5	IWF22	5379
500 CC – GRAND PRIX				W31FS	4065	0,5	-	
500 CC – TIGER 100 / 5 TA / 5 TRA / T 100A			59 >	W22ESR-U	3098	0,5	-	
500 CC – TIGER 1000 C				W27ESR-U	4045	0,5	IW27	5317
500 CC – TR 5 TROPHY		CAST IRON HEADS		W22FS-U	4025	0,5	IWF22	5379
500 CC – TR 5 TROPHY TRIAL		ALUMINIUM HEADS		W22ESR-U	3098	0,5	-	
500 CC – TRIDENT / TROPHY / DAYTONA / T100R				W24ESR-U	4033	0,5	IW24	5316
600 CC – TT 600 / DAYTONA 600 / SPEED FOUR	80-82		99 > 04	U27ETR	4155	0,7	IU27A	5366
650 CC – 6T THUNDERBIRD		ENG NO. -> 029363		W22FS-U	4025	0,5	IWF22	5379
650 CC – 6T THUNDERBIRD		ENG NO. 029364 ->		W22ESR-U	3098	0,5	-	
650 CC – BONNEVILLE T 120 /-R /-V	34		58 > 76	W24ESR-U	4033	0,5	IW24	5316
650 CC – DAYTONA 650	84		04 >	U27ETR	4155	0,7	IU27A	5366
650 CC – T 110		(L=12.7MM THREAD)		W22FS-U	4025	0,5	IWF22	5379
650 CC – T 110		(L=19.0MM THREAD)		W22ESR-U	3098	0,5	-	
650 CC – TIGER / TROPHY SPORT (TR6C)			55 > 73	W24ESR-U	4033	0,5	IW24	5316
650 CC – TIGER TRAIL (TR65T)			81 > 83	W24ESR-U	4033	0,5	IW24	5316
650 CC – TR 6 TROPHY (ENG. NO. -> 029363)			> 80	W22FS-U	4025	0,5	IWF22	5379
650 CC – TR 6 TROPHY (ENG. NO. 029364 ->)			> 80	W22ESR-U	3098	0,5	-	
675 CC – DAYTONA 675 / RR	92		06 >	U27ETR	4155	0,7	IU27A	5366
675 CC – STREET TRIPLE 675 / R	79		07 >	U27ETR	4155	0,7	IU27A	5366
724 CC – BONNEVILLE 750 T 140D / E			73 > 83	W20ESR-U	3057	0,5	IW20	5306
744 CC – BONNEVILLE 750 T 140D / E			73 > 83	W20ESR-U	3057	0,5	IW20	5306
750 CC – BONNEVILLE 750 T 140V			85 > 88	W24ESR-U	4033	0,5	IW24	5316
750 CC – DAYTONA 750			91 > 98	X24EPR-U9	4096	0,9	IX27B	5377
750 CC – SPEED TRIPLE 750			94 > 97	X24EPR-U9	4096	0,9	IX24B	5376
750 CC – TIGER / HURRICANE / TRX 75		TR7,-V,-RV	72 > 83	W24ESR-U	4033	0,5	IW24	5316
750 CC – TIGER TRAIL (TR7T)			81 > 83	W24ESR-U	4033	0,5	IW24	5316
750 CC – TRIDENT 750			91 > 98	X24EPR-U9	4096	0,9	IX27B	5377
750 CC – TRIDENT T150V / T160			68 > 80	W24ESR-U	4033	0,5	IW24	5316
790 CC – BONNEVILLE	45	DOHC	00 >	X24EPR-U9	4096	0,9	IX24B	5376
790 CC – BONNEVILLE AMERICA	45	DOHC	02 > 07	X24EPR-U9	4096	0,9	IX24B	5376
790 CC – SPEEDMASTER			02 > 05	X24EPR-U9	4096	0,9	IX24B	5376
800 CC – TIGER 800 / XC			10 >	U27ETR	4155	0,7	IU27A	5366
865 CC – BONNEVILLE / T100	47		02 >	X24EPR-U9	4096	0,9	IX24B	5376
865 CC – BONNEVILLE AMERICA	45		06 >	X24EPR-U9	4096	0,9	IX24B	5376
865 CC – SPEEDMASTER	40		05 >	X24EPR-U9	4096	0,9	IX24B	5376
865 CC – THRUXTON 900	51		03 >	X24EPR-U9	4096	0,9	IX24B	5376
865 CC – THRUXTON 900 SE			10 >	X24EPR-U9	4096	0,9	IX24B	5376
885 CC – ADVENTURER 900	51		96 > 01	X24EPR-U9	4096	0,9	IX27B	5377
885 CC – DAYTONA 900 / SUPER III			91 > 97	X24EPR-U9	4096	0,9	IX27B	5377
885 CC – LEGEND TT	25 - 51		98 > 01	X27EPR-U9	4111	0,9	IX27B	5377
885 CC – SPEED TRIPLE T300B/T309			94 > 96	X24EPR-U9	4096	0,9	IX27B	5377
885 CC – SPEED TRIPLE T509	72-81		96 > 04	X24EPR-U9	4096	0,9	IX24B	5376
885 CC – SPRINT 900			93 > 98	X24EPR-U9	4096	0,9	IX27B	5377
885 CC – SUPER III	72-85		94 >	X24EPR-U9	4096	0,9	IX27B	5377
885 CC – THUNDERBIRD 900 / SPORT			95 > 04	X24EPR-U9	4096	0,9	IX27B	5377
885 CC – TIGER 900			93 > 04	X24EPR-U9	4096	0,9	IX27B	5377
885 CC – TRIDENT 900 (SPRINT)			91 > 98	X24EPR-U9	4096	0,9	IX27B	5377
885 CC – TROPHY 900			91 > 01	X24EPR-U9	4096	0,9	IX27B	5377
900 CC – SCRAMBLER 900	40.5		06 >	X24EPR-U9	4096	0,9	IX24B	5376
900 CC – THUNDERBIRD SPORT	57 - 61		95 > 04	X24EPR-U9	4096	0,9	IX24B	5376
900 CC – X 90	74		95 >	X24EPR-U9	4096	0,9	IX27B	5377
955 CC – DAYTONA 955I (595N)	108		02 > 06	U27ETR	4155	0,7	IU27A	5366
955 CC – DAYTONA T595 / 955I / SUPER III	72-96		96 > 01	X24EPR-U9	4096	0,8	IX24B	5376
955 CC – SPEED TRIPLE T509/T595	72-88		99 > 01	X24EPR-U9	4096	0,8	IX24B	5376
955 CC – SPEED TRIPLE T595N			02 > 05	U27ETR	4155	0,6	IU27A	5366
955 CC – SPRINT ST / SPRINT RS / SPEED TRIPLE			02 >	U27ETR	4155	0,7	IU27A	5366
955 CC – SPRINT ST / SPRINT RS / SPRINT TRIPLE	79-88		99 > 01	X24EPR-U9	4096	0,8	IX24B	5376
955 CC – TIGER 955I	77		00 > 07	X24EPR-U9	4096	0,8	IX24B	5376
1000 CC – DAYTONA 1000			90 > 92	X24EPR-U9	4096	0,9	IX27B	5377
1050 CC – SPEED TRIPLE 1050	95		04 >	U24ETR	4158	0,9	IU24A	5365
1050 CC – SPRINT GT / ST 1050	90		04 >	U27ETR	4155	0,7	IU27A	5366
1050 CC – TIGER 1050	84		06 >	U27ETR	4155	0,7	IU27A	5366
1180 CC – DAYTONA 1200	72-110		93 > 99	X24EPR-U9	4096	0,9	IX27B	5377
1200 CC – THUNDERBIRD 1200			95 >	X24EPR-U9	4096	0,9	IX27B	5377
1200 CC – TIGER 1200			92 >	X24EPR-U9	4096	0,9	IX27B	5377



	KW			Standard			Alternative	
								
TRIUMPH <i>continued</i>								
1200 CC – TROPHY 1200			91 > 03	X24EPR-U9	4096	0,9	IX27B	5377
1599 CC – THUNDERBIRD 1600 / STORM		PARALLEL TWIN	09 >	X20EPR-U9	4125	0,9	IX22B	5375
2294 CC – ROCKET III / CLASSIC / TOURER	79-103	TWIN SPARK	03 >	X24EPR-U9	4096	0,9	IX24B	5376
2300 CC – ROCKET III ROADSTER / TOURING	79-103	TWIN SPARK	06 >	X24EPR-U9	4096	0,9	IX24B	5376
URAL								
650 CC – IMZ-8-103-10 / 8-103-40 TOURIST	26.5	ELECTR. IGNITION	95 >	W22FSR	4024	0,6	IWF22	5379
650 CC – IMZ-8-123-10	26.5	ELECTR. IGNITION	95 >	W22FSR	4024	0,6	IWF22	5379
VALENTI								
80 CC – CR 80W CROSS				-		0,5	IW31	5319
VELOSOLEX								
50 CC – 2200 / 3300 / 3800 / 5000 / 6000 / AT S 3800				W16FS-U	3034	0,5	IWF16	5359
50 CC – 8000 / TENOR GL /-GR /-GS				W16FS-U	3034	0,5	IWF16	5359
50 CC – SOLEX / PLI-SOLEX / MICRON				W16FS-U	3034	0,5	IWF16	5359
50 CC – TENOR L / -R / -S				W20ESR-U	3057	0,5	IW20	5306
VERTEMATI (VOR)								
501 CC – 492 SUPERMOTO	41		98 >	U24ETR	4158	0,7	IU24A	5365
501 CC – E501 OFFROAD, S501 MOTARD			98 >	U24ETR	4158	0,7	IU24A	5365
VESPA > PIAGGIO VOXAN								
996 CC – BLACK MAGIC	88		06 >	-		0,7	IK24	5311
996 CC – CAFE RACER	78-88		99 >	-		0,7	IK24	5311
996 CC – CHARADE RACING	88		06 >	-		0,7	IK24	5311
996 CC – ROADSTER	78-88		98 >	-		0,7	IK24	5311
996 CC – SCRAMBLER	63		00 >	-		0,7	IK24	5311
WINKING								
50 CC – BUNNY AS / AT / AX				W22FPR-U	4022	0,7	IWF22	5379
50 CC – BUNNY AS 50 X				W20FPR-U	3070	0,7	IWF20	5378
50 CC – KOALA 2				W16FS-U	3034	0,7	IWF16	5359
50 CC – KOALA LM				W20FSR-U	6053	0,6	IWF22	5379
50 CC – SCOOTY ROLLER				W20FSR-U	6053	0,6	IWF22	5379
YAMAHA								
GOLF CAR G1A / G3				W16FPR-U	4192	0,7	IWF16	5359
GOLF CAR G2A / G9A			92 >	W16ESR-U	3110	0,5	IW16	5305
GOLF CAR GE				W14FR-U	4017	0,7	-	
50 CC – AEROX / AEROX SP (YQ 50)			95 >	W24FSR	4037	0,7	IWF24	5380
50 CC – AXIS			96 >	W22FSR	4024	0,7	IWF22	5379
50 CC – BA 50 / 50 N / 50 NH / 50 S			07 > 07	W22FSR	4024	0,6	IWF22	5379
50 CC – BW 50			91 >	W22FSR	4024	0,7	IWF22	5379
50 CC – BW'S 50		3WV4	94 >	W22FPR-U	4022	0,7	IWF22	5379
50 CC – BW'S 50		3WV6	95 >	W24FSR	4037	0,7	IWF24	5380
50 CC – BW'S 50 R		4PB2-6	95 >	W24FSR	4037	0,7	IWF24	5380
50 CC – BW'S NEXT GENERATION / SPY / BUMP			95 > 99	W22FSR	4024	0,7	IWF22	5379
50 CC – BW'S NG / SPY / BUMP		<D,F >	96 > 99	W24FSR	4037	0,7	IWF24	5380
50 CC – BW'S NG / SPY / BUMP			99 >	W24FSR	4037	0,7	IWF24	5380
50 CC – BX 50 / 50N / 50S			07 > 08	U24ESR-N	4126	0,7	IU24	5362
50 CC – CA 50		14T	83 > 87	W20FPR-U	3070	0,7	IWF20	5378
50 CC – CA 50 K / M / N				W20FPR-U	3070	0,7	IWF20	5378
50 CC – CE 50 S / E				W20FPR-U10	3268	1,0	IWF20	5378
50 CC – CG 50 E (JOG)			95 >	W22FPR-U	4022	0,6	IWF22	5379
50 CC – CH 50				W22FPR-U	4022	0,7	IWF22	5379
50 CC – CR 50 Z				W22FPR-U	4022	0,7	IWF22	5379
50 CC – CR 50 Z / SS			93 >	W22FP-U10	4168	1,0	IWF22	5379
50 CC – CS 50 / Z JOG RR			02 > 09	W24FSR	4037	0,7	IWF24	5380
50 CC – CT 50 S / SS				W22FPR-U	4022	0,7	IWF22	5379
50 CC – CV 50			07 >	W22FPR-U	4022	0,7	IWF22	5379
50 CC – CV 50 A / L / R / Z2 / ZR			07 >	W22FPR-U	4022	0,7	IWF22	5379
50 CC – CW 50 BWS			91 > 93	W22FSR	4024	0,8	IWF22	5379
50 CC – CW 50 BWS			94 >	W22FPR-U	4022	0,7	IWF22	5379
50 CC – CW50 ...		SCOOTER - VINO	98 > 09	W24FSR	4037		IWF24	5380
50 CC – CY 50 E			93 >	W22FPR-U	4022	0,7	IWF22	5379
50 CC – CY 50 F			94 >	W22FPR-U	4022	0,7	IWF22	5379
50 CC – CY 50 JOG			94 >	W22FPR-U	4022	0,7	IWF22	5379
50 CC – DT 50				W20FSR-U	6053	0,7	IWF22	5379
50 CC – DT 50		(L=12.7MM THREAD)	> 81	W20FSR-U	6053	0,7	IWF22	5379
50 CC – DT 50		(L=12.7MM THREAD)	82 > 87	W24FS-U	4038	0,7	IWF24	5380
50 CC – DT 50 A		<F>		W20FSR-U	6053	0,7	IWF22	5379
50 CC – DT 50 E			93 >	W24ESR-U	4033	0,7	IW24	5316
50 CC – DT 50 F			94 >	W24ESR-U	4033	0,8	IW24	5316
50 CC – DT 50 LC			88 >	-		0,6	IW24	5316








	KW			Standard			Alternative	
								
YAMAHA continued								
50 CC – DT 50 M		12Y		W24FS-U	4038	0,7	IWF24	5380
50 CC – DT 50 M		1JM		W20FSR-U	6053	0,7	IWF22	5379
50 CC – DT 50 M		1NN		W22FSR	4024	0,7	IWF22	5379
50 CC – DT 50 M		29H / 29J		W20FSR-U	6053	0,7	IWF22	5379
50 CC – DT 50 M		5M6		W22FS-U	4025	0,7	IWF22	5379
50 CC – DT 50 M		2M4	78 > 81	W20FSR-U	6053	0,7	IWF22	5379
50 CC – DT 50 M		<A, B, NL>	86 >	W20FSR-U	6053	0,7	IWF22	5379
50 CC – DT 50 M		<S>	86 >	W20FSR-U	6053	0,7	IWF22	5379
50 CC – DT 50 M		<D>	86 >	W22FSR	4024	0,7	IWF22	5379
50 CC – DT 50 MX		<GB>		W22FS-U	4025	0,7	IWF22	5379
50 CC – DT 50 MX		1NN	86 > 90	W20FSR-U	6053	0,7	IWF22	5379
50 CC – DT 50 R		3MN / 4CT2/-4/-6	90 >	W22FSR	4024	0,7	IWF22	5379
50 CC – DT 50 SUPERMOTARD			03 >	W27ESR	6069	0,8	IW27	5317
50 CC – DT 50 W				W24ESR-U	4033	0,8	IW24	5316
50 CC – DX 50 R		5BK2	97 >	W24ESR-U	4033	0,8	IW24	5316
50 CC – DX 50 S		4CT3 / 4CT5 / 4CT7	92 >	W22FSR	4024	0,7	IWF22	5379
50 CC – ES 50				W24FS-U	4038	0,7	IWF24	5380
50 CC – EVOLIS			92 >	W22FSR	4024	0,7	IWF22	5379
50 CC – EW 50 N			07 > 09	W24FSR	4037	0,7	IWF24	5380
50 CC – EW 50 SLIDER			00 >	W24FSR	4037	0,7	IWF24	5380
50 CC – FIZZ			95 >	W24FSR	4037	0,7	IWF24	5380
50 CC – FS 1		<B, GB>		W22FSR	4024	0,7	IWF22	5379
50 CC – FS 1		<S>		W20FSR-U	6053	0,7	IWF22	5379
50 CC – FS 1		3F2	79 > 80	W20FSR-U	6053	0,7	IWF22	5379
50 CC – FS 1 DX				W20FSR-U	6053	0,7	IWF22	5379
50 CC – FS 1 DX		<GB>		W22FS-U	4025	0,7	IWF22	5379
50 CC – FS 1 E				W22FS-U	4025	0,7	IWF22	5379
50 CC – FS 1 F / F-DX / H / HB / H-DX / K				W20FSR-U	6053	0,7	IWF22	5379
50 CC – FS 1 KF / M / S / SE / S-DX / P / -D / -DX				W20FSR-U	6053	0,7	IWF22	5379
50 CC – FS 1 M M				W22FPR-U	4022	0,7	IWF22	5379
50 CC – FS 1 S SE				W22FPR-U	4022	0,7	IWF22	5379
50 CC – FS 3 M				W24FS-U	4038	0,7	IWF24	5380
50 CC – FS 50				W24FS-U	4038	0,7	IWF24	5380
50 CC – FT 1				W22FS-U	4025	0,7	IWF22	5379
50 CC – GT 50 B				W22FS-U	4025	0,7	IWF22	5379
50 CC – GT 50 D		FT1	73 > 75	W22FS-U	4025	0,7	IWF22	5379
50 CC – JOG 50			90 >	W20FPR-U	3070	0,7	IWF20	5378
50 CC – LB 2				W22FS-U	4025	0,7	IWF22	5379
50 CC – LB 2 80 (CHAPPY)			> 80	W20FSR-U	6053	0,7	IWF22	5379
50 CC – LB 2 80 (CHAPPY)			81 >	W20FPR-U	3070	0,7	IWF20	5378
50 CC – LB 2 M (551) (CHAPPY)			75 > 80	W20FSR-U	6053	0,7	IWF22	5379
50 CC – LB 2 M (CHAPPY)			81 >	W20FPR-U	3070	0,7	IWF20	5378
50 CC – LB 3 80 (BOP)				W20FSR-U	6053	0,7	IWF22	5379
50 CC – LB 3 M (BOP)			78 >	W20FPR-U	3070	0,7	IWF20	5378
50 CC – LB 50 (CHAPPY)				W20FSR-U	6053	0,7	IWF22	5379
50 CC – LC 50 H / M				W14FPR-UL	4016	0,7	IWF16	5359
50 CC – MA 50 / MA 50 M				W14FPR-UL	4016	0,7	IWF16	5359
50 CC – MBK MAGNUM			90 >	W24ESR-U	4033	0,7	IW24	5316
50 CC – MR 50 / MR 50 H				W22FS-U	4025	0,7	IWF22	5379
50 CC – NEO S 50 4T			09 >	U22ESR-N	4174	0,8	IU22	5361
50 CC – NEO'S (YN 50)			96 >	W22FSR	4024	0,7	IWF22	5379
50 CC – PW 50		3PT/H/K	83 >	W14FPR-UL	4016	0,7	IWF16	5359
50 CC – PW 50 E				W14FPR-UL	4016	0,8	IWF16	5359
50 CC – QT 50 / QT 50 H				W14FPR-UL	4016	0,7	IWF16	5359
50 CC – RD 50				W20FSR-U	6053	0,7	IWF22	5379
50 CC – RD 50 DX (353)			73 > 75	W24FS-U	4038	0,7	IWF24	5380
50 CC – RD 50 H				W22FS-U	4025	0,7	IWF22	5379
50 CC – RD 50 MX		2EO	77 > 81	W20FSR-U	6053	0,7	IWF22	5379
50 CC – RX 50 K / L				W24FS-U	4038	0,7	IWF24	5380
50 CC – RZ 50 / K				W24FS-U	4038	0,7	IWF24	5380
50 CC – SA 50 H / M				W14FPR-UL	4016	0,7	IWF16	5359
50 CC – SG 50 STING		34N	83 > 86	W20FPR-U	3070	0,7	IWF20	5378
50 CC – SH 50 / F				W20FPR-U10	3268	1,0	IWF20	5378
50 CC – SH 50 E / ED / MF			93 >	W20FPR-U10	3268	1,0	IWF20	5378
50 CC – SH 50 MINT				W20FPR-U10	3268	1,0	IWF20	5378
50 CC – SLIDER 50 (EW50)			99 >	W24FSR	4037	0,7	IWF24	5380
50 CC – T 50				U20FSR-U	4004	0,7	IUF22	5383
50 CC – TT-R 50			06 > 09	U22FSR-U	4008	0,7	IUF22	5383




	KW			Standard			Alternative	
								
YAMAHA continued								
50 CC – TY 50 M		1G3	77 > 80	W20FSR-U	6053	0,7	IWF22	5379
50 CC – TZ 50				-		0,7	IW27	5317
50 CC – TZR 50 / TZR 50 R			94 >	W27ESR-U	4045	0,7	IW27	5317
50 CC – TZR 50 / X-POWER 5WX-			03 > 08	W27ESR	6069	0,7	IW27	5317
50 CC – V 50				W20FSR-U	6053	0,7	IWF22	5379
50 CC – V 50 D			93 >	W22FS-U	4025	0,7	IWF22	5379
50 CC – V 50 E				W22FS-U	4025	0,7	IWF22	5379
50 CC – V 50 M			> 80	W20FSR-U	6053	0,7	IWF22	5379
50 CC – V 50 M			81 > 83	W20FPR-U	3070	0,7	IWF20	5378
50 CC – V 50 M			84 >	W20ESR-U	3057	0,6	-	
50 CC – WHY (YH 50)			99 >	W24FSR	4037	0,6	IWF24	5380
50 CC – XC 50 / D			07 > 08	U22ESR-N	4174	0,6	IU22	5361
50 CC – XF 50 / GIGGLE			07 > 09	U22ESR-N	4174	0,8	IU22	5361
50 CC – YA 50 (R) AXIS	1	5AK	96 >	W22FSR	4024	0,7	IWF22	5379
50 CC – YA 50 AXIS			91 >	W24FSR	4037	0,7	IWF24	5380
50 CC – YB 50 S				W22FS-U	4025	0,7	IWF22	5379
50 CC – YE 50 ZEST			95 >	W22FSR	4024	0,7	IWF22	5379
50 CC – YH 50 WHY			98 >	W24FSR	4037	0,7	IWF24	5380
50 CC – YM 50 BREEZE			94 >	W22FSR	4024	0,7	IWF22	5379
50 CC – YN 50 NEO'S			96 >	W20FPR-U	3070	0,7	IWF20	5378
50 CC – YN 50 R NEO'S		5AD3	96 >	W22FSR	4024	0,7	IWF22	5379
50 CC – YQ 50 AEROX			97 >	W24FSR	4037	0,7	IWF24	5380
50 CC – YSR 50 U / W				W24FS-U	4038	0,7	IWF24	5380
50 CC – YZ 50 / YZ 50 H				W27ESR-U	4045	0,8	IW27	5317
50 CC – YZ 50 Z				-		0,7	IW27	5317
50 CC – ZEST 50			95 >	W20FSR-U	6053	0,7	IWF22	5379
60 CC – J 2				W22FS-U	4025	0,7	IWF22	5379
60 CC – J 5				W22FS-U	4025	0,7	IWF22	5379
60 CC – RD 60 B				W22FS-U	4025	0,7	IWF22	5379
60 CC – YB 60				W22FS-U	4025	0,7	IWF22	5379
60 CC – YZ 60 H / J				W24ESR-U	4033	0,8	IW24	5316
60 CC – YZ 60 K / L				W27ESR-U	4045	0,7	IW27	5317
65 CC – CW 65			94 >	W22FSR	4024	0,7	IWF22	5379
70 CC – V 70				W20FPR-U	3070	0,7	IWF20	5378
75 CC – RD 75 LC				W24ESR-U	4033	0,8	IW24	5316
75 CC – Y 75				W20FPR-U	3070	0,7	IWF20	5378
80 CC – ACTIVE 80			90 >	W22FPR-U	4022	0,7	IWF22	5379
80 CC – BELUGA				W22FPR-U	4022	0,7	IWF22	5379
80 CC – BW 80 S / W				W22FPR-U	4022	0,7	IWF22	5379
80 CC – BW 80 T / U				W22FPR-U	4022	0,7	IWF22	5379
80 CC – CH 80				W22FSR	4024	0,7	IWF22	5379
80 CC – CV 80 J				W20FPR-U	3070	0,7	IWF20	5378
80 CC – CV 80 K				W22FPR-U	4022	0,7	IWF22	5379
80 CC – CV 80 L				W24FSR	4037	0,7	IWF24	5380
80 CC – CV 80 N / S / T				W24FS-U	4038	0,7	IWF24	5380
80 CC – DT 80 J / K / M				W22FS-U	4025	0,7	IWF22	5379
80 CC – DT 80 LC - I		37A	83 > 86	W24ESR-U	4033	0,7	IW24	5316
80 CC – DT 80 LC - II		53C	84 >	W27ESR-U	4045	0,7	IW27	5317
80 CC – DT 80 MX		5J1	81 > 84	W24FS-U	4038	0,7	IWF24	5380
80 CC – DT 80 MX - S		5T8	83 > 86	W24FSR	4037	0,7	IWF24	5380
80 CC – EVOLIS	5	4MU	96 >	W22FSR	4024	0,7	IWF22	5379
80 CC – FS 80				W22FS-U	4025	0,7	IWF22	5379
80 CC – FS 80 SE		5A7	81 > 82	W22FS-U	4025	0,7	IWF22	5379
80 CC – G 1 F / FD / FG				W22FS-U	4025	0,7	IWF22	5379
80 CC – GT 80 D / E / MX / MXE				W22FS-U	4025	0,7	IWF22	5379
80 CC – GTMX				W22FS-U	4025	0,7	IWF22	5379
80 CC – LB 80				W20FPR-U	3070	0,7	IWF20	5378
80 CC – LB 80 2A / 2AC / 2AD / 2H (CHAPPY)				W20FSR-U	6053	0,7	IWF22	5379
80 CC – LB 80 2HD (CHAPPY)				W22FS-U	4025	0,7	IWF22	5379
80 CC – LB 80 3 / 3D				W20FSR-U	6053	0,7	IWF22	5379
80 CC – MX 80 / MX 80 H / J				W22FS-U	4025	0,7	IWF22	5379
80 CC – PW 80			83 > 96	W20FPR-U	3070	0,7	IWF20	5378
80 CC – PW 80			97 >	W20FPR-U	3070	0,7	IWF20	5378
80 CC – RD 80 LC / -II (30W)			83 > 87	W24ESR-U	4033	0,7	IW24	5316
80 CC – RD 80 MX		5G1	81 > 82	W24FS-U	4038	0,7	IWF24	5380
80 CC – RX 80 SE		12N	82 > 83	W22FS-U	4025	0,7	IWF22	5379
80 CC – T 80				U22FSR-U	4008	0,7	IUF22	5383
80 CC – TDR 80				W24ESR-U	4033	0,7	IW24	5316








	KW			Standard			Alternative	
								
YAMAHA continued								
80 CC – TG 1 D / K / KS / T				W22FS-U	4025	0,7	IWF22	5379
80 CC – TY 80				W22FS-U	4025	0,7	IWF22	5379
80 CC – TZR 80 / RR			91 > 94	W24ESR-U	4033	0,8	IW24	5316
80 CC – V 80 CDI				W20FPR-U10	3268	1,0	IWF20	5378
80 CC – V 80 H / D				W20FPR-U	3070	0,7	IWF20	5378
80 CC – Y 80 / Y 80 E				W20FPR-U	3070	0,7	IWF20	5378
80 CC – YB 80				W22FS-U	4025	0,7	IWF22	5379
80 CC – YE 80 ZEST			94 >	W22FSR	4024	0,7	IWF22	5379
80 CC – YG 3 F				W20FPR-U	3070	0,7	IWF20	5378
80 CC – YSR 80				W24FSR	4037	0,7	IWF24	5380
80 CC – YZ 80		(L=12.7MM THREAD)	> 84	W22FS-U	4025	0,7	IWF22	5379
80 CC – YZ 80		(L=19.0MM THREAD)	> 84	W24ESR-U	4033	0,8	IW24	5316
80 CC – YZ 80			00 >	-		0,6	IW31	5319
80 CC – YZ 80			84 > 85	-		0,6	IW27	5317
80 CC – YZ 80			95 > 99	-		0,7	IW31	5319
80 CC – YZ 80 B				W24FS-U	4038	0,7	IWF24	5380
80 CC – YZ 80 C / D / E			> 92	W24ESR-U	4033	0,8	IW24	5316
80 CC – YZ 80 E / F / LC / LW / LWF			93 > 96	-		0,6	IW31	5319
80 CC – YZ 80 H / LR			> 83	W24ESR-U	4033	0,7	IW24	5316
80 CC – YZ 80 J				W27ESR-U	4045	0,7	IW27	5317
80 CC – YZ 80 K / L / N / T / U / W				-		0,6	IW27	5317
80 CC – YZ 80 LC / LW			97 >	-		0,6	IW31	5319
80 CC – ZEST 80			94 >	W22FSR	4024	0,7	IWF22	5379
85 CC – YZ 85			02 >	-		0,6	IW31	5319
90 CC – AY 90 E / F			93 >	W22FSR	4024	0,7	IWF22	5379
90 CC – CR 90				W22FP-U10	4168	1,0	IWF22	5379
90 CC – DT 90				W24ESR-U	4033	0,7	IW24	5316
90 CC – HS 1				W24FS-U	4038	0,7	IWF24	5380
90 CC – MX 90				-		0,6	IW27	5317
90 CC – T 90 D / -N			07 > 07	U20FSR-U	4004	0,7	IUF22	5383
90 CC – TT-R 90 / E		4-STROKE	00 >	U20FSR-U	4004	0,7	IUF22	5383
90 CC – V 90				W22FS-U	4025	0,7	IWF22	5379
90 CC – YB 90				W22FS-U	4025	0,7	IWF22	5379
100 CC – AEROX 100 (YQ100)		(L=12.7MM THREAD)	99 >	W24FSR	4037	0,7	IWF24	5380
100 CC – AG 100			> 81	W22FS-U	4025	0,7	IWF22	5379
100 CC – AG 100 / AG 100 H			82 >	W22ESR-U	3098	0,8	-	
100 CC – BW'S 100		(L=12.7MM THREAD)	99 >	W24FSR	4037	0,7	IWF24	5380
100 CC – DT 100 / DT 100 C / X				W22ESR-U	3098	0,8	-	
100 CC – DT 100 B				W24FS-U	4038	0,7	IWF24	5380
100 CC – DT 100 D / E / H / SD				W24ESR-U	4033	0,7	IW24	5316
100 CC – DX 100 / DX 100 H				W22FS-U	4025	0,7	IWF22	5379
100 CC – MX 100 / MX 100 H			79 >	W22ESR-U	3098	0,8	-	
100 CC – MX 100 B				-		0,6	IW24	5316
100 CC – MX 100 J / K				W22ESR-U	3098	0,8	-	
100 CC – NEO'S 100		(L=12.7MM THREAD)	99 >	W24FSR	4037	0,7	IWF24	5380
100 CC – RS 100 B / DX / S / X		1YB		W24FS-U	4038	0,7	IWF24	5380
100 CC – RS 100 P				W20FPR-U	3070	0,7	IWF20	5378
100 CC – RT 100 E / F / G		PWS1 / 3UL6	93 >	W22ESR-U	3098	0,8	-	
100 CC – RX 100		(L=12.7MM THREAD)		W24FS-U	4038	0,7	IWF24	5380
100 CC – RX 100		(L=19.0MM THREAD)		W24ESR-U	4033	0,7	IW24	5316
100 CC – RX-S			> 89	W22FPR-U	4022	0,7	IWF22	5379
100 CC – RX-S			90 >	W24FPR-U10	6058	0,7	IWF24	5380
100 CC – RXS 100				W24FSR	4037	0,6	IWF24	5380
100 CC – RX-Z				W24EPR-U	4136	0,7	IW24	5316
100 CC – RX-ZD			93 >	W24EPR-U	4136	0,8	IW24	5316
100 CC – V 100			> 89	W22FPR-U	4022	0,7	IWF22	5379
100 CC – V 100			90 >	W22FP-U10	4168	1,0	IWF22	5379
100 CC – V 100 E / S / SH			93 >	W22FP-U10	4168	1,0	IWF22	5379
100 CC – YB 100			94 >	W20FPR-U	3070	0,7	IWF20	5378
100 CC – YB 100 M				W24FS-U	4038	0,7	IWF24	5380
100 CC – YB 100 P				W22FS-U	4025	0,7	IWF22	5379
100 CC – YL 1 L2 / YL2				W22FS-U	4025	0,7	IWF22	5379
100 CC – YN 100 NEO'S 100			99 >	W24FSR	4037	0,7	IWF24	5380
100 CC – YQ 100 AEROX 100			00 >	W24FSR	4037	0,7	IWF24	5380
100 CC – YW 100 BWS 100			97 >	W22FPR-U	4022	0,8	IWF22	5379
100 CC – YZ 100			82 >	-		0,6	IW27	5317
100 CC – YZ 100 / YZ 100 E / H / J				-		0,7	IW31	5319
110 CC – TT-R 110 E / EX / EY			08 >	U20FSR-U	4004	0,7	IUF22	5383








	KW			Standard			Alternative	
								
YAMAHA continued								
110 CC – V 110 E				W22FP-U10	4168	1,0	IWF22	5379
113 CC – AT 115			07 >	U22FSR-U	4008	0,8	IUF22	5383
115 CC – RX 115 / RXS 115				W24FPR-U10	6058	0,7	IWF24	5380
120 CC – V 120 JR / ZR				W24EPR-U	4136	0,8	IW24	5316
125 CC – BELUGA BL 125 (50W)	7	2-STROKE	85 > 89	W24FPR	4188	0,7	IWF24	5380
125 CC – BELUGA XC 125 (3TE)	6.4	4-STROKE	90 >	U20FSR-U	4004	0,7	IUF22	5383
125 CC – BWS125			09 >	U22FSR-U	4008	0,6	IUF22	5383
125 CC – DT 125			> 85	W24ESR-U	4033	0,8	IW24	5316
125 CC – DT 125			86 > 87	W24ESR-U	4033	0,8	IW24	5316
125 CC – DT 125			88 >	W27ESR-U	4045	0,8	IW27	5317
125 CC – DT 125			89 > 90	W24ESR-U	4033	0,8	IW24	5316
125 CC – DT 125			91 > 93	W27ESR-U	4045	0,7	IW27	5317
125 CC – DT 125			94 >	W24ESR-U	4033	0,8	IW24	5316
125 CC – DT 125 E			77 > 79	W27ESR-U	4045	0,8	IW27	5317
125 CC – DT 125 E (AT2) / ED / F / H / MX				W24ESR-U	4033	0,7	IW24	5316
125 CC – DT 125 LC		10V	82 > 85	W24ESR-U	4033	0,7	IW24	5316
125 CC – DT 125 LC			86 >	W27ESR-U	4045	0,7	IW27	5317
125 CC – DT 125 R				W27ESR-U	4045	0,8	IW27	5317
125 CC – DT 125 R / RE		3RM / 4BL	91 >	W27ESR-U	4045	0,8	IW27	5317
125 CC – DT 125 TENERE		<>		W27ESR-U	4045	0,8	IW27	5317
125 CC – DTR 125 E			95 >	W27ESR-U	4045	0,8	IW27	5317
125 CC – IT 125 H / J				-		0,6	IW27	5317
125 CC – MAXTER XQ 125			01 >	U24ESR-N	4126	0,7	IU24	5362
125 CC – MX 125				-		0,6	IW27	5317
125 CC – NXC 125			04 >	U22ESR-N	4174	0,7	IU22	5361
125 CC – R 125 SE				W22FPR-U	4022	0,7	IWF22	5379
125 CC – RD 125		(L=12.7MM THREAD)		W24FS-U	4038	0,7	IWF24	5380
125 CC – RD 125		(L=19.0MM THREAD)		W24ESR-U	4033	0,7	IW24	5316
125 CC – RD 125 C / C-DX / D / D-DX (A53)				W24ESR-U	4033	0,7	IW24	5316
125 CC – RD 125 LC		10W	82 > 83	W27ESR-U	4045	0,8	IW27	5317
125 CC – RD 125 LC			84 >	W24ESR-U	4033	0,8	IW24	5316
125 CC – RS 125 DX / Z				W24FS-U	4038	0,7	IWF24	5380
125 CC – RS 125 E				W22FS-U	4025	0,7	IWF22	5379
125 CC – RS 125 P				W22FPR-U	4022	0,7	IWF22	5379
125 CC – RT 125 SE				W22FPR-U	4022	0,7	IWF22	5379
125 CC – RX 125		(L=12.7MM THREAD)		W24FS-U	4038	0,7	IWF24	5380
125 CC – RX 125		(L=19.0MM THREAD)		W24ESR-U	4033	0,7	IW24	5316
125 CC – RX 125 H				W22FS-U	4025	0,7	IWF22	5379
125 CC – RZ 125			85 >	W24ESR-U	4033	0,7	IW24	5316
125 CC – SR 125			94 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – SR 125 SP				W22EPR-U	3088	0,7	IW22	5307
125 CC – SR 125 Z			93 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – TA 125 (400) / TA 125 A				-		0,6	IW31	5319
125 CC – TDR 125	9-13		92 >	W27ESR-U	4045	0,7	IW27	5317
125 CC – TEO'S 125			01 >	U24ESR-N	4126	0,7	IU24	5362
125 CC – TT-R 125 / TT 125 R			00 >	U22FSR-U	4008	0,7	IUF22	5383
125 CC – TW 125 (TRAILWAY)			98 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – TY 125		(L=12.7MM THREAD)		W22FS-U	4025	0,7	IWF22	5379
125 CC – TY 125		(L=19.0MM THREAD)		W22ESR-U	3098	0,7	-	
125 CC – TY 125		1KG	77 > 81	W22ESR-U	3098	0,7	-	
125 CC – TZ 125		3V3	80 >	-		0,6	IW31	5319
125 CC – TZ 125 / F			94 >	-		0,6	IW01-32	5717
125 CC – TZ 125 H				-		0,6	IW31	5319
125 CC – TZR 125			93 >	W27EMR-C	4159	0,8	IWM27	5392
125 CC – TZR 125 (... / RED ROCKET)			> 92	W27ESR-U	4045	0,8	IW27	5317
125 CC – TZR 125 R		4DL1	> 94	W27ESR-U	4045	0,8	IW27	5317
125 CC – V 125 Z / ZR			07 > 07	W24ESR-U	4033	0,8	IW24	5316
125 CC – VITY	6.4		08 >	U22ESR-N	4174	0,6	IU22	5361
125 CC – VP 125			08 > 08	U27ESR-N	4131	0,9	IU27/IU27A	
125 CC – WR 125R / X			09 >	U24ESR-N	4126	0,7	IU24	5362
125 CC – XA 125			08 > 08	U22ESR-N	4174	0,6	IU22	5361
125 CC – XC 125		(L=19.0MM THREAD)	93 >	U22ESR-N	4174	0,7	IU22	5361
125 CC – XC 125 BELUGA		3TF3-4	93 > 94	U20FSR-U	4004	0,7	IUF22	5383
125 CC – XC 125 CYGNUS		4KY / 4LA (L=12.7MM THREAD)	> 95	U20FSR-U	4004	0,7	IUF22	5383
125 CC – XC 125 E			93 >	U20FSR-U	4004	0,7	IUF22	5383
125 CC – XC 125 F			94 >	U20FSR-U	4004	0,7	IUF22	5383
125 CC – XC 125 N / NC / U / X / W / ZW				U20FSR-U	4004	0,7	IUF22	5383
125 CC – XC 125 S / SC / T / ZS / ZSC				U20FSR-U	4004	0,7	IUF22	5383









	KW			Standard			Alternative	
								
YAMAHA continued								
125 CC – XC 125 T (BELUGA)		(L=19.0MM THREAD)	94 >	U22ESR-N	4174	0,7	IU22	5361
125 CC – XC 125 TR (CYGNUS / CYGNUS-X)		(L=19.0MM THREAD)	96 >	U22ESR-N	4174	0,7	IU22	5361
125 CC – X-CITY 125			07 >	U27ESR-N	4131	0,9	IU27/IU27A	
125 CC – X-MAX	10.4		06 >	U24ESR-N	4126	0,8	IU24	5362
125 CC – XN 125 TEO'S			00 >	U24ESR-N	4126	0,8	IU24	5362
125 CC – XQ 125 THUNDER / MAXSTER			01 >	U24ESR-N	4126	0,8	IU24	5362
125 CC – XT 125 J / K / KC / L				X24ESR-U	4101	0,7	IX24	5372
125 CC – XTZ 125 E / K / XE / XK			07 > 09	U22FSR-U	4008	0,8	IUF22	5383
125 CC – XV 125 VIRAGO		5AJ1	97 >	U20FSR-U	4004	0,7	IUF22	5383
125 CC – XVS 125 (DRAG STAR)		4-STROKE	00 >	U22FSR-U	4008	0,7	IUF22	5383
125 CC – YB 125				W22FS-U	4025	0,7	IWF22	5379
125 CC – YBR 125I / CUSTOM	7.5		07 >	U22FSR-U	4008	0,7	IUF22	5383
125 CC – YP 125 MAJESTY		(STANDARD)	98 >	X24ESR-U	4101	0,7	IX24	5372
125 CC – YP 125 MAJESTY		(CITY DRIVING = OPTION)	98 >	X22ESR-U	4091	0,7	IX22	5371
125 CC – YP 125 MAJESTY		(Ø 10MM THREAD)	98 >	U24ESR-N	4126	0,7	IU24	5362
125 CC – YP 125 R X-MAX			06 >	U27ESR-N	4131	0,9	IU27/IU27A	
125 CC – YS 125				-		0,6	IW27	5317
125 CC – YZ 125		.. / 4PE / 4SS	85 > 97	-		0,6	IW27	5317
125 CC – YZ 125		4XM1	97 >	-		0,6	IW27	5317
125 CC – YZ 125 E / E1 / F			93 >	-		0,6	IW27	5317
125 CC – YZF-R 125	11		08 >	U24ESR-N	4126	0,7	IU24	5362
132 CC – AT 135			08 >	U22ESR-N	4174	0,6	IU22	5361
135 CC – RX-K			> 89	W22FPR-U	4022	0,7	IWF22	5379
135 CC – RX-Z			87 > 11	W24EPR-U	4136	0,8	IW24	5316
135 CC – T 135 / JT 135			07 >	U24EPR9	4233	0,9	IU24/IU24A	
150 CC – FZ 150			94 >	U22FSR-U	4008	0,7	IUF22	5383
150 CC – FZR 150			94 >	U22FSR-U	4008	0,7	IUF22	5383
150 CC – MAJESTY 150	9.2		01 >	U24ESR-N	4126	0,7	IU24	5362
150 CC – MAXTER 150	9.6		01 >	U24ESR-N	4126	0,7	IU24	5362
150 CC – RX 150			93 >	W24EPR-U	4136	0,8	IW24	5316
150 CC – SR 150 / SRZ 150			93 >	X24ESR-U	4101	0,7	IX24	5372
150 CC – XN 150 TEO'S			01 >	U24ESR-N	4126	0,8	IU24	5362
150 CC – XQ 150 THUNDER / MAXSTER			01 >	U24ESR-N	4126	0,8	IU24	5362
165 CC – DT 165 R			91 >	W24ESR-U	4033	0,7	IW24	5316
175 CC – AG 175				W24ESR-U	4033	0,8	IW24	5316
175 CC – AG 175 H				W22ESR-U	3098	0,7	-	
175 CC – AG 175 J / K				W20ESR-U	3057	0,8	IW20	5306
175 CC – DT 175		CT1	74 > 75	W24ESR-U	4033	0,8	IW24	5316
175 CC – DT 175 E / F				W24ESR-U	4033	0,7	IW24	5316
175 CC – DT 175 H				W27ESR-U	4045	0,6	IW27	5317
175 CC – DT 175 J / N				W24ESR-U	4033	0,8	IW24	5316
175 CC – DT 175 MX	10-12	2K4	78 > 83	W24ESR-U	4033	0,8	IW24	5316
175 CC – IT 175 / H / J / K		.. / 5YD		-		0,7	IW27	5317
175 CC – IT 175 E				-		0,6	IW31	5319
175 CC – MX 175 B				-		0,6	IW24	5316
175 CC – MX 175 H				W24ESR-U	4033	0,7	IW24	5316
175 CC – TY 175 E / J				W22ESR-U	3098	0,7	-	
175 CC – YT 175 J / K / L				W22EPR-U	3088	0,8	IW22	5307
175 CC – YZ 175				-		0,6	IW31	5319
180 CC – DT 180				W24ESR-U	4033	0,8	IW24	5316
180 CC – RT 180 E			93 >	W24ESR-U	4033	0,8	IW24	5316
180 CC – XC 180			83 >	X24EPR-U9	4096	0,9	IX24B	5376
185 CC – SH 185 H			83 > 84	X22ESR-U	4091	0,7	IX22	5371
195 CC – RS 195				W22ESR-U	3098	0,7	-	
200 CC – AG 200 E / F			93 >	X24ESR-U	4101	0,7	IX24	5372
200 CC – BW 200 ET / EU / N / S				X24ESR-U	4101	0,7	IX24	5372
200 CC – DT 200 LC / RE / RF			93 >	W27ESR-U	4045	0,8	IW27	5317
200 CC – DT 200 N / T				W24ESR-U	4033	0,8	IW24	5316
200 CC – DT 200 R / RW				W27ESR-U	4045	0,8	IW27	5317
200 CC – IT 200 L / N				-		0,6	IW27	5317
200 CC – IT 200 S				-		0,6	IW27	5317
200 CC – NR 200				W22ESR-U	3098	0,8	-	
200 CC – RD 200 B		(L=12.7MM THREAD)		W24FS-U	4038	0,7	IWF24	5380
200 CC – RD 200 B (397)		(L=19.0MM THREAD)		W24ESR-U	4033	0,7	IW24	5316
200 CC – RD 200 C / C-DX / D / D-DX		1EB		W24ESR-U	4033	0,8	IW24	5316
200 CC – RS 200				W24ESR-U	4033	0,7	IW24	5316
200 CC – TW 200			87 >	X24ESR-U	4101	0,7	IX24	5372
200 CC – TW 200 E / EC / F			93 >	X24ESR-U	4101	0,7	IX24	5372

	KW			Standard			Alternative	
								
YAMAHA continued								
200 CC – TW 200 FC			94 >	X24ESR-U	4101	0,7	IX24	5372
200 CC – TW 200 U / W / WC				X24ESR-U	4101	0,7	IX24	5372
200 CC – WR 200 R / RE / RF			93 >	W27ESR-U	4045	0,8	IW27	5317
200 CC – XC 200 T / U / W / ZT / ZW				X22EPR-U9	4086	0,9	IX22B	5375
200 CC – XT 200 JK / KC				X24ESR-U	4101	0,7	IX24	5372
200 CC – YT 200 N				X24ESR-U	4101	0,7	IX24	5372
223 CC – SX-4 SCORPIO			08 > 09	X24EPR-U9	4096	0,9	IX24B	5376
223 CC – TT-R225 / TT-R230				X24ESR-U	4101	0,7	IX24	5372
225 CC – SEROW 225 (W)	27.2	<J>	97 >	X24ESR-U	4101	0,7	IX24	5372
225 CC – TT 225				X24ESR-U	4101	0,7	IX24	5372
225 CC – TT 225 T				X24ESR-U	4101	0,7	IX24	5372
225 CC – TW 225			02 >	X24ESR-U	4101	0,7	IX24	5372
225 CC – XT 225 E / EC / F / FC			93 >	X24ESR-U	4101	0,7	IX24	5372
240 CC – TDR 240				W27ESR-U	4045	0,8	IW27	5317
240 CC – XV 240 (VIRAGO)			94 >	U20FSR-U	4004	0,7	IUF22	5383
250 CC – CP 250 MAXAM			06 > 08	U22EPR9	4234	0,9	IU24A/IU24D	
250 CC – DT 250 E / H / MX				W24ESR-U	4033	0,8	IW24	5316
250 CC – FZR 250	29	<J>	97 >	U24ESR-N	4126	0,8	IU24	5362
250 CC – IT 250 E / K				-		0,6	IW24	5316
250 CC – IT 250 J				-		0,6	IW27	5317
250 CC – IT 250 N				-		0,6	IW27	5317
250 CC – MX 250				-		0,6	IW24	5316
250 CC – R1 - Z			93 >	W27ESR-U	4045	0,8	IW27	5317
250 CC – RD 250		(L=12.7MM THREAD)		W24FS-U	4038	0,7	IWF24	5380
250 CC – RD 250		(L=19.0MM THREAD)		W27ESR-U	4045	0,8	IW27	5317
250 CC – RD 250		<D> (L=19.0MM THREAD)		W24ESR-U	4033	0,8	IW24	5316
250 CC – RD 250 D / H / J				W24ESR-U	4033	0,8	IW24	5316
250 CC – RD 250 LC		4L1	80 > 83	W24ESR-U	4033	0,8	IW24	5316
250 CC – RH			> 83	W22EPR-U	3088	0,8	IW22	5307
250 CC – RZ 250 L				W24ESR-U	4033	0,8	IW24	5316
250 CC – RZ 250 N				W27ESR-U	4045	0,8	IW27	5317
250 CC – SE 250		<I>		W22EPR-U	3088	0,8	IW22	5307
250 CC – SR 250			84 >	W22EPR-U	3088	0,8	IW22	5307
250 CC – SR 250 H / J / F / SE / TH			> 84	W22EPR-U	3088	0,8	IW22	5307
250 CC – SRX 250 N / U / UC				X24ESR-U	4101	0,7	IX24	5372
250 CC – TDR 250		3CK	88 >	W27ESR-U	4045	0,7	IW27	5317
250 CC – TRICKER	14		06 >	X22ESR-U	4091	0,7	IX22	5371
250 CC – TT 250			90 >	X24ESR-U	4101	0,7	IX24	5372
250 CC – TT 250 H / J / K			> 89	W22EPR-U	3088	0,7	IW22	5307
250 CC – TT 250 R / RF			94 >	U27ESR-N	4131	0,7	IU27A	5366
250 CC – TT 250 S / T				X24ESR-U	4101	0,7	IX24	5372
250 CC – TT-R 250			99 >	U27ESR-N	4131	0,7	IU27A	5366
250 CC – TY 250 E			> 84	W22ESR-U	3098	0,8	-	
250 CC – TY 250 N			85 >	W24ESR-U	4033	0,8	IW24	5316
250 CC – TY 250 R				W22ESR-U	3098	0,7	-	
250 CC – TY 250 S				W24ESR-U	4033	0,7	IW24	5316
250 CC – TY 250 Z		4GG..	94 >	-		0,6	IW20	5306
250 CC – TZ 250			84 > 89	-		0,6	IW31	5319
250 CC – TZ 250			90 >	-		0,6	IWM01-32	5728
250 CC – TZ 250 E / E1			93 >	-		0,6	IWM01-32	5728
250 CC – TZ 250 E / H		YPVS	> 83	-		0,6	IW31	5319
250 CC – TZR 250		2MA	87 > 89	W27ESR-U	4045	0,7	IW27	5317
250 CC – TZR 250 R / RS / RSP			90 >	W27EMR-C	4159	0,8	IWM27	5392
250 CC – TZR 250 T				W27ESR-U	4045	0,7	IW27	5317
250 CC – WR 250 F			01 >	U24ESR-N	4126	0,7	IU24	5362
250 CC – WR 250 R/X	22.6		08 >	U27ETR	4155	0,8	IU27A	5366
250 CC – WR 250 Z			97 >	-		0,6	IW24	5316
250 CC – WR 250 Z / ZE / ZF			93 > 96	-		0,6	IW24	5316
250 CC – WR250X / FX			07 >	U27ESR-N	4131	0,7	IU27	5363
250 CC – X-CITY 250	15.6		07 >	X24EPR-U9	4096	0,9	IX24B	5376
250 CC – XG 250 TRICKER (DG10J)			04 >	X22ESR-U	4091	0,7	IX22	5371
250 CC – XS 250 C / H / RH / SE / SH				W22EPR-U	3088	0,8	IW22	5307
250 CC – XS 250 PK / SK / XS 250 R				X24ESR-U	4101	0,7	IX24	5372
250 CC – XT 250			87 > 89	X24ESR-U	4101	0,7	IX24	5372
250 CC – XT 250			90 >	W22EPR-U	3088	0,7	IW22	5307
250 CC – XT 250 H / J / K / KC			> 84	W22EPR-U	3088	0,8	IW22	5307
250 CC – XT 250 L / LC / TL / TT				X24ESR-U	4101	0,7	IX24	5372
250 CC – XT 250 T/X			07 >	X24ESR-U	4101	0,7	IX24	5372

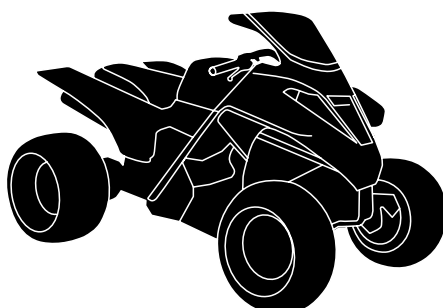
	KW			Standard			Alternative	
								
YAMAHA continued								
250 CC – XT 250 TN			85 > 86	X24ESR-U	4101	0,7	IX24	5372
250 CC – XTZ 250 X			08 > 09	X24ESR-U	4101	0,7	IX24	5372
250 CC – XV 250 .. (VIRAGO)			89 >	U20FSR-U	4004	0,7	IUF22	5383
250 CC – XVS 250 DRAG STAR			00 >	U20FSR-U	4004	0,7	IUF22	5383
250 CC – YBR 250 / P			07 >	X24ESR-U	4101	0,7	IX24	5372
250 CC – YP 250 / YP 250 DX MAJESTY			95 >	X24ESR-U	4101	0,7	IX24	5372
250 CC – YP 250 G GRAND MAJESTY			04 >	X24ESR-U	4101	0,7	IU22	5361
250 CC – YP 250 R X-MAX			06 >	X24EPR-U9	4096	0,9	IX24B	5376
250 CC – YP 250 R X-MAX			95 > 05	X24ESR-U	4101	0,7	IU22	5361
250 CC – YTZ 250 LC / N				W24ESR-U	4033	0,8	IW24	5316
250 CC – YZ 250 (LC)			89 > 94	W24ESR-V	4035	0,7	IW24	5316
250 CC – YZ 250 (LC)		4MX / 4SR / 4XL	95 >	W24ESR-V	4035	0,7	IW24	5316
250 CC – YZ 250 E / H / J / K / L				W27ESR-V	4049	0,6	IW27	5317
250 CC – YZ 250 F			01 > 08	U24ESR-N	4126	0,7	IU24	5362
250 CC – YZ 250 N / T			82 > 83	-		0,6	IW27	5317
250 CC – YZ 250 U / W				-		0,6	IW24	5316
250 CC – YZ 250 WR / WRW				-		0,6	IW24	5316
250 CC – ZEAL (3YX)	29	<J>	97 >	U24ESR-N	4126	0,7	IU24	5362
300 CC – RS 300				W24ESR-U	4033	0,7	IW24	5316
300 CC – VP 300 VERSITY			04 >	X24ESR-U	4101	0,8	IX24	5372
350 CC – BW 350				X24ESR-U	4101	0,7	IX24	5372
350 CC – RD 350 H		(L=19.0MM THREAD)	> 82	W24ESR-U	4033	0,8	IW24	5316
350 CC – RD 350 H		(L=12.7MM THREAD)	73 >	W24FS-U	4038	0,7	IWF24	5380
350 CC – RD 350 J / LC			80 > 84	W24ESR-U	4033	0,8	IW24	5316
350 CC – RD 350 LC / LCF			80 > 83	W24ESR-U	4033	0,8	IW24	5316
350 CC – RD 350 LC / LCF		YPVS	82 > 85	W24ESR-U	4033	0,8	IW24	5316
350 CC – RD 350 LC / LCF / RD 350 R			86 > 91	W27ESR-U	4045	0,8	IW27	5317
350 CC – RZ 350 K / L / N / N2 / NC / NC2				W24ESR-U	4033	0,8	IW24	5316
350 CC – RZ 350 S / T / W				W27ESR-U	4045	0,8	IW27	5317
350 CC – TT 350		1TJ	86 > 89	X24ESR-U	4101	0,7	IX24	5372
350 CC – TT 350 E / F			93 >	X24ESR-U	4101	0,7	IX24	5372
350 CC – TY 350				W20EPR-U	3047	0,8	IW20	5306
350 CC – TY 350 N				-		0,6	IW20	5306
350 CC – TZ 350 B / H				-		0,6	IW31	5319
350 CC – XT 350		55V	85 > 90	X24ESR-U	4101	0,7	IX24	5372
350 CC – XT 350		3YT	91 >	X24ESR-U	4101	0,7	IX24	5372
350 CC – XT 350 E / F			93 >	X24ESR-U	4101	0,7	IX24	5372
360 CC – BW 360 T				X24ESR-U	4101	0,7	IX24	5372
360 CC – DT 360		RT2	79 > 85	W27ESR-U	4045	0,8	IW27	5317
360 CC – MX 360				-		0,6	IW24	5316
360 CC – RD 360 YPVS			86 >	W27ESR-U	4045	0,7	IW27	5317
360 CC – XS 360		1V4	77 > 79	W20EPR-U	3047	0,8	IW20	5306
360 CC – YZ 360				-		0,6	IW24	5316
400 CC – DT 400 (513)			75 > 77	W24ESR-U	4033	0,8	IW24	5316
400 CC – DT 400 E				W27ESR-U	4045	0,6	IW27	5317
400 CC – DT 400 H / MX		1R6		W24ESR-U	4033	0,7	IW24	5316
400 CC – FZ 400 R				X24ESR-U	4101	0,7	IX24	5372
400 CC – FZR 400			87 >	U24ESR-N	4126	0,7	IU24	5362
400 CC – FZR 400 RR SP (EXUP)	39	<J>	89 >	U24ESR-N	4126	0,8	IU24	5362
400 CC – FZR 400 W / WC				U24ESR-N	4126	0,7	IU24	5362
400 CC – GX 400 SP			> 88	W20EPR-U	3047	0,7	IW20	5306
400 CC – IT 400				W24ESR-U	4033	0,8	IW24	5316
400 CC – IT 400 E				-		0,6	IW24	5316
400 CC – MX 400				-		0,6	IW24	5316
400 CC – RD 400 E			> 79	W24ESR-U	4033	0,7	IW24	5316
400 CC – SR 400				W22EPR-U	3088	0,8	IW22	5307
400 CC – SRX 400	24	<J>		X22EPR-U9	4086	0,9	IX22B	5375
400 CC – TT 400 C				-		0,6	IW24	5316
400 CC – WR 400 F	27-33		98 >	U24ESR-N	4126	0,8	IU24A	5365
400 CC – XJ 400				X24ESR-U	4101	0,7	IX24	5372
400 CC – XJ 400 S				X24ESR-U	4101	0,7	IX24	5372
400 CC – XJR 400		<J>	93 > 95	U24ESR-N	4126	0,7	IU24	5362
400 CC – XJR 400 / R / R II		<J>	95 >	U27ESR-N	4131	0,7	IU27	5363
400 CC – XS 400		YICS	82 > 89	X24ESR-U	4101	0,7	IX24	5372
400 CC – XS 400 / XS 400 SE			78 > 82	W22EPR-U	3088	0,8	IW22	5307
400 CC – XT 400			> 83	W22EPR-U	3088	0,8	IW22	5307
400 CC – XT 400			84 >	X22ESR-U	4091	0,7	IX22	5371
400 CC – XV 400 SE (VIRAGO)				W22ESR-U	3098	0,7	-	









	KW			Standard			Alternative	
								
YAMAHA continued								
400 CC – XVS 400 DRAG STAR (VH01)		V-2	00 >	X22EPR-U9	4086	0,8	IX22B	5375
400 CC – YP 400 T MAJESTY	25		04 >	U22ESR-N	4174	0,7	IU22	5361
400 CC – YZ 400 / YZ 400 F / YZ 400 FF	40		98 >	U24ESR-N	4126	0,8	IU24A	5365
400 CC – YZ 400 C / E				-		0,6	IW24	5316
425 CC – IT 425				W24ESR-U	4033	0,7	IW24	5316
426 CC – YZ 426			98 >	U24ESR-N	4126	0,8	IU24A	5365
450 CC – WR 450 / F			02 > 09	U24ESR-N	4126	0,8	IU24A	5365
450 CC – YZ 450 / YZ 450 F			02 > 03	U24ESR-N	4126	0,8	IU24A	5365
450 CC – YZ 450 / YZ 450 F / YZ 450 FS			04 >	U27ESR-N	4131	0,8	IU27A	5366
450 CC – YZ 450 F			08 >	U24ESR-N	4126	0,8	IU24	5362
465 CC – IT 465 H / J				W24ESR-U	4033	0,7	IW24	5316
465 CC – YZ 465 H				W24ESR-U	4033	0,7	IW24	5316
490 CC – IT 490				W24ESR-U	4033	0,7	IW24	5316
490 CC – IT 490		29W	83 > 85	W24ESR-U	4033	0,8	IW24	5316
490 CC – YZ 490			> 84	-		0,6	IW27	5317
490 CC – YZ 490			85 > 87	-		0,6	IW27	5317
490 CC – YZ 490			88 >	-		0,6	IW24	5316
490 CC – YZ 490 J				W24ESR-U	4033	0,8	IW24	5316
490 CC – YZ 490 K / L / N / S / T				-		0,6	IW27	5317
500 CC – FZ-R 500			90 >	U27ESR-N	4131	0,7	IU27	5363
500 CC – GX 500				X24ESR-U	4101	0,7	IX24	5372
500 CC – IT 500				W22EPR-U	3088	0,8	IW22	5307
500 CC – MX 500				-		0,6	IW24	5316
500 CC – RD 500 LC		YPVS	> 87	W27FSR	4054	0,7	IWF27	5381
500 CC – RZ 500 L / RN				W27FSR	4054	0,7	IWF27	5381
500 CC – RZ 500 N				W24FSR	4037	0,7	IWF24	5380
500 CC – RZ 500 S				W27FSR	4054	0,7	IWF27	5381
500 CC – RZV 500 R				W24FSR	4037	0,7	IWF24	5380
500 CC – SC 500				-		0,6	IW24	5316
500 CC – SR 500			86 >	W22EPR-U	3088	0,8	IW22	5307
500 CC – SR 500 E / H			78 > 86	W22EPR-U	3088	0,8	IW22	5307
500 CC – T MAX (XP 500)	29.4		01 >	U22ESR-N	4174	0,7	IU22	5361
500 CC – TT 500 C / E / H / J				W22EPR-U	3088	0,8	IW22	5307
500 CC – TX 500				X24ESR-U	4101	0,7	IX24	5372
500 CC – TZ 500 H				-		0,6	IW31	5319
500 CC – XJ 500				X24ESR-U	4101	0,7	IX24	5372
500 CC – XP 500 T-MAX			01 >	U22ESR-N	4174	0,7	IU22	5361
500 CC – XS 500 E			77 > 82	X24ESR-U	4101	0,7	IX24	5372
500 CC – XT 500		(Ø 14MM THREAD)		W22EPR-U	3088	0,8	IW22	5307
500 CC – XT 500		(Ø 12MM THREAD)		X24EPR-U9	4096	0,9	IX24B	5376
500 CC – XT 500 A			77 > 83	W22EPR-U	3088	0,7	IW22	5307
500 CC – XT 500 C / E / H				W22EPR-U	3088	0,8	IW22	5307
500 CC – XT 500 E			93 >	X24EPR-U9	4096	0,9	IX24B	5376
500 CC – XT 500 T / Z				X24EPR-U9	4096	0,9	IX24B	5376
500 CC – XV 500 ... (VIRAGO)			82 >	W22EPR-U	3088	0,8	IW22	5307
535 CC – XV 535 .. / S (VIRAGO)	25 - 44	2YL/3BR/4KU/YH	96 >	W20EPR-U	3047	0,8	IW20	5306
535 CC – XV 535 .. / S / SP / SE (VIRAGO)	25-44		88 > 95	W22EPR-U	3088	0,8	IW22	5307
535 CC – YV 535 FC			94 >	W22EPR-U	3088	0,8	IW22	5307
550 CC – XJ 550 H / J / K / L / RH / RJ	37		81 > 86	X24ESR-U	4101	0,7	IX24	5372
550 CC – XT 550 J / K			82 >	X22ESR-U	4091	0,7	IX22	5371
550 CC – XZ 550 RJ / RK	47	YICS	> 85	X24ESR-U	4101	0,7	IX24	5372
550 CC – XZ 550 S		11V YICS	83 > 85	X24ESR-U	4101	0,6	IX24	5372
600 CC – DIVERSION				U24ESR-N	4126	0,7	IU24	5362
600 CC – DT 600				X22ESR-U	4091	0,7	IX22	5371
600 CC – FJ 600 W			80 >	X24ESR-U	4101	0,7	IX24	5372
600 CC – FZ 6 / FZ 6 FAZER			03 >	U27ETR	4155	0,7	IU27A	5366
600 CC – FZ 600 .. / U				X24ESR-U	4101	0,7	IX24	5372
600 CC – FZ6-S / -N FAZER			04 >	U27ETR	4155	0,8	IU27A	5366
600 CC – FZR 600	67	3HE / 3RG / 3RH	89 > 93	U27ESR-N	4131	0,7	IU27	5363
600 CC – FZR 600 R / RF / RFC, FZR 600 W / WC	25-72		94 > 96	U27ESR-N	4131	0,7	IU27	5363
600 CC – FZS 600 FAZER	70		97 > 03	U27ESR-N	4131	0,7	IU27	5363
600 CC – R 46	93		05 >	U27ETR	4155	0,7	IU27A	5366
600 CC – SRX 600		1XM / 1XN	86 > 89	X22EPR-U9	4086	0,9	IX22B	5375
600 CC – TT 600		36A	83 > 85	X22ESR-U	4091	0,7	IX22	5371
600 CC – TT 600			85 > 86	X22EPR-U9	4086	0,9	IX22B	5375
600 CC – TT 600			86 > 92	X22EPR-U9	4086	0,9	IX22B	5375
600 CC – TT 600 .. / TT 600 E / TT 600 S	30		93 >	X24EPR-U9	4096	0,9	IX24B	5376
600 CC – TX 600 E (4SK / 4PT)	25 - 29		95 >	X24EPR-U9	4096	0,8	IX24B	5376









	KW			Standard			Alternative	
								
YAMAHA continued								
600 CC – XJ 6			09 >	U27ESR-N	4131	0,7	IU27	5363
600 CC – XJ 600		51J / 3KM / 3KN	84 > 90	X24ESR-U	4101	0,7	IX24	5372
600 CC – XJ 600 N / S (DIVERSION)			91 > 96	U24ESR-N	4126	0,7	IU24	5362
600 CC – XJ 600 N / S (DIVERSION)			97 >	U24ESR-N	4126	0,7	IU24	5362
600 CC – XT 600 E			97 >	X24EPR-U9	4096	0,9	IX24B	5376
600 CC – XT 600 E / EF / EFC			94 > 97	X24EPR-U9	4096	0,9	IX24B	5376
600 CC – XT 600 E / K			90 > 94	X24EPR-U9	4096	0,9	IX24B	5376
600 CC – XT 600 L				X22ESR-U	4091	0,7	IX22	5371
600 CC – XT 600 S			86 >	X24EPR-U9	4096	0,9	IX24B	5376
600 CC – XT 600 Z / XT600 TENERE			86 > 90	X24EPR-U9	4096	0,9	IX24B	5376
600 CC – XT 600 Z / ZK / TENERE			83 > 85	X22ESR-U	4091	0,7	IX22	5371
600 CC – XT 600 ZE / Z TENERE		1VJ / 3AJ	86 >	X22EPR-U9	4086	0,9	IX22B	5375
600 CC – XV 600 SC / SZ (VIRAGO)				X24EPR-U9	4096	0,9	IX24B	5376
600 CC – YX 600 S / TC / U / UC / W / WC (RADIAN)			86 >	X24ESR-U	4101	0,7	IX24	5372
600 CC – YZF - R6	72 - 100		99 >	U31ETR	4135	0,7	IU31A	5367
600 CC – YZF 600 R THUNDERCAT		4TV..	96 > 07	U27ESR-N	4131	0,8	IU27	5363
650 CC – TS 650				W24ESR-U	4033	0,8	IW24	5316
650 CC – XJ 650			82 >	W22EPR-U	3088	0,8	IW22	5307
650 CC – XJ 650 T (TURBO)	67		82 > 86	W24EPR-U	4136	0,7	IW24	5316
650 CC – XJ 650 T (TURBO)	67	(BETTER STARTING = OPTION)	82 > 86	-		0,7	IW24	5316
650 CC – XS 1 / -2				W24ESR-U	4033	0,7	IW24	5316
650 CC – XS 650 ...			76 > 84	W22EPR-U	3088	0,7	IW22	5307
650 CC – XT 650				W22EPR-U	3088	0,8	IW22	5307
650 CC – XVS 650 DRAG STAR / CLASSIC			96 >	X22EPR-U9	4086	0,8	IX22B	5375
660 CC – MT-03	34		06 >	U22ESR-N	4174	0,8	IU22	5361
660 CC – SZR 660		4SU	96 >	X27EPR-U9	4111	0,9	IX27B	5377
660 CC – SZR 660		4SU	97 >	X24EPR-U9	4096	0,9	IX24B	5376
660 CC – XT 660 R / X			04 >	U22ESR-N	4174	0,8	IU22	5361
660 CC – XT 660 Z TENERE			08 >	U22ESR-N	4174	0,6	IU22	5361
660 CC – XTZ 660 / XTZ 660 TENERE		.. / 3YF	91 > 99	X24EPR-U9	4096	0,9	IX24B	5376
700 CC – FZX 700 SC / T / TC (FAZER)				X24EPR-U9	4096	0,9	IX24B	5376
700 CC – XJ 700 S / SC		AIR COOLED		W24EPR-U	4136	0,8	IW24	5316
700 CC – XJ 700 XS / XSC (MAXIM)			85 >	X24ESR-U	4101	0,7	IX24	5372
700 CC – XV 700 ... (VIRAGO)			85 >	W22EPR-U	3088	0,8	IW22	5307
750 CC – 750 LAGUNA SECA		11M	82 >	W22EPR-U	3088	0,7	IW22	5307
750 CC – FZ 750 (GENESIS)			85 > 95	X24ESR-U	4101	0,7	IX24	5372
750 CC – FZR 750 (GENESIS)		2FE	87 > 89	X24ESR-U	4101	0,7	IX24	5372
750 CC – FZR 750 R		3PJ / 3CV	89 > 92	X27ESR-U	4116	0,7	IX27	5373
750 CC – FZX 750 (T)				X24ESR-U	4101	0,7	IX24	5372
750 CC – FZX 750 FAZER			95 >	X24ESR-U	4101	0,7	IX24	5372
750 CC – GX 750 SP				W20EPR-U	3047	0,7	IW20	5306
750 CC – TZ 750				-		0,5	IW31	5319
750 CC – TZ 750 D				-		0,6	IW31	5319
750 CC – XJ 750 J / MK / RJ / RK / P				W22EPR-U	3088	0,8	IW22	5307
750 CC – XJ 750 K				W22EPR-U	3088	0,8	IW22	5307
750 CC – XJ 750 RH			> 83	W22ESR-U	3098	0,8	-	
750 CC – XJ 750 RL			84 >	W24EPR-U	4136	0,7	IW24	5316
750 CC – XJ 750 SECA			84 >	W22EPR-U	3088	0,8	IW22	5307
750 CC – XS 750 C / D / E / S / SE / T	47-54		77 > 82	W22ESR-U	3098	0,7	-	
750 CC – XTZ 750 (S) SUPER TENERE		3LD	94 >	X24EPR-U9	4096	0,9	IX24B	5376
750 CC – XTZ 750 S TENERE		3LD / 3WM	89 > 93	X24EPR-U9	4096	0,9	IX24B	5376
750 CC – XV 750 (VIRAGO)			> 83	W22ESR-U	3098	0,7	-	
750 CC – XV 750 ... (VIRAGO)			84 >	W22EPR-U	3088	0,7	IW22	5307
750 CC – YZF - R7 (OW02)		(STREET USE)	99 >	-		0,7	IU01-31	5736
750 CC – YZF - R7 (OW02)		(RACING USE)	99 >	-		0,7	RU01-31	5739
750 CC – YZF 750 R / RF / RFC		4HN / 4FM	93 >	U27ESR-N	4131	0,9	IU27	5363
750 CC – YZF 750 SP /SPF		4HT / 4HS	93 >	U27ESR-N	4131	0,8	IU27	5363
800 CC – FZ8 / -N /-S			10 >	U27ESR-N	4131	0,7	IU27	5363
850 CC – TDM 850		3VD	91 > 95	X24EPR-U9	4096	0,9	IX24B	5376
850 CC – TDM 850		4TX	96 >	X24EPR-U9	4096	0,9	IX24B	5376
850 CC – TRX 850			95 >	X24EPR-U9	4096	0,9	IX24B	5376
850 CC – TRX 850			96 >	X27EPR-U9	4111	0,9	IX27B	5377
850 CC – TRX 850		4UN, 4VN	97 > 00	X24EPR-U9	4096	0,9	IX24B	5376
850 CC – XS 850 H / LH / SH	58		80 > 82	W22EPR-U	3088	0,8	IW22	5307
900 CC – TDM 900			01 >	X24EPR-U9	4096	0,9	IX24B	5376
900 CC – XJ 900 .. / F / K / RL / P / FN / N	71	(Ø 14MM THREAD)	83 > 95	W24EPR-U	4136	0,8	IW24	5316
900 CC – XJ 900 .. / S DIVERSION	66	4KM1-5	95 >	X24EPR-U9	4096	0,9	IX24B	5376
920 CC – XV 920 J / RH / RJ (VIRAGO)			81 > 88	W24EPR-U	4136	0,8	IW24	5316









	KW			Standard			Alternative	
								
YAMAHA continued								
950 CC – XVS 950			09 >	U22EPR9	4234	0,9	-	
1000 CC – FZ1			01 > 05	U27ESR-N	4131		IU27	5363
1000 CC – FZ1 / FAZER	110		06 >	U27ETR	4155	0,7	IU27A	5366
1000 CC – FZR 1000 .. / F / EXUP / GENESIS			87 > 96	X24ESR-U	4101	0,7	IX24	5372
1000 CC – FZS 1000 FAZER			01 >	U27ESR-N	4131	0,7	IU27	5363
1000 CC – GTS 1000 .. / A / AF / AFC	72-74		92 >	X24EPR-U9	4096	0,9	IX24B	5376
1000 CC – TR 1	51		81 > 85	W22EPR-U	3088	0,8	IW22	5307
1000 CC – XV 1000 .. (VIRAGO)			81 > 87	W22EPR-U	3088	0,8	IW22	5307
1000 CC – YZF - R1			01 > 03	-		0,9	IU27D	5390
1000 CC – YZF - R1	72 - 112		98 > 01	U27ESR-N	4131	0,7	IU27	5363
1000 CC – YZF - R1 / SP			04 > 06	U27ETR	4155	0,7	IU27A	5366
1000 CC – YZF 1000 R THUNDER ACE			96 > 98	X24ESR-U	4101	0,7	IX24	5372
1000 CC – YZF-R1			04 > 08	U27ETR	4155		IU27A	5366
1100 CC – BT 1100 BULL DOG	47.8		02 >	W22EPR-U	3088	0,9	IW22	5307
1100 CC – FJ 1100			> 84	X24ESR-U	4101	0,7	IX24	5372
1100 CC – FJ 1100		47E	84 > 85	X24EPR-U9	4096	0,9	IX24B	5376
1100 CC – XJ 1100 K / L				W20EPR-U	3047	0,8	IW20	5306
1100 CC – XS 1100 E / H / LH / RH / S / SH			79 >	W20EPR-U	3047	0,8	IW20	5306
1100 CC – XT 1100 J				W20EPR-U	3047	0,8	IW20	5306
1100 CC – XV 1100 (SC) (VIRAGO)		.. / 3LP	84 > 96	W22EPR-U	3088	0,8	IW22	5307
1100 CC – XV 1100 (VIRAGO)		3LPE	97 >	W22EPR-U	3088	0,8	IW22	5307
1100 CC – XV 1100 DRAG STAR / CLASSIC	46		98 >	W22EPR-U	3088	0,8	IW22	5307
1200 CC – FJ 1200		1XJ / 3CW / 3CX	86 > 90	X24EPR-U9	4096	0,9	IX24B	5376
1200 CC – FJ 1200		3YA / 3YY	91 >	X24EPR-U9	4096	0,9	IX24B	5376
1200 CC – V-MAX	72-107	3LR	86 >	X24EPR-U9	4096	0,9	IX24B	5376
1200 CC – VMX 12 4C4...			07 > 07	X24EPR-U9	4096	0,9	IX24B	5376
1200 CC – VMX 1200 F/FC / VMX 12 S/T/U / MAX 1200 (ZEN)				X24EPR-U9	4096	0,9	IX24B	5376
1200 CC – XJR 1200			93 >	X24EPR-U9	4096	0,9	IX24B	5376
1200 CC – XT 1200 Z SUPER TÉNÉRÉ			10 >	-			IU24A	5365
1200 CC – XVZ 12 T		47G	84 > 87	X24EPR-U9	4096	0,9	IX24B	5376
1200 CC – XVZ 1200 (TD)			84 >	X24EPR-U9	4096	0,9	IX24B	5376
1300 CC – FJR 1300 / AS	106		01 > 09	U24ESR-N	4126	0,7	IU24	5362
1300 CC – XJR 1300 / XJR 1300 SP			99 >	X24EPR-U9	4096	0,9	IX24B	5376
1300 CC – XVZ 13			89 > 96	X24EPR-U9	4096	0,9	IX24B	5376
1300 CC – XVZ 1300 A ROYAL STAR	55		96 >	X22EPR-U9	4086	0,9	IX22B	5375
1600 CC – XV 1600 WILD STAR	46		99 >	X22EPR-U9	4086	0,9	IX22B	5375
1670 CC – MT-01	66	TWIN SPARK	05 >	X22EPR-U9	4086	0,9	IX22B	5375
1670 CC – XV 1700 ROADSTAR WARRIOR	46	TWIN SPARK	02 >	X22EPR-U9	4086	0,9	IX22B	5375
1700 CC – VMAX RP21			09 >	-		0,9	IU27D	5390
1700 CC – VMX 17 2S3700			09 >	-		0,9	IU27D	5390
1850 CC – XV 1900 MIDNIGHT STAR	74		06 >	X24EPR-U9	4096	0,9	IX24B	5376
ZÜNDAPP								
50 CC – C 50 SPORT / -SUPER				W20FSR-U	6053	0,5	IWF22	5379
50 CC – CS 25 / CX 25 / HAI 25 / ZA 25 / ZL 25 / ZS 25				W16EPR-U	3021	0,5	IW16	5305
50 CC – CS 50 / GTS 50			79 > 85	W16EPR-U	3021	0,5	IW16	5305
50 CC – KS 50		(L=12.7MM THREAD)		W22FS-U	4025	0,5	IWF22	5379
50 CC – KS 50		(L=19.0MM THREAD)		W22ESR-U	3098	0,5	-	
50 CC – KS 50 SPORT / SUPER SPORT / CROSS				W24FS-U	4038	0,5	IWF24	5380
50 CC – KS 50 TT / WK			77 > 80	W22ESR-U	3098	0,5	-	
50 CC – MOFA 25				W16FS-U	3034	0,5	IWF16	5359
50 CC – MOPED-AUTOMATIC				W20FSR-U	6053	0,5	IWF22	5379
75 CC – KS 75				W24FS-U	4038	0,5	IWF24	5380
80 CC – K 80 / KS 80 / - SUPER / - TOURING			80 > 85	W24ESR-U	4033	0,5	IW24	5316
80 CC – SX 80			82 > 85	W24ESR-U	4033	0,5	IW24	5316
100 CC – KS 100 SDT / SCRAMBLER				W24FS-U	4038	0,5	IWF24	5380
125 CC – 125 MOTORCROSS				W24FS-U	4038	0,5	IWF24	5380
125 CC – KS 125 /-GS /-MC /-KC /-SPORT /-ISDT				W24FS-U	4038	0,5	IWF24	5380
125 CC – KS 125 WK EXPORT			78 > 84	W24ESR-U	4033	0,7	IW24	5316
175 CC – KS 175		LIQUID COOLED	77 > 83	W24ESR-U	4033	0,5	IW24	5316
350 CC – KS 350				W24ESR-U	4033	0,5	IW24	5316









DENSO ATV and Quad

















		KW			Standard			Alternative		
										
ADLY										
50	cc	ATV-50				W22FP-U	4021	0,6	IWF22	5379
50	cc	RS 50				W22FP-U	4021	0,6	IWF22	5379
150	cc	ATV 150 SPORT	7.0			U24ESR-N	4126	0,6	IU24	5362
150	cc	ATV 150 UTILITY	7.0			U24ESR-N	4126	0,6	IU24	5362
150	cc	CROSSXOVER 150	7.0			U24ESR-N	4126	0,6	IU24	5362
150	cc	CROSSXROAD 150	7.0			U24ESR-N	4126	0,6	IU24	5362
300	cc	ATV 300 SPORT	14.0			X24ESR-U	4101	0,6	IX24	5372
300	cc	ATV 300 UTILITY	14.0			X24ESR-U	4101	0,6	IX24	5372
300	cc	CROSSXOVER 300	14.0			X24ESR-U	4101	0,6	IX24	5372
300	cc	CROSSXROAD 300	14.0			X24ESR-U	4101	0,6	IX24	5372
AEON										
50	cc	COBRA 50		AT-21 / AT21-F1	03 >	W22FPR-U	4022	0,8	IWF22	5379
50	cc	MINI KOLT 50			03 >	W22FPR-U	4022	0,8	IWF22	5379
50	cc	REVO R 50			04 >	W22FPR-U	4022	0,8	IWF22	5379
90	cc	COBRA 90		AT-22	03 >	W22FPR-U	4022	0,8	IWF22	5379
100	cc	COBRA 110		AT-23 / AT23-F1	03 >	W22FPR-U	4022	0,8	IWF22	5379
100	cc	REVO R 100			04 >	W22FPR-U	4022	0,8	IWF22	5379
125	cc	COBRA 125		AT39-F1		U22FSR-U	4008	0,8	IUF22	5383
125	cc	COBRA 125 RS		AT52-F1		U22FSR-U	4008	0,8	IUF22	5383
125	cc	OVERLAND 125			04 >	U22FSR-U	4008	0,8	IUF22	5383
150	cc	COBRA 150		AT-37		U22FSR-U	4008	0,8	IUF22	5383
150	cc	LG - 150		AT-36		U22FSR-U	4008	0,8	IUF22	5383
180	cc	COBRA 180		AT50-F1		U22FSR-U	4008	0,8	IUF22	5383
180	cc	COBRA 180 RS		AT53-F1		U22FSR-U	4008	0,8	IUF22	5383
180	cc	LG - 100 X		AT-57		W22FPR-U	4022	0,8	IWF22	5379
180	cc	OVERLAND 180			04 >	U22FSR-U	4008	0,8	IUF22	5383
220	cc	COBRA 220	9		05 >	U22FSR-U	4008	0,6	IUF22	5383
ARCTIC CAT										
246	cc	250 (2x4, 4x4)			99 >	X22ESR-U	4091	0,7	IX22	5371
300	cc	300 4 x 4			99 >	X22ESR-U	4091	0,7	IX22	5371
400	cc	400 (2x4, 4x4)			99 >	U20ESR-N	-	0,7		
400	cc	400 i A 4x4			03 >	U22ESR-N	4174	0,7	IU22	5361
400	cc	400 DVX SPORT QUAD			04	U22ESR-N	4174	0,7	IU22	5361
454	cc	Bearcat (2x4, 4x4)			96 > 97	U24ETR	4158	0,7	IU24A	5365
454	cc	Bearcat (2x4, 4x4)			99 >	U20ESR-N	-	0,7		
500	cc	500 (2x4, 4x4)			99 >	U20ESR-N	-	0,7		
500	cc	500 i A TBX 4x4			04 >	U20ESR-N	4221	0,7		
500	cc	500 i A TRV 4x4			04 >	U20ESR-N	4221	0,7		
650	cc	650 4x4 V-TWIN POWER			03 >	U22ESR-N	4174	0,7	IU22	5361
ATK										
450	cc	450 MX			05 >	U27ETR	4155	0,8	IU27A	5365
450	cc	450 VR			05 >	U27ETR	4155	0,8	IU27A	5365
BOMBARDIER										
50	cc	DS 50		2-Stroke	02 >	W22FPR-U	4022	0,7	IWF22	5379
50	cc	QUEST 50		2-Stroke	03 >	W22FPR-U	4022	0,7	IWF22	5379
90	cc	DS 90		2-Stroke	02 >	W22FPR-U	4022	0,7	IWF22	5379
90	cc	DS 90		4-Stroke	02 >	U22FSR-U	4008	0,7	IUF22	5383
90	cc	QUEST 90			02 >	U22FSR-U	4008	0,7	IUF22	5383
200	cc	RALLY 200			03 >	U24ESR-N	4126	0,7	IU24	5361
250	cc	DS 250			06 >	U24ESR-N	4126	0,8	IU24	5361
330	cc	OUTLANDER 330			04 >	XU24EPR-U	3312	0,7	IXU24	5309
400	cc	OUTLANDER 400			03 >	XU24EPR-U	3312	0,7	IXU24	5309
450	cc	DS 450 / X			08 >	XU27EPR-U	3313	0,7	IXU27	5337
500	cc	QUEST 500			02 >	XU24EPR-U	3312	0,7	IXU24	5309
500	cc	RENEGADE 500			08 >	XU24EPR-U	3312	0,7	IXU24	5309
500	cc	TRAXTER 500			03 >	X24ESR-U	4101	0,7	IX24	5372
650	cc	DS 650 TRAXTER			00 > 02	X24ESR-U	4101	0,7	IX24	5372
650	cc	DS 650			03 >	W27ESR-U	4045	0,5	IW27	5317
650	cc	OUTLANDER 650			06 >	XU24EPR-U	3312	0,7	IXU24	5309
650	cc	QUEST 650			02 >	XU24EPR-U	3312	0,7	IXU24	5309
800	cc	OUTLANDER 800			06 >	XU24EPR-U	3312	0,7	IXU24	5309
800	cc	RENEGADE 800 / X			07 >	XU24EPR-U	3312	0,7	IXU24	5309
CANNONDALE										
397	cc	FX 400			02 >	U24ETR	4158	0,7	IU24A	5365
CPI										
250	cc	XS 250	12.3		06 >	W24FR-L	4154	0,8	IWF24	5380
DAELIM										
250	cc	ET 250				U24ESR-N	4126	0,6	IU24	5362

		KW			Standard			Alternative	
									
DERBI									
50	cc DFW 50	2.8			W22FP-U	4021	0,6	IWF22	5379
165	cc DXR 200	9.1			X24ESR-U	4101	0,7	IX24	5372
240	cc DXR 250	13.7			U24FSR-U	4010	0,7	IUF24	5384
GAS GAS									
237	cc GNO QUAD			99 >	W20EPR-U	3047	0,7	IW20	5306
300	cc WILD HP 300 RV			02 >	W24ESR-V	4035	0,7	IW24	5316
450	cc WILD HP 450			02 >	U24ESR-N	4126	0,7	IU24	5361
HONDA									
50	cc RS XXL SUPERSONIC 50			05 >	W22FPR-U	4022	0,8	IWF22	5379
70	cc ATC 70			73 > 81	U22FS-U	4006	0,7	IUF22	5383
70	cc ATC 70			81 >	U22FSR-U	4008	0,7	IUF22	5383
70	cc TRX 70			86 >	U22FSR-U	4008	0,7	IUF22	5383
90	cc ATC-90			73 > 81	U22FS-U	4006	0,7	IUF22	5383
90	cc TRX 90 (FOURTRAX)			93 > 94	U20FSR-U	4004	0,7	IUF22	5383
90	cc TRX 90 (FOURTRAX)			95 >	U22FSR-U	4008	0,7	IUF22	5383
110	cc ATC-110			82 >	U24FSR-U	4010	0,7	IUF24	5384
125	cc ATC 125		(L=19.0mm thread)	82 >	X24ESR-U	4101	0,7	IX24	5372
125	cc ATC 125M		(L=12.7mm thread)	85	X24FS-U	4103	0,7		
125	cc TRX 125			85 >	X24ESR-U	4101	0,7	IX24	5372
185	cc ATC 185 S-D				X24ESR-U	4101	0,7	IX24	5372
200	cc ATC 200			> 81	W24ESR-U	4033	0,7	IW24	5316
200	cc ATC 200 S / X			85 >	X24ESR-U	4101	0,7	IX24	5372
200	cc ATC 200 (E) (BIG RED)			82 >	X24ESR-U	4101	0,7	IX24	5372
200	cc ATC 200 M / S / X (BIG RED)			85	X24FS-U	4103	0,7		
200	cc TRX 200 SX (FOURTRAX)			86 > 90	X24ESR-U	4101	0,7	IX24	5372
200	cc TRX 200 (D) (FOURTRAX II)			90 >	X24ESR-U	4101	0,7	IX24	5372
250	cc ATC 250 R -D			82 > 83	W24ESR-U	4033	0,7	IW24	5316
250	cc ATC 250 R -F/G			83 > 86	W27ESR-U	4045	0,7	IW27	5317
250	cc ATC 250 ES / SX			86 >	X24ESR-U	4101	0,7	IX24	5372
250	cc ATC 250 ES / SX			> 86	X24FS-U	4103	0,7		
250	cc ATC 250 R			86 >	X27ESR-U	4116	0,8	IX27	5373
250	cc FL 250			> 81	W22ES-U	3093	0,8		
250	cc FL 250			81 > 82	W24ES-U	4030	0,8	IW24	5316
250	cc FL 250			82 >	W27ES-U	4046	0,8	IW27	5317
250	cc TRX 250				X24ESR-U	4101	0,7	IX24	5372
250	cc TRX 250 (FOURTRAX RECON)			97 >	X24EPR-U9	4096	0,9	IX24B	5376
250	cc TRX 250 EX (SPORTRAX)			01 >	X24EPR-U9	4096	0,9	IX24B	5376
250	cc TRX 250 R				W27ESR-U	4045	0,7	IW27	5317
250	cc TRX 250 TE (RECON ES)			02 >	X24EPR-U9	4096	0,9	IX24B	5376
250	cc TRX 250 TM (RECON)			02 >	X24EPR-U9	4096	0,9	IX24B	5376
250	cc TRX 250 X (FOURTRAX)			87 >	X24ESR-U	4101	0,8	IX24	5372
250	cc TRX 250 V		(Below 5°C = option)	98 >	X22EPR-U9	4086	0,9	IX22B	5375
250	cc TRX 250 V		(Standard)	98 >	X24EPR-U9	4096	0,9	IX24B	5376
250	cc TRX 250 V		(Fast driving = option)	98 >	X27EPR-U9	4111	0,9	IX27B	5377
300	cc TRX 300			92 >	X24EPR-U9	4096	0,8	IX24B	5376
300	cc TRX 300 EX (SPORTRAX)			93 >	X24ESR-U	4101	0,7	IX24	5372
300	cc TRX 300 FW			93 >	X24EPR-U9	4096	0,9	IX24B	5376
300	cc TRX 300 N			92 >	X24EPR-U9	4096	0,9	IX24B	5376
350	cc ATC 350 (X)				X24ESR-U	4101	0,7	IX24	5372
350	cc FL 350 (R) (ODYSSEY)			84 >	X27ESR-U	4116	0,8	IX27	5373
350	cc TRX 350			86 >	X24ESR-U	4101	0,7	IX24	5372
350	cc TRX 350 FE (RANCHER ES 4x4)			00 >	X22EPR-U9	4086	0,9	IX22B	5375
350	cc TRX 350 FM (RANCHER S (4x4)			00 >	X22EPR-U9	4086	0,9	IX22B	5375
350	cc TRX 350 TE (RANCHER ES)			00 >	X22EPR-U9	4086	0,9	IX22B	5375
350	cc TRX 350 TM (RANCHER S)			00 >	X22EPR-U9	4086	0,9	IX22B	5375
400	cc FL 400 (R) (PILOT)			89 >	W22ESR-U	3098	0,8		
400	cc TRX 400 EX (SPORTRAX)			99 >	X24GPR-U	4106	0,7	IXG24	5394
400	cc TRX 400 FW (FOREMAN)			95 >	X22EPR-U9	4086	0,8	IX22B	5375
450	cc TRX 450 ES 4x4			98 >	X22EPR-U9	4086	0,9	IX22B	5375
450	cc TRX 450 FE (FOREMAN ES)			98 >	X22EPR-U9	4086	0,9	IX22B	5375
450	cc TRX 450 FM (FOREMAN S)			98 >	X22EPR-U9	4086	0,9	IX22B	5375
450	cc TRX 450 R			04 >	VK24PR-Z11	5616	1,1	IK24	5311
450	cc TRX 450 S 4x4			98 >	X22EPR-U9	4086	0,9	IX22B	5375
475	cc TRX 500 FPE (Fourtrax Foreman ES)			07 >	K16PR-U11	3130	1,1	IK16	5303
500	cc TRX 500 FA (FOREMAN RUBICON)	20.0		01 >			0,9	VXU22	5608
500	cc TRX 500 FGA (FOREMAN RUBICON)			04 >			0,9	VXU22	5608
650	cc TRX 650 FA (RINCON)			03 >	VK16	5603	1,1	IK16	5303
650	cc TRX 650 FGA (RINCON)			04 >	VK16	5603	1,1	IK16	5303

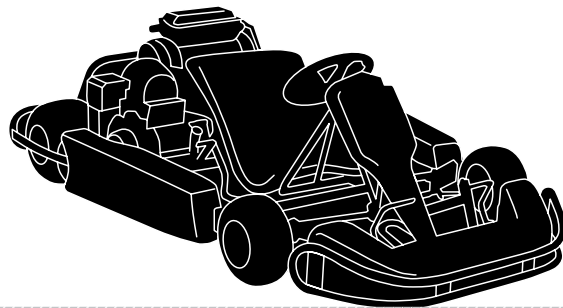
		KW			Standard			Alternative	
									
KAWASAKI									
50	cc KFX 50			03 >	W14FPR-UL	4016	0,7		
110	cc KLF 110				U20FS-U	4002	0,6	IUF22	5383
110	cc KLT 110			85	X22ES-U	4090	0,7	IX22	5371
160	cc KLT 160			85	W24ESR-U	4033	0,8	IW24	5316
185	cc KLF 185			86 >	X27ESR-U	4116	0,7	IX27	5373
200	cc KLT 200			81 > 85	W22ES-U	3093	0,8		
220	cc KLF 220 /.-AZ (BAYOU)		(Standard)	88 >	X27ESR-U	4116	0,7	IX27	5373
220	cc KLF 220 /.-AZ (BAYOU)		(Light load = option)	88 >	X24ESR-U	4101	0,7	IX24	5372
250	cc KLF 250	12.5		03 >	X24EPR-U9	4096	0,9	IX24B	5376
250	cc KSF 250 (MOJAVE)			87 >	X24EPR-U9	4096	0,8	IX24B	5376
250	cc KSF 250 -A8/-A9 (MOJAVE)	18.4		95 >	X24EPR-U9	4096	0,8	IX24B	5376
250	cc KXT 250 (TECATE)			85	W24ESR-U	4033	0,8	IW24	5316
250	cc KXT 250 (TECATE)			86	W27ESR-U	4045	0,8	IW27	5317
300	cc KAF 300 (MULE 500)			91 >	W16EP-U	3018	0,8	IW16	5305
300	cc KAF 300 (MULE 550)			92 >	W16EPR-U	3021	0,5	IW16	5305
300	cc KEF 300 -A1 /-B1 (LAKOTA)	15.8		95 >	X24ESR-U	4101	0,8	IX24	5372
300	cc KLF 300 (BAYOU)			86 > 90	W24ESR-U	4033	0,8	IW24	5316
300	cc KLF 300 (BAYOU)			91 >	X24ESR-U	4101	0,7	IX24	5372
300	cc LAKOTA (ATV)			95 >	X24ESR-U	4101	0,8	IX24	5372
360	cc KVF 360	15.7	2x4	05 >	X24EPR-U9	4096	0,9	IX24B	5376
400	cc KFX 400			03 >	U22ESR-N	4174	0,9	IU22	5361
400	cc KLF 400 -B2/-B3 (BAYOU)			94 >	X24EPR-U9	4096	0,8	IX24B	5376
400	cc KVF 400 -A1			94 >	X24EPR-U9	4096	0,8	IX24B	5376
450	cc KAF 450			91	X22ES-U	4090	0,7	IX22	5371
450	cc KAF 450 / KAF 450-B1			93 >	X20ESR-U	4157	0,7		
540	cc KAF 540			91 >	W16EP-U	3018	0,8	IW16	5305
620	cc MULE 2500 (KAF 620 -A)		(Standard)		W14MR-U	6019	0,7		
620	cc MULE 2500 (KAF 620 -A)		(Light load = option)		W9LMR-US	6071	0,7		
620	cc MULE 2510 (KAF 620 -C)				W14MR-U	6019	0,7		
620	cc MULE 2520 TURF (KAF 620 -B)				W14MR-U	6019	0,7		
650	cc KVF 650	30.9		03 >	U22ESR-N	4174	0,9	IU22	5361
700	cc KFX 700	36.3		04 >	U22ESR-N	4174	0,9	IU22	5361
750	cc KFX 750 BRUTE FORCE			05 >	U22ESR-N	4174	0,9	IU22	5361
750	cc KVF 750	37.1		08 >	U22ESR-N	4174	0,7	IU22	5361
1500	cc ULTRA 250X	184.0		07 >			0,7	IU27	5363
KYMCO									
50	cc KXR 50				W24FR-L	4154	0,6	IWF24	5380
50	cc MAXXER 50	2.7			W24FR-L	4154	0,6	IWF24	5380
50	cc MONGOOSE 50	2.7			W24FR-L	4154	0,6	IWF24	5380
50	cc MX 50			01 >	W24FR-L	4154	0,5	IWF24	5380
50	cc MXER 50	3.1			W24FR-L	4154	0,6	IWF24	5380
50	cc MXU 50	3.1			W24FR-L	4154	0,6	IWF24	5380
90	cc KXR 90	4.5			U22FSR-U	4008	0,7	IUF22	5383
90	cc MAXXER 90	4.5			U22FSR-U	4008	0,7	IUF22	5383
150	cc MX 150			01 >	X24ESR-U	4101	0,7	IX24	5372
150	cc MXER 150	8.1			X24ESR-U	4101	0,6	IX24	5372
150	cc MXU 150	8.1			X24ESR-U	4101	0,6	IX24	5372
250	cc KXR 250 / MAXXER 250 / MONGOOSE 250	12.5		01 >	X22EPR-U9	4086	0,9	IX22B	5375
250	cc MXU 250	12.5		05 >	X22EPR-U9	4086	0,9	IX22B	5375
300	cc MAXXER 300	14.2			X22EPR-U9	4086	0,9	IX22B	5375
300	cc MXU 300	15.4			X22EPR-U9	4086	0,9	IX22B	5375
500	cc MXU 500				U22ESR-N	4174	0,7	IU22	5361
MALAGUTI									
50	cc GRIZZLY 4-WHEELS				W24FS-U	4038	0,5	IWF24	5380
MZ									
150	cc VRS 150	7.1		05 >	U22ETR	4201	0,6	IU22	5361
POLARIS									
50	cc OUTLAW 50	2.5			U20FSR-U	4004	0,6	IUF22	5383
50	cc PREDATOR 50			03 >	W22FPR-U	4022	0,8	IWF22	5379
50	cc SCRAMBLER 50			01 >	W22FPR-U	4022	0,7	IWF22	5379
90	cc OUTLAW 90			07 >	U20FSR-U	4004	0,6	IUF22	5383
90	cc PREDATOR 90			03 >	W22FPR-U	4022	0,8	IWF22	5379
90	cc SCRAMBLER 90			01 >	W22FPR-U	4022	0,7	IWF22	5379
90	cc SPORTSMAN 90			01 >	W22FPR-U	4022	0,8	IWF22	5379
170	cc RANGER RZR 170				U20FSR-U	4004	0,6	IUF22	5383
200	cc PHOENIX 200			05 >	U20FSR-U	4004	0,6	IUF22	5383
200	cc SAWTOOTH 200			06 >	U20FSR-U	4004	0,6	IUF22	5383









	KW			Standard			Alternative	
								
POLARIS <i>continued</i>								
250 cc CYCLONE			86 >	W24ESR-U	4033	0,6	IW24	5316
250 cc TRAIL BLAZER (EC25PF-09)			95 >	W24ESR-U	4033	0,6	IW24	5316
250 cc TRAIL BOSS (EC25PF-08)			95 >	W24ESR-U	4033	0,6	IW24	5316
300 cc 300 / 2x4 / 4x4			94 >	W24ESR-U	4033	0,6	IW24	5316
300 cc HAWKEY 300			06 >	U24ESR-NB	4223	0,7	IU24	5362
300 cc SPORTSMAN 300	13.0			U24ESR-NB	4223	0,7	IU24	5362
325 cc MAGNUM 325			95 >	K20PR-U	3145	0,7	IK20	5304
330 cc TRAIL BLAZER 330	14.0			K20PR-U	3145	0,7	IK20	5304
330 cc TRAIL BOSS 330				K20PR-U	3145	0,8	IK20	5304
400 cc SCRAMBLER (EC38PLE-03)			95 >	W24ESR-U	4033	0,6	IW24	5316
400 cc SPORT (EC38PLE-02)			95 >	W24ESR-U	4033	0,6	IW24	5316
400 cc SPORTSMAN 4x4 / 6x6			95 >	W24ESR-U	4033	0,6	IW24	5316
400 cc XPLOER / 400 / 2x4 / 4x4			95 >	W24ESR-U	4033	0,6	IW24	5316
425 cc MAGNUM (EH42PLE-01)		(Standard)	95 >	K20PR-U	3145	0,7	IK20	5304
425 cc MAGNUM (EH42PLE-01)		(Light service = option)	95 >	K16PR-U	3191	0,7	IK16	5303
425 cc MAGNUM 6x6	13.0		97 >	K16PR-U	3139	0,6	IK16	5303
425 cc WORKMAN			97 >	K16PR-U	3191	0,7	IK16	5303
450 cc OUTLAW 450 MXR	32.0			XU24EPR-U	3312	0,9	IXU24	5309
450 cc SPORTSMAN 450			06 >	K20PR-U	3145	0,8	IK20	5304
500 cc ATP 330			04 >	K20PR-U	3145	0,8	IK20	5304
500 cc ATP 500			05 >	K20PR-U	3145	0,6	IK20	5304
500 cc EXPLORER 500			97 >	K16PR-U	3191	0,7	IK16	5303
500 cc MAGNUM, BOSS, SPORTSMAN			99 > 00	K16PR-U	3191	0,7	IK16	5303
500 cc OUTLAW 500			06 >	XU24EPR-U	3312	0,9	IXU24	5309
500 cc PREDATOR 500 / TROY LEE			05 >	XU24EPR-U	3312	0,9	IXU24	5309
500 cc RANGER 500 4x4			99 >	K16PR-U	3139	0,6	IK16	5303
500 cc SCRAMBLER, SPORTSMAN, TRAILBOSS			01 >	K20PR-U	3145	0,7	IK20	5304
500 cc SCRAMBLER 500 4x4			98 >	K20PR-U	3145	0,8	IK20	5304
500 cc SPORTSMAN 500 4x4			96 >	K20PR-U	3145	0,8	IK20	5304
500 cc SPORTSMAN 6x6			05 >	K20PR-U	3145	0,6	IK20	5304
510 cc OUTLAW 525 IRS / S	49.0			XU24EPR-U	3312	0,9	IXU24	5309
550 cc SPORTSMAN XP 550 EFI	29.9			K20PR-U	3145	0,7	IK20	5304
700 cc RANGER 700				Q22PR-U	3010	0,8	IQ22	5313
700 cc SPORTSMAN 700			03 >	K22PR-U	3165	0,6	IK22	5310
800 cc SPORTSMAN 800			05 >	K22PR-U	3165	0,6	IK22	5310
ROTAX								
500 cc BOMBARDIER TRAXTER 7401 / 7414			99 > 01	X24ESR-U	4101	0,7	IX24	5372
500 cc BOMBARDIER DS 650			00 > 01	X24ESR-U	4101	0,7	IX24	5372
SACHS								
50 cc 4 ROCK 50			06 >	W22FPR-U	4022	0,7	IWF22	5379
50 cc F50	2.1			U22FSR-U	4008	0,7	IUF22	5383
50 cc T-REX 50			06 >	W22FPR-U	4022	0,6	IWF22	5379
100 cc HELIX 100			06 >	W22FPR-U	4022	0,6	IWF22	5379
100 cc T-REX 100			06 >	W22FPR-U	4022	0,6	IWF22	5379
110 cc 4 ROCK 110			06 >	W22FPR-U	4022	0,7	IWF22	5379
150 cc 4 ROCK 150			06 >	U22FSR-U	4008	0,7	IUF22	5383
150 cc HELIX 150			06 >	U22FSR-U	4008	0,6	IUF22	5383
250 cc 4 ROCK 250			06 >	U24FSR-U	4010	0,7	IUF24	5384
450 cc F450	33.6			XU22EPR-U	3179	0,8	IXU22	5308
SIMSON								
50 cc STAR 50 ALBATROS	2.4		90 >	W24FS-U	4038	0,5	IWF24	5380
SUZUKI								
50 cc ALT 50		E	> 85	W14FP-UL	4014	0,6		
50 cc ALT 50		E,F	85 >	W14FPR-UL	4016	0,6		
50 cc LT 50		H,L	87 >	W14FPR-U	4184	0,7		
50 cc LT 50 / E		E,F,G,J,K	84 >	W14FPR-U	4184	0,7		
50 cc LT-Z 50			06 >	U20FSR-U	4004	0,6		
80 cc LT 80		<GB> J,K,L	88 > 91	W22FP-U	4021	0,7	IWF22	5379
80 cc LT 80		H,J,K,L,M,N,P	87 >	W22FP-U	4021	0,7	IWF22	5379
80 cc LT 80		H,J,K,L	87 > 91	W22FPR-U	4022	0,7	IWF22	5379
80 cc LT 80		M,N,P,R,S,T,V,W,X	91 >	W22FPR-U	4022	0,7	IWF22	5379
90 cc LT-Z 90 QUADSPORT	4.9		06 >	U20FSR-U	4004	0,7	IUF22	5383
125 cc ALT 125 (G)				X22ES-U	4090	0,7	IX22	5371
125 cc ALT 125 / E		D,E,F,G	83 > 86	X22ESR-U	4091	0,7	IX22	5371
125 cc LT 125 / D		D,E,F,G,H	83 > 87	X22ESR-U	4091	0,6	IX22	5371
160 cc LT 160 E		K	> 89	X22ESR-U	4091	0,7	IX22	5371
160 cc LT 160 E		<GB> L,M,N	90 >	X22EP-U9	4085	0,9	IX22B	5375




		KW			Standard			Alternative	
									
SUZUKI <i>continued</i>									
160 cc	LT 160 E		L,M,N	90 >	X22EPR-U9	4086	0,9	IX22B	5375
160 cc	LT-F 160 (QUAD RUNNER)		<GB> L,M,N,P,R,S,T,Y	90 >	X22EP-U9	4085	0,9	IX22B	5375
160 cc	LT-F 160 (QUAD RUNNER)		L,M,N,P,R,S,T	90 >	X22EPR-U9	4086	0,9	IX22B	5375
185 cc	ALT 185		F	85 >	X22ESR-U	4091	0,7	IX22	5371
185 cc	LT 185 E / FE		E	> 85	X22ES-U	4090	0,7	IX22	5371
185 cc	LT 185		F,G,H	85 >	X22ESR-U	4091	0,6	IX22	5371
230 cc	LT 230 S		H,J	87 >	X22ESR-U	4091	0,7	IX22	5371
230 cc	LT 230 E		J,K	88 > 90	X22ES-U	4090	0,7	IX22	5371
230 cc	LT 230 E		H	86 > 88	X22ESR-U	4091	0,7	IX22	5371
230 cc	LT 230 E		L,M,N,P	90 >	X22ESR-U	4091	0,7	IX22	5371
230 cc	LT 230 GE		F,G	85 >	X22ESR-U	4091	0,7	IX22	5371
230 cc	LT 230 GEF / S		F,G	85 >	X22ES-U	4090	0,7	IX22	5371
230 cc	LT-F 230		<GB> G,H	86 >	X22ES-U	4090	0,7	IX22	5371
230 cc	LT-F 230		<B,EU> G,H	86 >	X22ESR-U	4091	0,7	IX22	5371
250 cc	LT 250 E / EF / EFF		F,G	85 >	X24ESR-U	4101	0,7	IX24	5372
250 cc	LT 250 R		F,G,J,K	85 > 90			0,6	IW24	5316
250 cc	LT 250 R		H	87			0,6	IW24	5316
250 cc	LT 250 R		L,M,N	90 >			0,6	IW27	5317
250 cc	LT 250 R		<USA,GB> L,M,N	90 >			0,6	IW27	5317
250 cc	LT 250 S		<GB> L	90 >	X22EP-U9	4085	0,9	IX22B	5375
250 cc	LT 250 S		K,L	89 >	X22EPR-U9	4086	0,9	IX22B	5375
250 cc	LT-F 250		J,K,L	88 > 91	X22ESR-U	4091	0,6	IX22	5371
250 cc	LT-F 250		M,N,P,R,S,T	91 >	X22ESR-U	4091	0,6	IX22	5371
250 cc	LT-F 250		<USA> J,K,L	88 > 91	X22ES-U	4090	0,6	IX22	5371
250 cc	LT-Z 250			04 >	X22ESR-U	4091	0,7	IX22	5371
280 cc	LT - 4WD		J,K,L,M,N,P,R,S,T	88 >	X22ESR-U	4091	0,7	IX22	5371
280 cc	LT - F4WD (X)		H,K,L,M,N,P,R,S,T	87 >	X22ESR-U	4091	0,7	IX22	5371
280 cc	LT - F 300 (4WDX)		M,N,P,R,S,T	91 >	X22ESR-U	4091	0,7	IX22	5371
300 cc	LT 300 E		H,J,K	87 >	X24ESR-U	4101	0,7	IX24	5372
300 cc	LT-F 300		H,J,K	87 >	X24ESR-U	4101	0,7	IX24	5372
400 cc	LT-Z 400 / Z QUADSPORT	28		02 > 08 >	U22ESR-N	4174	0,7	IU22	5361
450 cc	LT-R 450 / Z QUADRACER	31.0		06 > 08 >	U24ESR-NB	4223	0,8	IU24	5362
500 cc	LT 500 / R		H,J,K,L	87 >			0,6	IW24	5316
500 cc	LT 500 / R		<USA> H,J,K,L	87 >			0,6	IW24	5316
500 cc	LT-A500 F (QUAD MASTER)			00 >	U20ESR-N	-	0,7		
500 cc	LT-F500 F (QUAD RUNNER)			00 >	U22ESR-N	4174	0,7	IU22	5361
700 cc	LT-A700X (KINGQUAD)			05 >	U20ESR-N	4221	0,7	IU20	5360
SYM									
170 cc	TRACKRUNNER 200	10.8			U24ESR-N	4126	0,8	IU24	5362
250 cc	QUADLANDER 250	14.1			U24ESR-N	4126	0,8	IU24	5362
285 cc	QUADLANDER 300	15.0			U24ESR-N	4126	0,8	IU24	5362
565 cc	QUADRAIDER 600	15.0			U24ESR-N	4126	0,8	IU24	5362
YAMAHA									
	GOLF CAR G1A / G3				W16FP-U	4019	0,7		
	GOLF CAR GE				W14F-U	4012	0,7		
	GOLF CAR G2A / G9A			92 >	W16ES-U	3025	0,5	IW16	5305
50 cc	YFM 50 / R			04 >	U22FSR-U	4008	0,7	IUF22	5383
60 cc	YF 60 (1HN)			87 > 88	W20FPR-U	3070	0,7		
60 cc	YT 60 L / N / S				W20FP-U	3068	0,7		
80 cc	YFM 80 (MOTO 4 / BADGER)			92 >	U22FSR-U	4008	0,7	IUF22	5383
80 cc	YFM 80 E / F (MOTO 4)			93 >	U22FS-U	4006	0,7	IUF22	5383
80 cc	YFM 80 / R / W			02 >	U22FSR-U	4008	0,7	IUF22	5383
100 cc	YFM 100 (CHAMP)				U22FSR-U	4008	0,7	IUF22	5383
100 cc	YFM 100 U / W (CHAMP)				U22FS-U	4006	0,7	IUF22	5383
125 cc	YFA-1 F			94 >	U22FS-U	4006	0,7	IUF22	5383
125 cc	YFA-125 (BREEZE)			94 >	U22FSR-U	4008	0,7	IUF22	5383
125 cc	YFM-125				U22FSR-U	4008	0,7	IUF22	5383
125 cc	YFM 125 / A (GRIZZLY)			04 >	U22FSR-U	4008	0,7	IUF22	5383
125 cc	YT 125 CH / H / J / K / L / N				W20EP-U	3043	0,8	IW20	5306
200 cc	YFM 200 MOTO 4			85 >	X22ESR-U	4091	0,7	IX22	5371
200 cc	YFS 200 (BLASTER)			93 >	W24ESR-U	4033	0,8	IW24	5316
200 cc	YFS 200 E / F			93 >	W24ES-U	4030	0,8	IW24	5316
200 cc	YTM 200 ERN / N				X22ES-U	4090	0,7	IX22	5371
200 cc	YTM 200 K / EK / L / EL				X22ES-U	4090	0,7	IX22	5371
200 cc	YTM 200 S				X22ESR-U	4091	0,7	IX22	5371
225 cc	YFM 225 / MOTO 4			92 >	X22ESR-U	4091	0,7	IX22	5371
225 cc	YFM 225 U / K / DXL / DRN / DXN / T				X22ES-U	4090	0,7	IX22	5371
230 cc	YFU-1 / YFM 230				X22ESR-U	4091	0,7	IX22	5371

	KW			Standard			Alternative	
								
YAMAHA <i>continued</i>								
250 cc	YFB 250 / E / F / FWF (TIMBERWOLF)		93 >	X22ES-U	4090	0,7	IX22	5371
250 cc	YFB 250 / FW (TIMBERWOLF)		94 >	X22ESR-U	4091	0,7	IX22	5371
250 cc	YFM 250 R (RAPTOR)		08 >	X22ESR-U	4091	0,7	IX22	5371
250 cc	YFM 250 W (BEAR TRACKER)			X22ESR-U	4091	0,7	IX22	5371
350 cc	YFM 350 2HR / 2HN MOTO 4		92	X24ESR-U	4101	0,7	IX24	5372
350 cc	YFM 350 ER / ERT / ERF / ERU / ERW			X24ES-U	4099	0,7	IX24	5372
350 cc	YFM 350 FWF / FWT / FWU / FWW / XF			X24ES-U	4099	0,7	IX24	5372
350 cc	YFM 350 FWX (WOLVERINE)		92	X24ESR-U	4101	0,7	IX24	5372
350 cc	YFM 350 / R		04 >	X24ESR-U	4101	0,7	IX24	5372
350 cc	YFM 350 UT / XU / XW			X24ES-U	4099	0,7	IX24	5372
350 cc	YFM 350 X (WARRIOR)		92	X24ESR-U	4101	0,7	IX24	5372
350 cc	YFP 350 U (TERRAPRO)			X24ES-U	4099	0,7	IX24	5372
350 cc	YFZ 350 (BANSHEE)		94 >	W24ESR-U	4033	0,8	IW24	5316
350 cc	YFZ 350 E / F		93 >	W24ES-U	4030	0,8	IW24	5316
350 cc	YFZ 350 U / W			W24ES-U	4030	0,8	IW24	5316
400 cc	YFM 400 (KODIAK)		93 >	X24ESR-U	4101	0,7	IX24	5372
400 cc	YFM 400 FW / FWF (BIG BEAR)		94 >	X24ESR-U	4101	0,7	IX24	5372
450 cc	YFZ 450		04 >	U24ESR-N	4126	0,7	IU24	5362
600 cc	YFM 600 (GRIZZLY)		98 >	X24EPR-U9	4096	0,9	IX24B	5376
660 cc	YFM 660 RAPTOR / GRIZZLY		01 >	X24EPR-U9	4096	0,9	IX24B	5376
660 cc	YXR 660 FAS		05 >	X24EPR-U9	4096	0,9	IX24	5372
660 cc	YXR 660 RHINO		04 >	X24EPR-U9	4096	0,9	IX24	5372
700 cc	YFM 700 R (GRIZZLY)		07 >	U22ESR-N	4174	0,9	IU22	5361

DENSO Karting











		KW			Standard			Alternative	
									
ADLY									
125 cc	GO-KART ATK 125 R	5.8			U22FSR-U	4008	0,6	IUF22	5383
BILAND									
250 cc	KART ENGINE			00 >			0,7	IU22	5361
250 cc	SA250				U24ETR	4158	0,7	IU24A	5365
BRIGGS & STRATTON									
200 cc	WORLD FORMULA		124435-8101-01		U27ESR-N	4126		IU24A	5365
206 cc	ANIMAL		124432-8001-01		Q16PR-U	3137		IQ16	5301
305 cc	MODEL 20		202400		Q16PR-U	3137		IQ16	5301
	BLOCKZILLA	2,75"	555640		U27ESR-N	4126		IU24A	5365
	BLOCKZILLA	3,0"	555641		U27ESR-N	4126		IU24A	5365
	V-TWIN		350400		Q16PR-U	3137		IQ16	5301
BRM									
125 cc	TM engine						0,6	IW31	5319
BULTACO									
200 cc	GO KART						0,5	IW27	5317
CARRELL									
98 cc	80S						0,6	IW27	5317
100 cc	AK100, CK100						0,6	IW31	5319
COMER									
50 cc	MINIKART C50			98 >	W22MPR-U	6043	0,7		
60 cc	RAINBOW MINIKART S 60	4.4		98 >	W22MP-US	6049	0,7		
60 cc	S60, W60				W22MP-US	6049	0,6		
80 cc	K80, W80				W22MP-US	6049	0,6		
85 cc	MINIKART			98 >	W22MP-US	6049	0,7		
100 cc	351L/VT/VTI						0,6	IW31	5319
CRG									
	S-10T1, S-20T1						0,6	IW31	5319
	SS97/98/99						0,6	IW31	5319
	SW97/98/99						0,6	IW31	5319
	WTP60						0,6	IW27	5317
CRS									
125 cc	A 1						0,6	IW31	5319
125 cc	MF 1						0,6	IW34	5320
125 cc	MF 2						0,6	IW34	5320
125 cc	P 1						0,6	IW31	5319
125 cc	S 1						0,6	IW31	5319
125 cc	S 88						0,6	IW31	5319
ECOMOTO									
250 cc	Kart engine			98 >	U24ESR-N	4126	0,7	IU24	5362
EVO (Kart)									
125 cc	FR 125 Max	22.0	(Standard)	98 >			0,7	IW31	5319
125 cc	FR 125 Max	22.0	(Low load = option)	98 >			0,7	IW27	5317
125 cc	Rotax Aprilia 122	31.0		98 >			0,7	IW31	5319
	4-T Wankel	30.0	LCR 407 SG/W	98 >	U31ETR	4135	0,7	IU31A	5367
FOX									
100 cc	RTW						0,6	IW31	5319
FUJI ROBIN									
	EC03/04/05				W22FS-U	4025	0,6	IWF22	5379
HETSCHEL									
100 cc	KZH 100D/100M						0,6	IW31	5319
HONDA									
120 cc	GX 120	3			W20EPR-U	3047	0,7	IW20	5306
160 cc	GX 160	4			W20EPR-U	3047	0,7	IW20	5306
200 cc	GX 200	4.8			W20EPR-U	3047	0,7	IW20	5306
240 cc	GX 240	5.8			W20EPR-U	3047	0,7	IW20	5306
	JE01E						0,6	IW01-#	-
HRT									
100 cc	REED, ROTARY						0,6	IW31	5319
IAME									
60 cc	Parilla 60 GAZELLE						0,6	IW31	5319
80 cc	Parilla 80 LEVRIER						0,6	IW31	5319
99 cc	Komet K55 / Super						0,6	IW31	5319
100 cc	Parilla 100, Sirio 100						0,6	IW31	5319
100 cc	Parilla REEDJET JP.S						0,6	IW31	5319
100 cc	Parilla REEDJET RL/MAXI-RL						0,6	IW31	5319
100 cc	Parilla TT37/38/39/40						0,6	IW31	5319
100 cc	Sirio RAP TT53 / TT56						0,6	IW31	5319
100 cc	Sirio RAP95						0,6	IW31	5319

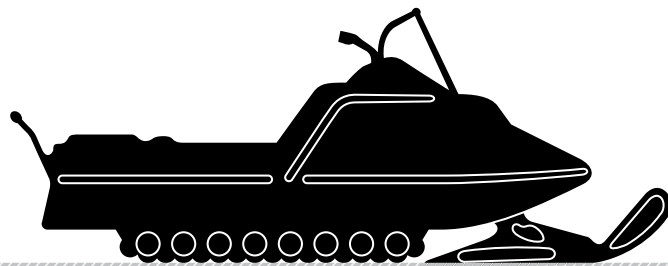
		KW			Standard			Alternative		
IAME continued										
120	cc	Komet Panther TaG					0,6	IW31	5319	
125	cc	Parilla 125LEOPARD					0,6	IW31	5319	
		Parilla MAG95					0,6	IW31	5319	
ITAL SYSTEM (Saetta)										
99	cc	ML21, ML31, MV21, MV31					0,6	IW31	5319	
99	cc	SL11, SL21, SV11, SV21					0,6	IW31	5319	
99	cc	SV31, ML41, MV41					0,6	IW31	5319	
KOHLER										
180	cc	XKE 6	4.5			Q16PR-U	3137	1.0	IQ16	5301
MAXTER										
100	cc	MX-L, MX-V						0,6	IW31	5319
MOTOR HISPANIA										
50	cc	KART 50				W20FS-U	3073	0,5		
MUGEN										
100	cc	MKR100AI						0,6	IW31	5319
PCR										
98.1	cc	TSV98, TSL98, PV50						0,6	IW31	5319
100	cc	PV50W						0,6	IW31	5319
PRD										
100	cc	RK100/C/EH						0,6	IW27	5317
RADNE										
60	cc	RAKET 60				W22MP-US	6049	0,6		
85	cc	RAKET 85				W22MP-US	6049	0,6		
120	cc	RAKET 120				W22MP-US	6049	0,6		
ROTAX										
100	cc	DS-DL/DR, DS-EL/ER						0,7	IW31	5319
100	cc	DS-FR						0,7	IW31	5319
100	cc	VM95, VME, VM95XP						0,7	IW31	5319
125	cc	FR 125 MAX (37.125.1301)	(Low load = option)	98 >				0,7	IW27	5317
125	cc	FR 125 MAX (37.125.1301)	(Standard)	98 >				0,7	IW31	5319
125	cc	FR 125 MAX JUNIOR (30.125.130)	(Standard)	98 >				0,7	IW27	5317
125	cc	FR 125 MAX JUNIOR (30.125.130)	(Fast driving = option)	98 >				0,7	IW31	5319
125	cc	FR 125 MAX MINI (30.125.130)	(Standard)	98 >				0,7	IW27	5317
125	cc	FR 125 MAX MINI (30.125.130)	(Fast driving = option)	98 >				0,7	IW31	5319
SUZUKI										
		F114						0,7	IW01-#	-
TITAN										
100	cc	LL-1/2/3, RV-1, RV-2						0,6	IW31	5319
TKM										
100	cc	BT 82	(Standard)					0,6	IW27	5317
100	cc	BT 82	(Hot weather = option)					0,6	IW31	5319
200	cc					U31ESR-N	4187	0,6	IU31	5364
TM (RACING)										
125	cc	BRM Kart						0,6	IW31	5319
100	cc	K11, K12						0,6	IW31	5319
TOHATSU										
		K-470 II						0,6	IW27	5317
VORTEX										
60	cc	MINIROK 60						0,6	IW27	5317
100	cc	RVA 100						0,6	IW31	5319
100	cc	VL/B/C/95/95C						0,6	IW31	5319
100	cc	VL/CW, VL/BW						0,6	IW31	5319
100	cc	VR/C/CW/95/95C						0,6	IW31	5319
125	cc	RAV 125						0,6	IW31	5319
125	cc	ROK125						0,6	IW31	5319
125	cc	ROK TT 125	22					0,6	IW31	5319
125	cc	RVS 125						0,6	IW31	5319
125	cc	RVX 125						0,6	IW31	5319
125	cc	SUPERROK 125	26.5					0,6	IW31	5319
WANKEL										
407	cc	LOR 407 SG/K(R) SG/W	30-32			U24ETR	4158	0,7	IU24A	5365
YAMAHA										
80	cc	YZ 80 E / SK							IW31	5319
85	cc	YZ 85	(Fast driving = option)					0,6	IW31	5319
85	cc	YZ 85	(Standard)					0,6	IW27	5317
100	cc	KT 100 J	(Fast driving = option)					0,6	IW31	5319
100	cc	KT 100 J	(Standard)					0,6	IW27	5317
100	cc	KT 100 J	(Low load = option)			W24ES-U	4030	0,6	IW24	5316









Spark Plugs

Application Tables – Karting

	KW			Standard			Alternative	
								
YAMAHA continued								
100 cc KT 100 P		(Fast driving = option)				0,6	IW31	5319
100 cc KT 100 P		(Standard)				0,6	IW27	5317
100 cc KT 100 P		(Low load = option)				0,6	IW24	5316
100 cc KT 100 S		(Sprint = option)				0,6	IW27	5317
100 cc KT 100 S		(Superkart = option)				0,6	IW31	5319
100 cc KT100 FP / AZ / SC / SD						0,6	IW27	5317
100 cc KT100SP, KT100FA						0,6	IW31	5319
100 cc RC 100 S (RED ARROW)				W27ES-U	4046	0,7	IW27	5317
125 cc YZ125 SK						0,6	IW31	5319
250 cc FK250				U27ETR	4155	0,6	IU27A	5366
250 cc M250WR-F				U24ESR-N	4126	0,7	IU24	5362









DENSO Snowmobile


















		KW			Standard			Alternative	
									
AKTIV									
277	cc KARIBO				W24ES-U	4030	0,7	IW24	5316
290	cc ALL MODELS				M22	5003	0,7		
440	cc 600 / 400				M22	5003	0,7		
440	cc GRIZZLY				W27ES-U	4046	0,7	IW27	5317
440	cc PANTHER				W27ES-U	4046	0,7	IW27	5317
500	cc 600 SPIRIT				W27ES-U	4046	0,7	IW27	5317
500	cc 625 TEDDY				W27ES-U	4046	0,7	IW27	5317
500	cc GRIZZLY				W27ES-U	4046	0,7	IW27	5317
503	cc GRIZZLY				W24ES-U	4030	0,7	IW24	5316
503	cc PANTHER LANG				W24ES-U	4030	0,7	IW24	5316
ALOUETTE									
340	cc 340				W27ES-U	4046	0,5	IW27	5317
340	cc G34B SNO DUSTER				W24ES-U	4030	0,5	IW24	5316
440	cc 440				W27ES-U	4046	0,5	IW27	5317
ARCTIC CAT									
60	cc AA - 06A1				W20FPR-U	3070	0,6		
60	cc AA - 06A2 / A3 / A4 / A5 / A6			91 >	W20FSR-U	6053	0,6		
60	cc KITTY CAT			86 >	W20FSR-U	6053	0,6		
60	cc T5B / T6A				W20FSR-U	6053	0,6		
120	cc F 120		Suzuki		W20EPR-U	3047	0,6	IW20	5306
245	cc T1A 250 R1A				W27ESR-U	4045	0,6	IW27	5317
245	cc T1B 250 RS1 / T7C 250 FR2 / T7C 250 FX				W27ES-U	4046	0,6	IW27	5317
245	cc T1C 250 F1 / T1D 250 F1				W27ESR-U	4045	0,6	IW27	5317
250	cc AA 25 L2 / AB 25 F3 / F4				W27ESR-U	4045	0,6	IW27	5317
250	cc AB 25 F1 / F2				W24ESR-U	4033	0,6	IW24	5316
250	cc LYNX 250				W24ES-U	4030	0,6	IW24	5316
275	cc AA - 28F1 / F2 / F3 / F4 / F5				W24ESR-U	4033	0,6	IW24	5316
275	cc JAGUAR 2000T				W24ESR-U	4033	0,6	IW24	5316
275	cc LYNX 2000S / T				W24ESR-U	4033	0,6	IW24	5316
290	cc T1A 290 R1A / FA / F1				W27ES-U	4046	0,6	IW27	5317
290	cc T1C 290 RS1				W27ES-U	4046	0,6	IW27	5317
290	cc T7A 290 RX				W27ES-U	4046	0,6	IW27	5317
292	cc 150 A / B				M24S	5004	0,6		
292	cc KM24 WANKEL		(L=12.7mm thread)		W22FSR	4024	0,6	IWF22	5379
292	cc LYNX 1				W24FS-U	4038	0,6	IWF24	5380
292	cc T4B 292 S1A				W27FS-U	4052	0,6	IWF27	5381
292	cc T4C 292 S1 / S1A				W24FSR	4037	0,6	IWF24	5380
295	cc KM24 WANKEL		(L=19.0mm thread)		W24ESR-U	4033	0,6	IW24	5316
336	cc T1B 340 S1				W24ESR-U	4033	0,6	IW24	5316
336	cc T1C 340 S1 / S2				W24ESR-U	4033	0,6	IW24	5316
339	cc JAGUAR 3000 / 340				W24ESR-U	4033	0,6	IW24	5316
339	cc LYNX DELUXE / MTN CAT				W20FSR-U	6053	0,6		
339	cc PANTHER 340				W24ES-U	4030	0,6	IW24	5316
339	cc SNO PRO		Racing				0,6	IW31	5319
339	cc T1A 340 FA / R1A / F1				W27ES-U	4046	0,6	IW27	5317
339	cc T1A 340 S1				W24ES-U	4030	0,6	IW24	5316
339	cc T1B 340 RS1				W27ES-U	4046	0,6	IW27	5317
339	cc T1D 340 A2A / F1				W24ESR-U	4033	0,6	IW24	5316
339	cc T7A 340 RX / T7C 340 FR1				W27ES-U	4046	0,6	IW27	5317
339	cc TC 340 A				W27ESR-U	4045	0,6	IW27	5317
339	cc TC7 340 FR2 / FX				W27ES-U	4046	0,6	IW27	5317
340	cc AA 34 F1 / F2 / F3 / F4 / F5				W24ESR-U	4033	0,6	IW24	5316
340	cc AB 34 F1 / AE 34 L2				W27ESR-U	4045	0,6	IW27	5317
340	cc AC 34 L2 / AD 34 L1				W27ESR-U	4045	0,6	IW27	5317
340	cc AF 34 A1 / A2				W24ESR-U	4033	0,6	IW24	5316
370	cc PANTHER 370		Suzuki		W27ESR	6069	0,6	IW27	5317
398	cc T1A 400 FA / F1A / F1				W27ES-U	4046	0,6	IW27	5317
398	cc T1A 400 S1 / T1B 400 S1				W24ESR-U	4033	0,6	IW24	5316
398	cc T7A 400 RS1				W27ES-U	4046	0,6	IW27	5317
431	cc AD - 44L1				W27ESR-U	4045	0,6	IW27	5317
431	cc BEARCAT / AK44A7-B / AK44A8-B			95 >	W27ESR-U	4045	0,6	IW27	5317
431	cc JAG / JAG SUPER / PANTHER / TRAI CAT				W27ESR-U	4045	0,6	IW27	5317
436	cc COUGAR / POWLER / EL TIGRE 4000				W27ES-U	4046	0,6	IW27	5317
436	cc PANTERA / CHEETAH / PANTHER 4000				W24ES-U	4030	0,6	IW24	5316
436	cc T1A 440 FA / R1A / F2				W27ES-U	4046	0,6	IW27	5317









		KW			Standard			Alternative	
									
ARCTIC CAT <i>continued</i>									
436	cc T1A 440 S1 / T1B 440 S1				W24ESR-U	4033	0,6	IW24	5316
436	cc T1C 440 S1A / S2A				W24ESR-U	4033	0,6	IW24	5316
436	cc T1D 440 A2A				W24ESR-U	4033	0,6	IW24	5316
436	cc T7A 440 RS1 / RX				W27ES-U	4046	0,6	IW27	5317
436	cc T7B 440 RS1				W27ES-U	4046	0,6	IW27	5317
436	cc T7C 440 FR1 / FR2 / FX				W27ES-U	4046	0,6	IW27	5317
436	cc TA 440 A / B / C				W27ESR-U	4045	0,6	IW27	5317
440	cc AB 44 F1 / F2				W24ESR-U	4033	0,6	IW24	5316
440	cc AC 44 A1 / A2 / A3				W24ESR-U	4033	0,6	IW24	5316
440	cc AE 44 L2				W27ESR-U	4045	0,6	IW27	5317
440	cc AF 44 L1 / L2 / L3				W27ESR-U	4045	0,6	IW27	5317
440	cc AG 44 A1 / A2				W24ESR-U	4033	0,6	IW24	5316
440	cc PANTHER 440				W27ES-U	4046	0,6	IW27	5317
440	cc SNO PRO		Racing				0,6	IW31	5319
500	cc AB 50 A1				W24ESR-U	4033	0,6	IW24	5316
500	cc AB 50 A2 / A3 / A4				W27ESR-U	4045	0,6	IW27	5317
500	cc AC 50 F1 / F2				W27ESR-U	4045	0,6	IW27	5317
500	cc AD 50 F1 / F2 / F3 / F4 / F5				W27ESR-U	4045	0,6	IW27	5317
500	cc AE 50 A1 / A2 / A3				W27ESR-U	4045	0,6	IW27	5317
500	cc AF 50 A1				W27ESR-U	4045	0,6	IW27	5317
500	cc AH 50 L1 / L2				W27ESR-U	4045	0,6	IW27	5317
500	cc AL 50 A1 / A2				W27ESR-U	4045	0,6	IW27	5317
500	cc CHEETAH 5000 / COUGAR				W27ESR-U	4045	0,6	IW27	5317
500	cc CROSSFIRE 5		Suzuki		W27ESR	6069	0,6	IW27	5317
500	cc EL TIGRE 6000			89 >			0,6	IW31	5319
500	cc EL TIGRE EXT / 5000			89 >			0,6	IW27	5317
500	cc F 5		Suzuki		W27ESR	6069	0,6	IW27	5317
500	cc PANTERA 500 / 5000 FA / FC				W27ESR-U	4045	0,6	IW27	5317
500	cc T 500		Suzuki		W27ESR	6069	0,6	IW27	5317
529	cc AA 53 L3						0,6	IW31	5319
529	cc AA 53 L4				W27ESR-U	4045	0,6	IW27	5317
550	cc AA 55 L1 / L2 / L3 / L5 / L6				W27ESR-U	4045	0,6	IW27	5317
560	cc EXT SPECIAL / MTN CAT				W27ESR-U	4045	0,6	IW27	5317
565	cc BEARCAT 570		Suzuki		W27ESR	6069	0,6	IW27	5317
565	cc F 570		Suzuki		W27ESR	6069	0,6	IW27	5317
565	cc T 570		Suzuki		W27ESR	6069	0,6	IW27	5317
580	cc AA 58 L2				W27ESR-U	4045	0,6	IW27	5317
594	cc AA 60 L2				W27ESR-U	4045	0,6	IW27	5317
600	cc CROSSFIRE 6		Suzuki		W27ESR	6069	0,6	IW27	5317
600	cc F 6		Suzuki		W27ESR	6069	0,6	IW27	5317
600	cc M 6		Suzuki		W27ESR	6069	0,6	IW27	5317
645	cc T8A 650 RX				W27ES-U	4046	0,6	IW27	5317
645	cc WILDCAT 650						0,6	IW31	5319
650	cc AA 65 L1						0,6	IW31	5319
650	cc AA 65 L2						0,6	IW27	5317
650	cc AA 65 L3				W27ESR-U	4045	0,6	IW27	5317
660	cc BEARCAT WT 660		Suzuki				0,8	IXU24	5309
660	cc BEARCAT WT 660 TURBO		Suzuki				0,8	IXU24	5309
660	cc PANTHER 660		Suzuki				0,8	IXU24	5309
660	cc T 660		Suzuki				0,8	IXU24	5309
700	cc AA 70 L5 / L6				W27ESR-U	4045	0,6	IW27	5317
700	cc WILDCAT / MTN CAT				W27ESR-U	4045	0,6	IW27	5317
794	cc AA 80 L1 / L2				W27ESR-U	4045	0,6	IW27	5317
800	cc CROSSFIRE 8		Suzuki		W27ESR	6069	0,6	IW27	5317
800	cc F 8		Suzuki		W27ESR	6069	0,6	IW27	5317
800	cc M 8		Suzuki		W27ESR	6069	0,6	IW27	5317
896	cc AA 90 L1 / L2				W27ESR-U	4045	0,6	IW27	5317
1000	cc CROSSFIRE 1000		Suzuki		W27ESR	6069	0,6	IW27	5317
1000	cc F 1000		Suzuki		W27ESR	6069	0,6	IW27	5317
1000	cc M 1000		Suzuki		W27ESR	6069	0,6	IW27	5317
1056	cc T Z1		Suzuki		U24ETR	4158	0,8	IU24A	5365
1056	cc JAGUAR Z1		Suzuki		U24ETR	4158	0,8	IU24A	5365
BOA SKI									
292	cc MKI 292				W27ESR-U	4045	0,6	IW27	5317
340	cc MKIII 340				W27ESR-U	4045	0,6	IW27	5317
440	cc MKII 440				W27ESR-U	4045	0,6	IW27	5317
BOLENS									
292	cc 292 / 295 / R295				W22FS-U	4025	0,6	IWF22	5379



		KW			Standard			Alternative	
									
BOLENS <i>continued</i>									
310	cc 315				W22FS-U	4025	0,6	IWF22	5379
336	cc 340 / R340				W22FS-U	4025	0,6	IWF22	5379
396	cc 399 / R399				W24FS-U	4038	0,6	IWF24	5380
438	cc 440 / R440				W24FS-U	4038	0,6	IWF24	5380
BOMBARDIER (SKI-DOO / MOTO-SKI)									
118	cc MINI Z			98 >	W20EPR-U	3047	0,7	IW20	5306
247	cc 250				M22	5003	0,5		
247	cc 250 ELAN				M17	5002	0,5		
247	cc 250 RV / TNT				W27ES-U	4046	0,5	IW27	5317
247	cc 250SS ELAN				W24FS-U	4038	0,5	IWF24	5380
247	cc 250T ELAN DELUXE				W20FS-U	3073	0,5		
250	cc ELAN				M14	5001	0,5		
253	cc CITATION LS / LSE / TUNDRA / LT			85 >	W27ESR-U	4045	0,5	IW27	5317
269	cc CITATION 3500				W24ESR-U	4033	0,5	IW24	5316
269	cc TUNDRA II / LT			93 >	W27ES-U	4046	0,5	IW27	5317
292	cc 292TNT / 320SS				M24S	5004	0,5		
293	cc 294TNT / 300TNT				W24FS-U	4038	0,5	IWF24	5380
294	cc CITATION 300				W24FS-U	4038	0,5	IWF24	5380
302	cc 300 OLYMPIQUE SINGLE				M14	5001	0,5		
305	cc OLYMPIQUE TWIN				W22FS-U	4025	0,5	IWF22	5379
335	cc 335 OLYMPIQUE				M14	5001	0,5		
339	cc 340FA (CDI)				W27ES-U	4046	0,5	IW27	5317
339	cc 340SS / TNT				M24S	5004	0,5		
339	cc BLIZZARD 7500				W27ES-U	4046	0,5	IW27	5317
339	cc BLIZZARD 7500 PLUS				W27ES-U	4046	0,5	IW27	5317
339	cc OLYMPIQUE 340 / 340E				W24FS-U	4038	0,5	IWF24	5380
339	cc SONIC 340 / RV 340						0,6	IW31	5319
340	cc 340 / 340E EVEREST / TNT				W24FS-U	4038	0,5	IWF24	5380
340	cc 354 BLIZZARD 6500						0,6	IW31	5319
345	cc RV340 (F / A)				W27ES-U	4046	0,5	IW27	5317
346	cc TNT340 (F / A)				W27ES-U	4046	0,5	IW27	5317
368	cc 377 MIRAGE III				W24ES-U	4030	0,4	IW24	5316
368	cc 377 SAFARI			84	W24ESR-U	4033	0,6	IW24	5316
368	cc 377 SAFARI / E / L / DL			85 >	W27ESR-U	4045	0,6	IW27	5317
368	cc 377 SCOUT				W24ESR-U	4033	0,5	IW24	5316
368	cc 377 SKANDIC / R / II / IIR				W24ES-U	4030	0,5	IW24	5316
368	cc FORMULA S			96 >	W27ES-U	4046	0,4	IW27	5317
369	cc 371 NORDIC				W22FS-U	4025	0,6	IWF22	5379
386	cc 370 OLYMPIQUE				W22FS-U	4025	0,6	IWF22	5379
386	cc 380 FORMULA DELUXE			00 >	W27ESR-U	4045	0,6	IW27	5317
386	cc CITATION SS / 4500 / 4500E				W27ES-U	4046	0,6	IW27	5317
399	cc 400				W27FS-U	4052	0,6	IWF27	5381
399	cc 396 / 398TNT / FA				W24ES-U	4030	0,6	IW24	5316
399	cc 399TNT				W22FS-U	4025	0,6	IWF22	5379
399	cc 400 FA (CDI)				W27ES-U	4046	0,6	IW27	5317
399	cc TNT 400 FREE AIR				W31ES-U	4062	0,6	IW31	5319
437	cc 440 / 440E EVEREST (FAN)				M24S	5004	0,6		
437	cc 440 / 440R				M22	5003	0,6		
437	cc 440 FA		(Ø 18mm thread)		M22	5003	0,6		
437	cc 440 FA		(Ø 14mm thread)		W24ES-U	4030	0,6	IW24	5316
437	cc 440 TNT		(Ø 18mm thread)		M22	5003	0,6		
437	cc 440 TNT		(Ø 14mm thread)		W24ES-U	4030	0,6	IW24	5316
437	cc 440 TNT / 440E (FAN)				M24S	5004	0,6		
437	cc 447 NORDIC 50				W27ESR-U	4045	0,6	IW27	5317
437	cc 477 SAFARI / GRAND LUXE				W24ESR-U	4033	0,6	IW24	5316
437	cc BLIZZARD 9500				W27ESR-U	4045	0,6	IW27	5317
437	cc BLIZZARD 9500 PLUS				W31ESR-U	4176	0,5	IW31	5319
437	cc ELITE				W24ESR-U	4033	0,6	IW24	5316
437	cc ELITE 450L / C		(Standard)		W24ESR-U	4033	0,6	IW24	5316
437	cc ELITE 450L / C		(Severe Service = option)		W27ESR-U	4045	0,6	IW27	5317
437	cc EVEREST 444L / C				W27ESR-U	4045	0,6	IW27	5317
462	cc FORMULA SP / SS				W24ESR-U	4033	0,6	IW24	5316
463	cc EVEREST LC / SS - 25				W24ESR-U	4033	0,6	IW24	5316
467	cc FORMULA MX				W24ESR-U	4033	0,6	IW24	5316
467	cc FORMULA MXII				W27ESR-U	4045	0,6	IW27	5317
470	cc MXV				W27ESR-U	4045	0,6	IW27	5317
477	cc 477 SAFARI			85 >	W27ESR-U	4045	0,6	IW27	5317
503	cc ALPINE II				W24ESR-U	4033	0,6	IW24	5316









		KW			Standard			Alternative		
										
BOMBARDIER (SKI-DOO / MOTO-SKI) continued										
503	cc	BLIZZARD 5500 / MX				W27ESR-U	4045	0,6	IW27	5317
503	cc	ESCAPADO 503				W27ESR-U	4045	0,6	IW27	5317
503	cc	EVEREST 500 / 500E				W27ESR-U	4045	0,6	IW27	5317
503	cc	NORDIC 503				W24ESR-U	4033	0,6	IW24	5316
503	cc	SAFARI RALLY				W27ESR-U	4045	0,6	IW27	5317
503	cc	SKANDIC / R / SLT				W27ESR-U	4045	0,6	IW27	5317
503	cc	STRATOS 503 / VOYAGEUR				W27ESR-U	4045	0,6	IW27	5317
532	cc	SAFARI GL / LC				W24ESR-U	4033	0,6	IW24	5316
534	cc	BLIZZARD 9700				W24ESR-U	4033	0,6	IW24	5316
537	cc	FORMULA PLUS		85 > 91		W27ESR-U	4045	0,6	IW27	5317
582	cc	FORMULA PLUS / MACH I / PLUS II / E / XTC				W27ESR-U	4045	0,6	IW27	5317
599	cc	FORMULA III / -LT		97 >		W31ESR-U	4176	0,5	IW31	5319
635	cc	640				M24S	5004	0,6		
635	cc	640 ALPINE ER				W22FS-U	4025	0,6	IWF22	5379
635	cc	640 VALMENT / 640TNT / ALPINE 640 (NORDIC)				M22	5003	0,6		
643	cc	FORMULA MACH I / IX				W27ESR-U	4045	0,6	IW27	5317
669	cc	669TNT				M22	5003	0,6		
670	cc	MACH I / II / XTC				W27ESR-U	4045	0,6	IW27	5317
699	cc	MACH 1 / GT 500 SE / GT 538 SE		97 >		W31ESR-U	4176	0,5	IW31	5319
771	cc	775TNT				M24S	5004	0,6		
771	cc	Other Blizzard series	(Ø 14mm thread)			W27ES-U	4046	0,6	IW27	5317
779	cc	MACH Z				W27ESR-U	4045	0,6	IW27	5317
779	cc	MACH Z				W31ESR-U	4176	0,5	IW31	5319
809	cc	MACH Z / -Z LT		97 >		W31ESR-U	4176	0,5	IW31	5319
BROOTEN										
294	cc	LC29				W24ESR-U	4033	0,6	IW24	5316
335	cc	LC34				W24ESR-U	4033	0,6	IW24	5316
335	cc	LC43				W24ESR-U	4033	0,6	IW24	5316
439	cc	LC44				W24ESR-U	4033	0,6	IW24	5316
CANADIAN CURTIS WRIGHT										
248	cc	KEC 248				M22	5003	0,6		
290	cc	KEC 290 1				W22FS-U	4025	0,6	IWF22	5379
290	cc	KEC 290 2 / KEC 290 3				W24FS-U	4038	0,6	IWF24	5380
339	cc	KEC 340 1				W22FS-U	4025	0,6	IWF22	5379
339	cc	KEC 340 2 / KEC 340 3 / KEC 340 4				W24FS-U	4038	0,6	IWF24	5380
339	cc	KEC 340 5				W27ESR-U	4045	0,6	IW27	5317
398	cc	KEC 400 1 KEC 400 2 / KEC 400 3				W24FS-U	4038	0,6	IWF24	5380
398	cc	KEC 400 4 / 21				W24FS-U	4038	0,6	IWF24	5380
400	cc	KEC 400 22				W27ESR-U	4045	0,6	IW27	5317
436	cc	KEC 440 1 / KEC 440 3 / KEC 440 4				W24FS-U	4038	0,6	IWF24	5380
436	cc	KEC 440 22	John Deere			W27ESR-U	4045	0,6	IW27	5317
436	cc	KEC 440 22	Mercury			W24ESR-U	4033	0,6	IW24	5316
437	cc	KEC 440 21				W24FS-U	4038	0,6	IWF24	5380
438	cc	KEC 440 5				W24ESR-U	4033	0,6	IW24	5316
CHAPARRAL (ZENOAH)										
250	cc	250				W24ES-U	4030	0,6	IW24	5316
292	cc	292 / 292SS				W24ES-U	4030	0,6	IW24	5316
295	cc	295				W24ES-U	4030	0,6	IW24	5316
340	cc	340 / 340SS				W27ES-U	4046	0,6	IW27	5317
400	cc	400 / SE	(L=19,0mm thread)			W27ES-U	4046	0,6	IW27	5317
400	cc	400 / SS	(L=12,7mm thread)			W24FS-U	4038	0,6	IWF24	5380
400	cc	440 / SS	(L=12,7mm thread)			W24FS-U	4038	0,6	IWF24	5380
440	cc	440 / SS	(L=19,0mm thread)			W27ES-U	4046	0,6	IW27	5317
EVINRUDE (OMC)										
399	cc	400 / 400S				SF-50	6001			
436	cc	440 / 440S				SF-50	6001			
646	cc	650 / 650S				SF-50	6001			
FINN CAT										
438	cc	60 : 276 R6				M24S	5004	0,6		
438	cc	60 : AB 50 A3				W27ES-U	4046	0,6	IW27	5317
HIRTH										
246	cc	81R / 82R				M14	5001	0,6		
250	cc	250 TWIN				W27ES-U	4046	0,6	IW27	5317
292	cc	193R / 56R				M22	5003	0,6		
292	cc	261R				W27ES-U	4046	0,6	IW27	5317
292	cc	261R3 / 261R4				W24ES-U	4030	0,6	IW24	5316









		KW			Standard			Alternative	
									
HIRTH continued									
300 cc	190 / 191R				M22	5003	0,6		
300 cc	52R / 53R / 54R / 55R				M22	5003	0,6		
317 cc	192R				M22	5003	0,6		
338 cc	194R				M22	5003	0,6		
338 cc	260R		(Ø 18mm thread)		M24S	5004	0,6		
338 cc	260R / 260R3 / 260R4		(Ø 14mm thread)		W27ES-U	4046	0,6	IWF27	5317
339 cc	271RO / R3 / R4 / 278R0 / 279R0				M24S	5004	0,6		
372 cc	160R / 200R				M22	5003	0,6		
399 cc	210R / 271R0 / R3 / R4				M24S	5004	0,6		
399 cc	277R0 / R3 / R4				M24S	5004	0,6		
438 cc	211R				M22	5003	0,6		
438 cc	270R				M24S	5004	0,6		
440 cc	273R / 276R0 / R3 / R4				M24S	5004	0,6		
493 cc	220R / 275R				M22	5003	0,6		
647 cc	231R				W24FS-U	4038	0,6	IWF24	5380
649 cc	280R				W24ES-U	4030	0,6	IWF24	5316
650 cc	172R				M22	5003	0,6		
650 cc	280R / RS		(Ø 14mm thread)		W27ES-U	4046	0,6	IWF27	5317
650 cc	281RO				W24ES-U	4030	0,6	IWF24	5316
793 cc	230R				W24FS-U	4038	0,6	IWF24	5380
HUSQVARNA									
147 cc	SM-150		(L=9.5mm thread)		W22M-US	6048	0,6		
147 cc	SM-150		(L=12.7mm thread)		W22FS-U	4025	0,6	IWF22	5379
157 cc	SM-160				W22MP-US	6049	0,6		
ITALJET									
50 cc	CX50R / PR50 / RX50				W24ES-U	4030	0,6	IWF24	5316
50 cc	JC5A / JC5B / JC5C / JC5D				W22FS-U	4025	0,6	IWF22	5379
50 cc	M5A / M5B / M5C / M5D / MM5A / MM5B				W22FS-U	4025	0,6	IWF22	5379
50 cc	SX50				W22FS-U	4025	0,6	IWF22	5379
50 cc	X50R				W24FS-U	4038	0,6	IWF24	5380
50 cc	X50S / KS50				W22FS-U	4025	0,6	IWF22	5379
JLO - ROCKWELL									
100 cc	L 99 (F100 - 1)				W20FP-U	3068	0,6		
148 cc	L 152				M17	5002	0,6		
192 cc	L 197				M17	5002	0,6		
223 cc	L 227 / L 230				M22	5003	0,6		
257 cc	L 252				M17	5002	0,6		
285 cc	2F 295 - 1 / 2				W27ES-U	4046	0,6	IWF27	5317
285 cc	2F 295 - 2				W24ES-U	4030	0,6	IWF24	5316
292 cc	L 295 / 70		(L=19.0mm thread)		W24ES-U	4030	0,6	IWF24	5316
292 cc	R 295				W24ES-U	4030	0,6	IWF24	5316
296 cc	L 297 / L 300				M22	5003	0,6		
337 cc	L 340 / 70		(L=12.7mm thread)		M22	5003	0,6		
337 cc	L 340 / 70		(L=19.0mm thread)		W24ES-U	4030	0,6	IWF24	5316
337 cc	R 340				W24ES-U	4030	0,6	IWF24	5316
339 cc	2F 340 - 3 / 5				W24ES-U	4030	0,6	IWF24	5316
339 cc	2F 340 - 6				W27ES-U	4046	0,6	IWF27	5317
339 cc	2F 340 - 6				W24ES-U	4030	0,6	IWF24	5316
339 cc	LR 340 / 2		(L=12.7mm thread)		M22	5003	0,6		
339 cc	LR 340 / 2		(L=19.0mm thread)		W24ES-U	4030	0,6	IWF24	5316
398 cc	2F 400 1 / 3 / 4 / 6 / 7 / 8				W24ES-U	4030	0,6	IWF24	5316
398 cc	L 399 2 / LR 399 2				W24ES-U	4030	0,6	IWF24	5316
428 cc	2F 440 3				W27ES-U	4046	0,6	IWF27	5317
434 cc	2F 440 2 / 5 / 6 / 7 / 8				W24ES-U	4030	0,6	IWF24	5316
434 cc	LR 440 2		(L=19.0mm thread)		W24ES-U	4030	0,6	IWF24	5316
594 cc	LB 600 2				M22	5003	0,6		
739 cc	L 760 2 / LR 76 2				M24S	5004	0,6		
JOHN DEERE									
290 cc	KEC 295 RS / 2				W31ES-U	4062	0,6	IWF31	5319
339 cc	EC 340 22 A / -B / -C		CDI ign.		W31ES-U	4062	0,6	IWF31	5319
339 cc	EC 340 22 A 2 / EC 340 5A		Magneto ign.		W24ES-U	4030	0,6	IWF24	5316
339 cc	EC 340 23ALC / -23BLC / EC 340 2 / 3LC				W31ES-U	4062	0,6	IWF31	5319
339 cc	EC 340 RS 2 / EC 340 RS 24LC				W31ES-U	4062	0,6	IWF31	5319
339 cc	TA340A / TA340A-D202 / F202				W24ESR-U	4033	0,6	IWF24	5316
339 cc	TB340A - A202 / C202				W24ESR-U	4033	0,6	IWF24	5316
436 cc	EC 440 22A		CDI ign.		W31ES-U	4062	0,6	IWF31	5319









		KW			Standard			Alternative	
									
JOHN DEERE <i>continued</i>									
436	cc EC 440 22A		Magneto ign.		W24ES-U	4030	0,6	IW24	5316
436	cc EC 440 22B /-C / -23 ALC/ -23BLC / EC 440 23LC				W31ES-U	4062	0,6	IW31	5319
436	cc TA440A - C202				W27ESR-U	4045	0,6	IW27	5317
436	cc TA440A - D202 / F202				W24ESR-U	4033	0,6	IW24	5316
436	cc TC440A / B - C202 / E202				W27ESR-U	4045	0,6	IW27	5317
KAWASAKI									
338	cc SST (SB340-A1)				W27ESR-U	4045	0,7	IW27	5317
339	cc ASTRO (SA340-A1)		(Standard)		W27ESR-U	4045	0,7	IW27	5317
339	cc ASTRO (SA340-A1)		(Light service = option)		W24ESR-U	4033	0,7	IW24	5316
339	cc DRIFTER				W24ES-U	4030	0,7	IW24	5316
339	cc DRIFTER FA				W24ESR-U	4033	0,7	IW24	5316
339	cc INVADER				W27ESR-U	4045	0,6	IW27	5317
339	cc INVITER				W24ESR-U	4033	0,7	IW24	5316
340	cc DRIFTER				W27ES-U	4046	0,7	IW27	5317
340	cc E10				W27ES-U	4046	0,7	IW27	5317
433	cc SST (SB440-A1)				W27ESR-U	4045	0,7	IW27	5317
436	cc ASTRO (SA440-A1)		(Standard)		W27ESR-U	4045	0,7	IW27	5317
436	cc ASTRO (SA440-A1)		(Light service = option)		W24ESR-U	4033	0,7	IW24	5316
436	cc DRIFTER				W27ES-U	4046	0,7	IW27	5317
436	cc INTRIGUER				W27ESR-U	4045	0,7	IW27	5317
436	cc INTRUDER				W27ES-U	4046	0,7	IW27	5317
436	cc INVADER LTD 4 / 6				W27ES-U	4046	0,7	IW27	5317
440	cc DRIFTER (SB440-A5)				W27ES-U	4046	0,6	IW27	5317
440	cc INTRUDER				W27ES-U	4046	0,7	IW27	5317
440	cc INTRUDER (ST440-A4)				W27ES-U	4046	0,7	IW27	5317
440	cc INVADER (SS440-43A)				W27ES-U	4046	0,7	IW27	5317
440	cc INVADER 440				W27ES-U	4046	0,6	IW27	5317
440	cc LTD				W27ES-U	4046	0,7	IW27	5317
440	cc LTD (SS440-B2)				W27ES-U	4046	0,7	IW27	5317
550	cc INTERCEPTOR				W27ESR-U	4045	0,7	IW27	5317
KOHLER									
220	cc K250 - 1AM				W27ESR-U	4045	0,6	IW27	5317
247	cc K250 - 2FA				W27ESR-U	4045	0,6	IW27	5317
290	cc K295 - 2SS / 2RS				W27ES-U	4046	0,6	IW27	5317
290	cc K295 - 2T				W27ESR-U	4045	0,6	IW27	5317
292	cc K295 - 2AX				W27ESR-U	4045	0,6	IW27	5317
292	cc K295 - 2AX / 2T		John Deere eng.		W24ESR-U	4033	0,6	IW24	5316
294	cc K295 - 1T				M22	5003	0,6		
309	cc K309 - 1T				M24S	5004	0,6		
335	cc K335 - 1T				M22	5003	0,6		
338	cc K340 - 2AX / -2FA				W27ESR-U	4045	0,6	IW27	5317
338	cc K340 - 2SS				W27ES-U	4046	0,6	IW27	5317
338	cc K340 - 2T				W24FSR	4037	0,6	IWF24	5380
398	cc K339 - 2AX				W27ESR-U	4045	0,6	IW27	5317
398	cc K339 - 2T				M22	5003	0,6		
398	cc RK399 - 2AX				W27ESR-U	4045	0,6	IW27	5317
398	cc RK399 - 2T				M24S	5004	0,6		
429	cc K440 - 2SS / 3RS		(L=12.7mm thread)		W27FS-U	4052	0,6	IWF27	5381
429	cc K440 - 2SS / 3RS		(L=19.0mm thread)		W27ES-U	4046	0,6	IW27	5317
436	cc SK440 - 2LC		Mag. Ignition		W27ESR-U	4045	0,6	IW27	5317
437	cc K440 - 2AX				W27ESR-U	4045	0,6	IW27	5317
437	cc K440 - 2T				M22	5003	0,6		
437	cc RK440 - 2T				M24S	5004	0,6		
539	cc K539 - 2				M24S	5004	0,6		
644	cc K181				W14-US	6033	0,6		
644	cc K645 - 3SS / 3RS		(L=12.7mm thread)		W27FS-U	4052	0,6	IWF27	5381
644	cc K645 - 3SS / 3RS		(L=19.0mm thread)		W27ES-U	4046	0,6	IW27	5317
LARVEN									
	730HVA - SM160B				W22MP-US	6049	0,6		
	7500 / 7700 / 8200 VALMET 160				W22MP-US	6049	0,6		
	8200 SPECIAL LENKO M175H				W22MP-US	6049	0,6		
	TURIST 690HVA - SM150B				W22MP-US	6049	0,6		
LYNX									
253	cc		Rotax eng.		W27ES-U	4046	0,6	IW27	5317
277	cc		Rotax eng.		W24ES-U	4030	0,6	IW24	5316
290	cc SA290		Sachs eng.		M22	5003	0,6		
340	cc K340		Kohler eng.		W24FSR	4037	0,6	IWF24	5380

		KW			Standard			Alternative	
									
LYNX continued									
340	cc K340		Kohler eng.		W27ES-U	4046	0,6	IW27	5317
340	cc SA2 - 340		Sachs eng.		W24ES-U	4030	0,6	IW24	5316
343	cc		Rotax eng.		W24FSR	4037	0,6	IWF24	5380
377	cc		Rotax eng.	> 97	W24ES-U	4030	0,6	IW24	5316
377	cc		Rotax eng.	98 >	W24ESR-U	4033	0,7	IW24	5316
440	cc K440		Kohler eng.		W27ES-U	4046	0,6	IW27	5317
440	cc SA2 - 440		Sachs eng.		W24ES-U	4030	0,6	IW24	5316
443	cc		Rotax eng.		M24S	5004	0,6		
503	cc		Rotax eng.	> 97	W24ES-U	4030	0,6	IW24	5316
503	cc		Rotax eng.	98 >	W24ESR-U	4033	0,7	IW24	5316
TRIOMAN			ILO eng.		W27ES-U	4046	0,6	IW27	5317
MAG - MOTOSACOCHE									
309	cc 1031 - SRB				M22	5003	0,6		
334	cc 1034 - SRB				M22	5003	0,6		
339	cc 2046 - SRB				M22	5003	0,6		
398	cc 2040 - SRB				M22	5003	0,6		
450	cc 2045 - SRB				M22	5003	0,6		
539	cc 2054 - SRB				M22	5003	0,6		
618	cc 2062 - SRB				M22	5003	0,6		
2034					W24ES-U	4030	0,6	IW24	5316
MASSEY - FERGUSON									
294	cc CHINROOK 300				W27ESR-U	4045	0,6	IW27	5317
339	cc WHIRLWIND 340				W27ESR-U	4045	0,6	IW27	5317
428	cc STROM 440				W24ESR-U	4033	0,6	IW24	5316
428	cc WHIRLWIND 440				W24ESR-U	4033	0,6	IW24	5316
MERCURY (HIRTH & CCW)									
338	cc MERCURY 340 S / R		(Standard)		W24ESR-U	4033	0,6	IW24	5316
338	cc MERCURY 340 S / R		(Light service = option)		W22ESR-U	3098	0,6		
399	cc MERCURY 220				W20FSR-U	6053	0,6		
438	cc MERCURY 440 S / R , M / X				W24ESR-U	4033	0,6	IW24	5316
439	cc MERCURY 250				W20FSR-U	6053	0,6		
644	cc HURRICANE				M24S	5004	0,6		
644	cc HURRICANE				SF-50	6001			
644	cc HURRICANE / MK I / II				SF-50	6001			
OCKELBO									
247	cc 280		Rotax eng.		M14	5001	0,6		
277	cc PORO		Rotax eng.		W24ES-U	4030	0,6	IW24	5316
290	cc 300 : SA290		Sachs eng.		M22	5003	0,6		
290	cc 600 : SA290		Sachs eng.		M22	5003	0,6		
290	cc TRIOMAN 20P / PJ : SA290		Sachs eng.		M22	5003	0,6		
340	cc 380		MAG eng.		W24ES-U	4030	0,6	IW24	5316
340	cc 600 : 2034 (K340)		MAG eng.		W27ES-U	4046	0,6	IW27	5317
340	cc 600 : K340		Kohler eng.		W27ES-U	4046	0,6	IW27	5317
377	cc 400		Rotax eng.		W24ES-U	4030	0,6	IW24	5316
377	cc 4000 / 5000 / 6000		Rotax eng.		W24ES-U	4030	0,6	IW24	5316
440	cc 600 : 2044 (K440)		MAG eng.		W27ES-U	4046	0,6	IW27	5317
440	cc 600 : K440		Kohler eng.		W27ES-U	4046	0,6	IW27	5317
440	cc 800 : K440		Kohler eng.		W27ES-U	4046	0,6	IW27	5317
440	cc TRIOMAN 35PSJ / VSJ : K440		Kohler eng.		W27ES-U	4046	0,6	IW27	5317
447	cc 5000 / 6000		Rotax eng.		W24ES-U	4030	0,6	IW24	5316
503	cc 600 / 800		Rotax eng.		W24ES-U	4030	0,6	IW24	5316
503	cc 6000 / 8000		Rotax eng.		W24ES-U	4030	0,6	IW24	5316
TRIOMAN			ILO eng. (L=19.0mm thread)		W24ES-U	4030	0,6	IW24	5316
OMC									
362	cc M215		Johnson-Evinrude		W14-US	6033	0,6		
399	cc 225 / M225C / M226E / M228		Johnson-Evinrude		W14-US	6033	0,6		
399	cc M232 / M232E		Johnson-Evinrude		W24S-U	4040	0,6		
399	cc M235 / M237		Johnson-Evinrude		W24S-U	4040	0,6		
399	cc M242		Johnson-Evinrude		SF-10	6000			
437	cc M226W / M231W / M231E		Johnson-Evinrude		W14-US	6033	0,6		
437	cc M227		Johnson-Evinrude		W24S-U	4040	0,6		
437	cc M229E / M229W / M230 / M230E		Johnson-Evinrude		W24S-U	4040	0,6		
437	cc M233 / M233E / M234E / M236		Johnson-Evinrude		W24S-U	4040	0,6		
437	cc M238 / M239E / M241E / M245		Johnson-Evinrude		W24S-U	4040	0,6		
437	cc M273		Johnson-Evinrude		SF-10	6000			
646	cc M244		Johnson-Evinrude		SF-10	6000			
ONTARIO									
340	cc SUPER SHARK 340				W24ESR-U	4033	0,6	IW24	5316

		KW			Standard			Alternative	
									
ONTARIO <i>continued</i>									
400	cc SHARK 400				W24ESR-U	4033	0,6	IW24	5316
440	cc SHARK 440				W24ESR-U	4033	0,6	IW24	5316
440	cc SUPER SHARK 440				W24ESR-U	4033	0,6	IW24	5316
POLARIS									
121	cc 120 PRO X				W20ESR-U	3057	0,7	IW20	5306
164	cc EC16P				W20ESR-U	3057	0,6		
175	cc EC17P / PM				W22ESR-U	3098	0,6		
244	cc EC25P/ PS - 1				W24ESR-U	4033	0,6	IW24	5316
244	cc EC25PM - 01				W24ESR-U	4033	0,6	IW24	5316
244	cc EC25PS				W24ESR-U	4033	0,6	IW24	5316
244	cc EC25PS - 05 / 06				W24ESR-U	4033	0,6	IW24	5316
244	cc GEMINI 244				W24ES-U	4030	0,6	IW24	5316
244	cc GIMINI STAR				W24ESR-U	4033	0,6	IW24	5316
244	cc STAR TRAK				W24ESR-U	4033	0,6	IW24	5316
244	cc STARLITE				W27ESR-U	4045	0,6	IW27	5317
249	cc EC25PC / EC25PL				W27ESR-U	4045	0,6	IW27	5317
249	cc EC25PT - 05				W27ES-U	4046	0,6	IW27	5317
249	cc EC25PT - 06				W27ESR-U	4045	0,6	IW27	5317
249	cc EC25PT - 07				W27ESR-U	4045	0,6	IW27	5317
250	cc TX		Fuji eng.		W27ES-U	4046	0,6	IW27	5317
294	cc EC29P / PM				W22ESR-U	3098	0,6		
294	cc EC29PF				W24ESR-U	4033	0,6	IW24	5316
294	cc EC29PR				W27ES-U	4046	0,6	IW27	5317
294	cc EC29PS				W24ESR-U	4033	0,6	IW24	5316
333	cc EC34PL - 01				W27ESR-U	4045	0,6	IW27	5317
333	cc EC34PL - 02				W27ESR-U	4045	0,6	IW27	5317
333	cc EC34PL - 03				W27ESR-U	4045	0,6	IW27	5317
333	cc EC34PL - 04 / -05				W27ES-U	4046	0,6	IW27	5317
333	cc EC34PM - 03				W24ESR-U	4033	0,6	IW24	5316
333	cc EC34PM - 03 / -04				W27ESR-U	4045	0,6	IW27	5317
333	cc EC34PM-04				W27ESR-U	4045	0,6	IW27	5317
335	cc EC34P / PM				W22ESR-U	3098	0,6		
335	cc EC34PF / PC				W24ESR-U	4033	0,6	IW24	5316
336	cc EC34PR				W27ES-U	4046	0,6	IW27	5317
336	cc EC34PS / PT				W27ESR-U	4045	0,6	IW27	5317
336	cc EC34PT - 05 / 07				W27ESR-U	4045	0,6	IW27	5317
336	cc EC34PT - 06				W27ES-U	4046	0,6	IW27	5317
339	cc EC34 - 2PM				W27ESR-U	4045	0,6	IW27	5317
339	cc EC34PQ				W24ESR-U	4033	0,6	IW24	5316
339	cc INDY SPORT GT / LITE				W27ESR-U	4045	0,6	IW27	5317
339	cc SPRINT E / S				W24ES-U	4030	0,6	IW24	5316
340	cc APOLLO 340				W24ES-U	4030	0,6	IW24	5316
340	cc COBRA 340				W27ES-U	4046	0,6	IW27	5317
340	cc COUTLASS 340				W24ES-U	4030	0,6	IW24	5316
340	cc 340 EDGE			07 >	W24ESR-U	4033	0,6	IW24	5316
340	cc GALAXY 340				W27ES-U	4046	0,6	IW27	5317
340	cc TX		Fuji eng.		W27ES-U	4046	0,6	IW27	5317
340	cc TXL-INDY: EC34PL - 05				W27ES-U	4046	0,6	IW27	5317
372	cc EC37P				W22ESR-U	3098	0,6		
396	cc EC39PF				W24ESR-U	4033	0,6	IW24	5316
398	cc EC40P / EC40PM				W22ESR-U	3098	0,6		
398	cc EC40PF				W24ESR-U	4033	0,6	IW24	5316
398	cc EC40PL - 02				W27ESR-U	4045	0,6	IW27	5317
398	cc EC40PS				W27ESR-U	4045	0,6	IW27	5317
398	cc INDY 400				W27ESR-U	4045	0,6	IW27	5317
398	cc INDY 400: EC40PL - 02				W27ES-U	4046	0,6	IW27	5317
399	cc EDGE 340 TOURING				W24ESR-U	4033	0,7	IW24	5316
432	cc EC44 - 2PM - 500 / 1100 / 2100 / 3100				W27ESR-U	4045	0,6	IW27	5317
432	cc EC44 - 2PM - 5000 / 5100				W27ESR-U	4045	0,6	IW27	5317
432	cc EC44PM - 01 / 02 / 03				W24ESR-U	4033	0,6	IW24	5316
432	cc EC44PQ				W24ESR-U	4033	0,6	IW24	5316
432	cc EC44PS / EC44PT				W27ES-U	4046	0,6	IW27	5317
432	cc EC44PT - 05				W27ESR-U	4045	0,6	IW27	5317
432	cc INDY 440, XCR				W27ESR-U	4045	0,6	IW27	5317
432	cc INDY SPORT 440 GT				W27ESR-U	4045	0,6	IW27	5317
432	cc LONGTRAIL				W27ESR-U	4045	0,6	IW27	5317
436	cc EC44P / PM				W22ESR-U	3098	0,6		
439	cc EC43PF				W24ESR-U	4033	0,6	IW24	5316

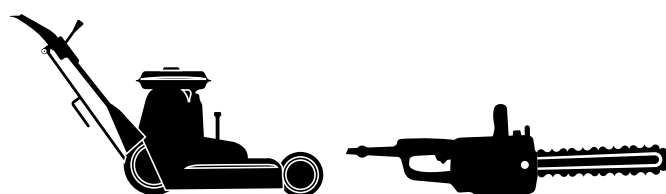
		KW			Standard			Alternative	
									
POLARIS <i>continued</i>									
439	cc EC43PR				W27ES-U	4046	0,6	IW27	5317
440	cc COBRA 440				W24ES-U	4030	0,6	IW24	5316
440	cc GALAXY 440				W24ES-U	4030	0,6	IW24	5316
440	cc TX		Fuji eng.		W27ES-U	4046	0,6	IW27	5317
488	cc 500 WIDE TRAK				W24ESR-U	4033	0,6	IW24	5316
488	cc CENTURION 500				W27ES-U	4046	0,6	IW27	5317
488	cc EC50P				W22ESR-U	3098	0,6		
488	cc EC50PM				W27ESR-U	4045	0,6	IW27	5317
488	cc INDY 500 / SUPER TRAK				W27ESR-U	4045	0,6	IW27	5317
488	cc INDY CLASSIC				W27ESR-U	4045	0,6	IW27	5317
500	cc EC51PL - 01 / 02				W27ESR-U	4045	0,6	IW27	5317
500	cc EC51PS				W27ESR-U	4045	0,6	IW27	5317
500	cc EC51PT				W27ESR-U	4045	0,6	IW27	5317
500	cc INDY 500: EC51PL - 02				W27ESR-U	4045	0,6	IW27	5317
500	cc WIDETRAX LX				W24ESR-U	4033	0,7	IW24	5316
500	cc 500 XC SP			06 >			0,6	IW29	
530	cc EC54P / EC54PM				W24ES-U	4030	0,6	IW24	5316
530	cc EC60PL - 01				W27ESR-U	4045	0,6	IW27	5317
544	cc 550 EDGE			07 >	W27ESR-U	4045	0,6	IW27	5317
544	cc SUPERPORT EDGE			07 >	W27ESR-U	4045	0,6	IW27	5317
544	cc TRAIL RMK			06 >	W27ESR-U	4045	0,6	IW27	5317
544	cc TRAIL TOURING				W27ESR-U	4045	0,7	IW27	5317
744	cc EC74P				W22ES-U	3093	0,6		
750	cc 600 HO IQ						0,6	IW29	5318
750	cc FST SWITCHBACK		Turbo	06 >	PK22PR8	3273	0,8		
750	cc WIDETRAX IQ	60.0			Q22PR-U	3010	0,8	IQ22	5313
780	cc FRONTIER				K16PR-U	3139	0,8	IK16	5303
792	cc EC80P				W22ES-U	3093	0,6		
794	cc 800 RMK						0,8	IW29	5318
794	cc 800 SWITCHBACK				W27ESR-U	4045	0,7	IW27	5317
794	cc 900 RMK						0,8	IW29	5318
	COLT				W24ES-U	4030	0,6	IW24	5316
	COLT SS				W27ES-U	4046	0,6	IW27	5317
	COUTLASS SS				W27ES-U	4046	0,6	IW27	5317
	INDY CROSS COUNTRY: EC34PL - 05				W27ES-U	4046	0,6	IW27	5317
	INDY TRAIL: EC44 - 2PM				W27ES-U	4046	0,6	IW27	5317
	LONG TRACK: EC44 - 2PM - 5000				W27ES-U	4046	0,6	IW27	5317
	SPORT: EC44 - 2PM - 5100				W27ES-U	4046	0,6	IW27	5317
	SS: EC44 - 2PM - 3100				W27ES-U	4046	0,6	IW27	5317
	STAR : EC25PS / -05				W24ES-U	4030	0,6	IW24	5316
	STAR LT : EC25PS - 05				W27ES-U	4046	0,6	IW27	5317
RAJD									
247	cc		Rotax eng.		M14	5001	0,6		
250	cc K250		Kohler eng.		W24ES-U	4030	0,6	IW24	5316
290	cc SA290		Sachs eng.		M22	5003	0,6		
295	cc K395 - IT		Kohler eng.		M22	5003	0,6		
340	cc 2034		MAG eng.		W24ES-U	4030	0,6	IW24	5316
340	cc K340		Kohler eng. (L=12.7mm thread)		W24FSR	4037	0,6	IWF24	5380
340	cc K340		Kohler eng. (L=19.0mm thread)		W27ES-U	4046	0,6	IW27	5317
ROLL-O-FLEX (YAMAHA)									
292	cc 292S						0,6	IW27	5317
292	cc 292Y				W24ES-U	4030	0,6	IW24	5316
338	cc 338S						0,6	IW27	5317
338	cc 338Y				W22FS-U	4025	0,6	IWF22	5379
396	cc 396Y				W22FS-U	4025	0,6	IWF22	5379
433	cc 433S						0,6	IW27	5317
433	cc 433Y				W22FS-U	4025	0,6	IWF22	5379
RUPP (KOHLER)									
295	cc TR - 295 / SPORT		Tohatsu eng.		W24FSR	4037	0,6	IWF24	5380
295	cc TR - 295S		Tohatsu eng.		W27FS-U	4052	0,6	IWF27	5381
340	cc G34B		Tohatsu eng.		W24ESR-U	4033	0,6	IW24	5316
340	cc TR		Tohatsu eng.		W24FSR	4037	0,6	IWF24	5380
340	cc TR - 340S		Tohatsu eng.		W27FS-U	4052	0,6	IWF27	5381
400	cc TR - 400S		Tohatsu eng.		W27FS-U	4052	0,6	IWF27	5381
400	cc TR - 400S SLOW SPEED		Tohatsu eng.		W24FSR	4037	0,6	IWF24	5380
440	cc MAGNUM		Tohatsu eng.		W24ESR-U	4033	0,6	IW24	5316
440	cc TR		Tohatsu eng.		W22FSR	4024	0,6	IWF22	5379
440	cc TR440 - 2 / TR440S - 2		Tohatsu eng.		W27FS-U	4052	0,6	IWF27	5381








		KW			Standard			Alternative	
									
RUPP (KOHLER) continued									
All CDI Systems					SF-50	6001			
12.7mm reach, CDI ignition					SF-10	6000			
SACHS									
277	cc SA280 / SA280A				M22	5003	0,6		
291	cc SA2 - 290		(L=12.7mm thread)		W24FS-U	4038	0,6	IWF24	5380
291	cc SA2 - 290		(L=19.0mm thread)		W24ES-U	4030	0,6	IWF24	5316
293	cc SA290C				W24FS-U	4038	0,6	IWF24	5380
293	cc SA290R / SS				W27FS-U	4052	0,6	IWF27	5381
295	cc KM24		Wankel eng. (L=12.7mm thread)		W22FS-U	4025	0,6	IWF22	5379
295	cc KM24		Wankel eng. (L=19.0mm thread)		W22ES-U	3093	0,6		
300	cc KM914		Wankel eng.		W22FS-U	4025	0,6	IWF22	5379
318	cc SA320				M22	5003	0,6		
334	cc SA340C / R				W27FS-U	4052	0,6	IWF27	5381
336	cc SA340				M22	5003	0,6		
336	cc SA340SS				M24S	5004	0,6		
338	cc SA2 - 340		(L=12.7mm thread)		W24FS-U	4038	0,6	IWF24	5380
338	cc SA2 - 340		(L=19.0mm thread)		W24ES-U	4030	0,6	IWF24	5316
338	cc SA2 - 340RX				W27ES-U	4046	0,6	IWF27	5317
339	cc SA2 - 340 / SA2 - 340C				W27ES-U	4046	0,6	IWF27	5317
368	cc SA370				M22	5003	0,6		
396	cc SA400				M24S	5004	0,6		
437	cc SA2 - 440 / SA2 - 440 C		(L=12.7mm thread)		W27FS-U	4052	0,6	IWF27	5381
437	cc SA2 - 440 / SA2 - 440 C		(L=19.0mm thread)		W27ES-U	4046	0,6	IWF27	5317
437	cc SA2 - 440RX / SA2 - 441				W27ES-U	4046	0,6	IWF27	5317
647	cc SA3 - 650RX				W27ES-U	4046	0,6	IWF27	5317
736	cc SA2 - 740				M22	5003	0,6		
736	cc SA2 - 740C				M24S	5004	0,6		
SCORPION (CUYUNA)									
295	cc LI'L WHIP				W22ESR-U	3098	0,6		
295	cc LI'L WHIP				W27ESR-U	4045	0,6	IWF27	5317
340	cc 340 TK				W22ESR-U	3098	0,6		
340	cc WHIP		(Standard)		W24ESR-U	4033	0,6	IWF24	5316
340	cc WHIP		(Severe Service = option)		W27ESR-U	4045	0,6	IWF27	5317
400	cc RANGE WHIP				W24ESR-U	4033	0,6	IWF24	5316
400	cc STING				W24ESR-U	4033	0,6	IWF24	5316
440	cc 440 TK				W24ESR-U	4033	0,6	IWF24	5316
440	cc RANGE WHIP STING / TK				W24ESR-U	4033	0,6	IWF24	5316
440	cc SIDEWINDER				W27ESR-U	4045	0,6	IWF27	5317
440	cc STING				W24ESR-U	4033	0,6	IWF24	5316
440	cc WHIP / TK / TKX				W24ESR-U	4033	0,6	IWF24	5316
SINUS									
277	cc 280		Rotax eng.		W24ES-U	4030	0,6	IWF24	5316
447	cc 440		Rotax eng.		W24ES-U	4030	0,6	IWF24	5316
SKI - DOO > BOMBARDIER									
SKIROULE									
300	cc SCRAMB KB 300				W27ESR-U	4045	0,6	IWF27	5317
300	cc SCRAMB KS 300				W27ESR-U	4045	0,6	IWF27	5317
SNO JET									
292	cc S 292				W24ESR-U	4033	0,6	IWF24	5316
292	cc Y 292				W24ESR-U	4033	0,6	IWF24	5316
295	cc Y 295				W24ESR-U	4033	0,6	IWF24	5316
338	cc S 338				W24ESR-U	4033	0,6	IWF24	5316
340	cc ASTRO 340		Kawasaki eng.		W24ESR-U	4033	0,7	IWF24	5316
340	cc SX 340				W27ES-U	4046	0,6	IWF27	5317
340	cc Y 340				W22FSR	4024	0,6	IWF22	5379
433	cc S 433			75			0,6	IWF24	5316
433	cc S 433			76			0,6	IWF27	5317
433	cc S 433 E				W27ES-U	4046	0,6	IWF27	5317
433	cc Y 433				W22FSR	4024	0,6	IWF22	5379
440	cc ASTRO 440		Kawasaki eng.		W24ESR-U	4033	0,7	IWF24	5316
440	cc SX 440				W27ES-U	4046	0,6	IWF27	5317
440	cc Y 440				W22FSR	4024	0,6	IWF22	5379
SNO RUNNER									
134	cc 6000SR / 6001SR				W14F-U	4012	0,6		
134	cc 6002SR / 6003SR				W20FSR-U	6053	0,6		
134	cc CHRYSLER 82030				W20FSR-U	6053	0,6		
SOLO									
180	cc 206				W22FSR	4024	0,6	IWF22	5379

		KW			Standard			Alternative	
									
SOLO <i>continued</i>									
220	cc 209				W22FSR	4024	0,6	IWF22	5379
340	cc 216				W24FSR	4037	0,6	IWF24	5380
440	cc 217				W24FSR	4037	0,6	IWF24	5380
SPORTCRAFT									
134	cc		Chrysler 82017		W20FSR-U	6053	0,6		
SUZUKI									
292	cc NOMAD 292				W24FSR	4037	0,6	IWF24	5380
336	cc NOMAD 340				W24FSR	4037	0,6	IWF24	5380
359	cc 360 (SM 10)				W24FSR	4037	0,6	IWF24	5380
395	cc SM 20		Hop up kit		W24ES-U	4030	0,6	IW24	5316
395	cc XR 400 / 400				W24FSR	4037	0,6	IWF24	5380
432	cc XR 440				W22FSR	4024	0,6	IWF22	5379
433	cc SM 440 M				W27ES-U	4046	0,6	IW27	5317
WINHA									
290	cc SA 290		Sachs eng.		M22	5003	0,6		
295	cc K 295 - 1		Kohler eng.		M22	5003	0,6		
340	cc 2034 (K340)		MAG eng. (L=12.7mm thread)		W24FSR	4037	0,6	IWF24	5380
340	cc 2034 (K340)		MAG eng. (L=19.0mm thread)		W27ES-U	4046	0,6	IW27	5317
340	cc K 340 - 2A		Kohler eng.		W27ES-U	4046	0,6	IW27	5317
343	cc		Rotax eng.		W24FSR	4037	0,6	IWF24	5380
440	cc		Rotax eng.		M24S	5004	0,6		
440	cc K 440		Kohler eng.		W27ES-U	4046	0,6	IW27	5317
503	cc		Rotax eng.		W24ES-U	4030	0,6	IW24	5316
	1031		MAG eng.		M22	5003	0,6		
YAMAHA									
80	cc SNOSCOOT				W24FSR	4037	0,8	IWF24	5380
80	cc SV 80 M / SV 80 EM				W24FSR	4037	0,8	IWF24	5380
123	cc SNOWSPORT				W24FSR	4037	0,8	IWF24	5380
246	cc BR 250 / F / T				W24FSR	4037	0,8	IWF24	5380
246	cc BR 250 F / BR 250 G / BR 250 H				W24FSR	4037	0,8	IWF24	5380
246	cc BR 250 J / BR 250 K / BR 250 TJ				W24FSR	4037	0,8	IWF24	5380
246	cc BR 250 TK / BR 250 TSK / BR 250 TST				W24FSR	4037	0,8	IWF24	5380
246	cc BR250M / BR250TM				W24FSR	4037	0,8	IWF24	5380
246	cc BRAVO (LONG TRACK)				W24ESR-U	4033	0,8	IW24	5316
246	cc BRAVO LT / TS				W24FSR	4037	0,8	IWF24	5380
246	cc ET 250 A				W22FSR	4024	0,8	IWF22	5379
246	cc ET 250 B				W27FS-U	4052	0,8	IWF27	5381
246	cc ET 250 C / ET 250 D / ET 250 E				W24FSR	4037	0,8	IWF24	5380
246	cc GP 246 F				W22FSR	4024	0,8	IWF22	5379
250	cc ET 250 / T				W24FSR	4037	0,7	IWF24	5380
292	cc GP 292 / B				W27ES-U	4046	0,7	IW27	5317
292	cc GP 292 / S2				W27ESR-U	4045	0,7	IW27	5317
292	cc GP 300				W27ESR-U	4045	0,7	IW27	5317
292	cc GS 300 / GS 300 A				W20ESR-U	3057	0,7		
292	cc SL 292 / SM 292 F				W22ESR-U	3098	0,7		
294	cc CF 300 K / ET 300 C / ET 300 D				W27ESR-U	4045	0,7	IW27	5317
294	cc CF 300 M				W24ESR-U	4033	0,7	IW24	5316
294	cc ET 300 E / ET 300 G / ET 300 H				W27ESR-U	4045	0,7	IW27	5317
294	cc INVITER				W27ESR-U	4045	0,7	IW27	5317
300	cc ET 300				W27ES-U	4046	0,7	IW27	5317
300	cc SL 300 / B / C / D				W22ES-U	3093	0,7		
300	cc SM 300 / B / C / D				W22ES-U	3093	0,7		
337	cc EC 340 K / EY 340 K / ET 340 TK				W27ESR-U	4045	0,7	IW27	5317
337	cc EC 340 TRK				W27ESR-U	4045	0,7	IW27	5317
337	cc OVATION CS 340				W27ESR-U	4045	0,7	IW27	5317
338	cc EC 340 E / EC 340 GS / EC 340 H				W27ESR-U	4045	0,7	IW27	5317
338	cc EC 340 J / EC 340 M				W27ESR-U	4045	0,7	IW27	5317
338	cc ET 340 B / ET 340 C / ET 340 EC				W27ESR-U	4045	0,7	IW27	5317
338	cc ET 340 D / ET 340 ED / ET 340 E				W27ESR-U	4045	0,7	IW27	5317
338	cc ET 340 F / ET 340 G / ET 340 TG				W27ESR-U	4045	0,7	IW27	5317
338	cc ET 340 H / ET 340 TE / ET 340 TF				W27ESR-U	4045	0,7	IW27	5317
338	cc ET 340 J / ET 340 TJ				W27ESR-U	4045	0,7	IW27	5317
338	cc ET 340 M / ET 340 TM / ET 340 TRM				W27ESR-U	4045	0,7	IW27	5317
338	cc EX 340 / EX 340 A / SRX 340 / S 340F				W27ESR-U	4045	0,7	IW27	5317
338	cc GP 338 / B / F				W27ES-U	4046	0,7	IW27	5317
338	cc GS 340 / GS 340A				W22FSR	4024	0,7	IWF22	5379
338	cc GS 340C				W22FSR	4024	0,7	IWF22	5379
338	cc PX 338 F				W27ESR-U	4045	0,7	IW27	5317



		KW			Standard			Alternative	
YAMAHA <i>continued</i>									
338	cc SL				W22FSR	4024	0,7	IWF22	5379
338	cc SS 338 / GP				W27ESR-U	4045	0,7	IW27	5317
340	cc ET 340 / T / T-R				W27ES-U	4046	0,7	IW27	5317
340	cc ET 340 P				W27ES-U	4046	0,7	IW27	5317
340	cc SM 340 A / WC				W24FSR	4037	0,7	IWF24	5380
348	cc SL 350 / SL 352				W24FSR	4037	0,7	IWF24	5380
396	cc GP 396 / SL 396 / SW 396				W24FSR	4037	0,7	IWF24	5380
396	cc SS 396				W27ESR-U	4045	0,7	IW27	5317
400	cc SW 400 / C / D				W22FSR	4024	0,7	IWF22	5379
400	cc SW 400 B				W24FSR	4037	0,7	IWF24	5380
408	cc ENTICER LTR ET400				W27ESR-U	4045	0,7	IW27	5317
433	cc EX 440 / EX 440 A / SRX 440				W27ESR-U	4045	0,5	IW27	5317
433	cc EX 440 D / EX 440 E				W27ESR-U	4045	0,5	IW27	5317
433	cc EX440B / EX440C				W27ESR-U	4045	0,5	IW27	5317
433	cc GP 433 / B / F				W27ES-U	4046	0,5	IW27	5317
433	cc GP 433 / SR / SS				W27ESR-U	4045	0,5	IW27	5317
433	cc GP 440 / GP 440 A / PR 440				W27ESR-U	4045	0,5	IW27	5317
433	cc GPX 433 F				W27ESR-U	4045	0,5	IW27	5317
433	cc SRX 440 A / SRX 440 B / S 440 F				W27ESR-U	4045	0,5	IW27	5317
433	cc SS 433				W27ES-U	4046	0,5	IW27	5317
433	cc SW 433 / SL / EW / EL / TL / TW				W22FSR	4024	0,5	IWF22	5379
437	cc SR 437 E				W27ESR-U	4045	0,5	IW27	5317
437	cc SRX 440 E / SR 440 G				W27ESR-U	4045	0,5	IW27	5317
437	cc SS 440 D / SS 440 E / SS 440 F				W27ESR-U	4045	0,5	IW27	5317
439	cc SRX 440 C / SRX 440 D				W27ESR-U	4045	0,5	IW27	5317
440	cc EX 440 / A / B / C / D / E				W27ES-U	4046	0,5	IW27	5317
440	cc GP 440 / A / B				W27ES-U	4046	0,5	IW27	5317
440	cc SRX 440 / A / B / C / D				W27ES-U	4046	0,5	IW27	5317
440	cc SS 440 / D / E / F				W27ES-U	4046	0,5	IW27	5317
480	cc PZ 480 H / PZ 480 J / PZ 480 EJ				W27ESR-U	4045	0,5	IW27	5317
480	cc PZ48 / PHAZER				W27ES-U	4046	0,5	IW27	5317
485	cc PHAZER DELUXE				W27ESR-U	4045	0,7	IW27	5317
485	cc PZ 480 EK / PZ 480 K				W27ESR-U	4045	0,7	IW27	5317
485	cc PZ 480 M / PZ 480 EM				W27ESR-U	4045	0,7	IW27	5317
485	cc VENTURE LT / XL / GT				W27ESR-U	4045	0,7	IW27	5317
500	cc SRX 500 F				W27ESR-U	4045	0,6	IW27	5317
535	cc EXCEL - V / XL 540 J / XL 540 K				W27ESR-U	4045	0,6	IW27	5317
535	cc SR 540 E / SR 540 F / SR 540 G				W27ESR-U	4045	0,6	IW27	5317
535	cc SR 540 K / SR 540 H / SR 540 J / SR 540 K				W27ESR-U	4045	0,6	IW27	5317
535	cc SR 540 M / VK 540 M / XK 540 M				W27ESR-U	4045	0,6	IW27	5317
535	cc VMX 540 G / VMX 540 H / VMX 540 K				W27ESR-U	4045	0,6	IW27	5317
535	cc XLV / SRV / VK 540				W27ESR-U	4045	0,6	IW27	5317
540	cc EC 540				W27ES-U	4046	0,6	IW27	5317
540	cc SR 540 / E / F				W27ES-U	4046	0,6	IW27	5317
540	cc V - MAX / VMX 540 H				W27ES-U	4046	0,6	IW27	5317
540	cc XL 540				W27ES-U	4046	0,6	IW27	5317
545	cc EC 5400				W27ESR-U	4045	0,6	IW27	5317
569	cc EXCITER DELUXE ES 570				W27ESR-U	4045	0,6	IW27	5317
600	cc SRX 600		(Standard)				0,7	IW27	5317
600	cc SRX 600		(Fast driving = option)				0,7	IW31	5319
643	cc GP 643 B / EW				W24ES-U	4030	0,6	IW24	5316
643	cc SR 643				W27ESR-U	4045	0,6	IW27	5317
700	cc SRX 700		(Standard)				0,7	IW27	5317
700	cc SRX 700		(Fast driving = option)				0,7	IW31	5319
700	cc SX 700 VIPER / VENOM						0,7	IW27	5317
743	cc V - MAX -4				W27ESR-U	4045	0,7	IW27	5317
970	cc RS RAGE / VENTURE			04 >	U24ESR-N	4126	0,7	IU24	5362
970	cc RS VECTOR / ER / GT / MOUNTAIN			04 >	U24ESR-N	4126	0,7	IU24	5362
1000	cc RX-1 / ER / WARRIOR / MOUNTAIN			01 >			0,9	IU27D	5390









DENSO Small Engine











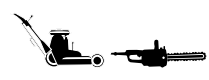







				KW	HP	Standard			Alternative	
										
ACME										
Mowers	ALN215 / ALN290 / ALN290 WB / ALN330 WB					W16FP-U	4019	0,7	W16FPR-U	4192
Mowers	AT220 / AT220B / AT330					W16FP-U	4019	0,7	W16FPR-U	4192
Power Equipment	A180 / A180B / A220 OHV / A 230 B					W16FP-U	4019	0,7	W16FPR-U	4192
Power Equipment	A 220 B		220 cc			W14F-U	4012	0,7	W14FR-U	4017
Power Equipment	A 349 / A 360							0,7	W14FPR-U	4184
Power Equipment	ACT280		275 cc	6.6	9.0			0,8	Q16PR-U	3137
Power Equipment	ACT340		338 cc	8.1	11.0			0,8	Q16PR-U	3137
Power Equipment	AL65 / AL70 / AL75					W16FS-U	3034	0,5	W16FSR	3033
Power Equipment	AL480 / AL480 WB / AL550 / AL550 WB					W16FP-U	4019	0,7	W16FPR-U	4192
Power Equipment	AL550WP					M14	5001	0,6		
Power Equipment	FE82		Gasoline			L14-U	5000	0,6	L14R-U	5049
Power Equipment	VT88 / VT94					W16FP-U	4019	0,7	W16FPR-U	4192
Power Equipment		(Ø 14mm thread)	Kerosene			W16FS-U	3034	0,8	W16FSR	3033
Power Equipment		(Ø 18mm thread)	Kerosene			M14	5001	0,8		
Power Equipment		(Ø 14mm thread)	Gasoline			W16FS-U	3034	0,8	W16FSR	3033
Power Equipment		(Ø 18mm thread)	Gasoline			L14-U	5000	0,8	L14R-U	5049
AGRIA										
Brushcutters	0300		Rotax Engine			M14	5001	0,5		
Brushcutters	3400	2-Stroke	Rotax Engine			W16FS-U	3034	0,6	W16FSR	3033
Brushcutters	3400	4-Stroke	MAG Engine			W16FS-U	3034	0,6	W16FSR	3033
Brushcutters	5100		Kawasaki Engine			W20M-US	6036	0,5	W20MR-U	6025
Brushcutters	5200		B & S Engine			W9LM-US	6057	0,5	W9LMR-US	6071
Brushcutters	5300		B & S Engine			W9LM-US	6057	0,5	W9LMR-US	6071
Brushcutters	5400		Rotax Engine			M14	5001	0,5		
Brushcutters	5500	2-Stroke	Rotax Engine			W16FS-U	3034	0,5	W16FSR	3033
Brushcutters	5500	4-Stroke	Rotax Engine			M14	5001	0,5		
Brushcutters	IT 25		Kawasaki Engine			W22M-US	6048	0,5		
Brushcutters	IT 35 / 45 / 48					W22M-US	6048	0,5		
Cultivators	0400		B & S Engine	2.6	3.5	W9LM-US	6057	0,6	W9LMR-US	6071
Cultivators	5200		B & S Engine			W9LM-US	6057	0,5	W9LMR-US	6071
Cultivators	5300		B & S Engine			W9LM-US	6057	0,5	W9LMR-US	6071
Motor Cultivators	0200	2-Stroke	F & S Engine			W16FS-U	3034	0,5	W16FSR	3033
Motor Cultivators	0200	4-Stroke	B & S Engine			W9LM-US	6057	0,5	W9LMR-US	6071
Motor Cultivators	0500		Kawasaki Engine			W14LM-US	6035	0,5	W14LMR-US	6072
Motor Cultivators	100 - 3		B & S Engine			W9LM-US	6057	0,5	W9LMR-US	6071
Motor Cultivators	100 - 4		B & S Engine			W9LM-US	6057	0,5	W9LMR-US	6071
Motor Cultivators	100 - 5		B & S Engine			W9LM-US	6057	0,5	W9LMR-US	6071
Motor Cultivators	1000 - 4		B & S Engine			W9LM-US	6057	0,5	W9LMR-US	6071
Motor Cultivators	2100			3.3	4.5	M14	5001	0,5		
Motor Cultivators	3000			3.3	4.5	M14	5001	0,5		
Motor Cultivators	3001	Minsel				W20FS-U	3073	0,7	W20FSR-U	6053
Motor Cultivators	3100	4-Stroke	B & S Engine			W9LM-US	6057	0,5	W9LMR-US	6071
Motor Cultivators	3100 (L101)	2-Stroke	JLO Engine		4.5	W14LM-US	6035	0,5	W14LMR-US	6072
Motor Cultivators	6000			4.8	6.5	M14	5001	0,5		
Mowers	5200R		Aspera Engine	2.6	3.5	W14LM-US	6035	0,5	W14LMR-US	6072
Mowers	5200R		F & S Engine	2.6	3.5	W16FS-U	3034	0,5	W16FSR	3033
Mowers	5200R		Hirth Engine	2.6	3.5	M22	5003	0,5		
Mowers	SW 519 / 521 / 621		Iseki / Kawasaki Engines			W16EP-U	3018	0,6	W16EPR-U	3021
Snowthrowers	7200 - 11		B & S Engine	9.2	12.5	W9LM-US	6057	0,5	W9LMR-US	6071
Snowthrowers	7200 - 2		Tecumseh Engine	1.5	2.0			0,5	W16PR-U	3037
Snowthrowers	7200 - 8		B & S Engine	5.9	8.0	W9LM-US	6057	0,5	W9LMR-US	6071
Tractors	2400	2-Stroke	JLO Engine			W16FS-U	3034	0,5	W16FSR	3033
Tractors	2400	4-Stroke	MAG Engine			W16FS-U	3034	0,5	W16FSR	3033
Tractors	3200		Kawasaki Engine	4.4	6.0	W14-US	6033	0,5		
Tractors	3400		Rotax Engine			W16FS-U	3034	0,5	W16FSR	3033
Tractors	5500	2-Stroke	Rotax Engine			W16FS-U	3034	0,5	W16FSR	3033
Tractors	5500	4-Stroke	MAG Engine			W16FS-U	3034	0,5	W16FSR	3033
Tractors	6300		Renault Engine	19.9	27.0	W20FP-U	3068	0,6	W20FPR-U	3070
Tractors	6900 - 1		Renault Engine	19.1	26.0	W20FP-U	3068	0,6	W20FPR-U	3070
Tractors	6900 - 2		Renault Engine	25.7	35.0	W20FP-U	3068	0,6	W20FPR-U	3070
Tractors	9300		Renault Engine	18.4	25.0	W20FP-U	3068	0,6	W20FPR-U	3070
AL - KO										
	25-48S		Aspera Engine			W14LM-US	6035	0,6	W14LMR-US	6072
	30-38 / 25-38 / 30-48 / 35-48		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071
	30-38HM / 30-48S / 30-48HS		Aspera Engine			W14LM-US	6035	0,6	W14LMR-US	6072









				KW	HP	Standard			Alternative		
											
AL - KO continued											
	30-48S / 30-48HS / 35-48SM / 35-48HM		B & S Engine			W14-US	6033	0,6			
	35-48SM / 35-48HM / 40-48AP		Aspera Engine			W14LM-US	6035	0,6	W14LMR-US	6072	
	GLB 380 / G;B410					W14LM-US	6035	0,6	W14LMR-US	6072	
	Super 66 / 66E / 80E		B & S Engine			W9LM-US	6057	0,6	W9LMR-US	6071	
Brushcutters	250		Trimmer			T20MP-U	6040	0,6			
Brushcutters	710		Aspera Engine			W14-US	6033	0,5			
Brushcutters	HS4300 / HS5300					T20MP-U	6040	0,6			
Cultivators	300B / 400B		Aspera Engine			W14-US	6033	0,5			
Cultivators	Alko Trac 1082		B & S Engine			W9LM-US	6057	0,5	W9LMR-US	6071	
Cultivators	FB25 - 80 RT		B & S Engine			W9LM-US	6057	0,6	W9LMR-US	6071	
ALLEN											
	215 / 216 / 218 / 218JLO / 221 / 421					W14-US	6033	0,7			
	Allen Mayfield		Kohler Engine			W14-US	6033	0,6			
	Challenger / Allen National		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071	
	National 84					W16LS	3035	0,7			
	Merlin / Lawnranger / Parkranger					W14-US	6033	0,7			
	National 68 / Greenfield 12		B & S Engine			W14-US	6033	0,7			
	National 68		Kawasaki Engine			W16FP-U	4019	0,7	W16FPR-U	4192	
	Scavenger Leaf Vacuum					W14-US	6033	0,7			
Brushcutters	20 SDS					W20M-US	6036	0,7	W20MR-U	6025	
Brushcutters	Deluxe 22 / Domestic 22 (Zenoah)					W20M-US	6036	0,5	W20MR-U	6025	
Brushcutters	Mini 17 / Mini 22 / BT22 / Reciprocator					W20M-US	6036	0,7	W20MR-U	6025	
Brushcutters	Pro 37 (Zenoah)					W16FS-U	3034	0,5	W16FSR	3033	
Brushcutters	Pro 43 / BT19					W20MP-U	6023	0,7			
Brushcutters	Super 22 / Mini 22 / Mini 26 / Pro 26					W22M-US	6048	0,7			
Brushcutters	Super 657		Tecumseh Engine			W20M-US	6036	0,8	W20MR-U	6025	
Chainsaws	HF 108 / STP102					W20M-US	6036	0,6	W20MR-U	6025	
Chainsaws	HF 750					W14M-US	6034	0,6	W14MR-U	6019	
Chainsaws	HT 230A					W22M-US	6048	0,6			
Hedge Trimmers	Easitrim (KT12)		Kawasaki Engine			W22M-US	6048	0,5			
Lawn Tractors	832 Lawnride		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071	
Mowers	120cc		Suzuki Engine			W22MP-US	6049	0,8	W22MPR-U	6043	
ALLIS CHALMERS											
Chainsaws	65 / 75 / 75A / 95 / 195 / 295					W20M-US	6036	0,7	W20MR-U	6025	
Mowers	All Models					W9LM-US	6057	0,8	W9LMR-US	6071	
ALPINA											
Brushcutters	18TS					W22MP-US	6049	0,5	W22MPR-U	6043	
Brushcutters	160 Green / 180 Jolly / 210 Flex					W22M-US	6048	0,5			
Brushcutters	232 / 238 / 332 / 338					W22MP-US	6049	0,5	W22MPR-U	6043	
Brushcutters	504i / 600i / Prof 200					W22MP-US	6049	0,5	W22MPR-U	6043	
Brushcutters	Vip 21 / 25 / 30 / 34					W22MP-US	6049	0,5	W22MPR-U	6043	
Brushcutters	Vip 34 Duplex / Flex					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	330 / 380 / 432 / 438					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	A-35 / A-40/ A40E / A70 / 0-70 / 0-70S / A-9					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	Forest 120 / P34					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	Prof : 41 / 45 / 55 / 56 / 65 / 66 / 70 / 90 / 120					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	Vip 20 / 24 / 32					W22MP-US	6049	0,5	W22MPR-U	6043	
Mowers	Hobby 202 / Elite 40L / Elite 404					W14LM-US	6035	0,6	W14LMR-US	6072	
AMF											
Mowers	All Models					W9LM-US	6057	0,8	W9LMR-US	6071	
ARGO											
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071	
ARIENS											
			Kawasaki Engine	6.6	9.0	W16EP-U	3018	0,7	W16EPR-U	3021	
			Kawasaki Engine	9.2	12.5	W20M-US	6036	0,7	W20MR-U	6025	
			Sachs Engine			W16P-U	3036	0,6	W16PR-U	3037	
			Tecumseh Engine			W20M-US	6036	0,7	W20MR-U	6025	
			B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071	
			Lauson Engine			W14-US	6033	0,6			
Blowers, Trimmers, Tractors			B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071	
Blowers, Trimmers, Tractors			B & S Engine					0,8	Q16PR-U	3137	
Blowers, Trimmers, Tractors			Clinton Engine			W14L	6013	0,7			
Blowers, Trimmers, Tractors			Kohler Engine	5,9 - 12,5	8 - 17	W14L	6013	0,7			
Blowers, Trimmers, Tractors			Kohler Engine					0,8	Q16PR-U	3137	

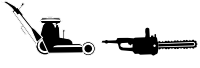






				KW	HP	Standard			Alternative	
										
ARIENS <i>continued</i>										
Blowers, Trimmers, Tractors	K181		Kohler Engine			W14-US	6033	0,6		
Blowers, Trimmers, Tractors	KT17		Kohler Engine					0,6	T14PR-U	5020
Blowers, Trimmers, Tractors			Mitsubishi Engine			W22MP-US	6049	0,7	W22MPR-U	6043
Blowers, Trimmers, Tractors			Tecumseh Engine			W14-US	6033	0,6		
Blowers, Trimmers, Tractors			Wisconsin Engine			L14-U	5000	0,8	L14R-U	5049
Mowers			B & S Engine			W22MP-US	6049	0,6	W22MPR-U	6043
Mowers			Sachs Engine			W22MP-US	6049	0,6	W22MPR-U	6043
Mowers	All Other Models					W20M-US	6036	0,8	W20MR-U	6025
ARKOS (EMAK)										
	S 30 / S 40 / S 50					W22MP-US	6049	0,5	W22MPR-U	6043
	S 100					W22MP-US	6049	0,5	W22MPR-U	6043
	AM 140 / AM 180					W22MP-US	6049	0,5	W22MPR-U	6043
	SA 18 / SA 30 / SC 2 / SC 23 / SC 33 / SP 26E					W22MP-US	6049	0,5	W22MPR-U	6043
ARTISAN										
Mowers	All Models					W9LM-US	6057	0,8	W9LMR-US	6071
AS - MOTOR										
Mowers	AS21AH4 / AS21H6 / AS21AH6					W16FS-U	3034	0,5	W16FSR	3033
Mowers	AS26AH6 / AS26H8 / AS26AH8					W16FS-U	3034	0,5	W16FSR	3033
Mowers	AS42B6 / AS42H6					W16FS-U	3034	0,5	W16FSR	3033
Mowers	AS45 / AS53B8 / AS53BHR					W16FS-U	3034	0,7	W16FSR	3033
Engines	AS120 (A, B, C, D)		120 cc	2.9	4.0	W16FS-U	3034	0,5	W16FSR	3033
Engines	AS165 (A, D, E, F, G)		165 cc	4.5	6.0	W16FS-U	3034	0,5	W16FSR	3033
ASPLUNDH										
Power equipment	Jex 4-Cyl 172 cu.in		Ford Engine			W14L	6013	0,7		
Power equipment	Jex 6-Cyl 300 cu.in		Ford Engine					0,7	MA20R-U	5014
Power equipment	Jex V-8 330 cu.in		Ford Engine					0,7	MA20R-U	5014
ATCO										
			Aspera / Kohler Engines			W14-US	6033	0,5		
			B & S Engine			W14LM-US	6035	0,6	W14LMR-US	6072
			Tecumseh / Suffolk Eng.			W14-US	6033	0,6		
	12in. Standard / 14in. deluxe / 17in. deluxe					W14-US	6033	0,7		
	18in. Eighteen / 12in. deluxe					W14-US	6033	0,7		
	21in. / 18in. rotary					W20M-US	6036	0,7	W20MR-U	6025
	24in. / 30in. riding mowers / 28in.					W14-US	6033	0,7		
	34in. Groundsman / 20in. Toughout					W14-US	6033	0,7		
	EY14 (Robin)					W16FS-U	3034	0,6	W16FSR	3033
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071
Mowers			Suffolk Engine			W14-US	6033	0,8		
Mowers			Tecumseh Engine			W14-US	6033	0,8		
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071
BACHTOLD										
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071
Mowers	K 181		Kohler Engine			W14-US	6033	0,8		
BARK - BUSTER										
Log Splitters						W20M-US	6036	0,6	W20MR-U	6025
BARKER INDUSTRIES										
Chainsaws	50012		Chrysler Engine			W20M-US	6036	0,7	W20MR-U	6025
BARRUS										
Mowers	All Models		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071
BCS										
Tractors	201 / 203 / 205 / 602					W16FS-U	3034	0,8	W16FSR	3033
Tractors	604 / 725 / 735					W16FS-U	3034	0,8	W16FSR	3033
Tractors	715 / 745		Kohler Engine			W16LS	3035	0,6		
BEAIRD - POULAN										
Blowers	940 / 960					W20M-US	6036	0,7	W20MR-U	6025
BERNARD MOTORS										
Chainsaws	BM 230.0,230.1,236.3,441.3,651.3					W20M-US	6036	0,6	W20MR-U	6025
BIG GIANT										
Log Splitters			B & S Engine			W20M-US	6036	0,6	W20MR-U	6025
BIG PRO										
Riding Mowers	M18		Kohler Engine					0,6	T14PR-U	5020
Riding Mowers	M20		Kohler Engine					0,8	T16PR-U	5025
BIG SNAPPER										
Mowers	All Models					L14-U	5000	0,8	L14R-U	5049








				KW	HP	Standard			Alternative		
											
BIG WHEEL											
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071	
BILLY COAT											
Blowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071	
Blowers			Kawasaki Engine	5.5	7.5	W16FP-U	4019	0,7	W16FPR-U	4192	
Blowers			Kohler Engine			W14-US	6033	0,8			
Blowers	V8		Honda Engine	8.1	11.0	W20EP-U	3043	0,6	W20EPR-U	3047	
Hedge Trimmers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071	
Hedge Trimmers			Kawasaki Engine	5.5	7.5	W16FP-U	4019	0,7	W16FPR-U	4192	
Hedge Trimmers			Kohler Engine			W14-US	6033	0,8			
Hedge Trimmers	V8		Honda Engine	8.1	11.0	W20EP-U	3043	0,6	W20EPR-U	3047	
BLAIR											
Mowers	All Models					W9LM-US	6057	0,8	W9LMR-US	6071	
BLITZ											
Chainsaws	B34 / B35 / N38 / B42 / B45 / B50 / B52 / B54 / B55 / B60					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	B64 / B80 / B100F / B300 / B304 / B400 / B404 / B500					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	XB502 / B504 / B600 / B701 / B702 / B800 / B802 / B804					W22MP-US	6049	0,5	W22MPR-U	6043	
BLUE BIRD - ZANE MOTORI											
	EBC 27E / EPM 27E / SEC 23E / SBC 23E					W16FS-U	3034	0,5	W16FSR	3033	
	K25 / T25 / K29 / Z29					W22M-US	6048	0,5			
	K40 / M40 / Z40 / ZM40					W16FS-U	3034	0,6	W16FSR	3033	
	KA33 / KB33 / MA33 / MB33 / Z33 / ZM33					W16FS-U	3034	0,6	W16FSR	3033	
	M27 / M34 / ZM27 / ZM34					W22M-US	6048	0,5			
	NBC 31EAV / NBC 38EAV / NPM 31EAV					W16FS-U	3034	0,6	W16FSR	3033	
	NBC 45E / NAC 52E					W16FS-U	3034	0,6	W16FSR	3033	
	NPM 31 / NPM 38E / NPM 52E / NPM 45E					W16FS-U	3034	0,6	W16FSR	3033	
BMB											
Mowers	All Models					W9LM-US	6057	0,8	W9LMR-US	6071	
Mowers	All Models					W20M-US	6036	0,8	W20MR-U	6025	
BOLENS (FMC)											
Chainsaws	3010 Thrifty / 3014 Swifty					W20S-U	3075	0,6	W20SR-U	3076	
Chainsaws	3300 / 5500 / 5600 / 5700					W14L	6013	0,7			
Chainsaws	All Others					W14-US	6033	0,7			
Garden Tractors			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071	
Garden Tractors			Tecumseh Engine			W14-US	6033	0,7			
Garden Tractors			Wisconsin Engine			L14-U	5000	0,8	L14R-U	5049	
Garden Tractors	528		B & S Engine	3.7	5.0	W20M-US	6036	0,5	W20MR-U	6025	
Garden Tractors	830 / 931		B & S Engine	5.9	8.0	W20M-US	6036	0,5	W20MR-U	6025	
Garden Tractors	G-11-YT / H-11-YT		B & S Engine	8.1	11.0	W20M-US	6036	0,5	W20MR-U	6025	
Garden Tractors	G-16-YT		B & S Engine	11.8	16.0	W20M-US	6036	0,5	W20MR-U	6025	
Garden Tractors	G12XL / H12XL		Tecumseh Engine	8.8	12.0	W14LM-US	6035	0,5	W14LMR-US	6072	
Garden Tractors	G16X - 1 / H16X - 1		Tecumseh Engine	11.8	16.0	W14LM-US	6035	0,5	W14LMR-US	6072	
Garden Tractors	G16XT / H16XT		B & S Engine	11.8	16.0	W20M-US	6036	0,5	W20MR-U	6025	
Garden Tractors	HH140 / HH160		Tecumseh Engine			W22FS-U	4025	0,6	W22FSR	4024	
Garden Tractors	HT-23		Kohler Engine	16.9	23.0	W14L	6013	0,6			
Garden Tractors	K361 / K532 / K562		Kohler Engine			W14L	6013	0,7			
Garden Tractors	KT17		Kohler Engine					0,6	T14PR-U	5020	
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071	
Mowers			Tecumseh Engine			W14-US	6033	0,8			
Mowers	8325		B & S Engine	2.6	3.5	W20M-US	6036	0,5	W20MR-U	6025	
Mowers	8362		B & S Engine	2.9	4.0	W20M-US	6036	0,5	W20MR-U	6025	
Mowers	8372		Tecumseh Engine	2.7	3.7	W14LM-US	6035	0,5	W14LMR-US	6072	
Mowers	8554 / 8555E		Tecumseh Engine	3.7	5.0	W14LM-US	6035	0,5	W14LMR-US	6072	
Mowers	8618		B & S Engine	2.6	3.5	W20M-US	6036	0,5	W20MR-U	6025	
Mowers	8621		B & S Engine	2.6	3.5	W20M-US	6036	0,5	W20MR-U	6025	
Mowers	8632 / 8635		B & S Engine	2.6	3.5	W20M-US	6036	0,5	W20MR-U	6025	
Mowers	8648 / 8644		B & S Engine	2.9	4.0	W20M-US	6036	0,5	W20MR-U	6025	
Mowers	8649		B & S Engine	2.9	4.0	W20M-US	6036	0,5	W20MR-U	6025	
BOMBARDIER-ROTAX											
Engines	95		2-Stroke 94 cc	3.4	4.6	W20FS-U	3073	0,5	W20FSR-U	6053	
Engines	150		2-Stroke 148 cc	4.3	5.8	M14	5001	0,5			
Engines	182		2-Stroke 184 cc	4.6	6.2	W20FS-U	3073	0,5	W20FSR-U	6053	
Engines	232		2-Stroke 232 cc	6.5	8.8	W20FS-U	3073	0,5	W20FSR-U	6053	
Engines	299		2-Stroke 303 cc	8.8	12.0	M17	5002	0,5			
Engines	500		2-Stroke, 2-Cyl. 494 cc	11.9	16.2	M14	5001	0,5			
Engines	635		2-Stroke, 2-Cyl. 635 cc	28.0	38.5	M24S	5004	0,5			








				KW	HP	Standard		Alternative		
										
BOMBARDIER-ROTAX <i>continued</i>										
Engines	FR 125 Max (Kart engine)		2-Stroke 125 cc					0,6	IW31	5319
Engines	FR 125 Max (Kart engine) (Light load)		2-Stroke 125 cc					0,6	IW27	5317
BRIGGS & STRATTON										
Engines	ELS	Series 125300	Extended Life Series	4.5	6.0			0,7	Q16PR-U	3137
Engines	ELS	Series 125400	Extended Life Series	4.5	6.0			0,7	Q16PR-U	3137
Engines	ELS	Series 28AH00	Extended Life Series	11.2	15.0			0,7	Q16PR-U	3137
Engines	ELS	Series 28BH00	Extended Life Series	11.9	16.0			0,7	Q16PR-U	3137
Engines	ELS	Series 28CH00	Extended Life Series	11.9	16.0			0,7	Q16PR-U	3137
Engines	ELS	Series 31J700	Extended Life Series	11.9	16.0			0,7	Q16PR-U	3137
Engines	ELS	Series 31K700	Extended Life Series	12.7	17.0			0,7	Q16PR-U	3137
Engines	ELS	Series 31L700	Extended Life Series	13.4	18.0			0,7	Q16PR-U	3137
Engines	ELS	Series 31M700	Extended Life Series	13.4	18.0			0,7	Q16PR-U	3137
Engines	ELS	Series 40F700	Extended Life Series	13.4	18.0			0,7	Q16PR-U	3137
Engines	ELS	Series 40G700	Extended Life Series	14.9	20.0			0,7	Q16PR-U	3137
Engines	ELS	Series 40H700	Extended Life Series	16.4	22.0			0,7	Q16PR-U	3137
Engines	ELS	Series 446700	Extended Life Series	19.4	26.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 110400	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 110600	Single cylinder OHV	4.5	6.0			0,5	Q16PR-U	3137
Engines	INTEK	Series 111400	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 111600	Single cylinder OHV	4.5	6.0			0,5	Q16PR-U	3137
Engines	INTEK	Series 113400	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 11C600	Single cylinder OHV	4.5	6.0			0,5	Q16PR-U	3137
Engines	INTEK	Series 120400	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 120600	Single cylinder OHV	4.5	6.0			0,5	Q16PR-U	3137
Engines	INTEK	Series 121400	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 121600	Single cylinder OHV	4.5	6.0			0,5	Q16PR-U	3137
Engines	INTEK	Series 122600	Single cylinder OHV	4.5	6.0			0,5	Q16PR-U	3137
Engines	INTEK	Series 123300	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 123400	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 123600	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 124600	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 125600	Single cylinder OHV	4.5	6.0			0,5	Q16PR-U	3137
Engines	INTEK	Series 127300	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 127400	Single cylinder OHV	4.5	6.0			0,5	Q16PR-U	3137
Engines	INTEK	Series 127600	Single cylinder OHV	4.5	6.0			0,5	Q16PR-U	3137
Engines	INTEK	Series 128300	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 128400	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 12A300	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 12A400	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 12A600	Single cylinder OHV	4.5	6.0			0,5	Q16PR-U	3137
Engines	INTEK	Series 12B300	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 12B400	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 12B600	Single cylinder OHV	4.5	6.0			0,5	Q16PR-U	3137
Engines	INTEK	Series 12C600	Single cylinder OHV	4.5	6.0			0,5	Q16PR-U	3137
Engines	INTEK	Series 12D600	Single cylinder OHV	4.5	6.0			0,5	Q16PR-U	3137
Engines	INTEK	Series 12Z600	Single cylinder OHV	4.5	6.0			0,5	Q16PR-U	3137
Engines	INTEK	Series 121300	Single cylinder OHV	5.2	7.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 126600	Single cylinder OHV	5.2	7.0			0,5	Q16PR-U	3137
Engines	INTEK	Series 128600	Single cylinder OHV	5.2	7.0			0,5	Q16PR-U	3137
Engines	INTEK	Series 129600	Single cylinder OHV	5.2	7.0			0,5	Q16PR-U	3137
Engines	INTEK	Series 12F600	Single cylinder OHV	5.2	7.0			0,5	Q16PR-U	3137
Engines	INTEK	Series 12G600	Single cylinder OHV	5.2	7.0			0,5	Q16PR-U	3137
Engines	INTEK	Series 12H600	Single cylinder OHV	5.2	7.0			0,5	Q16PR-U	3137
Engines	INTEK	Series 121A00	Single cylinder OHV	6.0	8.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 129400	Single cylinder OHV	6.0	8.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 12C300	Single cylinder OHV	6.0	8.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 12C400	Single cylinder OHV	6.0	8.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 12D300	Single cylinder OHV	6.0	8.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 12D400	Single cylinder OHV	6.0	8.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 12E300	Single cylinder OHV	6.0	8.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 201400	Single cylinder OHV	6.0	8.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 202400	Single cylinder OHV	6.0	8.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 203400	Single cylinder OHV	6.0	8.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 210700	Single cylinder OHV	6.0	8.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 212900	Single cylinder OHV	6.7	9.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 204400	Single cylinder OHV	7.5	10.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 205400	Single cylinder OHV	7.5	10.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 206400	Single cylinder OHV	7.5	10.0			0,7	Q16PR-U	3137







				KW	HP	Standard		Alternative		
BRIGGS & STRATTON <i>continued</i>										
Engines	INTEK	Series 20A400	Single cylinder OHV	7.5	10.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 20B400	Single cylinder OHV	7.5	10.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 20C400	Single cylinder OHV	7.5	10.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 20D400	Single cylinder OHV	7.5	10.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 214900	Single cylinder OHV	7.5	10.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 215900	Single cylinder OHV	7.5	10.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 20E400	Single cylinder OHV	8.2	11.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 20F400	Single cylinder OHV	8.2	11.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 20G400	Single cylinder OHV	8.2	11.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 213400	Single cylinder OHV	8.2	11.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 216900	Single cylinder OHV	8.2	11.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 217900	Single cylinder OHV	8.9	12.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 218700	Single cylinder OHV	8.9	12.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 219900	Single cylinder OHV	8.9	12.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 21A400	Single cylinder OHV	9.7	13.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 21A700	Single cylinder OHV	9.7	13.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 21B900	Single cylinder OHV	10.4	14.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 284H00	Single cylinder OHV	11.2	15.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 283H00	Single cylinder OHV	11.9	16.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 285H00	Single cylinder OHV	11.9	16.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 286H00	Single cylinder OHV	11.9	16.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 310700	Single cylinder OHV	11.9	16.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 31E700	Single cylinder OHV	11.9	16.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 311700	Single cylinder OHV	12.7	17.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 312700	Single cylinder OHV	12.7	17.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 31F700	Single cylinder OHV	12.7	17.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 314700	Single cylinder OHV	13.4	18.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 31H700	Single cylinder OHV	13.4	18.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 405700	V-Twin OHV	13.4	18.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 406500	V-Twin OHV	14.9	20.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 406700	V-Twin OHV	14.9	20.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 407700	V-Twin OHV	16.4	22.0			0,7	Q16PR-U	3137
Engines	INTEK	Series 445700	V-Twin OHV	18.6	25.0			0,7	Q16PR-U	3137
Engines	OPPOSED	Series 404400	Twin cylinder "L" head	8.9	12.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	OPPOSED	Series 404700	Twin cylinder "L" head	8.9	12.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	OPPOSED	Series 400400	Twin cylinder "L" head	10.4	14.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	OPPOSED	Series 400700	Twin cylinder "L" head	10.4	14.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	OPPOSED	Series 401400	Twin cylinder "L" head	11.9	16.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	OPPOSED	Series 401700	Twin cylinder "L" head	11.9	16.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	OPPOSED	Series 402400	Twin cylinder "L" head	11.9	16.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	OPPOSED	Series 402700	Twin cylinder "L" head	11.9	16.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	OPPOSED	Series 42B700	Twin cylinder "L" head	11.9	16.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	OPPOSED	Series 42C700	Twin cylinder "L" head	12.7	17.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	OPPOSED	Series 421400	Twin cylinder "L" head	13.4	18.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	OPPOSED	Series 421700	Twin cylinder "L" head	13.4	18.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	OPPOSED	Series 422400	Twin cylinder "L" head	13.4	18.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	OPPOSED	Series 422700	Twin cylinder "L" head	13.4	18.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	OPPOSED	Series 42D700	Twin cylinder "L" head	13.4	18.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	OPPOSED	Series 42A700	Twin cylinder "L" head	14.2	19.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	OPPOSED	Series 42E700	Twin cylinder "L" head	14.9	20.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	OPPOSED	Series 460700	Twin cylinder "L" head	14.9	20.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	OPPOSED	Series 461700	Twin cylinder "L" head	14.9	20.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	OPPOSED	Series 462700	Twin cylinder "L" head	14.9	20.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	OPPOSED	Series 48A700	Twin cylinder "L" head	14.9	20.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	OPPOSED	Series 463700	Twin cylinder "L" head	15.7	21.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	VANGUARD	Series 404400	Liquid cooled 3 cylinder	8.9	12.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	VANGUARD	Series 404700	Liquid cooled 3 cylinder	8.9	12.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	VANGUARD	Series 400400	Liquid cooled 3 cylinder	10.4	14.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	VANGUARD	Series 400700	Liquid cooled 3 cylinder	10.4	14.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	VANGUARD	Series 401400	Liquid cooled 3 cylinder	11.9	16.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	VANGUARD	Series 401700	Liquid cooled 3 cylinder	11.9	16.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	VANGUARD	Series 402400	Liquid cooled 3 cylinder	11.9	16.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	VANGUARD	Series 402700	Liquid cooled 3 cylinder	11.9	16.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	VANGUARD	Series B700	Liquid cooled 3 cylinder	11.9	16.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	VANGUARD	Series C700	Liquid cooled 3 cylinder	12.7	17.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	VANGUARD	Series 1400	Liquid cooled 3 cylinder	13.4	18.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	VANGUARD	Series 1700	Liquid cooled 3 cylinder	13.4	18.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	VANGUARD	Series 2400	Liquid cooled 3 cylinder	13.4	18.0	W9LM-US	6057	0,7	W9LMR-US	6071








				KW	HP	Standard			Alternative	
BRIGGS & STRATTON <i>continued</i>										
Engines	VANGUARD	Series 2700	Liquid cooled 3 cylinder	13.4	18.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	VANGUARD	Series D700	Liquid cooled 3 cylinder	13.4	18.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	VANGUARD	Series A700	Liquid cooled 3 cylinder	14.2	19.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	VANGUARD	Series E700	Liquid cooled 3 cylinder	14.9	20.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	VANGUARD	Series 460700	Liquid cooled 3 cylinder	14.9	20.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	VANGUARD	Series 461700	Liquid cooled 3 cylinder	14.9	20.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	VANGUARD	Series 462700	Liquid cooled 3 cylinder	14.9	20.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	VANGUARD	Series 48A700	Liquid cooled 3 cylinder	14.9	20.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	VANGUARD	Series 463700	Liquid cooled 3 cylinder	15.7	21.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	VANGUARD	5000 Series	Single cylinder OHV	1.5	2.0			0,7	W20FPR-U	3070
Engines	VANGUARD	85400 Series	Single cylinder OHV	3.0	4.0			0,7	Q16PR-U	3137
Engines	VANGUARD	86400 Series	Single cylinder OHV	3.0	4.0			0,7	Q16PR-U	3137
Engines	VANGUARD	104700 Series	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	VANGUARD	115400 Series	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	VANGUARD	117400 Series	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	VANGUARD	118400 Series	Single cylinder OHV	4.5	6.0			0,7	W20FPR-U	3070
Engines	VANGUARD	138400 Series	Single cylinder OHV	6.0	8.0			0,7	Q16PR-U	3137
Engines	VANGUARD	161400 Series	Single cylinder OHV	6.7	9.0			0,7	Q16PR-U	3137
Engines	VANGUARD	185400 Series	Single cylinder OHV	6.7	9.0			0,7	Q16PR-U	3137
Engines	VANGUARD	186400 Series	Single cylinder OHV	6.7	9.0			0,7	Q16PR-U	3137
Engines	VANGUARD	235400 Series	Single cylinder OHV	8.2	11.0			0,7	Q16PR-U	3137
Engines	VANGUARD	260700 Series	Single cylinder OHV	8.9	12.0			0,7	Q16PR-U	3137
Engines	VANGUARD	245400 Series	Single cylinder OHV	9.7	13.0			0,7	Q16PR-U	3137
Engines	VANGUARD	261700 Series	Single cylinder OHV	10.4	14.0			0,7	Q16PR-U	3137
Engines	VANGUARD	28P700 Series	Single cylinder OHV	10.4	14.0			0,7	Q16PR-U	3137
Engines	VANGUARD	28Q700 Series	Single cylinder OHV	11.9	16.0			0,7	Q16PR-U	3137
Engines	VANGUARD	28S700 Series	Single cylinder OHV	11.9	16.0			0,7	Q16PR-U	3137
Engines	VANGUARD	312700 Series	Single cylinder OHV	13.4	18.0			0,7	Q16PR-U	3137
Engines	VANGUARD	304400 Series	V-twin OHV					0,7	Q16PR-U	3137
Engines	VANGUARD	30A400 Series	V-twin OHV					0,7	Q16PR-U	3137
Engines	VANGUARD	354400 Series	V-twin OHV					0,7	Q16PR-U	3137
Engines	VANGUARD	290400 Series	V-twin OHV	8.9	12.0			0,7	Q16PR-U	3137
Engines	VANGUARD	290700 Series	V-twin OHV	8.9	12.0			0,7	Q16PR-U	3137
Engines	VANGUARD	294400 Series	V-twin OHV	10.4	14.0			0,7	Q16PR-U	3137
Engines	VANGUARD	294700 Series	V-twin OHV	10.4	14.0			0,7	Q16PR-U	3137
Engines	VANGUARD	303400 Series	V-twin OHV	11.9	16.0			0,7	Q16PR-U	3137
Engines	VANGUARD	303700 Series	V-twin OHV	11.9	16.0			0,7	Q16PR-U	3137
Engines	VANGUARD	305700 Series	V-twin OHV	11.9	16.0			0,7	Q16PR-U	3137
Engines	VANGUARD	355700 Series	V-twin OHV	12.7	17.0			0,7	Q16PR-U	3137
Engines	VANGUARD	350400 Series	V-twin OHV	13.4	18.0			0,7	Q16PR-U	3137
Engines	VANGUARD	350700 Series	V-twin OHV	13.4	18.0			0,7	Q16PR-U	3137
Engines	VANGUARD	356400 Series	V-twin OHV	13.4	18.0			0,7	Q16PR-U	3137
Engines	VANGUARD	356700 Series	V-twin OHV	13.4	18.0			0,7	Q16PR-U	3137
Engines	VANGUARD	357700 Series	V-twin OHV	14.2	19.0			0,7	Q16PR-U	3137
Engines	VANGUARD	351400 Series	V-twin OHV	14.9	20.0			0,7	Q16PR-U	3137
Engines	VANGUARD	351700 Series	V-twin OHV	14.9	20.0			0,7	Q16PR-U	3137
Engines	VANGUARD	358700 Series	V-twin OHV	14.9	20.0			0,7	Q16PR-U	3137
Engines	VANGUARD	381400 Series	V-twin OHV	15.7	21.0			0,7	Q16PR-U	3137
Engines	VANGUARD	381700 Series	V-twin OHV	15.7	21.0			0,7	Q16PR-U	3137
Engines	VANGUARD	385400 Series	V-twin OHV	15.7	21.0			0,7	Q16PR-U	3137
Engines	VANGUARD	385700 Series	V-twin OHV	15.7	21.0			0,7	Q16PR-U	3137
Engines	VANGUARD	380400 Series	V-twin OHV	17.2	23.0			0,7	Q16PR-U	3137
Engines	VANGUARD	380700 Series	V-twin OHV	17.2	23.0			0,7	Q16PR-U	3137
Engines	VANGUARD	386400 Series	V-twin OHV	17.2	23.0			0,7	Q16PR-U	3137
Engines	VANGUARD	386700 Series	V-twin OHV	17.2	23.0			0,7	Q16PR-U	3137
Engines	VANGUARD	474100 Series	V-twin OHV	20.9	28.0			0,7	Q16PR-U	3137
Engines	VANGUARD	541400 Series	V-twin OHV	21.6	29.0			0,7	Q16PR-U	3137
Engines	VANGUARD	543400 Series	V-twin OHV	23.1	31.0			0,7	Q16PR-U	3137
Engines	VANGUARD	613100 Series	V-twin OHV	23.1	31.0			0,7	Q16PR-U	3137
Engines	VANGUARD	Series 11A600	Single cylinder OHV	4.5	6.0			0,5	Q16PR-U	3137
Engines	VANGUARD	Series 11B600	Single cylinder OHV	4.5	6.0			0,5	Q16PR-U	3137
Engines	VANGUARD	Series 120300	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	VANGUARD	Series 126300	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	VANGUARD	Series 126400	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	VANGUARD	Series 12Y600	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	VANGUARD	Series 12Y800	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	VANGUARD	Series 12Z800	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	VANGUARD	Series 97700	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137








			KW	HP	Standard			Alternative	
								R	
BRIGGS & STRATTON <i>continued</i>									
Engines	Series 99700	Single cylinder OHV	4.5	6.0			0,7	Q16PR-U	3137
Engines	Series 210700	Single cylinder OHV	6.0	8.0			0,7	Q16PR-U	3137
Engines	Series 210800	Single cylinder OHV	6.0	8.0			0,7	Q16PR-U	3137
Engines	Series 211700	Single cylinder OHV	6.0	8.0			0,7	Q16PR-U	3137
Engines	Series 211800	Single cylinder OHV	6.0	8.0			0,7	Q16PR-U	3137
Engines	Series 212700	Single cylinder OHV	6.7	9.0			0,7	Q16PR-U	3137
Engines	Series 212800	Single cylinder OHV	6.7	9.0			0,7	Q16PR-U	3137
Engines	Series 207400	Single cylinder OHV	7.5	10.0			0,7	Q16PR-U	3137
Engines	Series 213700	Single cylinder OHV	7.5	10.0			0,7	Q16PR-U	3137
Engines	Series 213800	Single cylinder OHV	7.5	10.0			0,7	Q16PR-U	3137
Engines	Series 214700	Single cylinder OHV	7.5	10.0			0,7	Q16PR-U	3137
Engines	Series 214800	Single cylinder OHV	7.5	10.0			0,7	Q16PR-U	3137
Engines	Series 215700	Single cylinder OHV	7.5	10.0			0,7	Q16PR-U	3137
Engines	Series 215800	Single cylinder OHV	7.5	10.0			0,7	Q16PR-U	3137
Engines	Series 210400	Single cylinder OHV	8.2	11.0			0,7	Q16PR-U	3137
Engines	Series 212400	Single cylinder OHV	8.2	11.0			0,7	Q16PR-U	3137
Engines	Series 216700	Single cylinder OHV	8.2	11.0			0,7	Q16PR-U	3137
Engines	Series 216800	Single cylinder OHV	8.2	11.0			0,7	Q16PR-U	3137
Engines	Series 217700	Single cylinder OHV	8.2	11.0			0,7	Q16PR-U	3137
Engines	Series 217800	Single cylinder OHV	8.9	12.0			0,7	Q16PR-U	3137
Engines	Series 218700	Single cylinder OHV	8.9	12.0			0,7	Q16PR-U	3137
Engines	Series 218800	Single cylinder OHV	8.9	12.0			0,7	Q16PR-U	3137
Engines	Series 219700	Single cylinder OHV	8.9	12.0			0,7	Q16PR-U	3137
Engines	Series 219800	Single cylinder OHV	8.9	12.0			0,7	Q16PR-U	3137
Engines	Series 21A800	Single cylinder OHV	9.7	13.0			0,7	Q16PR-U	3137
Engines	Series 21A900	Single cylinder OHV	9.7	13.0			0,7	Q16PR-U	3137
Engines	Series 21B700	Single cylinder OHV	10.4	14.0			0,7	Q16PR-U	3137
Engines	Series 21B800	Single cylinder OHV	10.4	14.0			0,7	Q16PR-U	3137
Engines	Series 280H00	Single cylinder OHV	10.4	14.0			0,7	Q16PR-U	3137
Engines	Series 287700	Single cylinder OHV	10.4	14.0			0,7	Q16PR-U	3137
Engines	Series 28E700	Single cylinder OHV	10.4	14.0			0,7	Q16PR-U	3137
Engines	Series 281H00	Single cylinder OHV	11.2	15.0			0,7	Q16PR-U	3137
Engines	Series 282H00	Single cylinder OHV	11.9	16.0			0,7	Q16PR-U	3137
Engines	Series 28N700	Single cylinder OHV	11.9	16.0			0,7	Q16PR-U	3137
Engines	Series 28U700	Single cylinder OHV	11.9	16.0			0,7	Q16PR-U	3137
Engines	Series 28W700	Single cylinder OHV	11.9	16.0			0,7	Q16PR-U	3137
Engines	Series 31A700	Single cylinder OHV	11.9	16.0			0,7	Q16PR-U	3137
Engines	Series 31B700	Single cylinder OHV	12.7	17.0			0,7	Q16PR-U	3137
Engines	Series 313700	Single cylinder OHV	13.4	18.0			0,7	Q16PR-U	3137
Engines	Series 319700	Single cylinder OHV	13.4	18.0			0,7	Q16PR-U	3137
Engines	Series 31C700	Single cylinder OHV	13.4	18.0			0,7	Q16PR-U	3137
Engines	Series 31D700	Single cylinder OHV	13.4	18.0			0,7	Q16PR-U	3137
Engines	Series 31G700	Single cylinder OHV	13.4	18.0			0,7	Q16PR-U	3137
Engines	Series 21000	Single cylinder "L" head	0.7	1.0	T20MP-U	6040	0,6		
Engines	Series 21100	Single cylinder "L" head	0.7	1.0	T20MP-U	6040	0,6		
Engines	Series 60100	Single cylinder "L" head	1.5	2.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	Series 80100	Single cylinder "L" head	1.5	2.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	Series 80200	Single cylinder "L" head	2.2	3.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	Series 80300	Single cylinder "L" head	2.2	3.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	Series 80400	Single cylinder "L" head	2.2	3.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	Series 82200	Single cylinder "L" head	2.2	3.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	Series 82300	Single cylinder "L" head	2.2	3.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	Series 82400	Single cylinder "L" head	2.2	3.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	Series 82500	Single cylinder "L" head	2.2	3.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	Series 82900	Single cylinder "L" head	2.2	3.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	Series 83400	Single cylinder "L" head	2.2	3.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	Series 84500	Single cylinder "L" head	2.2	3.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	Series 84700	Single cylinder "L" head	2.2	3.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	Series 84900	Single cylinder "L" head	2.2	3.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	Series 85500	Single cylinder "L" head	2.2	3.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	Series 85900	Single cylinder "L" head	2.2	3.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	Series 90100	Single cylinder "L" head	2.2	3.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	Series 90200	Single cylinder "L" head	2.2	3.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	Series 90400	Single cylinder "L" head	2.2	3.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	Series 92400	Single cylinder "L" head	2.2	3.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	Series 92500	Single cylinder "L" head	2.2	3.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	Series 94500	Single cylinder "L" head	2.2	3.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines	Series 100200	Single cylinder "L" head	3.0	4.0	W9LM-US	6057	0,7	W9LMR-US	6071

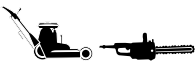







				KW	HP	Standard			Alternative	
										
BRIGGS & STRATTON <i>continued</i>										
Engines		Series 28F700	Single cylinder "L" head	9.7	13.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines		Series 28M700	Single cylinder "L" head	9.7	13.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines		Series 28T700	Single cylinder "L" head	9.7	13.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines		Series 28V700	Single cylinder "L" head	9.7	13.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines		Series 302400	Single cylinder "L" head	9.7	13.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines		Series 28R700	Single cylinder "L" head	10.4	14.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines		Series 320400	Single cylinder "L" head	10.4	14.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines		Series 325400	Single cylinder "L" head	11.2	15.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines		Series 326400	Single cylinder "L" head	11.9	16.0	W9LM-US	6057	0,7	W9LMR-US	6071
Engines		Series 402500	2 Cylinder OHV	16.4	22.0			0,7	Q16PR-U	3137
Engines		Series 407500	2 Cylinder OHV	16.4	22.0			0,7	Q16PR-U	3137
Engines		Series 407600	2 Cylinder OHV	16.4	22.0			0,7	Q16PR-U	3137
BRILL										
	Auto-Max 4 TB / Roto-Master 35		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071
	Brillmobil		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071
	Lord 4TS46 / Monarch 56 / Prinz 40M		Tecumseh Engine			W14LM-US	6035	0,7	W14LMR-US	6072
	Roto-Baron / Grande / King H4TB		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071
	Roto-Fox / King H2TA		Aspera Engine			W14LM-US	6035	0,7	W14LMR-US	6072
	Roto-Fox 46 / Grande 46 / King 46N, 46R		Aspera Engine			W14LM-US	6035	0,7	W14LMR-US	6072
	Roto-Lord 4TS / Prinz H4TB		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071
	Roto-Rapid 4TB		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071
Mowers			ILO Engine			W9LM-US	6057	0,7	W9LMR-US	6071
CASAL										
Mowers	M 112 / M 113					W27FS-U	4052	0,5	W27FSR	4054
Mowers	M 131 / M 132					W22FS-U	4025	0,5	W22FSR	4024
Mowers	M 136					W16FS-U	3034	0,5	W16FSR	3033
Mowers	M 137					W22FS-U	4025	0,5	W22FSR	4024
Mowers	M 140					W16FS-U	3034	0,5	W16FSR	3033
Mowers	M 147 / M148 / M149 / 196 / 197					W16FS-U	3034	0,5	W16FSR	3033
Mowers	M 151					W22FS-U	4025	0,5	W22FSR	4024
Mowers	M 153					W22FS-U	4025	0,5	W22FSR	4024
Mowers	M 233					W27ES-U	4046	0,5	W27ESR-U	4045
Mowers	M 234					W27ES-U	4046	0,5	W27ESR-U	4045
CASE										
	M 152					W22FS-U	4025	0,5	W22FSR	4024
Mowers	All Models					W20M-US	6036	0,8	W20MR-U	6025
CASTOR										
Chainsaws	330 / 380					W22MP-US	6049	0,7	W22MPR-U	6043
Chainsaws	C-35 / C-40E / CP-45 / CP-55 / CP-6590					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	CP-41 / CP-45					W22MP-US	6049	0,7	W22MPR-U	6043
Chainsaws	CP-70 / CP-70S / C-90 / CP-90 / CP-120					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	Tropical 120					W22MP-US	6049	0,5	W22MPR-U	6043
CATERPILLAR										
Lift trucks	T30B / T35B / T40B / T45B / T50B / T55B / T60B					W16P-U	3036	0,7	W16PR-U	3037
Lift trucks	V30C / V35C / V40C / V45C / V50C					W16P-U	3036	0,7	W16PR-U	3037
CHIEF										
Chainsaws	D35					W14-US	6033	0,7		
Chainsaws	E75 / E95 / D15					W20M-US	6036	0,7	W20MR-U	6025
CHIEFTRAIN										
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071
CHIPPIT										
Chainsaws	800G / Chippit 11		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071
CHOREMASTER										
Mowers	All Models					W9LM-US	6057	0,8	W9LMR-US	6071
CHRYSLER POWER BEE										
Power Equipment	50000 / 50002 / 50004			3.3	4.5	W20M-US	6036	0,8	W20MR-U	6025
Power Equipment	50006 / 50012 / 50014			3.3	4.5	W20M-US	6036	0,8	W20MR-U	6025
Power Equipment	50052 / 50054			2.4	3.3	W20M-US	6036	0,8	W20MR-U	6025
Power Equipment	50056			1.5	2.0	W20M-US	6036	0,8	W20MR-U	6025
Power Equipment	51001			2.2	3.0	W14-US	6033	0,8		
Power Equipment	51005 / 51007			2.2	3.0	W16S-U	5044	1.0		
Power Equipment	51009 / 51011			2.2	3.0	W16S-U	5044	1.0		
Power Equipment	58011			2.9	4.0	W16LS	3035	0,8		
Power Equipment	58021			2.9	4.0	W14-US	6033	0,8		
Power Equipment	58023 / 58041			2.9	4.0	W16S-U	5044	1.0		
Power Equipment	58029 / 58031 / 58033			2.9	4.0	W16S-U	5044	1.0		
Power Equipment	58035 / 58039 / 58043			2.9	4.0	W16S-U	5044	1.0		

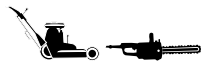







				KW	HP	Standard			Alternative	
										
CHRYSLER POWER BEE <i>continued</i>										
Power Equipment	58037			2.9	4.0	W14-US	6033	0,8		
Power Equipment	58045 / 58047 / 58049			2.9	4.0	W16S-U	5044	1.0		
Power Equipment	58051 / 58053			2.9	4.0	W16S-U	5044	1.0		
Power Equipment	61001 / 61002			5.5	7.5	W22FS-U	4025	0,8	W22FSR	4024
Power Equipment	61005 / 61006			4.0	5.5	W16FS-U	3034	0,8	W16FSR	3033
Power Equipment	61010			3.5	4.7	W22FS-U	4025	0,8	W22FSR	4024
Power Equipment	61012			5.9	8.0	W22FS-U	4025	0,8	W22FSR	4024
Power Equipment	70019 / 70033 / 70037			3.7	5.0	W16S-U	5044	1.0		
Power Equipment	70039 / 70041			3.7	5.0	W16S-U	5044	1.0		
Power Equipment	82001 / 82002			7.4	10.0	W22FS-U	4025	0,8	W22FSR	4024
Power Equipment	82003			5.1	7.0	W22FS-U	4025	0,8	W22FSR	4024
Power Equipment	82005 / 82009 / 82017			4.6	6.2	W16FS-U	3034	0,8	W16FSR	3033
Power Equipment	82006			4.6	6.2	W22FS-U	4025	0,8	W22FSR	4024
Power Equipment	82007 / 82011 / 82029			4.9	6.6	W16FS-U	3034	0,8	W16FSR	3033
Power Equipment	82008 / 82010			4.8	6.5	W16FS-U	3034	0,8	W16FSR	3033
Power Equipment	82019 / 82021 / 82023			4.6	6.2	W16FS-U	3034	0,8	W16FSR	3033
Power Equipment	82026 / 82027 / 82030			5.1	7.0	W16FS-U	3034	0,8	W16FSR	3033
Power Equipment	82031			4.9	6.7	W16FS-U	3034	0,8	W16FSR	3033
Power Equipment	82032 / 82033 / 82034 / 82036			5.1	7.0	W16FS-U	3034	0,8	W16FSR	3033
Power Equipment	82038 / 82039			7.4	10.0	W22FS-U	4025	0,8	W22FSR	4024
CIFARELLI										
Brushcutters	Nuvola L - 80 / C 3					W22MP-US	6049	0,5	W22MPR-U	6043
CLEAN CUT										
Mowers	All Models					W9LM-US	6057	0,8	W9LMR-US	6071
CLINTON										
Chainsaws	D-15 / D-25 / E-75 / E-95					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	D-25					W20M-US	6036	0,6	W20MR-U	6025
Chainsaws	D-35 / D-55 / D-65					W14-US	6033	0,7		
Chainsaws	E10					W22M-US	6048	0,6		
Mowers	Chief					W14-US	6033	0,8		
Mowers	Chieftan					W16P-U	3036	0,8	W16PR-U	3037
Power Equipment	100 / V-100 / VS-100 / 190 / 200					W14L	6013	0,6		
Power Equipment	405 / 406 / 407 / 408 / 409 / 410					W14L	6013	0,6		
Power Equipment	411 / 414 / 415 / 416 / 418					W14L	6013	0,6		
Power Equipment	412 / 413 / 492 / 494 / 498 / 499					W14LM-US	6035	0,6	W14LMR-US	6072
Power Equipment	419 / 420 / 422 / 424 / 426 / 429					W14L	6013	0,6		
Power Equipment	431 / 435 / 437 / 1600 / A-1600					W14L	6013	0,6		
Power Equipment	502 / 503					W16P-U	3036	0,6	W16PR-U	3037
Power Equipment	1690 / A-2100 / VS-2100 / 2190					W14L	6013	0,6		
Power Equipment	2500 / A-2500 / B-2500 / 2590					W14L	6013	0,6		
Power Equipment	2790 / 3100 / V-3100 / AV-3100					W14L	6013	0,6		
Power Equipment	A-200 / AVS-400 / CVS-400					W14L	6013	0,6		
Power Equipment	A-300 / C-700 / D-700 / VS-900					W14LM-US	6035	0,6	W14LMR-US	6072
Power Equipment	AVS-200 / 2100 / 4190					W14L	6013	0,6		
Power Equipment	BVS-400 / 401 / 402 / 403 / 404					W14L	6013	0,6		
Power Equipment	E-65					W14LM-US	6035	0,6	W14LMR-US	6072
Power Equipment	V-1000 / VS-1000 / V-1100					W14LM-US	6035	0,6	W14LMR-US	6072
Power Equipment	VS-200 / A-400 / VS-400 / 500 / 501					W14-US	6033	0,6		
Power Equipment	VS-1100 / 1200 / A-1200 / V-1200					W14LM-US	6035	0,6	W14LMR-US	6072
Power Equipment	VS-1200 / E-1290 / VS-300					W14LM-US	6035	0,6	W14LMR-US	6072
Power Equipment	VS-3100 / AVS-3100 / 3190 / 4100					W14L	6013	0,6		
Power Equipment	VS-4100 / AVS-4100 / AVS-200 / 2100 / 4190					W14L	6013	0,6		
CM										
	CA148L / CA180L / CA295 / CA340					W16FS-U	3034	0,5	W16FSR	3033
	CA450 / CA550					M14	5001	0,5		
	CM46 / CM80 / CM90 / CM115 / CM24/1A					W16FS-U	3034	0,5	W16FSR	3033
COLUMBIA										
Mowers	All Models					W9LM-US	6057	0,8	W9LMR-US	6071
Tractors		B & S Engine				W9LM-US	6057	0,8	W9LMR-US	6071
Tractors		Tecumseh Engine				W14LM-US	6035	0,7	W14LMR-US	6072
COMET										
Chainsaws	D-4 / D-58					W20M-US	6036	0,6	W20MR-U	6025
Chainsaws	D-51					W16LS	3035	0,6		
COMMERCIAL CLIPPER										
Mowers (Riding)	1810 / 2010 : M18		Kohler Engine					0,6	T14PR-U	5020
Mowers (Riding)	1810 / 2010 : M20		Kohler Engine					0,8	T16PR-U	5025

				KW	HP	Standard			Alternative	
										
COMPANION										
Chainsaws	MS1 / MS2 / RS1 / RS2					W16FS-U	3034	0,5	W16FSR	3033
CONTOUR										
Mowers	All Models					W9LM-US	6057	0,8	W9LMR-US	6071
CORNEL										
Log Splitters						W20M-US	6036	0,6	W20MR-U	6025
COUNTRY CLIPPER										
Mowers (Riding)						W14-US	6033	0,8		
COVENTRY VICTOR										
	AN-3 / WN-3					W20ES-U	3051	0,5	W20ESR-U	3057
	Midget					W16FS-U	3034	0,5	W16FSR	3033
	Neptune AC4 / 'N' Type AN4					W22ES-U	3093	0,5	W22ESR-U	3098
	Other Models					W22ES-U	3093	0,5	W22ESR-U	3098
CRAFTSMAN										
Brushcutters	271 / 281514 / 281514 / 611.281514					W20M-US	6036	0,6	W20MR-U	6025
Chainsaws	1.9PS / 2.0 / 2.1A					W20M-US	6036	0,6	W20MR-U	6025
Chainsaws	271-1.8 / 271-2.7A / VL ,271 / 4.3A / VL					W20M-US	6036	0,6	W20MR-U	6025
Chainsaws	3.5 - 20 / 4.5 - 23 / Beaver 1.9					T22M-U	6041	0,6		
Chainsaws	3.7 / 3.7A / 3.7PS					W22M-US	6048	0,6		
Chainsaws	352030 / 352060 / 352090					W20M-US	6036	0,6	W20MR-U	6025
Chainsaws	35231 / 35251 / 358840 / 358860					W20M-US	6036	0,6	W20MR-U	6025
Chainsaws	358850					W20MP-U	6023	0,6		
Chainsaws	D44 / D49					W20S-U	3075	0,6	W20SR-U	3076
CROWN										
Mowers	Commando 218 / 220 / 221 / 221V / 220S					W14LM-US	6035	0,7	W14LMR-US	6072
Mowers	Commando 418 / 420 / 421					W14LM-US	6035	0,7	W14LMR-US	6072
CUB CADET										
Log Splitters			Tecumseh / B&S Eng.			W9LM-US	6057	0,8	W9LMR-US	6071
Mowers			Kohler Engine	7,3 - 8,3	10 - 12	W14L	6013	0,8		
Mowers			B & S Engine	2,5 - 8	3,5 - 11	W9LM-US	6057	0,8	W9LMR-US	6071
Mowers	M18		Kohler Engine	13.2	18.0			0,6	T14PR-U	5020
Mowers	OHV		B & S Engine	6,2 - 11	8,5 - 15			0,8	Q16PR-U	3137
CUSHMAN										
Mowers			'80			MA16P-U	5007	0,8	MA16PR-U	5008
Mowers	218					MA16P-U	5007	0,8	MA16PR-U	5008
DACON										
Mowers	All Models					W20M-US	6036	0,8	W20MR-U	6025
DANARM / KAAZ										
Brushcutters	J Series / V Series					W20M-US	6036	0,6	W20MR-U	6025
Brushcutters	TM 10C / TM 20					W20M-US	6036	0,5	W20MR-U	6025
Brushcutters	TM 30B					W14M-US	6034	0,5	W14MR-U	6019
Brushcutters	Tornado 18E / 24E / 33E / 40E / 50E					W20M-US	6036	0,5	W20MR-U	6025
Brushcutters	Whipper 16 / 18E					W20M-US	6036	0,5	W20MR-U	6025
Chainsaws	1-36 / 1-36-SS / 55 / 36AV / 1-36 Mk II					W22M-US	6048	0,7		
Chainsaws	110 Auto / 125 Auto.					W14-US	6033	0,7		
Chainsaws	55LH / RH / 76 / 2-36-SS / 1-71 / 1-71-SS					W22M-US	6048	0,5		
Hedge Trimmers	KT12		Kawasaki Engine			W22M-US	6048	0,6		
DASCO										
Log Splitters						W20M-US	6036	0,6	W20MR-U	6025
DAVID BRADLEY										
Chainsaws		(Ø 14mm thread)				W14-US	6033	0,5		
Chainsaws		(Ø 18mm thread)				L14-U	5000	0,6	L14R-U	5049
DAYTON										
Chainsaws	2Z-461 / 2Z-462 / 2Z-463 / 2Z-463B					W20M-US	6036	0,6	W20MR-U	6025
Chainsaws	2Z-573 / 2Z-760 / 2Z-970 / 2Z-970B / 2Z-971					W20M-US	6036	0,6	W20MR-U	6025
Chainsaws	4Z-022 / 4Z-023 / 4Z-023B / 4Z-190C					W20M-US	6036	0,6	W20MR-U	6025
Chainsaws	4Z-251A / 4Z-397 / 7Z-267					W20M-US	6036	0,6	W20MR-U	6025
Chainsaws	4Z-252 / 4Z-253					W20MP-U	6023	0,5		
Chainsaws	253					W22M-US	6048	0,5		
Chainsaws	255					W20M-US	6036	0,5	W20MR-U	6025
Tractors			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071
DEINES										
Mowers			Tecumseh Engine			W14-US	6033	0,8		
Mowers	Executive 64		Kohler Engine			W14-US	6033	0,6		
Mowers	Paragon		Villiers Engine			W20ES-U	3051	0,5	W20ESR-U	3057







				KW	HP	Standard			Alternative	
										
DEINES <i>continued</i>										
Mowers	Premier 30 i.n. / 60 i.n.					W14-US	6033	0,6		
Mowers	Premier 30 i.n. / 60 i.n.					W16FS-U	3034	0,6	W16FSR	3033
Mowers	Swift Mk 5					W14-US	6033	0,6		
DERBY										
Chainsaws	3230 / 5240					W20M-US	6036	0,6	W20MR-U	6025
Chainsaws	3835 / 6240					W22M-US	6048	0,5		
DIDIER										
Log Splitters						W9LM-US	6057	0,6	W9LMR-US	6071
DISSTON										
Chainsaws	KB7AY / KB6AY					W20S-U	3075	0,7	W20SR-U	3076
DIXIE CHOPPER										
Mowers						W14L	6013	0,8		
Mowers								0,8	T16PR-U	5025
Mowers								0,6	T14PR-U	5020
Mowers								0,8	T16EPR-U	5022
DIXON										
Mowers	All Models					W20M-US	6036	0,8	W20MR-U	6025
DOLMAR (SACHS-DOLMAR)										
Brushcutters	BC250 / BC330 / BC400					T20MP-U	6040	0,5		
Brushcutters / Trimmers	MS 250							0,5	W22MPR-U	6043
Brushcutters / Trimmers	MS 2300 / MS 2600 / MS3100					W22M-US	6048	0,5		
Brushcutters / Trimmers	MS 3300 / MS 340							0,5	W22MPR-U	6043
Brushcutters / Trimmers	MS 4000							0,5	W22MPR-U	6043
Brushcutters / Trimmers	MS 4500							0,5	W22MPR-U	6043
Chainsaws	100					W22M-US	6048	0,5		
Chainsaws	100 / 110					T20M-U	6039	0,5		
Chainsaws	100 / 100 S					T20MP-U	6040	0,5		
Chainsaws	102					T20MP-U	6040	0,5		
Chainsaws	101 / 103 / 104 / 105					W22M-US	6048	0,5		
Chainsaws	106 Model 255 / 108 / 110					W22M-US	6048	0,5		
Chainsaws	109							0,5	W22MPR-U	6043
Chainsaws	110 i							0,5	W22MPR-U	6043
Chainsaws	111							0,5	W22MPR-U	6043
Chainsaws	112 / 114 / 117 / 119					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	115 i							0,5	W22MPR-U	6043
Chainsaws	116 Si							0,5	W22MPR-U	6043
Chainsaws	113 / 116					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	118 / 120 / 122 / 122S / 122SL / 128MKS4 / 144 / 152					W22M-US	6048	0,5		
Chainsaws	120 Si							0,5	W22MPR-U	6043
Chainsaws	122 / 123 / 128 KMS4 (Rotary)					W22MP-US	6049	0,7	W22MPR-U	6043
Chainsaws	123 / 133 / 153 / 160 / 166 / 170					W22MP-US	6049	0,7	W22MPR-U	6043
Chainsaws	133 S							0,5	W22MPR-U	6043
Chainsaws	143							0,5	W22MPR-U	6043
Chainsaws	144 / 152 / 309 / 310 / S6000					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	309							0,5	W22MPR-U	6043
Chainsaws	343							0,5	W22MPR-U	6043
Chainsaws	PS 340 /-341					T20MP-U	6040	0,5		
Chainsaws	PS 400 /-401 /-410 /-411					T20MP-U	6040	0,5		
Chainsaws	PS 6000 Si							0,6	W22MPR-U	6043
Chainsaws	PS 6800 i							0,6	W22MPR-U	6043
Chainsaws	PS 9000							0,7	W22MPR-U	6043
Engines	FM-33 / FM-40 / FM-45							0,6	W22MPR-U	6043
DUERR										
Log Splitters						W9LM-US	6057	0,6	W9LMR-US	6071
Log Splitters						W14-US	6033	0,6		
DUNLOP										
Mowers	All Models					W14-US	6033	0,8		
DUO THERM										
Mowers	All Models					W9LM-US	6057	0,8	W9LMR-US	6071
DYNAMARK										
Chainsaws	4201 / 4221 / 4222 /4223					W22MP-US	6049	0,7	W22MPR-U	6043
Chainsaws	4241 / 4242 / 4243 /4244					W22MP-US	6049	0,7	W22MPR-U	6043
Garden Tractors						W9LM-US	6057	0,8	W9LMR-US	6071
Garden Tractors						W14-US	6033	0,6		
Mowers	All Models					W20M-US	6036	0,8	W20MR-U	6025








				KW	HP	Standard			Alternative			
												
E-Z MO												
Mowers	All Models					W9LM-US	6057	0,8	W9LMR-US	6071		
E-Z ROLL												
Mowers					Tecumseh / B&S Eng.	W9LM-US	6057	0,8	W9LMR-US	6071		
EAGER BEAVER												
Mowers					B & S Engine	W9LM-US	6057	0,8	W9LMR-US	6071		
EASY WAY												
Mowers	All Models					W9LM-US	6057	0,8	W9LMR-US	6071		
EATON												
Chainsaws	8767 / 8768-9					W14-US	6033	0,6				
Chainsaws	8930 / 8932-3					W20M-US	6036	0,6	W20MR-U	6025		
Mowers					B & S Engine	W9LM-US	6057	0,8	W9LMR-US	6071		
Mowers					Tecumseh Engine	W14LM-US	6035	0,7	W14LMR-US	6072		
ECHO												
Blower	PB200 / PB202 / PB400(E)					W20M-US	6036	0,6	W20MR-U	6025		
Blower	PB 9					W20S-U	3075	0,6	W20SR-U	3076		
Blower	ES 1000			21 cc	1.2	1.6	W22MP-US	6049	0,6	W22MPR-U	6043	
Blower	PB210E / PB300E / PB1000 / PB1010						W22MP-US	6049	0,6	W22MPR-U	6043	
Blower	PB4500(E) / PB4600 / PB6000						W22MP-US	6049	0,6	W22MPR-U	6043	
Brushcutters	CSAH302						W20M-US	6036	0,6	W20MR-U	6025	
Brushcutters	GT 140 (./-A /-B) / GTL 140 (./-A)							0,6	W20MR-U	6025		
Brushcutters	GT 200 (./-A /-B /-BE /-CE) / GT 1000							0,6	W20MR-U	6025		
Brushcutters	GT 160 (./-A /-AE /-E)						W20M-US	6036	0,6	W20MR-U	6025	
Brushcutters	GT1100						W22MP-US	6049	0,6	W22MPR-U	6043	
Brushcutters	GT 2000 / GT 2010			21 cc	1.2	1.6	W22MP-US	6049	0,6	W22MPR-U	6043	
Brushcutters	GT 2100 / GT 2101 / GT 2102 / GT 2103						W22MP-US	6049	0,5	W22MPR-U	6043	
Brushcutters	GT2400						W22MP-US	6049	0,6	W22MPR-U	6043	
Brushcutters / Trimmers	CLS 4600			46 cc	3.4	4.6	W22MP-US	6049	0,6	W22MPR-U	6043	
Brushcutters / Trimmers	RM 310 / RM 380						W22MP-US	6049	0,6	W22MPR-U	6043	
Brushcutters / Trimmers	RMA 2530			24 cc	1.5	2.0	W22MP-US	6049	0,6	W22MPR-U	6043	
Brushcutters / Trimmers	SRA 2190			21 cc	1.2	1.6	W22MP-US	6049	0,6	W22MPR-U	6043	
Brushcutters / Trimmers	SRM 140D / SRM 141DA / SRM 141D						W20M-US	6036	0,6	W20MR-U	6025	
Brushcutters / Trimmers	SRM 190						W20M-US	6036	0,6	W20MR-U	6025	
Brushcutters / Trimmers	SRM 200 (./-AE /-B /-BE /-CE /-D /-DA /-DB)			21 cc			W20M-US	6036	0,6	W20MR-U	6025	
Brushcutters / Trimmers	SRM 201 (F /-FA) / SRM-202 (DA /-FA)						W20M-US	6036	0,6	W20MR-U	6025	
Brushcutters / Trimmers	SRM 205D / SRM 401						W20M-US	6036	0,6	W20MR-U	6025	
Brushcutters / Trimmers	SRM 250 E			24 cc	1.4	1.9	W22MP-US	6049	0,6	W22MPR-U	6043	
Brushcutters / Trimmers	SRM 310 E			31 cc	1.5	2.0	W22MP-US	6049	0,6	W22MPR-U	6043	
Brushcutters / Trimmers	SRM 300E / SRM 300AE / SRM 302ADX / SRM 501DE						W22MP-US	6049	0,6	W22MPR-U	6043	
Brushcutters / Trimmers	SRM 1500 / SRM 2300 / SRM 2301 / SRM 2310						W22MP-US	6049	0,5	W22MPR-U	6043	
Brushcutters / Trimmers	SRM 2400 / SRM 2410 / SRM 2501 / SRM 2502						W22MP-US	6049	0,5	W22MPR-U	6043	
Brushcutters / Trimmers	SRM 3000 / SRM 3001 / SRM 3010						W22MP-US	6049	0,5	W22MPR-U	6043	
Brushcutters / Trimmers	SRM 2010			21 cc			W20M-US	6036	0,6	W20MR-U	6025	
Brushcutters / Trimmers	SRM 2450			24 cc	1.2	1.6	W22MP-US	6049	0,6	W22MPR-U	6043	
Brushcutters / Trimmers	SRM 3800			38 cc	2.1	2.9	W22MP-US	6049	0,6	W22MPR-U	6043	
Brushcutters / Trimmers	SRM 4600			46 cc	3.4	4.6	W22MP-US	6049	0,6	W22MPR-U	6043	
Brushcutters / Trimmers							B & S Engine	W9LM-US	6057	0,8	W9LMR-US	6071
Brushcutters / Trimmers	ED2000 / ED2000IA						W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	301 / 302 / 302S / 302VL / 304 / 315 / 315VL						W20M-US	6036	0,6	W20MR-U	6025	
Chainsaws	351 / 351VL						W20M-US	6036	0,6	W20MR-U	6025	
Chainsaws	451VL / 452VL						W20M-US	6036	0,6	W20MR-U	6025	
Chainsaws	601 / 601VL / 601S / 601SVL						W20M-US	6036	0,6	W20MR-U	6025	
Chainsaws	602EVL / 602VL / 650 / 702EVL / 702VL						W20M-US	6036	0,6	W20MR-U	6025	
Chainsaws	60S / 80Z / 100 / 280 / S-290EVL						W20M-US	6036	0,6	W20MR-U	6025	
Chainsaws	701 / 701S / 701SEL / 701VL / 701SVL						W20M-US	6036	0,6	W20MR-U	6025	
Chainsaws	801 / 802 / 802S						W20M-US	6036	0,6	W20MR-U	6025	
Chainsaws	S290 / 300EVL						W20M-US	6036	0,6	W20MR-U	6025	
Chainsaws	280E / 290VL						W20MP-U	6023	0,6			
Chainsaws	500VL / 500EVL						W20MP-U	6023	0,6			
Chainsaws	440EVL / 550EVL / 602EVL / 602VL						W22MP-US	6049	0,6	W22MPR-U	6043	
Chainsaws	610VL / 650EVL / 660EVL / 702EVL / 702VL						W22MP-US	6049	0,6	W22MPR-U	6043	
Chainsaws	750EVL / 825EVL						W22MP-US	6049	0,6	W22MPR-U	6043	
Chainsaws	900EVL / CS900 / 1001EVL						W22MP-US	6049	0,6	W22MPR-U	6043	





					KW	HP	Standard			Alternative	
											
ECHO continued											
Chainsaws	2800 / 2900						W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	QV6700						W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	CS-280 EG / CS-280 EVL / CS-285 EVL								0,6	W20MR-U	6025
Chainsaws	CS-290 EVL								0,6	W20MR-U	6025
Chainsaws	CS-6700								0,6	W22MPR-U	6043
Chainsaws	CS-300 EVL						W20MP-U	6023	0,6	W20MPR-U10	6032
Chainsaws	CS-320 EVL								0,6	W20MR-U	6025
Chainsaws	CS-330 EVL			33 cc	2.4	3.3	W20M-US	6036	0,6	W20MR-U	6025
Chainsaws	CS-400 EVL			40 cc	2.7	3.7	W20MP-U	6023	0,6		
Chainsaws	CS-400 (./-EVL /-EVL)						W20MP-U	6023	0,6		
Chainsaws	CS-500 (-VL /-EVL) / CS-510 (EVL)						W20MP-U	6023	0,6		
Chainsaws	CS-510			2-Stroke, 1-Cyl. 49 cc					0,6	W22MPR-U	6043
Chainsaws	CS-670			2-Stroke, 1-Cyl. 67 cc					0,6	W22MPR-U	6043
Chainsaws	CS-2800						W20MP-U	6023	0,6		
Chainsaws	CS-3000 / CS-3400 / CS-3450						W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	CS-3600			36 cc	2.4	3.3	W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	CS-3900			40 cc	2.8	3.8	W20MP-U	6023	0,6		
Chainsaws	CS-4000			39 cc	2.9	3.9	W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	CS-4400			Type 1-E (CDI) 43 cc					0,6	W22MPR-U	6043
Chainsaws	CS-4500 / CS-4600 / CS-4601			45 cc	3.4	4.6	W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	CS-5500 / CS-5501			55 cc	3.9	5.3	W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	CS-6701 / CS-8000						W22MP-US	6049	0,6	W22MPR-U	6043
Compressor	REC 600			32 cc	1.6	2.2	W22MP-US	6049	0,6	W22MPR-U	6043
Cultivators	PE 2000 / PE2200 / PE2201 / PE2400						W22MP-US	6049	0,6	W22MPR-U	6043
Hedge Trimmers	HC 140 / HC 160(A)						W20M-US	6036	0,6	W20MR-U	6025
Hedge Trimmers	HC 200 / HC 200 AE / HC 210 E						W20M-US	6036	0,6	W20MR-U	6025
Hedge Trimmers	HC 1000 / HC 1001						W20M-US	6036	0,6	W20MR-U	6025
Hedge Trimmers	HC 1500			21 cc	1.2	1.6	W20MP-U	6023	0,6		
Hedge Trimmers	HC1600						W22MP-US	6049	0,6	W22MPR-U	6043
Hedge Trimmers	HC 2000 / HC 2100						W22MP-US	6049	0,6	W22MPR-U	6043
Hedge Trimmers	HC 2400 / HC 2410						W22MP-US	6049	0,6	W22MPR-U	6043
Mowers	E 130 G / E 130 HY								0,6	W9LMR-US	6071
Power Sprayers	DM 9 / MB 400 / SHR200E						W20M-US	6036	0,6	W20MR-U	6025
Snowthrowers	ST4500 / ST4500 E						W20MP-U	6023	0,6		
ECLIPSE											
Mowers	All Models						W9LM-US	6057	0,8	W9LMR-US	6071
ECONOMY											
Tractors	K321			Kohler Engine			W14L	6013	0,8		
EDKO											
Brushcutters							W20M-US	6036	0,6	W20MR-U	6025
Log Splitters				B & S Engine			W9LM-US	6057	0,6	W9LMR-US	6071
Mowers	All Models						W20M-US	6036	0,8	W20MR-U	6025
EFCO (EMAK)											
Brushcutters	8200 / 8260 / 8300 / 8350 / 8400						W22MP-US	6049	0,5	W22MPR-U	6043
Brushcutters	Jet 300 / 301 / 400 / 401 / 450AVS						W22MP-US	6049	0,5	W22MPR-U	6043
Brushcutters	Tiger 40 / 40S / 50						W22MP-US	6049	0,5	W22MPR-U	6043
Brushcutters	TS 330 / TS 355			Emak Engine			W22MP-US	6049	0,6	W22MPR-U	6043
Brushcutters / Trimmers	8200			Emak Engine 23 cc			W22MP-US	6049	0,6	W22MPR-U	6043
Brushcutters / Trimmers	STARK 26 / 26 TR			Emak Engine 25 cc			W22MP-US	6049	0,6	W22MPR-U	6043
Brushcutters / Trimmers	8220 IC / 8260 IC / 8260(D)			Emak Engine 34 cc			W22MP-US	6049	0,6	W22MPR-U	6043
Brushcutters / Trimmers	8300 / 8300 IC			Emak Engine 31 cc			W22MP-US	6049	0,6	W22MPR-U	6043
Brushcutters / Trimmers	8350 / 8350 IC / 8355			Emak Engine 34 cc			W22MP-US	6049	0,6	W22MPR-U	6043
Brushcutters / Trimmers	8400 / 8400 IC / 8405			Emak Engine 38 cc			W22MP-US	6049	0,6	W22MPR-U	6043
Brushcutters / Trimmers	8420 / 8420 IC / 8425			Emak Engine 41 cc			W22MP-US	6049	0,6	W22MPR-U	6043
Brushcutters / Trimmers	8510 / 8510 IC / 8515			Emak Engine 50 cc			W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	131 / 134 / 135 / 138 / 141 / 142 / 146			Emak Engine (All)			W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	151 / 156 / 162 / 170 / 180 / 199			Emak Engine (All)			W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	131			Emak Engine 30 cc	1.1	1.5	W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	134 / 135			Emak Engine 34 cc			W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	138			Emak Engine 38 cc			W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	141 / 142			Emak Engine 42 cc			W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	146			Emak Engine 46 cc			W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	151			Emak Engine 50 cc			W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	156			Emak Engine 57 cc	3.1	4.2	W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	162			Emak Engine 62 cc	3.5	4.8	W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	170			Emak Engine 71 cc			W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	180			Emak Engine 81 cc			W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	199			Emak Engine 101 cc			W22MP-US	6049	0,6	W22MPR-U	6043





				KW	HP	Standard			Alternative		
											
EFCO (EMAK) continued											
Chainsaws	Other Models					W22MP-US	6049	0,6	W22MPR-U	6043	
Drills	TR 1540		Emak Engine	38 cc	1.3	1.8	W22MP-US	6049	0,6	W22MPR-U	6043
Mowers	LR 43 PA		Tecna Engine		2.6	3.5			0,6	W14LMR-US	6072
Mowers	LR 43 PB / LR 47 PB		B&S Engine		2.8	3.8			0,5	W9LMR-US	6071
Mowers	LR 47 PA / LR 47 PAX		Tecna Engine		2.7	3.7			0,6	W14LMR-US	6072
Mowers	LR 47 PBX / LR 47 TBX		B&S Engine		3.7	5.0			0,5	W9LMR-US	6071
Mowers	MR 474 PB		B&S Engine		4.0	5.5			0,5	W9LMR-US	6071
Mowers	MR 474 TB / MR 474 TBV		B&S Engine		4.0	5.5			0,5	W9LMR-US	6071
Mowers	MR 474 TKV		Kawasaki Engine		3.7	5.0			0,6	W20EPR-U	3047
Mowers	MR 534 TB /-TBV /-TBVE		B&S Engine		4.0	5.5			0,5	W9LMR-US	6071
Mowers	MR 534 TK /-TKF /-TKV /-TKVF		Kawasaki Engine		3.7	5.0			0,6	W20EPR-U	3047
Mowers	MR 534 THV		Honda Engine		3.7	5.0			0,7	W16EPR-U	3021
Power Equipment	200 / 220			23 cc	0.6	0.8	W22MP-US	6049	0,6	W22MPR-U	6043
Power Equipment	260 / 300						W22MP-US	6049	0,6	W22MPR-U	6043
Power Equipment	310			31 cc	1.0	1.4	W22MP-US	6049	0,6	W22MPR-U	6043
Power Equipment	400 / 410 / 460			38 cc	1.3	1.8	W22MP-US	6049	0,6	W22MPR-U	6043
Power Sprayers	AT 2050 / AT 2080		Emak Engine				W22MP-US	6049	0,6	W22MPR-U	6043
Pumps	PA 1030 / PA 1040		Emak Engine				W22MP-US	6049	0,6	W22MPR-U	6043
Pumps	PC 1050 / PA 1100		Emak Engine				W22MP-US	6049	0,6	W22MPR-U	6043
ENGORE											
Mowers			Kawasaki Engine		9.2	12.5	W14M-US	6034	0,8	W14MR-U	6019
Mowers			B & S Engine		8.8	12.0	W9LM-US	6057	0,8	W9LMR-US	6071
Mowers	2-Cyl		B & S Engine		13.2	18.0	W14-US	6033	0,8		
Mowers	OHV		Kawasaki Engine		10.3	14.0	W16EP-U11	3199	1,1	W16EPR-U11	3201
EXMARK											
Mowers			B & S Engine				W9LM-US	6057	0,8	W9LMR-US	6071
Mowers	FB460V		Kawasaki Engine				W14-US	6033	0,8		
Mowers	GV400		Honda Engine				W20M-US	6036	0,8	W20MR-U	6025
Mowers	KF150		Kawasaki Engine		10.3	14.0	W16FS-U	3034	0,8	W16FSR	3033
Mowers	OHV		Kawasaki Engine		10.3	14.0	W16EP-U11	3199	1,1	W16EPR-U11	3201
Mowers	All Models						W9-U	6004	0,8		
FALLS ROTO CLIPPER											
Mowers	All Others						W9LM-US	6057	0,8	W9LMR-US	6071
Mowers	Power Product						W20M-US	6036	0,8	W20MR-U	6025
FARMER											
Chainsaws	F55 / F55A / F65						W22M-US	6048	0,7		
FERRIS											
Mowers	OHV		Kawasaki Engine				W20EP-U	3043	0,8	W20EPR-U	3047
FICHTEL & SACHS											
Brushcutters			Kawasaki Engine				W20M-US	6036	0,6	W20MR-U	6025
Chainsaws	Sachs KS30 / KS31						W22FS-U	4025	0,6	W22FSR	4024
Famo	50 (Saxonette)						W16FS-U	3034	0,6	W16FSR	3033
Famo	50-1 MAX / 50-1MB						W22FS-U	4025	0,5	W22FSR	4024
Famo	50-1MI / 50-1MINI / 50-2C / 50-2DK / 50-2DNL						W16FS-U	3034	0,6	W16FSR	3033
Famo	50-2DKD / 50-2KS / 50-2MAKSF / 50-2MANI / 50-2MASF						W16FS-U	3034	0,6	W16FSR	3033
Famo	50-2MAX / 50-2MLAX / 50-2MLB / 50-2MB						W22FS-U	4025	0,5	W22FSR	4024
Famo	50-2MLC / 50-2S						W16FS-U	3034	0,6	W16FSR	3033
Famo	50-3CN; / 50-33 / 50-3KFS						W16FS-U	3034	0,6	W16FSR	3033
Famo	50-3KHNL / 50-3KLH						W22FS-U	4025	0,5	W22FSR	4024
Famo	50-3LFH / 50-3LHX						W24FS-U	4038	0,5	W24FSR	4037
Famo	50-3LFS						W16FS-U	3034	0,6	W16FSR	3033
Famo	50-3LKH						W22FS-U	4025	0,5	W22FSR	4024
Famo	50-3LS / 50-3MAI						W16FS-U	3034	0,6	W16FSR	3033
Famo	50-3MAKFX						W22FS-U	4025	0,5	W22FSR	4024
Famo	50-3MAKSF / 50-3MANI / 50-3MAKI						W16FS-U	3034	0,6	W16FSR	3033
Famo	50-3MASF / 50-3MAX / 50-3MB / 50-3MKX						W22FS-U	4025	0,5	W22FSR	4024
Famo	50-3MLANL						W16FS-U	3034	0,6	W16FSR	3033
Famo	50-3MLFB / 50-3MLKB / 50-3MLFB / 50-3MLKAX						W22FS-U	4025	0,5	W22FSR	4024
Famo	50-3NL						W16FS-U	3034	0,6	W16FSR	3033
Famo	50-4CFNL						W16FS-U	3034	0,6	W16FSR	3033
Famo	50-4FDX / 50-4EKF						W22FS-U	4025	0,5	W22FSR	4024
Famo	50-4LFHNL						W24FS-U	4038	0,5	W24FSR	4037
Famo	50-4LFNL / 50-5LKS						W16FS-U	3034	0,6	W16FSR	3033

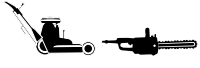







				KW	HP	Standard			Alternative		
											
FICHTEL & SACHS <i>continued</i>											
Famo	50-4LKH / 50-4MLFANL / 50-4MLFB / 50-4MLKAX					W22FS-U	4025	0,5	W22FSR	4024	
Famo	50-6AGS					W27FS-U	4052	0,6	W27FSR	4054	
Famo	50-6BGS					W24FS-U	4038	0,5	W24FSR	4037	
Famo	50-6SW					W27ES-U	4046	0,5	W27ESR-U	4045	
Famo	50ADX / 50ADLX / 50AEX / 50AMALX / 50AMAX					W22FS-U	4025	0,5	W22FSR	4024	
Famo	50ALS / 50AMAI / AMASF					W16FS-U	3034	0,6	W16FSR	3033	
Famo	50AML / 50AMLC / 50AMLS / 50AS / 50MC / 50-1MASF					W16FS-U	3034	0,6	W16FSR	3033	
Famo	50S / 50SA / 80S					W24FS-U	4038	0,5	W24FSR	4037	
Famo	50SW					W27ES-U	4046	0,4	W27ESR-U	4045	
Famo	501-3BF / 501-3BKF					W16FS-U	3034	0,6	W16FSR	3033	
Famo	501-4AKFX / 501-4BF / 501-4BKF / 501-4CKF					W22FS-U	4025	0,5	W22FSR	4024	
Famo	502-1A / 502-1ACH / 502-1ADK					W16FS-U	3034	0,6	W16FSR	3033	
Famo	502-1AKFX					W22FS-U	4025	0,5	W22FSR	4024	
Famo	502-1ANL / 502-1AS / 502-1ASF / 502-1AX / 502-1B					W16FS-U	3034	0,6	W16FSR	3033	
Famo	503-2BLCH					W16FS-U	3034	0,6	W16FSR	3033	
Famo	503-ABLCH					W22FS-U	4025	0,5	W22FSR	4024	
Famo	504-1A / 504-1ADK / 504-1ANL / 504-1B / 504-1BS					W16FS-U	3034	0,6	W16FSR	3033	
Famo	504-1C / 504-2A / 504-2B					W16FS-U	3034	0,6	W16FSR	3033	
Famo	505-1A / 505-1B / 505-1C					W16FS-U	3034	0,6	W16FSR	3033	
Famo	505-2AKS / 505-2AKSF / 505-2ANL					W16FS-U	3034	0,6	W16FSR	3033	
Famo	505-2B / 505-2C / 505-2CK / 505-2D / 505-2DK					W16FS-U	3034	0,6	W16FSR	3033	
Famo	506-4AKF					W16FS-U	3034	0,6	W16FSR	3033	
Famo	1001-5A / 1001-6B / 1001-6C					W24FS-U	4038	0,5	W24FSR	4037	
Famo	1001-5AGS / 1001-6BGS / 1001-6CGS					W27FS-U	4052	0,6	W27FSR	4054	
Famo	1251-5A / 1251-5B					W24FS-U	4038	0,5	W24FSR	4037	
Famo	1251-5AGS / 1251-5CMC / 1251-5EMC					W27FS-U	4052	0,5	W27FSR	4054	
Famo	1251-5AL					W22FS-U	4025	0,5	W22FSR	4024	
Famo	1251-6B / 1251-6C					W24FS-U	4038	0,5	W24FSR	4037	
Famo	1251-BGS / 1251-4D / 1251-6DGS					W27FS-U	4052	0,6	W27FSR	4054	
Famo	1252-7A					W27ES-U	4046	0,6	W27ESR-U	4045	
Famo	2001 / 2401-7A / 2501-5AMC / 2501-7A / 2551-7A					W27ES-U	4046	0,6	W27ESR-U	4045	
KC	27					W22ES-U	3093	0,5	W22ESR-U	3098	
KM	48 / 914A					W16FS-U	3034	0,6	W16FSR	3033	
Mowers			Sachs Engine			W16FS-U	3034	0,5	W16FSR	3033	
Sachs	50					W22FS-U	4025	0,6	W22FSR	4024	
Sachs	50S / 80S					W22FS-U	4025	0,6	W22FSR	4024	
Sachs	51 / 75RM / 76RM / SB96					W16FS-U	3034	0,6	W16FSR	3033	
Sachs	1004S / 1005S					M22	5003	0,6			
Sachs	175 / 200 / 1003 / 1004					M22	5003	0,5			
Sachs	501					W22FS-U	4025	0,5	W22FSR	4024	
Sachs	505 / 508					W16FS-U	3034	0,5	W16FSR	3033	
Sabo (SB)	SB 93		98 cc	1.7	2.3	W14F-U	4012	0,5	W14FR-U	4017	
Sabo (SB)	SB 102		102 cc	2.0	2.8	W16FS-U	3034	0,5	W16FSR	3033	
Sabo (SB)	SB 126 (.. / -A / -B)		132 cc	2.7	3.7	W16FS-U	3034	0,5	W16FSR	3033	
Sabo (SB)	SB 130		123 cc	2,1 - 2,4	2,9 - 3,3			0,5	W14PR-U	6021	
Sabo (SB)	SB 130 L / SB 130 SL		123 cc	2,1	2,9			0,5	W14PR-U	6021	
Sabo (SB)	SB 135		123 cc	2,2	3,0			0,5	W14PR-U	6021	
Sabo (SB)	SB 140		142 cc	2,5 - 2,8	3,4 - 3,8			0,5	W14PR-U	6021	
Sabo (SB)	SB 140 SL		142 cc	2,6	3,5			0,5	W14PR-U	6021	
Sabo (SB)	SB 151 (.. / -A / -B)		151 cc	3,3	4,5	W16FS-U	3034	0,5	W16FSR	3033	
Sabo (SB)	SB 152		151 cc	3,1	4,2	W16FS-U	3034	0,5	W16FSR	3033	
Sabo (SB)	SB 220		123 cc	2,0	2,7			0,5	W14PR-U	6021	
Sabo (SB)	SB 123 / SB 125 / SB 150					W16FS-U	3034	0,6	W16FSR	3033	
Sabo (SB)	97	(Ø 14mm thread)				W16FS-U	3034	0,6	W16FSR	3033	
Sabo (SB)	97	(Ø 18mm thread)				M14	5001	0,5			
Stamo	ST 30 / ST 50					Partial load	W16FS-U	3034	0,5	W16FSR	3033
Stamo	ST 30 / ST 50					Full load	W20FS-U	3073	0,5	W20FSR-U	6053
Stamo	ST 75 / ST 76		Partial load	75 cc	2.0	2.7	W16FS-U	3034	0,5	W16FSR	3033







				KW	HP	Standard			Alternative			
												
FICHTEL & SACHS <i>continued</i>												
Stamo	ST 75 / ST 76		Full load 75 cc	2.0	2.7	W22FS-U	4025	0,5	W22FSR	4024		
Stamo	ST 96		Partial load 93 cc	2.7	3.7	W16FS-U	3034	0,5	W16FSR	3033		
Stamo	ST 96		Full load 93 cc	2.7	3.7	W22FS-U	4025	0,5	W22FSR	4024		
Stamo	ST 102 / ST 126 / ST 151		Partial load	2,2 - 4,4	3,0 - 6	W16FS-U	3034	0,5	W16FSR	3033		
Stamo	ST 102 / ST 126 / ST 151		Full load	2,2 - 4,4	3,0 - 6	W22FS-U	4025	0,5	W22FSR	4024		
Stamo	ST 203		Partial load 202 cc	4,4 - 6,3	6,0 - 8,5	M14	5001	0,5				
Stamo	ST 203		Full load 202 cc	4,4 - 6,3	6,0 - 8,5	M22	5003	0,5				
Stamo	ST 204 / ST 251	(Ø 14mm thread)	Partial load	4,4 - 7,1	6,0 - 9,7	W16FS-U	3034	0,5	W16FSR	3033		
Stamo	ST 204 / ST 251	(Ø 14mm thread)	Full load	4,4 - 7,1	6,0 - 9,7	W22FS-U	4025	0,5	W22FSR	4024		
Stamo	ST 204 / ST 251	(Ø 18mm thread)	Partial load	4,4 - 7,1	6,0 - 9,7	M14	5001	0,5				
Stamo	ST 204 / ST 251	(Ø 18mm thread)	Full load	4,4 - 7,1	6,0 - 9,7	M22	5003	0,5				
Stamo	ST 282		275 cc	6,2 - 8,0	8,5 - 11,0	M22	5003	0,5				
Stamo	ST 301 A / SB 301 AB							0,5	W14PR-U	6021		
Power Equipment	Series 504 / 505 / 508					W16FS-U	3034	0,8	W16FSR	3033		
Power Equipment	ST - 96 / ST - 151					W22FS-U	4025	0,5	W22FSR	4024		
Power Equipment	ST - 204 / ST - 251 / ST -282					M22	5003	0,5				
FLEURELLE												
Mowers	BA 471 (Tecumseh centura 50 DX)		Tecumseh 50 DX 163 cc	3.3	4.5			0,7	W9LMR-US	6071		
FLOWTRON												
Log Splitters						W20M-US	6036	0,6	W20MR-U	6025		
FLYMO												
Mowers			Aspera Engine			W14-US	6033	0,8				
Mowers			B & S Engine			W20M-US	6036	0,7	W20MR-U	6025		
Mowers			Tecna Engine			W14LM-US	6035	0,6	W14LMR-US	6072		
Mowers	EC10		Robin Engine			W14-US	6033	0,8				
Mowers	KAV74		Kirby Engine			W9P-U	6006	0,5	W9PR-U	6007		
FORD												
Chainsaws	Eagle I, Eagle II, Hawk					W20M-US	6036	0,6	W20MR-U	6025		
Log Splitters						W20M-US	6036	0,6	W20MR-U	6025		
Mowers	All Models					W20M-US	6036	0,8	W20MR-U	6025		
Tractors			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071		
Tractors			Tecumseh Engine			W14-US	6033	0,8				
Tractors	K241 / K321 / K301 / K341 / K532		Kohler Engine			W14L	6013	0,8				
FORESTER												
Chainsaws	CS-100 / CS350 / CS-580					W14M-US	6034	0,7	W14MR-U	6019		
FRONTIER - TML												
Chainsaws	Einhell / Fercard / Rocky					W22M-US	6048	0,7				
Chainsaws	F35 / FB35					W22M-US	6048	0,7				
Chainsaws	F35VIP / FB35VIP					W22M-US	6048	0,7				
Chainsaws	Greens B / Pioneer / Ranch					W22M-US	6048	0,7				
Chainsaws	Mark I / VIP					W22M-US	6048	0,7				
Chainsaws	Star Diffusion					W22M-US	6048	0,7				
FUJI (ROBIN)												
Brushcutters	NB02 / NB16 / -F / -Z					W22M-US	6048	0,6				
Brushcutters	NB03 / NB04 / NB 30 / NB40					W22FS-U	4025	0,6	W22FSR	4024		
Brushcutters	NB23 / -F / -M / -S					W22M-US	6048	0,7				
Brushcutters	NB26 / NB26AW / NB31 / NB31AU / NB50 (L)					W22M-US	6048	0,7				
Brushcutters	NB171 / NB211 / NB231					W22M-US	6048	0,7				
Brushcutters	NB262 / NB263 / NB351 / NB411 / NB411AU					W22MP-US	6049	0,7	W22MPR-U	6043		
Brushcutters	NBF171 / NBF211 / NBF231					W22M-US	6048	0,7				
Brushcutters	NBK23 / NBK231 / NBK232		20 cc	0.8	1.1	W22M-US	6048	0,7				
Brushcutters	NBT415 / NBPT415					W22MP-US	6049	0,7	W22MPR-U	6043		
Generators	R 550							0,7	W14MR-U	6019		
Generators	RGX 370 / RGX 480							0,7	W14FPR-U	4184		
Generators	RGX 150 / RGX 200 / RGX270							0,7	W20FSR-U	6053		
Generators	R1000							0,7	W20FSR-U	6053		

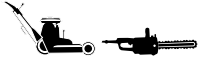








				KW	HP	Standard			Alternative	
										
FUJI (ROBIN) continued										
Power Equipment	EC01 A / ER / R		2-Stroke			W22M-US	6048	0,7		
Power Equipment	EC02 ER / EHR / F / G		2-Stroke	22 cc	0.7	1.1	W22M-US	6048	0,7	
Power Equipment	EC03 F / EC05 M		2-Stroke				W22M-US	6048	0,7	
Power Equipment	EC03 ER / EC04ER / EC025 E		2-Stroke				W22MP-US	6049	0,7	W22MPR-U 6043
Power Equipment	EC06		2-Stroke				W20FS-U	3073	0,7	W20FSR-U 6053
Power Equipment	EC08 / EC17		2-Stroke				W22FS-U	4025	0,7	W22FSR 4024
Power Equipment	EC10		2-Stroke	98 cc	2.9	4.0	W14-US	6033	0,7	
Power Equipment	EC12		2-Stroke	118 cc	3.7	5.0	W20M-US	6036	0,7	W20MR-U 6025
Power Equipment	EC022 G / EC025 G		2-Stroke				W22M-US	6048	0,7	
Power Equipment	EH09		4-Stroke	86 cc	1.8	2.4	W20M-US	6036	0,7	W20MR-U 6025
Power Equipment	EH12		4-Stroke	121 cc	2.9	4.0	W20ES-U	3051	0,7	W20ESR-U 3057
Power Equipment	EH12-2		4-Stroke	121 cc	2.9	4.0	W20FS-U	3073	0,7	W20FSR-U 6053
Power Equipment	EH17		4-Stroke	172 cc	4.5	6.0	W20FS-U	3073	0,7	W20FSR-U 6053
Power Equipment	EH17-2		4-Stroke	172 cc	4.5	6.0	W20FS-U	3073	0,7	W20FSR-U 6053
Power Equipment	EH25		4-Stroke	251 cc	6.3	8.5	W20FS-U	3073	0,7	W20FSR-U 6053
Power Equipment	EH25-2		4-Stroke	251 cc	6.3	8.5	W20FS-U	3073	0,7	W20FSR-U 6053
Power Equipment	EH30		4-Stroke	291 cc	6.6	9.0	W20EP-U	3043	0,7	W20EPR-U 3047
Power Equipment	EH34		4-Stroke	338 cc	8.1	11.0	W20EP-U	3043	0,7	W20EPR-U 3047
Power Equipment	EH36		4-Stroke	404 cc	8.6	11.5	W20EP-U	3043	0,7	W20EPR-U 3047
Power Equipment	EH41		4-Stroke	404 cc	10.1	13.5	W20EP-U	3043	0,7	W20EPR-U 3047
Power Equipment	EH63		4-Stroke	653 cc	13.4	18.0	W20EP-U	3043	0,7	W20EPR-U 3047
Power Equipment	EH63V		4-Stroke	653 cc	13.4	18.0	W20EP-U	3043	0,7	W20EPR-U 3047
Power Equipment	EH64		4-Stroke	653 cc	15.3	20.5	W20EP-U	3043	0,7	W20EPR-U 3047
Power Equipment	EH65		4-Stroke	653 cc	16.4	22.0	W20EP-U	3043	0,7	W20EPR-U 3047
Power Equipment	EH65V		4-Stroke	653 cc	16.4	22.0	W20EP-U	3043	0,7	W20EPR-U 3047
Power Equipment	EH72		4-Stroke	653 cc	18.6	25.0		0,7	W20EPR-U 3047	
Power Equipment	EY 08		4-Stroke	77 cc	1.5	2.0	W14M-US	6034	0,7	W14MR-U 6019
Power Equipment	EY10 / EY13 / EY14 / EY18		4-Stroke				W20FS-U	3073	0,7	W20FSR-U 6053
Power Equipment	EY15		4-Stroke	143 cc	3.6	3.5	W20FS-U	3073	0,7	W20FSR-U 6053
Power Equipment	EY21		4-Stroke				W14F-U	4012	0,7	W14FR-U 4017
Power Equipment	EY23		4-Stroke	225 cc	4.4	6.0	W14FP-U	4013	0,5	W14FPR-U 4184
Power Equipment	EY28		4-Stroke	273 cc	5.5	7.5	W20FP-U	3068	0,7	W20FPR-U 3070
Power Equipment	EY20 / EY25 / EY27 / EY33		4-Stroke				W20FS-U	3073	0,7	W20FSR-U 6053
Power Equipment	EY35 / EY40 / EY44 / EY150		4-Stroke				W20FS-U	3073	0,7	W20FSR-U 6053
Power Equipment	EX13		4-Stroke	126 cc	3.2	4.3	W20FS-U	3073	0,7	W20FSR-U 6053
Power Equipment	EX17		4-Stroke	169 cc	4.3	5.7	W20FS-U	3073	0,7	W20FSR-U 6053
Power Equipment	EX21		4-Stroke	211 cc	5.2	7.0	W20FS-U	3073	0,7	W20FSR-U 6053
Power Equipment	EX27		4-Stroke	265 cc	6.7	9.0	W20FS-U	3073	0,7	W20FSR-U 6053
FUTURA										
Log Splitters			Tecumseh Engine				W14-US	6033	0,6	
GARDEN PRIDE										
Mowers	All Models						W20M-US	6036	0,8	W20MR-U 6025
GARDEN PRO										
Tractors			B & S Engine				W9LM-US	6057	0,8	W9LMR-US 6071
GIANT MOW										
Mowers			B & S Engine				W9LM-US	6057	0,8	W9LMR-US 6071
Mowers	FB460V		Kawasaki Engine				W14-US	6033	0,8	
Mowers	GV400		Honda Engine				W14-US	6033	0,8	
GIANT VAC										
Log Splitters			B & S Engine				W9LM-US	6057	0,6	W9LMR-US 6071
GILSON										
Mowers	All Models						W20M-US	6036	0,8	W20MR-U 6025
GOLDEN BOY										
Mowers	All Models						W20M-US	6036	0,8	W20MR-U 6025
GOLDEN STAR										
Brushcutters	KFB633DX / KFB640DX						W20M-US	6036	0,6	W20MR-U 6025
Brushcutters	KFS218LD / KFS418DX / KFS424DX						W20M-US	6036	0,6	W20MR-U 6025
GOLF										
Mowers	All Models						W20M-US	6036	0,8	W20MR-U 6025
GOODALL										
Garden Tractors							W14-US	6033	0,7	
GRAINGER										
Chainsaws	2Z573 / 2Z760 / 2Z970 / 2Z971						W20M-US	6036	0,6	W20MR-U 6025
Chainsaws	4Z022 / 4Z023						W20M-US	6036	0,6	W20MR-U 6025
GRASS MASTER (PRO-TURF)										
Mowers			B & S Engine				W9LM-US	6057	0,8	W9LMR-US 6071
GRASSHOPPER										
Mowers	K341		Kohler Engine				W14L	6013	0,8	







				KW	HP	Standard			Alternative	
									R 	
GRAVELY										
Mowers			B & S Engine			W20M-US	6036	0,7	W20MR-U	6025
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071
Mowers			Continental			W16FP-U	4019	0,7	W16FPR-U	4192
Mowers			Kohler Engine			W14LM-US	6035	0,7	W14LMR-US	6072
Mowers			Kohler Engine			W9LM-US	6057	0,8	W9LMR-US	6071
Mowers			Onan Engine			W16LS	3035	0,7		
Mowers	Riding		Kohler Engine			W16LS	3035	0,7		
GREEN ACRES										
Mowers	All Models					W20M-US	6036	0,8	W20MR-U	6025
Tractors						W20M-US	6036	0,7	W20MR-U	6025
GREEN MACHINE										
Brushcutters	All Models					W22M-US	6048	0,7		
Chainsaws	7100 / 7200 / 7400					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	7600 / 7700					W22MP-US	6049	0,7	W22MPR-U	6043
GREENS										
Mowers			Villiers			W22FS-U	4025	0,5	W22FSR	4024
Mowers	Zephyr		B & S Engine			W14-US	6033	0,7		
GULF										
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071
Mowers			Tecumseh Engine			W14-US	6033	0,8		
GUTBROD										
Mowers	HB40 / HB40L / HB45 / HB45E / HB45LE / HB45REL		B & S Engine			W20M-US	6036	0,5	W20MR-U	6025
Mowers	HB46-2T		B & S Engine			W20M-US	6036	0,5	W20MR-U	6025
Mowers	HB46-4T		Tecna Engine			W20M-US	6036	0,5	W20MR-U	6025
Mowers	HB46R / HB55R					W20M-US	6036	0,5	W20MR-U	6025
Mowers	HB255REL / SB51R					W20M-US	6036	0,5	W20MR-U	6025
Mowers	Prof 430G / 510		B & S Engine			W20M-US	6036	0,5	W20MR-U	6025
Mowers	Prof 510FSR		Sachs Engine			W20M-US	6036	0,5	W20MR-U	6025
Power Equipment	140V4 / 162MS4 / 245H4 / 245HL4 / 245HR4					W14LM-US	6035	0,5	W14LMR-US	6072
Tractors	510EBS / 610EBS / 610EBS		Tecumseh Engine			W20M-US	6036	0,5	W20MR-U	6025
Tractors	BM100-2G / MB60-30 / MB60-52					W20M-US	6036	0,5	W20MR-U	6025
Tractors	BM100-4BS / ZB100 / BM700		B & S Engine			W20M-US	6036	0,5	W20MR-U	6025
Tractors	SR800					W16FS-U	3034	0,5	W16FSR	3033
HAHN										
Mowers	All Models					W14-US	6033	0,8		
HAKO										
Mowers		(Ø 14mm thread)	JLO Engine			W22FS-U	4025	0,6	W22FSR	4024
Mowers		(Ø 18mm thread)	JLO Engine			M22	5003	0,6		
Mowers	Hakaboy 8611					M22	5003	0,6		
Mowers	Hako Combinette / Hako Variette		F & S Engine			W16FS-U	3034	0,6	W16FSR	3033
Mowers	Hakorette 150 / 200					W16FS-U	3034	0,6	W16FSR	3033
Mowers	Hakorette 5003 / 5004 / 5005 / 5007					M22	5003	0,6		
Mowers	Hakorette 5008 / 5027 / 5035					M22	5003	0,6		
Mowers	Hakotrak 700 / 1000					W14-US	6033	0,6		
Mowers	Hakotrak 1200 / 1400					W16FS-U	3034	0,6	W16FSR	3033
Mowers	Hakotrak 2000					W16LS	3035	0,6		
Mowers			B & S Engine			W20M-US	6036	0,6	W20MR-U	6025
Mowers	Rasentrak 800E					W14-US	6033	0,6		
HANNIBAL										
Mowers	All Models					W9LM-US	6057	0,8	W9LMR-US	6071
HAYTER										
Mowers			B & S Engine			W20M-US	6036	0,7	W20MR-U	6025
Mowers			Kohler Engine			W14LM-US	6035	0,7	W14LMR-US	6072
Mowers			Tecumseh Engine			W14LM-US	6035	0,7	W14LMR-US	6072
HECKENDORN										
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071
Mowers			Kohler Engine			W14L	6013	0,8		
Mowers			Wisconsin Engine			L14-U	5000	0,8	L14R-U	5049
HEFTY										
Tractors			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071
HIRTH										
Mowers	240 / 241					W16FS-U	3034	0,6	W16FSR	3033
Power Equipment	04		40 cc	1.5	2.0	W22MP-US	6049	0,5	W22MPR-U	6043
Power Equipment	08		48 cc	2.2	3.1	W22FS-U	4025	0,5	W22FSR	4024
Power Equipment	102 / 241					W16FS-U	3034	0,5	W16FSR	3033
Power Equipment	1440		133 cc	2.9	4.0	W20FS-U	3073	0,5	W20FSR-U	6053

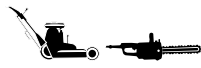







				KW	HP	Standard			Alternative	
										
HIRTH <i>continued</i>										
Power Equipment	152		141 cc	3.7	5.0	W20FS-U	3073	0,5	W20FSR-U	6053
Power Equipment	151	(Ø 18mm thread)	141 cc	3.7	5.0	M17	5002	0,5		
Power Equipment	84 / 85 / 112	(Ø 18mm thread)				M14	5001	0,5		
Power Equipment	263		383 cc	20.0	28.0	W22ES-U	3093	0,5	W22ESR-U	3098
Power Equipment	2702		520 cc	29.0	40.0	W24FS-U	4038	0,5	W24FSR	4037
HMC										
Chainsaws	Green Machine		Zenoah Engine			W22M-US	6048	0,7		
HOFFCO										
Brushcutters / Trimmers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071
Brushcutters / Trimmers			Kawasaki Engine			W20M-US	6036	0,7	W20MR-U	6025
Brushcutters / Trimmers	638 - 16 Eng.					W14-US	6033	0,7		
Brushcutters / Trimmers	Alladin (Fuji)					W22M-US	6048	0,7		
Brushcutters / Trimmers	AV52 Power Product					W14-US	6033	0,6		
Brushcutters / Trimmers	B16 Little Hoe					W20MP-U	6023	0,6		
Brushcutters / Trimmers	BP550					W9-U	6004	0,8		
Brushcutters / Trimmers	Critter					T20M-U	6039	0,7		
Brushcutters / Trimmers	EC02R / EC01R					W20M-US	6036	0,7	W20MR-U	6025
Brushcutters / Trimmers	GT210 / GT211 / JP260					T20M-U	6039	0,7		
Brushcutters / Trimmers	GTX - R / Genie (Fuji)					W22M-US	6048	0,7		
Brushcutters / Trimmers	H1AH / G1AH / F2-2					W20M-US	6036	0,7	W20MR-U	6025
Brushcutters / Trimmers	HB220 / WT250HT					W20M-US	6036	0,7	W20MR-U	6025
Brushcutters / Trimmers	HB250					T20MP-U	6040	0,6		
Brushcutters / Trimmers	HD					W16LS	3035	0,7		
Brushcutters / Trimmers	JP300 / JP390 / XL					W20M-US	6036	0,7	W20MR-U	6025
Brushcutters / Trimmers	Little Hoe					W22MP-US	6049	0,6	W22MPR-U	6043
Brushcutters / Trimmers	MP633					W20M-US	6036	0,7	W20MR-U	6025
Brushcutters / Trimmers	PH980 / PH1700-A					W14LM-US	6035	0,7	W14LMR-US	6072
Brushcutters / Trimmers	VV / & P Series AV250					W14LM-US	6035	0,7	W14LMR-US	6072
Chainsaws	All West Bend Engines					W16LS	3035	0,7		
Chainsaws	D4 / D58 / T4 / T58					W20M-US	6036	0,8	W20MR-U	6025
Chainsaws	P10A / Power Scythe					W14-US	6033	0,7		
Chainsaws	S480 Series / Super 510					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	Sickle Bar (Fuji)					W22M-US	6048	0,7		
Chainsaws	Super 88 / D51 / S510					W16LS	3035	0,8		
Chainsaws	Timberline T47					W14-US	6033	0,8		
Chainsaws	Timberline T81					W20S-U	3075	0,8	W20SR-U	3076
Chainsaws	V - 3					W14-US	6033	0,8		
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071
Mowers	Fuji Robin					W22M-US	6048	0,8		
Mowers	Power Product					W14-US	6033	0,8		
HOME PRO										
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071
Mowers			Tecumseh Engine			W14-US	6033	0,8		
HOMELITE										
Blower	HB 180		25 cc	0.6	0.8	T20MP-U	6040	0,6		
Brushcutters / Trimmers	HK18 / HK24 / HK28 / HK33					W20M-US	6036	0,6	W20MR-U	6025
Brushcutters / Trimmers	ST80 / ST90 / ST100 / ST120					T20MP-U	6040	0,6		
Brushcutters / Trimmers	ST150 / ST160 / ST160A / ST180 / ST200					T20MP-U	6040	0,7		
Brushcutters / Trimmers	ST155 / ST165 / ST175 / ST175BC					T20MP-U	6040	0,6		
Brushcutters / Trimmers	ST165 / ST185 / ST285 / ST385 / ST485					T20MP-U	6040	0,6		
Brushcutters / Trimmers	ST400 / XLBC - 4					W22M-US	6048	0,6		
Chainsaws	150 / 190 All Models					T20M-U	6039	0,6		
Power Equipment	200 All Models		33 cc	1.4	1.9	T20MP-U	6040	0,6		
Chainsaws	240 / 330 / 410 / 540 / 245HG / 245SL					T20MP-U	6040	0,6		
Chainsaws	250 All Models					T20MP-U	6040	0,6		
Chainsaws	290 / 340					W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	300 / 410					W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	330					T20M-U	6039	0,6		
Chainsaws	350 / 380					W22M-US	6048	0,6		
Chainsaws	450 / 550					T22M-U	6041	0,6		
Chainsaws	540					T20MP-U	6040	0,6		
Chainsaws	650 / 750 All Models					W22M-US	6048	0,6		
Chainsaws	945 / 955					W22M-US	6048	0,6		
Chainsaws	1050 / Super 1050					W22M-US	6048	0,6		
Chainsaws	2100 Super / 2100S / 3100G					W22M-US	6048	0,6		
Chainsaws	C72					W20S-U	3075	0,6	W20SR-U	3076
Chainsaws	Mini Models					T22M-U	6041	0,6		
Chainsaws	Super 2 / VI-Super-2 / XL-2					T20M-U	6039	0,6		








				KW	HP	Standard			Alternative			
												
HOMELITE continued												
Chainsaws	Super 2 / Super EZ-AO					T22M-U	6041	0,6				
Chainsaws	Super 2100					W22M-US	6048	0,6				
Chainsaws	Super EZ - AO / EZ					T22M-U	6041	0,6				
Chainsaws	Super Wiz 55 / 66 / C72					W22M-US	6048	0,6				
Chainsaws	Super Wiz 80					W16S-U	5044	0,6				
Chainsaws	Super XL / Super XL-AO / XL 123 / VI 123 XL650F					W22M-US	6048	0,6				
Chainsaws	Super XL-925 / VI-944 / VI955					W22M-US	6048	0,6				
Chainsaws	XL-12 / XL100A					W20M-US	6036	0,6	W20MR-U		6025	
Chainsaws	XL-123 / VI-123 / XL-660F					W22M-US	6048	0,6				
Chainsaws	XL-923 / XL-923A					W22M-US	6048	0,6				
Chainsaws	XL-925 VI-944 / VI-955					W22M-US	6048	0,6				
Lawn Tractors	E150 - 2					W22MP-US	6049	0,6	W22MPR-U		6043	
Lawn Tractors	E300HD / RE1030E / RE1230E / RE380 / RE830E					W9LM-US	6057	0,8	W9LMR-US		6071	
Lawn Tractors	TR - 5 / FT - 5					W9LM-US	6057	0,8	W9LMR-US		6071	
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US		6071	
Mowers			Tecumseh Engine			W14LM-US	6035	0,7	W14LMR-US		6072	
Mowers	HSD20 / HSD20P / HSD20V					W9LM-US	6057	0,7	W9LMR-US		6071	
Mowers	HSD20-2 / HSD20P-2 / HSC20-2					W9LM-US	6057	0,8	W9LMR-US		6071	
Power Equipment	HT 17		16 cc	0.3	0.4	T20MP-U	6040	0,6				
Power Equipment	XL-TI		30 cc	0.8	1.1	T20MP-U	6040	0,6				
Power Equipment	250		41 cc	1.7	2.3	W22MP-US	6049	0,6	W22MPR-U		6043	
Power Equipment	300		49 cc	2.4	3.3	W22MP-US	6049	0,6	W22MPR-U		6043	
Tractors	Garden / Lawn					W20M-US	6036	0,6	W20MR-U		6025	
Tractor / Cultivator	HCM20 / HCM20P-5 / HCM20P-5G					W9LM-US	6057	0,8	W9LMR-US		6071	
HOMESTEADER												
Garden Tractors			B & S Engine			W9LM-US	6057	0,8	W9LMR-US		6071	
Garden Tractors	M16		Kohler Engine	11.8	16.0	W14L	6013	0,8				
HONDA												
Brushcutters / Trimmers	UMT 20 S / UMT 24 S / UMT 24 D		2-Stroke					0,7	W20MPR-U10		6032	
Brushcutters / Trimmers	UMT 28 D / UMT 32 D / UMT 32 FX		2-Stroke					0,7	W20MPR-U10		6032	
Brushcutters / Trimmers	UMT 41 DF / UMT 51 DF / UMT 51 FX		2-Stroke					0,7	W20MPR-U10		6032	
Brushcutters / Trimmers	UMK 422 S /-J /-D		GX 22, OHV, 22 cc Mini 4-Stroke					0,7	U16FSR-UB		6050	
Brushcutters / Trimmers	UMK 431 J /-D		GX 31, OHV, 31 cc Mini 4-Stroke					0,7	U16FSR-UB		6050	
Generators	E 800		G28			U20FS-U	4002	0,7	U20FSR-U		4004	
Generators	E 1500		G42					0,6	W20FSR-U		6053	
Generators	E 1500		G 200					0,6	W14FR-U		4017	
Generators	E 1500		G 200 CDI ignition					1.0	W14FPR-U		4184	
Generators	E 2500		G 300					0,6	W14FR-U		4017	
Generators	E 3500							0,6	W14FR-U		4017	
Generators	E 3500		CDI ignition					1.0	W14FPR-U		4184	
Generators	E 4500							1.0	W14FPR-U		4184	
Generators	EB 1200 X		GX 110					0,6	W20EPR-U		3047	
Generators	EB 1400 X / EB 1500 X / EB 1800 X / EB 2200 X							0,6	W20EPR-U		3047	
Generators	EB 1900 X		GX 140					0,6	W20EPR-U		3047	
Generators	EB 3000 X / EB 3500 X							0,6	W16EPR-U		3021	
Generators	EB 1500		GE 200					1.0	W14FPR-U		4184	
Generators	EB 1800							1.0	W14FPR-U		4184	
Generators	EB 1900		GE 200					1.0	W14FPR-U		4184	
Generators	EB 2800		GE 300					1.0	W14FPR-U		4184	
Generators	EB 3000							0,6	W14FR-U		4017	
Generators	EB 4000		G 400					1.0	W14FPR-U		4184	
Generators	EB 4500 / EB 5000							0,6	W20EPR-U		3047	
Generators	EBK 2000							1.0	W14FPR-U		4184	
Generators	EBK 2600							0,6	W14FR-U		4017	
Generators	EBK 3600							0,6	W14FR-U		4017	
Generators	EC 2200 / EC 4000 / EC 4500 P							0,6	W20EPR-U		3047	
Generators	EC 6000							0,6	W20EPR-U		3047	
Generators	ECT 6500 / ECT 6500 P							0,6	W20EPR-U		3047	
Generators	ED 300		Eng No. > 1138369					1.0	W20MPR-U10		6032	
Generators	ED 300		Eng No. 1138370 >					1.0	W14MPR-U10		6018	
Generators	ED 400							0,6	W14MR-U		6019	
Generators	ED 1000 X							0,6	W20EPR-U		3047	

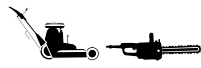



				KW	HP	Standard		Alternative	
									
HONDA continued									
Generators	EG 850 X / EG 1000 X / EG 1200 X / EG 1400 X							0,6	W20EPR-U 3047
Generators	EG 1500 X / EG 1800 X / EG 1900 X / EG 2000 X							0,6	W20EPR-U 3047
Generators	EG 2200 X / EG 3000 X / EG 3500 X							0,6	W20EPR-U 3047
Generators	EG 4500 X		GX 340 (CDI)					0,6	W16EPR-U 3021
Generators	EG 850 Z / EG 1000 Z, EG 1200 Z, EG 1400 Z							0,6	W14FR-U 4017
Generators	EG 1500 Z, EG 1800 Z, EG 1900 Z, EG 2200 Z							0,6	W14FR-U 4017
Generators	EG 550 / EG 650							0,6	W14MR-U 6019
Generators	EG 1000		G150					0,6	W14FR-U 4017
Generators	EG 1200 / EG 2200 / EG 4500							0,6	W20EPR-U 3047
Generators	EG 4000							0,6	W14FR-U 4017
Generators	EG 5000							0,6	W20EPR-U 3047
Generators	EGK 600					W14M-US	6034	0,6	W14MR-U 6019
Generators	EGK 1000 / EGK 1200 / EGK 1600							0,6	W14FR-U 4017
Generators	EGK 2000 / EGK 2600 / EGK 3600							0,6	W14FR-U 4017
Generators	EJ 3							0,6	W20FPR-U 3070
Generators	EL 5000							0,6	W20FPR-U 3070
Generators	EM 25		GX 160 160 cc	4.0	5.5			0,7	W20EPR-U 3047
Generators	EM 30		GX 200 200 cc	4.8	6.5			0,7	W20EPR-U 3047
Generators	EM 50iS		GX 340 340 cc	8.2	11.0			0,7	W20EPR-U 3047
Generators	EM 70iS		GX 390 390 cc	9.6	13.0			0,7	W20EPR-U 3047
Generators	EM 500		Eng No. > 1138369					1.0	W20MPR-U10 6032
Generators	EM 500		Eng No. 1138370 >					1.0	W14MPR-U10 6018
Generators	EM 600							1.0	W20MPR-U10 6032
Generators	EM 650							0,6	W14MR-U 6019
Generators	EM 1500 / EM 1900		GE 200					1.0	W14FPR-U 4184
Generators	EM 1200 X / EM 1400 X / EM 1500 X							0,6	W20EPR-U 3047
Generators	EM 1800 X / EM 1900 X / EM 2200 X							0,6	W20EPR-U 3047
Generators	EM 1800 / EM 3000 / EM 4000							1.0	W14FPR-U 4184
Generators	EM 2200 / EM 4500 / EM 5000							0,6	W20EPR-U 3047
Generators	EM 3000 X, SX / EM 3500 X, SX							0,6	W16EPR-U 3021
Generators	EM 5000 SX							0,6	W20EPR-U 3047
Generators	EM 5500		GX 390 390 cc	9.6	13.0			0,7	W20EPR-U 3047
Generators	EMS 3000 / EMS 4000							1.0	W14FPR-U 4184
Generators	EMS 2800 / EMS 3800							1.0	W14FPR-UL10 4204
Generators	ES 3500 K1		G 400 K1					0,6	W14FR-U 4017
Generators	ES 3500 / ES 4500		G 400					1.0	W14FPR-U 4184
Generators	ES 5500		GX 360					1.0	W20FPR-U10 3268
Generators	ES 5500 K1		GX 360 K1					0,6	W20FPR-U 3070
Generators	ES 6500							0,6	W20FPR-U 3070
Generators	ET 4500							1.0	W14FPR-U 4184
Generators	ET 4500 X							0,6	W20EPR-U 3047
Generators	ET 5000 Z							1.0	W20FPR-U10 3268
Generators	EU 10 i		OHV, Mini 4-Stroke					0,7	U16FSR-UB 6050
Generators	EU 26iS		GX 160 160 cc	4.0	5.5			0,7	W20EPR-U 3047
Generators	EU 30iS		GX 200 200 cc	4.8	6.5			0,7	W20EPR-U 3047
Generators	EV 3600 / EV 4000							1.0	W20FPR-U10 3268
Generators	EV 3610							0,7	W9FP-UL 4152
Generators	EV 4010 / EV 6010							0,7	W14FPR-U 4184
Generators	EV 5010							0,6	W20FPR-U 3070
Generators	EW 170							1.0	W14FPR-UL10 4204
Generators	EW 140 / EW 171							0,6	W16EPR-U 3021
Generators	EX 6 / EX 7		GXH 50, OHV, 50 cc Mini 4-Stroke					0,7	U16FSR-UB 6050
Generators	EX 100							0,6	W14FR-U 4017
Generators	EX 300 (Hippo) / EX 350							0,8	W20MR-U 6025
Generators	EX 500		Eng No. > 1138369					1.0	W20MPR-U10 6032
Generators	EX 500		Eng No. 1138370 >					1.0	W14MPR-U10 6018
Generators	EX 550 / EX 650							0,6	W14MR-U 6019
Generators	EX 800							1.0	W14FPR-U 4184
Generators	EX 900 / EX 1000							0,6	W14FR-U 4017
Generators	EU 1000 I / EU 2000 i		OHV, Mini 4-Stroke					0,7	U14FSR-UB 6050
Generators	EX 1900 / EX 2100 / EX 2200							0,6	W20EPR-U 3047
Generators	EX 3000 (S) / EX 4000							0,6	W16EPR-U 3021
Generators	EX 4000 S		GX 340					0,8	W16EPR-U 3021

				KW	HP	Standard			Alternative		
HONDA <i>continued</i>											
Generators	EX 3300 / EX 4500							0,6	W20EPR-U		3047
Generators	EX 5500							0,7	W9FP-UL		4152
Generators	EZ 2200		GX 160 16 cc	4.0	5.5			0,7	W20EPR-U		3047
Generators	EZ 4500		GX 340 340 cc	8.2	11.0			0,7	W20EPR-U		3047
Mowers	GXV110					W20EP-U	3043	0,8	W20EPR-U		3047
Mowers	GXV120			2.9	4.0	W16EP-U	3018	0,8	W16EPR-U		3021
Mowers	HR17		G100 - GV110					0,7	W20MR-U		6025
Mowers	HR 21 / HR 21-5		Magneto ignition					0,7	W20MR-U		6025
Mowers	HR 21 / HR 21-5		CDI ignition					1.0	W20MPR-U10		6032
Mowers	HR194 / HR214 / HA214			2.9	4.0	W16EP-U	3018	0,7	W16EPR-U		3021
Mowers	HR215		GV200	3.7	5.0	W20M-US	6036	0,7	W20MR-U		6025
Mowers	HRB 423 P /-PD /-S /-SD /-SX		1-Cyl., 4-Stroke					0,6	W14MR-U		6019
Mowers	HRB 476C SX / HRB 476C HX		1-Cyl., 4-Stroke, OHC					0,6	W20EPR-U		3047
Mowers	HRB 475 HM /-HX /-P /-PD /-S /-SD /-SM /-SX		1-Cyl., 4-Stroke, OHV					0,6	W16EPR-U		3021
Mowers	HRB 535 SX							0,6	W16EPR-U		3021
Mowers	HRB 536C SX		1-Cyl., 4-Stroke, OHC					0,6	W20EPR-U		3047
Mowers	HRD 536C HX / HRD 536C SX		1-Cyl., 4-Stroke, OHC					0,6	W20EPR-U		3047
Mowers	HRD 535 HX /-SM /-SX		1-Cyl., 4-Stroke, OHV					0,6	W16EPR-U		3021
Mowers	HRD 536 HM /-HX /-HXE		1-Cyl., 4-Stroke, OHV					0,6	W16EPR-U		3021
Mowers	HRG 413 PD / HRG 413 SD		1-Cyl., 4-Stroke					0,6	W14MR-U		6019
Mowers	HRG 465 PD /-SD							0,6	W16EPR-U		3021
Mowers	HRG 465C PD / HRG 465C SD		1-Cyl., 4-Stroke, OHC					0,6	W20EPR-U		3047
Mowers	HRG 475C PD / HRG 475C SD		1-Cyl., 4-Stroke, OHC					0,6	W20EPR-U		3047
Mowers	HRM 536C SX / HRS 535C SD		1-Cyl., 4-Stroke, OHC					0,6	W20EPR-U		3047
Mowers	HRS21 Std.-Ign.		Eng No. >2029058			W16FP-U	4019	0,7	W16FPR-U		4192
Mowers	HRS21 CDI		Eng No. >2029058			W16FS-U	3034	0,7	W16FSR		3033
Mowers	HRS21		GV35	2.6	3.5	W16FS-U	3034	0,7	W16FSR		3033
Mowers	HT3810			7.4	10.0	W16FS-U	3034	0,7	W16FSR		3033
Mowers	HT3813			9.6	13.0	W16FP-U	4019	0,7	W16FPR-U		4192
Mowers	HT4518H					W16EP-U	3018	1.0	W16EPR-U		3021
Mowers	UM 516 C		1-Cyl., 4-Stroke, OHC	4.1	5.5			0,6	W20EPR-U		3047
Mowers	UM 536 .. /-EE /-EBE / UM 616 .. /-EE /-EBE		1-Cyl., 4-Stroke, OHV	4.1	5.5			0,6	W16EPR-U		3021
Power Equipment	G 25 / G28 / G28 K1 / G3T					U20FS-U	4002	0,7	U20FSR-U		4004
Power Equipment	G 100 K1	4-Stroke, Sidevalve	Magneto 100 cc	1.6	2.2	W14M-US	6034	0,7	W14MR-U		6019
Power Equipment	G 100 K2	4-Stroke, Sidevalve	CDI ignition 100 cc	1.9	2.5	W14MP-U10	6017	1.0	W14MPR-U10		6018
Power Equipment	G 150 / K1	4-Stroke, Sidevalve	Magneto 144 cc	2.6	3.5	W14F-U	4012	0,7	W14FR-U		4017
Power Equipment	G 150	4-Stroke, Sidevalve	CDI ignition 144 cc	2.6	3.5	W14FP-UL10	6012	1.0	W14FPR-UL10		4204
Power Equipment	G 200 / K1	4-Stroke, Sidevalve	Magneto 197 cc	3.7	5.0	W14F-U	4012	0,7	W14FR-U		4017
Power Equipment	G 200	4-Stroke, Sidevalve	CDI ignition 197 cc	3.7	5.0	W14FP-UL10	6012	1.0	W14FPR-UL10		4204
Power Equipment	G 300 / G 400	4-Stroke, Sidevalve	Magneto ignition			W14F-U	4012	0,7	W14FR-U		4017
Power Equipment	G 300 / G 400	4-Stroke, Sidevalve	CDI ignition			W14FP-UL10	6012	1.0	W14FPR-UL10		4204
Power Equipment	GC 135		GC 135 135 cc	2.9	4.0			0,6	W20EPR-U		3047
Power Equipment	GC 160		GC 160 160 cc	3.7	5.0			0,6	W20EPR-U		3047
Power Equipment	GC 190		GC 190 190 cc	4.4	5.9			0,6	W20EPR-U		3047
Power Equipment	GCV 135		GCV 135 135 cc	3.4	4.5			0,6	W20EPR-U		3047
Power Equipment	GCV 160		GCV 160 160 cc	4.1	5.5			0,6	W20EPR-U		3047
Power Equipment	GCV 190		GCV 190 190 cc	4.8	6.5			0,6	W20EPR-U		3047
Power Equipment	GCV 520		GCV 520 520 cc	10.4	14.0			0,6	W16EPR-U		3021
Power Equipment	GCV 530		GCV 530 530 cc	11.9	16.0			0,6	W16EPR-U		3021
Power Equipment	GS 160		GS 160 160 cc	3.7	5.0			0,6	W20EPR-U		3047
Power Equipment	GS 190		GS 190 190 cc	4.4	5.9			0,6	W20EPR-U		3047
Power Equipment	GSV 160		GS 160 160 cc	4.1	5.5			0,6	W20EPR-U		3047
Power Equipment	GSV 190		GS 190 190 cc	4.8	6.5			0,6	W20EPR-U		3047
Power Equipment	GV 100 K1	4-Stroke, Sidevalve	GV 100 100 cc	1.9	2.6			0,7	W14MR-U		6019
Power Equipment	GV 100 K2	4-Stroke, Sidevalve	GV 100 100 cc	1.9	2.6			0,7	W14MPR-U10		6018
Power Equipment	GV 200	4-Stroke, Sidevalve	Magneto 100 cc					0,7	W20MR-U		6025
Power Equipment	GV 200	4-Stroke, Sidevalve	CDI ignition 100 cc					1.0	W20MPR-U10		6032
Power Equipment	GX 22		GX 22 22 cc	0.7	1.0			0,7	U16FSR-UB		6050
Power Equipment	GX 31		GX 31 31 cc	1.1	1.5			0,7	U16FSR-UB		6050
Power Equipment	GX 100 STD / GX 100 TAMP		GX 100 STD / 100cc GX 100 TAMP	2.2	3.0			0,7	U14FSR-UB		6070
Power Equipment	GX 110		GX 110 110 cc					0,7	W20EPR-U		3047

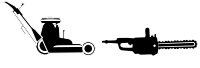






				KW	HP	Standard		Alternative	
									
HONDA continued									
Power Equipment	GX 120 K1 / GX 120 T1		GX 120 K1 118 cc	2.9	4.0			0,6	W20EPR-U 3047
Power Equipment	GX 140		GX 140 140 cc					0,7	W20EPR-U 3047
Power Equipment	GX 160		GX 160 160 cc					0,7	W20EPR-U 3047
Power Equipment	GX 160 K1 / GX 160 T1		GX 160 K1 163 cc	4.1	5.5			0,6	W20EPR-U 3047
Power Equipment	GX 200 / GX 200T		GX 200 196 cc	4.8	6.5			0,7	W20EPR-U 3047
Power Equipment	GX 240 / GX 240 K1		GX 240 240 cc					0,7	W20EPR-U 3047
Power Equipment	GX 270		GX 270 270 cc	6.6	9.0			0,7	W20EPR-U 3047
Power Equipment	GX 340		GX 340 340 cc					0,7	W20EPR-U 3047
Power Equipment	GX 340 / GX 340 K1		GX 340, 340 cc CDI ignition	8.0	11.0			1,1	W20EPR-U11 3049
Power Equipment	GX 360 K1		GX 360 K1 359 cc (Liquid cooled)	9.6	13.0			0,7	W14FPR-U 4184
Power Equipment	GX 390 / GX 390 K1 / GX 390 T1		389 cc	9.6	13.0			0,6	W20EPR-U 3047
Power Equipment	GX 610		614 cc	13.4	18.0			0,6	W20EPR-U 3047
Power Equipment	GX 610 K1 ('99-)		GX 610 K1 610 cc	11.9	16.2			0,8	J16CR-U 3256
Power Equipment	GX 620		614 cc	14.9	20.0			0,6	W20EPR-U 3047
Power Equipment	GX 620 K1 ('99-)		GX 620 K1 620 cc	13.2	17.9			0,8	J16CR-U 3256
Power Equipment	GX 640		GX 640 635 cc (Liquid cooled)	14.7	20.0			1,1	W16EPR-U11 3201
Power Equipment	GX 670 ('99-)		GX 670 670 cc	15.8	21.5			0,8	J16CR-U 3256
Power Equipment	GX 120, 160, 240, 340	(High performance = option)	4-Stroke, OHV					0,7	W20EPR-ZU 3291
Power Equipment	GX 120, 160, 240, 340	(High performance = option)	4-Stroke, OHV					0,7	IW20 5306
Power Equipment	GXH 50		GXH 50 50 cc	1.8	2.5			0,7	U14FSR-UB 6070
Power Equipment	GXV 50		GXH 50 50 cc	1.8	2.5			0,7	U16FSR-UB 6050
Power Equipment	GXV 57		GXV57 57 cc					0,7	U14FSR-UB 6050
Power Equipment	GXV 120		120 cc					0,7	W14EPR-U 6011
Power Equipment	GXV 140		GXV 140 135 cc	3.7	5.0			0,6	W20EPR-U 3047
Power Equipment	GXV 160		160 cc					0,7	W16EPR-U 3021
Power Equipment	GXV 160 K1 / GXV 160 H2		GXV 160 K1 163 cc	4.0	5.5			0,6	W16EPR-U 3021
Power Equipment	GXV 270 K1		GXV 270 K1 270 cc	6.2	8.5			0,6	W20EPR-U 3047
Power Equipment	GXV 340 K1 / GXV 340 K2 / GXV 340 T2		GXV 340 K2 337 cc	8.1	11.0			0,6	W20EPR-U 3047
Power Equipment	GXV 390 K1 / GXV 390 T1		GXV 390 K1 389 cc	9.6	13.0			0,6	W20EPR-U 3047
Power Equipment	GXV 520		GXV 520 520 cc	10.4	14.0			0,6	W16EPR-U 3021
Power Equipment	GXV 530		GXV 530 530 cc	11.9	16.0			0,6	W16EPR-U 3021
Power Equipment	GXV 610		GXV 610 614 cc	13.4	18.0			0,6	W16EPR-U 3021
Power Equipment	GXV 620		GXV 620 614 cc	14.9	20.0			0,6	W16EPR-U 3021
Power Equipment	GXV 610 K1		GXV 610 614 cc	13.4	18.0			0,8	J16CR-U 3256
Power Equipment	GXV 620 K1		GXV 620 614 cc	14.9	20.0			0,8	J16CR-U 3256
Power Equipment	GXV 670		GXV 670 670 cc	14.8	20.0			0,8	J16CR-U 3256
Power Equipment	H 45514 H		EGX 360 KI 360 cc	9.6	13.0			0,7	W14FPR-U 4184
Power Equipment	WP 20 / WP 30							0,7	W20EPR-U 3047
Pumps	HP 300		GXV 120 120 cc	2.9	4.0			0,7	W14EPR-U 6011
Pumps	HP 400		GXV 120 120 cc	2.9	4.0			0,7	W14EPR-U 6011
Pumps	HP 500H		GX 160 160 cc	4.0	5.5			0,7	W20EPR-U 3047
Pumps	WA 20 / WA 30 / WT 30		CDI ignition					1.0	W14FPR-UL10 4204
Pumps	WA 20		Magneto ignition					0,6	W14FR-U 4017
Pumps	WB 10 / WB 15							0,6	W14MR-U 6019
Pumps	WB 20XT		GX 120 120 cc	2.9	4.0			0,7	W20EPR-U 3047
Pumps	WB 30XT		GX 160 160 cc	4.0	5.5			0,7	W20EPR-U 3047
Pumps	WH 15 X / WH 20 X							0,7	W20EPR-U 3047
Pumps	WMP 20X		GX 160 160 cc	4.0	5.5			0,7	W20EPR-U 3047
Pumps	WT 20 X / WT 30 X							0,7	W20EPR-U 3047
Pumps	WT 40 / WT40 X		EGX 340, 337 cc CDI ignition	8.0	11.0			1,1	W20EPR-U11 3049
Pumps	WX 10		GX 31 31 cc	1.1	1.5			0,7	U16FSR-UB 6050
Pumps	WX 15		GXH 50 50 cc	1.8	2.5			0,7	U14FSR-UB 6070
Snowthrowers	HS 552 / HS 660 / HS 870							0,6	W16EPR-U 3021
Snowthrowers	HS 980 / HS 1190							0,6	W16EPR-U 3021
Snowthrowers	HS 1110 Z / HS 1136		CDI ignition					1,1	W16EPR-U11 3201
Snowthrowers	HS 624 ../-T /-TS /-W /-WS		1-Cyl., 4-Stroke, OHV					0,6	W16EPR-U 3021
Snowthrowers	HS 828 ../-TS /-W /-WS							0,6	W16EPR-U 3021
Snowthrowers	HS 1340		EGX 360 KI 360 cc	9.6	13.0			0,7	W20FPR-U 3070
Tractor/Garden equipment	FG 100		OHV, Mini 4-Stroke					0,7	U16FSR-UB 6050
Tractor/Garden equipment	F 28			1.5	2.0	U20FS-U	4002	0,7	U20FSR-U 4004
Tractor/Garden equipment	F 50							0,6	X16FSR-U 4075
Tractor/Garden equipment	F 110		1-Cyl., 2-Stroke					0,6	W14MR-U 6019






				KW	HP	Standard			Alternative		
											
HONDA continued											
Tractor/Garden equipment	F 200					W14MP-U10	6017	1.0	W14MPR-U10	6018	
Tractor/Garden equipment	F 210 ..-/K /-L /-P		EGV 100 K1					0,6	W14MR-U	6019	
Tractor/Garden equipment	F F 300		GXV57 57 cc					0,7	U14FSR-UB	6050	
Tractor/Garden equipment	F 325							0,6	W20EPR-U	3047	
Tractor/Garden equipment	F 360		1-Cyl., 4-Stroke, OHV					0,6	W16EPR-U	3021	
Tractor/Garden equipment	F 400 (G35) / F 600 (G42) / F 650 / F 700					W20FS-U	3073	0,7	W20FSR-U	6053	
Tractor/Garden equipment	F 400 (G150) / F 600 (G200) / F 800 / F 850		CDI ignition			W14MP-U10	6017	1.0	W14MPR-U10	6018	
Tractor/Garden equipment	F 401					W20EP-U	3043	0,7	W20EPR-U	3047	
Tractor/Garden equipment	F 501 / F 510 / F 560 / F 660		1-Cyl., 4-Stroke, OHV					0,6	W16EPR-U	3021	
Tractor/Garden equipment	F 810		1-Cyl., 4-Stroke, OHV					0,6	W16EPR-U	3021	
Tractor/Garden equipment	H 1011 /-H /-S							0,7	W16EPR-U	3021	
Tractor/Garden equipment	H 2013 S		1-Cyl., 4-Stroke, OHV	9.6	13.0			0,7	W16EPR-U	3021	
Tractor/Garden equipment	H 4518 / H 5518		CDI ignition					1,1	W16EPR-U11	3201	
Tractor/Garden equipment	H 5518		Magneto ignition					0,6	W16EPR-U	3021	
Tractor/Garden equipment	HF 2213 /-H /-S		1-Cyl., 4-Stroke, OHV	9.6	13.0			0,7	W16EPR-U	3021	
Tractor/Garden equipment	HF 2218 /-HL /-SL		2-Cyl., 4-Stroke, OHV	13.2	18.0			0,7	W16EPR-U	3021	
Tractor/Garden equipment	FR500					W16FS-U	3034	0,8	W16FSR	3033	
Tractor/Garden equipment	FR700					W16FP-U	4019	0,7	W16FPR-U	4192	
Tractor/Garden equipment	H3011 / H3013H / H4013					W16EP-U11	3199	0,8	W16EPR-U11	3201	
Tractor/Garden equipment	HT3009					W16EP-U11	3199	0,8	W16EPR-U11	3201	
Transporter (tracks)	HP 400		GXV 120 118 cc					0,7	W14EPR-U	6011	
Transporter (tracks)	HP 500 H /-BXE /-NXE		GX 160 K1					0,7	W20EPR-U	3047	
Transporter (tracks)	HP 250		GV 100 K1					0,7	W14MR-U	6019	
HOWARD PRICE TURF											
Mowers	192 C.I.D.		Ford Engine			W14L	6013	0,8			
Mowers	K341		Kohler Engine			W14L	6013	0,8			
Mowers	K582		Kohler Engine			W16LS	3035	0,8			
Mowers	TJD		Wisconsin Engine			L14-U	5000	0,8	L14R-U	5049	
HUFFMAN											
Garden Tractors						W14-US	6033	0,8			
Mowers	All Models					W14-US	6033	0,8			
HUFFY											
Mowers	All Models		B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071	
HURRICANE											
Mowers	All Models					W9LM-US	6057	0,8	W9LMR-US	6071	
HUSQVARNA											
Blowers	140B		2-Stroke 40 cc			W22M-US	6048	0,6			
Blowers	132HBV					W20MP-U	6023	0,5			
Brushcutters / Trimmers	16R / 18R / 18RL / 22R / 22RL / 24R / 25R / 25RL					W20M-US	6036	0,5	W20MR-U	6025	
Brushcutters / Trimmers	232R / 235R					W22MP-US	6049	0,5	W22MPR-U	6043	
Brushcutters / Trimmers	23LC / 26L - LC - R					W20MP-U	6023	0,5			
Brushcutters / Trimmers	26GT / 27GTS					W14M-US	6034	0,5	W14MR-U	6019	
Brushcutters / Trimmers	36R / 36RG / 39R / 65R					W22MP-US	6049	0,5	W22MPR-U	6043	
Brushcutters / Trimmers	46MR					W20M-US	6036	0,7	W20MR-U	6025	
Brushcutters / Trimmers	120L / 125E - L - LD - R - RD - RJ					W20MP-U	6023	0,5			
Brushcutters / Trimmers	132L - LD - R - RD - RB					W20MP-U	6023	0,5			
Brushcutters / Trimmers	140R / 165R - RX					W22MP-US	6049	0,5	W22MPR-U	6043	
Brushcutters / Trimmers	240R / 244R - RX - RXG / 245R - RX					W22MP-US	6049	0,5	W22MPR-U	6043	
Brushcutters / Trimmers	250R - RX / 265RX					W22MP-US	6049	0,5	W22MPR-U	6043	
Brushcutters / Trimmers	Mondo (.. / Max / Mega)		24 cc	0.6	0.8	W20MP-U	6023	0,5			
Chainsaws	32 / 33 / 34 / 35 / 37 / 38					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	36		36 cc	1.6	2.2			0,5	W22MPR-U	6043	
Chainsaws	40 / 40P / 41 / 42 / 44 / 44P					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	45		44 cc	2.2	3.0			0,5	W22MPR-U	6043	
Chainsaws	50 / 61 / 61P / 65					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	51/ 55							0,5	W22MPR-U	6043	
Chainsaws	61		62 cc	3.2	4.4			0,5	W22MPR-U	6043	
Chainsaws	66 / A65 / B65 / F65 / G65 / L65 / K65,					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	77 / A77 / B77 / L77 / SS77 / 100					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	125 R		25 cc	1.0	1.4	W20MP-U	6023	0,7			
Chainsaws	132 R		32 cc	1.2	1.6	W20MP-U	6023	0,7			
Chainsaws	133SE / SG, 140, 154SE / SG, 160S, 162SE/SG					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	162FEG / 163S180S / 181SE / SG /185CD					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	165 RX		65 cc	3.1	4.2			0,5	W22MPR-U	6043	

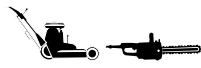







				KW	HP	Standard			Alternative	
										
HUSQVARNA continued										
Chainsaws	234SE / SG, 238 / 238G / 238SE / SG / 240S / 240SE					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	235 R		36 cc	1.6	2.2			0,5	W22MPR-U	6043
Chainsaws	240 R		40 cc	1.9	2.6			0,5	W22MPR-U	6043
Chainsaws	242 XP / 242 XPG		42 cc	2.6	3.5			0,5	W22MPR-U	6043
Chainsaws	242 / 242G / 254 / 254FC / 260CD / 263CD					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	245 RX		44 cc	2.1	2.9			0,5	W22MPR-U	6043
Chainsaws	254 XP / 254 XPG		54 cc	3.1	4.2			0,5	W22MPR-U	6043
Chainsaws	250 RX		49 cc	2.4	3.3			0,5	W22MPR-U	6043
Chainsaws	257		57 cc	2.7	3.7			0,5	W22MPR-U	6043
Chainsaws	262 XP / 262 XPG		62 cc	3.6	4.9			0,5	W22MPR-U	6043
Chainsaws	265 RX		65 cc	3.1	4.2			0,5	W22MPR-U	6043
Chainsaws	266SE / SG / 266XP / 266XPG / 268 / 268G / 268XP					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	268SPG / 280S / 280CD / 281SE / SG / 281XP					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	281XPG / 285CD / 288 / 288G / 288XP					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	272 XP / 272 XPG / 272 K		72 cc	3.9	5.3			0,5	W22MPR-U	6043
Chainsaws	288 XP / 288 XPG		88 cc	4.5	6.1			0,5	W22MPR-U	6043
Chainsaws	294 XP		94 cc	5.2	7.1			0,5	W22MPR-U	6043
Chainsaws	298CD / 298XP / 340SE / SG / 344SE/SG / 380S /380CD					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	357 XP		57 cc	3.2	4.4			0,5	W22MPR-U	6043
Chainsaws	359		57 cc	2.9	3.8			0,5	W22MPR-U	6043
Chainsaws	3120 XP		119 cc	6.2	8.4			0,5	W22MPR-U	6043
Lawn Tractors	8 / 10 / 11		B & S Engine			W9LM-US	6057	0,6	W9LMR-US	6071
Lawn Tractors	LT1000-14 OHV		B & S Engine					0,7	Q16PR-U	3137
Lawn Tractors	LT110 / LT112 / LT120 / LT960-12		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071
Lawn Tractors	LT4140G - H OHV		B & S Engine					0,7	Q16PR-U	3137
Lawn Tractors	LT960-12.5 OHV		Kawasaki Engine			W14-US	6033	0,8		
Lawn Tractors	YTH1120-14 OHV		Kawasaki Engine			W16FS-U	3034	0,7	W16FSR	3033
Mowers	Classic / Husky Jet		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071
Mowers	Jet 46R / 48 / 50 / 50R / 51 / 55S		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071
Mowers	Master 46 / Master Garden / Push Power		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071
Mowers	Master Pro / Landscaper 2T / 4T / S4T		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071
Mowers	Royal 42 / 42S / 43 / 43S / 43SE / 46 / 46ST / 48 / 48S		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071
Mowers	Royal 48S / 48SE / 53S / 53SE		Kawasaki Engine			W14-US	6033	0,7		
Mowers	Team 48 / 48S		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071
Power Saws	268K / 272K							0,5	W22MPR-U	6043
Snowthrowers	8527 STE		Tecumseh HMSK95					0,8	W22ESR-U	3098
HUSTLER										
Garden Tractors	400					T20EP-U	5031	0,7	T20EPR-U	5032
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071
Mowers	K-582 / K-532		Kohler Engine			W14L	6013	0,8		
Mowers	TC-56 (Cont.)					L14-U	5000	0,8	L14R-U	5049
HYDRA-SPLITTER										
Chainsaws			B & S Engine			W9LM-US	6057	0,6	W9LMR-US	6071
HYSTER										
Lift trucks	H20-25E / H20-30E / H60-80B / H60-80C					L14-U	5000	0,6	L14R-U	5049
Lift trucks	H30H / H40H / H50H / H60H					W16EP-U	3018	0,6	W16EPR-U	3021
Lift trucks	S30C / S40C / S50C					W16EP-U	3018	0,6	W16EPR-U	3021
Lift trucks	M200-400H					W16EP-U	3018	0,6	W16EPR-U	3021
Lift trucks	S60E / S70E / S80E / S100E		(Chevrolet 250 C.I.D.)					0,7	T16PR-U	5025
ILO - MOTOREN										
Industrial Engines	L 35		35 cc	1.3	1.7	W20FS-U	3073	0,5	W20FSR-U	6053
Industrial Engines	L 92 / L 101		98 cc			W20FS-U	3073	0,5	W20FSR-U	6053
Industrial Engines	L 125		125 cc	2.9	4.8	W20FS-U	3073	0,5	W20FSR-U	6053
Industrial Engines	L 152		ILO-tronic 148 cc			W20FS-U	3073	0,5	W20FSR-U	6053
Industrial Engines	L 197		198 cc			W20FS-U	3073	0,5	W20FSR-U	6053
Industrial Engines	L 252		ILO-tronic 247 cc		6.3 8.5	W20FS-U	3073	0,5	W20FSR-U	6053
Industrial Engines	L 372		ILO-tronic 372 cc		9.6 12.8	W20FS-U	3073	0,5	W20FSR-U	6053
Engines	SP 40		ILO-tronic 35 cc		1.3 1.7	W22FS-U	4025	0,5	W22FSR	4024
Engines	SP 80		ILO-tronic 58 cc		2.3 3.1	W22FS-U	4025	0,5	W22FSR	4024
Engines	RM 100		ILO-tronic 98 cc		1.8 2.5	W14F-U	4012	0,5	W14FR-U	4017
Engines	RM 125		125 cc	2.6	3.6	W20FS-U	3073	0,5	W20FSR-U	6053
Engines	RM 152 / RM 162		ILO-tronic			W14F-U	4012	0,5	W14FR-U	4017








				KW	HP	Standard			Alternative		
											
ILO - MOTOREN <i>continued</i>											
Power Equipment	G 49 / V 49 / GA 50					W20FS-U	3073	0,5	W20FSR-U	6053	
Power Equipment	LV 298 / MM 25 / MM 40					W20FS-U	3073	0,5	W20FSR-U	6053	
INGERSOLL (GRAZER)											
Tractors			Onan Engine	11,7 - 14,7	16 - 20			0,7	T16EPR-U	5022	
Tractors			B & S Engine			W9LM-US	6057	0,6	W9LMR-US	6071	
Tractors			Tecumseh / B&S Eng.			W14-US	6033	0,8			
Tractors	18M		Kohler Engine	13.2	18.0			0,6	T14PR-U	5020	
Tractors	2-Cyl		B & S Engine			W14-US	6033	0,7			
Tractors	CCKA		Onan Engine			W16LS	3035	0,7			
Tractors	K241 / K301 / K321		Kohler Engine			W14L	6013	0,8			
Mowers	Grazer		B & S Engine	8.1	11.0	W9LM-US	6057	0,8	W9LMR-US	6071	
Mowers	Grazer		Kohler Engine	14.7	20.0			0,8	T16PR-U	5025	
Mowers	Grazer 2-Cyl		B & S Engine			W14-US	6033	0,8			
Mowers	Grazer Kubota							0,8	Q16PR-U	3137	
Mowers	Grazer M18		Kohler Engine	13.2	18.0			0,6	T14PR-U	5020	
INTERNATIONAL											
Log Splitters			Tecumseh / B&S Eng.			W9LM-US	6057	0,5	W9LMR-US	6071	
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071	
Mowers	331 / 332 / 333 / 334 / 335 / 3309 / 3310 / 3311 / 3312 / 3313					W14M-US	6034	0,8	W14MR-U	6019	
Mowers	3314 / 3315 / 3319 / 3320 / 3321 / 3322 / 3323 / 3324 / 3325					W14M-US	6034	0,8	W14MR-U	6019	
INTERMOTOR											
Power Equipment	LGA 184 / LGA 225			2,9 - 3,7	4,0 - 5,0	W14F-U	4012	0,7	W14FR-U	4017	
Power Equipment	LKA 184 / LKA 225					W14F-U	4012	0,7	W14FR-U	4017	
Power Equipment	IM 250 / IM 251 / IM 252		70 cc			W14F-U	4012	0,7	W14FR-U	4017	
Power Equipment	IM 300 / IM 301 / IM 302		76 cc			W14F-U	4012	0,7	W14FR-U	4017	
Power Equipment	IM 350 / IM 351 / IM 352		82 cc			W14F-U	4012	0,7	W14FR-U	4017	
Power Equipment	LA 400 / LA490 / LA 510					W14F-U	4012	0,7	W14FR-U	4017	
ISHIKAWAJIMA-SHIBAURA											
Brushcutters	B18 / B20 / B20DU / B24 / B24DU					W20MP-U	6023	0,6			
Brushcutters	B30 / B31DU / B35DU					W20MP-U	6023	0,6			
Brushcutters	H18D / H20D / H23D / H26D / H35D					W22MP-US	6049	0,6	W22MPR-U	6043	
Brushcutters	SB19 / SB24 / SB30 / SB40					W20M-US	6036	0,7	W20MR-U	6025	
Brushcutters	SCK30D / SCY24 / SCY24A					W20M-US	6036	0,7	W20MR-U	6025	
JACKSON											
Mowers	All Models					W9LM-US	6057	0,8	W9LMR-US	6071	
JACOBSEN											
Mowers			B & S Engine			W14-US	6033	0,8			
Mowers			Clinton Engine			W14-US	6033	0,6			
Mowers			Jacobsen Engine			W9LM-US	6057	0,8	W9LMR-US	6071	
Mowers	67 / 192 C.I.D.		Ford Engine			W14L	6013	0,8			
Mowers	All 18mm thread					L14-U	5000	0,8	L14R-U	5049	
Mowers	EY25W		Robin Engine			W20FS-U	3073	0,8	W20FSR-U	6053	
Mowers	K181		Kohler Engine			W14-US	6033	0,8			
Mowers	K241 / K301 / K321 / K341 / K361 / K582		Kohler Engine			W14L	6013	0,8			
Mowers	KSG-4111 67 C.I.D.		Ford Engine			W14L	6013	0,8			
JO-BU											
Brushcutters	Companion					W20M-US	6036	0,5	W20MR-U	6025	
Brushcutters	R50					T22M-U	6041	0,5			
Chainsaws	L-6 / L-7 / L-8 / L-73 / L-81 / R-7					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	L-86S / L-86B / L-860 / L86-6					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	LF-50 / LF-50B / LP-6 / LP-50					T22M-U	6041	0,5			
Chainsaws	LP-6 / LP-6B / LP-68V					T22M-U	6041	0,5			
Chainsaws	M-5					W20FP-U	3068	0,5	W20FPR-U	3070	
Chainsaws	SL-2 / SL-3 / SL-3S / SL-31 / SL-35					W20M-US	6036	0,5	W20MR-U	6025	
Chainsaws	SL-21 / L-35					W22M-US	6048	0,7			
JOHN DEERE											
Brushcutters	83G					W14M-US	6034	0,7	W14MR-U	6019	
Brushcutters	90G					W20M-US	6036	0,7	W20MR-U	6025	
Brushcutters	1032					W14-US	6033	0,5			
Chainsaws	8 / 9 / 12 / 14 / 15 / 17 / 18 / 19 / 50V / 61 / 81 / 91					W22M-US	6048	0,7			
Chainsaws	23 / 28 / 30 / 40V / 50					W20M-US	6036	0,7	W20MR-U	6025	
Chainsaws	25EV / 35EV / 46EV / 51SV / 55EV / 65EV					W22MP-US	6049	0,7	W22MPR-U	6043	

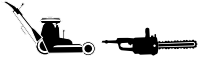







				KW	HP	Standard			Alternative		
											
JOHN DEERE <i>continued</i>											
Chainsaws	65SV / 66SV / 80EV / 450V / 800V					W22MP-US	6049	0,7	W22MPR-U	6043	
Chainsaws	70V / RV70EV / 72 / 80EV / S80 / S82					W22MP-US	6049	0,6	W22MPR-U	6043	
Tractors	108 / 111 / 111H					W20M-US	6036	0,5	W20MR-U	6025	
Tractors	130					W16EP-U	3018	0,6	W16EPR-U	3021	
Tractors	160 / 165					W20M-US	6036	0,6	W20MR-U	6025	
Tractors	180 / 185					W16EP-U	3018	0,6	W16EPR-U	3021	
Tractors	210 / 212 / 216 / 314					W16LS	3035	0,6			
Tractors	316 / 318 / 420							0,6	T16EPR-U	5022	
Tractors	F910 / F930							0,6	T16EPR-U	5022	
JOHNSON											
	Electric Unit					W14-US	6033	0,8			
	Iron Horse					W14-US	6033	0,8			
	Utilimotor					L14-U	5000	0,8	L14R-U	5049	
JONSERED											
Blower	BV32					W20MP-U	6023	0,5			
Brushcutters / Trimmers	BP40							0,5	W22MPR-U	6043	
Brushcutters / Trimmers	GR24 / GR24L / GR28 / GR28L					W20MP-U	6023	0,5			
Brushcutters / Trimmers	GR26 (C/D/L) / GR32 (C/D/L) / GR36 (C/D)							0,5	W22MPR-U	6043	
Brushcutters / Trimmers	GR41 / GR44 / GR50					W22MP-US	6049	0,5	W22MPR-U	6043	
Brushcutters / Trimmers	GT21L / GT22L / GT24L / GT26L / GT32L					W20MP-U	6023	0,5			
Brushcutters / Trimmers	HT21 / HT22 / HT24					W20MP-U	6023	0,5			
Brushcutters / Trimmers	RS38					W16FS-U	3034	0,5	W16FSR	3033	
Brushcutters / Trimmers	RS40 / RS41 / RS44 / RS45					W22MP-US	6049	0,5	W22MPR-U	6043	
Brushcutters / Trimmers	RS50 / RS51 / RS52					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	45 / 49SP / 50 / 51 / 52 / 52E / 66E / 70E					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	80 / 111 / 361 / 365 / 370 / 380					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	410 / 420 / 435 / 450 / 455 / 490					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	365ACB / 435EVS					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	450 / 525					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	520EV / 520SP					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	521 / 521EV / 525 / 601 / 621 / 625					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	630 / 630 ES / 670 / 670ES / 751 / 801					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	820 / 820ES / 830 / 840 / 910					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	920 / 920 Super / 930 / 1020 / 1020 ES					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	2036 / 2040 / 2041 / 2045 / 2050 / 2055					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	2077 / 2083 / 2094 / 2095					W22MP-US	6049	0,6	W22MPR-U	6043	
Chainsaws	L1L-J / M36 / M361 / M361AV / 365					W22M-US	6048	0,5			
Chainsaws	M50 / M52 / M52E / M60 / M62 / M66 / M70 / M75 / M80					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	M110 / M601 / M621 / M751 / MK-70 / MK-80					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	M801 / M630S					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	MK70 / MK80					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	R552					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	RS40 / RS45					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	Super III					W22MP-US	6049	0,5	W22MPR-U	6043	
Cutters	HP36					W22MP-US	6049	0,5	W22MPR-U	6043	
Log Splitters	Split 40					W22MP-US	6049	0,5	W22MPR-U	6043	
Mowers	346 / 350S / 446R / 446RD / 446RDE		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071	
Mowers	450M / 450R / 455SD / 455RD / 555RD / 555RDE		Tecumseh Engine			W9LM-US	6057	0,7	W9LMR-US	6071	
Mowers	JS241		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071	
Pumps	WP25					W20MP-U	6023	0,5			
KATO											
Mowers			B & S / Kohler Eng.			W9LM-US	6057	0,8	W9LMR-US	6071	
Mowers	G200		Honda Engine			W16FS-U	3034	0,8	W16FSR	3033	
KAWASAKI											
Blowers	KRB 400A / B			49 cc				0,5	W22MPR-U	6043	
Brushcutters	KHD 600A / B			23 cc				0,7	W14MR-U	6019	
Brushcutters	KHS 750A / B			23 cc				0,7	W14MR-U	6019	
Brushcutters	KHT 600D			23 cc				0,7	W14MR-U	6019	
Brushcutters	KHT 750D			23 cc				0,7	W14MR-U	6019	
Generators	GA 1000 / GA 1400							0,8	W20SR-U	3076	
Generators	GA 1800A / GA 2300A							0,7	W14FPR-U	4184	
Generators	GA 3200A / GA 2300AS							0,7	W14FPR-U	4184	
Generators	GA 550A / GC 550A / GD 550A		4-Stroke	76 cc				0,7	W20MR-U	6025	

				KW	HP	Standard		Alternative	
KAWASAKI <i>continued</i>									
Generators	GA1000A / GA1400A		4-Stroke 129 cc					0,7	W20MR-U 6025
Generators	GD 700A / GD 700AS		4-Stroke 76 cc					0,7	W20MR-U 6025
Generators	GE 2200A / GE 2900A		4-Stroke, OHV 171 cc					0,7	W16EPR-U 3021
Generators	GE 2900 / GE 4000							0,7	W16EPR-U 3021
Generators	GE 4300(A) / GE 4500(A)		4-Stroke, OHV					0,7	W16EPR-U 3021
Generators	GE 5000 / GE 5000AS		4-Stroke, OHV 286 cc					0,7	W16EPR-U 3021
Generators	KG 750 / KG 1100 / KG 2900							0,8	W20SR-U 3076
Generators	KG 550B / KG 1600(B) / KG 2900							0,7	W20FSR-U 6053
Generators	KG 600 / KG 700 / KG 750					W20FS-U	3073	0,7	W20FSR-U 6053
Power Equipment	FA 76 / FA 76 D / FA 130 / FA 210							0,7	W20MR-U 6025
Power Equipment	FA 130D		129 cc	2.3	3.1			0,7	W20MR-U 6025
Power Equipment	FA 210D		207 cc	3.8	5.2			0,7	W20MR-U 6025
Power Equipment	FA 210V		207 cc	3.8	5.2			0,7	W20MR-U 6025
Power Equipment	FB 460 / FB 460 VD		460 cc	9.3	12.5			0,7	W14MR-U 6019
Power Equipment	FC 150							0,7	W20EPR-U 3047
Power Equipment	FC 150V		OHV 153 cc	3.7	5.0			0,7	W20EPR-U 3047
Power Equipment	FC 180V		OHV 182 cc	4.5	6.0			0,7	W16EPR-U 3021
Power Equipment	FC 290 / FC 401 / FC 420 / FC 540							0,7	W16EPR-U 3021
Power Equipment	FC 290V		OHV 286 cc	6.6	9.0			0,7	W16EPR-U 3021
Power Equipment	FC 400V / FC 401V		OHV 423 cc	9.7	13.0			0,7	W16EPR-U 3021
Power Equipment	FC 420V		OHV 423 cc	10.4	14.0			0,7	W16EPR-U 3021
Power Equipment	FC 540V		OHV 535 cc	12.5	17.0			0,7	W16EPR-U 3021
Power Equipment	FD 440V / FD 440D (Liquid V-Twin)		OHV 437 cc	10.7	14.5			0,7	W20MR-U 6025
Power Equipment	FD 501V / FD 501D (Liquid V-Twin)		OHV 437 cc	11.8	16.0			0,7	W20MR-U 6025
Power Equipment	FD 590V (Liquid V-Twin)		OHV 585 cc	13.2	18.0			0,7	W20MR-U 6025
Power Equipment	FD 620D (Liquid V-Twin)		OHV 617 cc	14.9	20.0			0,7	W14MR-U 6019
Power Equipment	FE 120 (D)		OHV 124 cc	2.8	3.7			0,7	W16EPR-U 3021
Power Equipment	FE 170(D)		OHV 171 cc	3.9	5.3			0,7	W16EPR-U 3021
Power Equipment	FE 250(D)		OHV 249 cc	5.8	7.9			0,7	W16EPR-U 3021
Power Equipment	FE 290(D)		OHV 286 cc	6.6	9.0			0,7	W16EPR-U 3021
Power Equipment	FE 350(D)		OHV 351 cc	8.2	11.1			0,7	W16EPR-U 3021
Power Equipment	FG 110 / FG 150 / FG 200 / FG 201					W14FP-U	4013	0,7	W14FPR-U 4184
Power Equipment	FG 230 / FG 270 / FG 300					W14FP-U	4013	0,7	W14FPR-U 4184
Power Equipment	FG 150D		151 cc	2.6	3.6	W14FP-U	4013	0,7	W14FPR-U 4184
Power Equipment	FG 200D		201 cc	3.7	5.0	W14FP-U	4013	0,7	W14FPR-U 4184
Power Equipment	FG 300D		296 cc	5.5	7.5	W14FP-U	4013	0,7	W14FPR-U 4184
Power Equipment	KF 100D		397 cc	7.4	10.0	W14F-U	4012	0,7	W14FR-U 4017
Power Equipment	FA 760 D		76 cc	1.3	1.7			0,7	W20MR-U 6025
Power Equipment	FB 460 (VD)		460 cc	9.2	12.5			0,7	W14MR-U 6019
Power Equipment	FE 620(D) (Liquid V-Twin)		OHV 617 cc	14.9	20.0			0,7	W14MR-U 6019
Power Equipment	KF 34 / KF 64 / KF 81					W20M-US	6036	0,7	W20MR-U 6025
Power Equipment	KF 82 (D)		341 cc	6.0	8.2	W20FS-U	3073	0,7	W20FSR-U 6053
Power Equipment	KF 24 / KF 53A		341 cc			W20FS-U	3073	0,7	W20FSR-U 6053
Power Equipment	KF 150(D)		581 cc	10.3	14.0	W14F-U	4012	0,7	W14FR-U 4017
Power Equipment	KF 200(D)		795 cc	14.7	20.0	W14F-U	4012	0,7	W14FR-U 4017
Power Equipment	KT 12D / KT 12J / KT15D					W22M-US	6048	0,7	
Power Equipment	KT 15J					W20S-U	3075	0,7	W20SR-U 3076
Power Equipment	KT 12 AD / KT 17							0,7	W20MR-U 6025
Power Equipment	KT 17J					W22M-US	6048	0,7	
Power Equipment	KT 18 J / KT 28	(83-)				W14-US	6033	0,7	
Power Equipment	KT 18 J / KT 28	(-82)				W20S-U	3075	0,7	W20SR-U 3076
Power Equipment	KT 29 / KT 33 / KT 43					W20FS-U	3073	0,7	W20FSR-U 6053
Power Equipment	KT 30 J / KT 35					W20S-U	3075	0,7	W20SR-U 3076
Power Equipment	TA 33 / TD 48 / TF 22					W20M-US	6036	0,7	W20MR-U 6025
Power Equipment	TA 36 / TA 40 / TA 51			1.7	2.3	W22S-U	4027	0,7	
Power Equipment	TD 18		29 cc			W20M-US	6036	0,7	W20MR-U 6025
Power Equipment	TD 24 / TD 33					W20M-US	6036	0,7	W20MR-U 6025
Power Equipment	TD 40 / TD 48					W20M-US	6036	0,7	W20MR-U 6025
Power Equipment	TD 51		52 cc	1.7	2.3	W22M-US	6048	0,7	
Power Equipment	TE 27 / TE 35 / TE 40 / TE 48 / TE 56		2-Stroke	1,4 - 2,9	1,9 - 3,9	W22M-US	6048	0,7	
Power Equipment	TE 40-MX			1.8	2.4	W20M-US	6036	0,7	W20MR-U 6025
Power Equipment	TEX 54		2-Stroke 48 cc	2.8	3.7	W20M-US	6036	0,7	W20MR-U 6025
Power Equipment	TF 22 / TF 23 / TF 24 / TF 33		2-Stroke	0,6 - 1,1	0,8 - 1,5	W22M-US	6048	0,7	
Power Equipment	TG 18 / TG 20 / TG 24 / TG 25 / TG 28 / TG 33		2-Stroke	0,4 - 1,0	0,6 - 1,4	W20M-US	6036	0,7	W20MR-U 6025

				KW	HP	Standard			Alternative		
											
KAWASAKI <i>continued</i>											
Power Equipment	TGX 23		2-Stroke	25 cc	0.7	0.9	W20M-US	6036	0.7	W20MR-U	6025
Power Equipment	TH 43 / TH 48		2-Stroke		1.3 - 1.4	1.8 - 1.9	W20M-US	6036	0.7	W20MR-U	6025
Pumps	KWN10A		TF22H	23 cc			W22M-US	6048	0.7		
Pump	KWN15A	4-Stroke, SV	FA 76D	76 cc			W20M-US		0.7	W20MR-U	6025
Pumps	KWN20A		FE120D	124 cc					0.7	W16EPR-U	3021
Pumps	KWN30A		FE170D	171 cc					0.7	W16EPR-U	3021
Trimmer	KBH 26A			26					0.7	W22MPR-U	6043
Trimmer	KBH 27A			27 cc	1.2	1.6			0.7	W20MPR-U10	6032
Trimmer	KBH 33A			33 cc					0.7	W20MR-U	6025
Trimmer	KBH 34A			34 cc	1.5	2.0			0.7	W20MR-U	6025
Trimmer	KBH 43A			43 cc	2.0	2.7			0.7	W20MR-U	6025
Trimmer	KBH 48A			48 cc	2.2	3.0			0.7	W20MR-U	6025
Trimmer	KBL 23A			23 cc	1.0	1.3			0.7	W22MPR-U	6043
Trimmer	KBL 26A			26 cc					0.7	W22MPR-U	6043
Trimmer	KBL 27A			27 cc	1.2	1.6			0.7	W20MPR-U10	6032
Trimmer	KBL 34A			34 cc	1.5	2.0			0.7	W20MR-U	6025
Trimmer	KBL 43A			43 cc	2.0	2.7			0.7	W20MR-U	6025
Trimmer	KBL 48A			48 cc	1.6	3.0			0.7	W20MR-U	6025
KEE											
Mowers			B & S Engine				W9LM-US	6057	0.8	W9LMR-US	6071
Mowers			Honda Engine		1.6	2.2	W22MP-US	6049	0.8	W22MPR-U	6043
Mowers	K 181		Kohler Engine				W14-US	6033	0.8		
KINCO											
Mowers	All Models						W9LM-US	6057	0.8	W9LMR-US	6071
KING O'LAWN											
Chainsaws	Mark II						W20M-US	6036	0.6	W20MR-U	6025
KIORITZ											
Brushcutters	CSAH302 / DM9 / GTL140A / GT140B						W20M-US	6036	0.6	W20MR-U	6025
Brushcutters	GT160 / GT160A						W20M-US	6036	0.6	W20MR-U	6025
Brushcutters	GT200 / HC140 / HC160 / HC200 / HC210E / HT200						W20M-US	6036	0.6	W20MR-U	6025
Brushcutters	PB200 / PB202 / PB400 / PB400E						W20M-US	6036	0.6	W20MR-U	6025
Brushcutters	PB9						W14-US	6033	0.6		
Brushcutters	SRM-140D / SRM-141D / SRM-200D / SRM-202DA						W20M-US	6036	0.6	W20MR-U	6025
Brushcutters	SRM-140DA / SRM-190 / SRM-200 / SRM-200B						W20M-US	6036	0.6	W20MR-U	6025
Brushcutters	SRM-200AE / SRM-200DA / SRM-200DB						W20M-US	6036	0.6	W20MR-U	6025
Brushcutters	SRM-201F / SRM201FA / SRM-205D / SRM-401						W20M-US	6036	0.6	W20MR-U	6025
Brushcutters	SRM-300E / SRM300AE / SRM-302ADX / SRM-501DE						T20M-U	6039	0.6		
Chainsaws	2800 / 2900 / 4600						W22MP-US	6049	0.6	W22MPR-U	6043
Chainsaws	280E / 290EVL / 400 / 400EVL / 500VL / 500EVL						W20MP-U	6023	0.6		
Chainsaws	290VL / 400EVL / 500VL						W22MP-US	6049	0.6	W22MPR-U	6043
Chainsaws	301 / 302 / 302S / 302VL / 304 / 315 / 315VL / 330						W20M-US	6036	0.6	W20MR-U	6025
Chainsaws	304 / 315 / 330						W20M-US	6036	0.6	W20MR-U	6025
Chainsaws	351 / 351VL						W20M-US	6036	0.6	W20MR-U	6025
Chainsaws	440EVL / 550EVL / 602EVL / 602VL						W22MP-US	6049	0.6	W22MPR-U	6043
Chainsaws	451VL / 452VL						W20M-US	6036	0.6	W20MR-U	6025
Chainsaws	601 / 601VL / 601S / 601SVL / 701VL						W20M-US	6036	0.6	W20MR-U	6025
Chainsaws	602EVL / 602VL / 650 / 702EVL / 702VL / 825EVL						W20M-US	6036	0.6	W20MR-U	6025
Chainsaws	60S / 80Z / 100 / 280 / S-290EVL						W20M-US	6036	0.6	W20MR-U	6025
Chainsaws	610VL / 650EVL / 660EVL / 702EVL						W22MP-US	6049	0.6	W22MPR-U	6043
Chainsaws	701 / 701S / 701SEL / 701VL / 701SVL / 801 / 802 / 802S						W20M-US	6036	0.6	W20MR-U	6025
Chainsaws	750EVL / 825EVL						W22MP-US	6049	0.6	W22MPR-U	6043
Chainsaws	900EVL / CS900 / 1001EVL						W22MP-US	6049	0.6	W22MPR-U	6043
Chainsaws	4600 / 5500						W22MP-US	6049	0.6	W22MPR-U	6043
Chainsaws	8000						W22MP-US	6049	0.6	W22MPR-U	6043
Chainsaws	CS2800						W20MP-U	6023	0.6		
Chainsaws	QV6700						W22MP-US	6049	0.6	W22MPR-U	6043
Chainsaws	S290 / 300EVL						W20M-US	6036	0.6	W20MR-U	6025

				KW	HP	Standard			Alternative		
									R 		
KIORITZ <i>continued</i>											
Power Equipment	13.8cc , 20.1cc , 21.2cc , 30.1cc					W20M-US	6036	0,7	W20MR-U	6025	
Power Equipment	30.8cc , 39.7cc , 35.2cc , 44.3cc					W20M-US	6036	0,7	W20MR-U	6025	
Power Equipment	49.9cc					W20MP-U	6023	0,7			
Power Equipment	78.6cc					W22MP-US	6049	0,7	W22MPR-U	6043	
KOHLER											
Power Equipment	C 5 / CH 5		Command Single	180 cc	3.7	5.0			0,8	Q16PR-U	3137
Power Equipment	C 6 / CH 6		Command Single	180 cc	4.4	6.0			0,8	Q16PR-U	3137
Power Equipment	CH 11 / CV 11		Command Single	398 cc	8.1	11.0			0,8	Q16PR-U	3137
Power Equipment	CH 12.5 / CV 12.5		Command Single	398 cc	9.2	12.5			0,8	Q16PR-U	3137
Power Equipment	CH 13 / CV 13		Command Single	398 cc	9.8	13.0			0,8	Q16PR-U	3137
Power Equipment	CH 14 / CV 14		Command Single	398 cc	10.3	14.0			0,8	Q16PR-U	3137
Power Equipment	CH 15 / CV 15		Command Single	426 cc	11.2	15.0			0,8	Q16PR-U	3137
Power Equipment	CH 16 / CV 16		Command Single	426 cc	11.9	16.0			0,8	Q16PR-U	3137
Power Equipment	CV 17		Command Twin	624 cc	12.7	17.0			0,8	Q16PR-U	3137
Power Equipment	CH 18 / CV 18		Command Twin	624 cc	13.2	18.0			0,8	Q16PR-U	3137
Power Equipment	CH 20 / CV 20		Command Twin	624 cc	14.7	20.0			0,8	Q16PR-U	3137
Power Equipment	CH 22 / CV 22		Command Twin	624 cc					0,8	Q16PR-U	3137
Power Equipment	CH 23 / CV 23		Command Twin	624 cc	16.4	22.0			0,8	Q16PR-U	3137
Power Equipment	CH 25 / CV 25		Command Twin	725 cc	18.4	25.0			0,8	Q16PR-U	3137
Power Equipment	CH 26 / CH 26		Command Twin	725 cc	19.4	26.0			0,8	Q16PR-U	3137
Power Equipment	CV 460		Command Single	460 cc	11.9	16.0			0,8	Q16PR-U	3137
Power Equipment	CV 461		Command Single	460 cc	11.9	16.0			0,8	Q16PR-U	3137
Power Equipment	CV 490		Command Single	490 cc	12.7	17.0			0,8	Q16PR-U	3137
Power Equipment	CV 491		Command Single	490 cc	12.7	17.0			0,8	Q16PR-U	3137
Power Equipment	CV 492		Command Single	490 cc	12.7	17.0			0,8	Q16PR-U	3137
Power Equipment	CV 493		Command Single	490 cc	12.7	17.0			0,8	Q16PR-U	3137
Power Equipment	CV 624		Command Twin	674 cc	16.4	22.0			0,8	Q16PR-U	3137
Power Equipment	CV 675		Command Twin	674 cc	16.4	22.0			0,8	Q16PR-U	3137
Power Equipment	CV 724		Command Twin	725 cc	18.6	25.0			0,8	Q16PR-U	3137
Power Equipment	CH 730 / CV 730		Command Twin	725 cc	18.6	25.0			0,8	Q16PR-U	3137
Power Equipment	CH 740 / CV 740		Command Twin	725 cc	20.1	27.0			0,8	Q16PR-U	3137
Power Equipment	CH 745 / CV 745		Command Twin	725 cc	20.9	28.0			0,8	Q16PR-U	3137
Power Equipment	CS 4		Command Pro CS	123 cc	3.0	4.0			0,8	W14EPR-U	6011
Power Equipment	CS 6		Command Pro CS	171 cc	4.5	6.0			0,8	W14EPR-U	6011
Power Equipment	CS 8.5		Command Pro CS	251 cc	6.3	8.0			0,8	W14EPR-U	6011
Power Equipment	CS 10		Command Pro CS	301 cc	7.5	10.0			0,8	W14EPR-U	6011

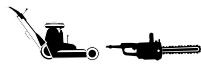







				KW	HP	Standard			Alternative		
											
KOHLER continued											
Power Equipment	CS 12		Command Pro CS	357 cc	8.9	12.0			0,8	W14EPR-U	6011
Power Equipment	K 7		K-Series		2.9	4.0	W14-US	6033	0,8		
Power Equipment	K 12		K-Series		5.9	8.0	W14-US	6033	0,6		
Power Equipment	K 90 / K 91 / K101		K-Series		2.9	4.0	W14-US	6033	0,5		
Power Equipment	K 121		K-Series		3.7	5.0	W14-US	6033	0,5		
Power Equipment	K 141		K-Series		4.6	6.3	W14-US	6033	0,5		
Power Equipment	K 160 / K 161		K-Series	277 cc	5.1	7.0	W14-US	6033	0,5		
Power Equipment	K 181 / L 181		K-Series	305 cc	5.9	8.0	W14-US	6033	0,5		
Power Equipment	K 241		K-Series	392 cc	7.4	10.0	W16LS	3035	0,5		
Power Equipment	K 301		K-Series	476 cc	8.8	12.0	W16LS	3035	0,5		
Power Equipment	K 321		K-Series	513 cc	10.3	14.0	W16LS	3035	0,5		
Power Equipment	K 330 / K 331		K-Series		10.3	14.0	W14-US	6033	0,5		
Power Equipment	K 341		K-Series	588 cc	11.8	16.0	W16LS	3035	0,5		
Power Equipment	K 361		K-Series	588 cc	13.2	18.0	W16LS	3035	0,5		
Power Equipment	K 482		K-Series	810 cc	13.2	18.0	W16LS	3035	0,6		
Power Equipment	K 532		K-Series	880 cc	14.7	20.0	W16LS	3035	0,5		
Power Equipment	K 582		K-Series	946 cc	16.9	23.0	W16LS	3035	0,5		
Power Equipment	K 660 / K 662		K-Series		17.6	24.0	W14-US	6033	0,5		
Power Equipment	KL 25		K-Series		18.4	25.0	W20EP-U	3043	0,5	W20EPR-U	3047
Power Equipment	KT 17		K-Series	691 cc	12.5	17.0			0,5	T14PR-U	5020
Power Equipment	KT 19		K-Series	770 cc	14.0	19.0			0,5	T14PR-U	5020
Power Equipment	KT 20		K-Series		14.7	20.0			0,5	T14PR-U	5020
Power Equipment	KT 21		K-Series	865 cc	15.4	21.0			0,5	T14PR-U	5020
Power Equipment	LH 630		Aegis	624 cc	16.4	22.0			0,8	Q16PR-U	3137
Power Equipment	LH 640		Aegis	624 cc	17.9	24.0			0,8	Q16PR-U	3137
Power Equipment	LH 685		Aegis	674 cc	18.6	25.0			0,8	Q16PR-U	3137
Power Equipment	LH 690		Aegis	674 cc	19.4	26.0			0,8	Q16PR-U	3137
Power Equipment	LH 755		Aegis	748 cc	20.9	28.0			0,8	Q16PR-U	3137
Power Equipment	LH 775		Aegis	748 cc	23.1	31.0			0,8	Q16PR-U	3137
Power Equipment	LV 625		Aegis	624 cc	14.9	20.0			0,8	Q16PR-U	3137
Power Equipment	LV 675		Aegis	674 cc	17.2	23.0			0,8	Q16PR-U	3137
Power Equipment	LV 680		Aegis	674 cc	17.9	24.0			0,8	Q16PR-U	3137
Power Equipment	M 8		Magnum	75 cc	5.9	8.0			0,5	W20MR-U	6025
Power Equipment	M 10		Magnum	392 cc	7.4	10.0	W16LS	3035	0,5		
Power Equipment	M 12		Magnum	476 cc	8.8	12.0	W16LS	3035	0,5		
Power Equipment	M 14		Magnum		10.3	14.0			0,5	T14PR-U	5020
Power Equipment	M 16		Magnum	588 cc	11.8	16.0	W16LS	3035	0,5		
Power Equipment	M 18		Magnum	691 cc	13.2	18.0			0,5	T14PR-U	5020
Power Equipment	M 20		Magnum	770 cc	14.7	20.0			0,5	T14PR-U	5020
Power Equipment	MV 16		Magnum	770 cc	11.8	16.0			0,5	T14PR-U	5020
Power Equipment	MV 18		Magnum	691 cc	13.2	18.0			0,5	T14PR-U	5020
Power Equipment	MV 20		Magnum	770 cc	14.7	20.0			0,5	T14PR-U	5020
Power Equipment	SV 470		Courage Single	477 cc	11.2	15.0			0,8	Q16PR-U	3137
Power Equipment	SV 480		Courage Single	477 cc	11.9	16.0			0,8	Q16PR-U	3137
Power Equipment	SV 530		Courage Single	535 cc	12.7	17.0			0,8	Q16PR-U	3137
Power Equipment	SV 540		Courage Single	535 cc	13.4	18.0			0,8	Q16PR-U	3137
Power Equipment	SV 590		Courage Single	597 cc	14.1	19.0			0,8	Q16PR-U	3137
Power Equipment	SV 600		Courage Single	597 cc	14.9	20.0			0,8	Q16PR-U	3137
Power Equipment	TH 16		OHC	519 cc	11.9	16.0			0,8	Q16PR-U	3137
Power Equipment	TH 18		OHC	574 cc	13.4	18.0			0,8	Q16PR-U	3137
Power Equipment	TH 520		Triad OHC	520 cc	11.9	16.0			0,8	Q16PR-U	3137
Power Equipment	TH 575		Triad OHC	574 cc	13.4	18.0			0,8	Q16PR-U	3137
Power Equipment	TH 650		Triad OHC	653 cc	14.9	20.0			0,8	Q16PR-U	3137
Go Kart	XKE 6		Command	180 cc	4.5	6.0			0,8	Q16PR-U	3137
KOMATSU											
Lift Trucks	FG 08 Fuji EW 50			490 cc			W20ES-U	3051	0,7	W20ESR-U	3057
Lift Trucks	FG 10 / 14 / 15 (Nissan D 11)			1138 cc			W20ES-U	3051	0,8	W20ESR-U	3057
Lift Trucks	FG 20 / 25 / 30 / 35 / 40 (Nissan H 20)			1982 cc			W20ES-U	3051	0,8	W20ESR-U	3057
Lift Trucks	FG 25 / 30 / 35 (Nissan H20)			1138 cc			W20ES-U	3051	0,8	W20ESR-U	3057
KOMATSU ZENOAH											
Blower	EB 430			42 cc			W16FS-U	3034	0,6	W16FSR	3033








				KW	HP	Standard			Alternative		
											
KOMATSU ZENOAH <i>continued</i>											
Blower	EB 440		42 cc			W16FS-U	3034	0,6	W16FSR	3033	
Blower	EB 6200		42 cc			W16FS-U	3034	0,6	W16FSR	3033	
Chainsaws	G 36AV / G36AVS / G50AV					W22MP-US	6049	0,7	W22MPR-U	6043	
Chainsaws	G 250 TS		2-Stroke, 1-Cyl. 26 cc	0.9	1.2	W22MP-US	6049	0,6	W22MPR-U	6043	
Chainsaws	G 300AV / G 300AVS / G 300T / G 300TS					W20MP-U	6023	0,6			
Chainsaws	G 320AV / G 320AVS / G 380AV / G 380AVS					W20MP-U	6023	0,6			
Chainsaws	G 400AVS / G 450AVS / G 560AV / G 560AVS					W22MP-US	6049	0,6	W22MPR-U	6043	
Chainsaws	G 560AV / G560AVS					W22MP-US	6049	0,7	W22MPR-U	6043	
Chainsaws	G 561AVS / G 651AVSH / G 620AV / G 620AVS					W22MP-US	6049	0,6	W22MPR-U	6043	
Chainsaws	G 620AV / G620AVS					W22MP-US	6049	0,7	W22MPR-U	6043	
Chainsaws	G 621AVS / G 621AVSH					W22MP-US	6049	0,6	W22MPR-U	6043	
Drills	AG 230		G 23 LH 23 cc	0.7	1.0	W22MP-US	6049	0,6	W22MPR-U	6043	
Drills	AG 431		G 4 K 42 cc			W16FS-U	3034	0,6	W16FSR	3033	
Duster / Mister	MD 431 (A, D, M)		42 cc			W16FS-U	3034	0,6	W16FSR	3033	
Hedge trimmers	HT 2300 A		G 23 LH 23 cc	0.7	1.0	W22MP-US	6049	0,6	W22MPR-U	6043	
Hedge trimmers	CHT 2300 B / CHT 2300 D		G 23 LH 23 cc	0.7	1.0	W22MP-US	6049	0,6	W22MPR-U	6043	
Hobby Engines (Road)			G 23 LH (CDI) 23 cc	0.9	1.2	W22MP-US	6049	0,6	W22MPR-U	6043	
Hobby Engines (Road)			G 2 D 70-D 23 cc	1.4	1.9	W22M-US	6048	0,6			
Hobby Engines (Road)		(Low load = option)	G 230 RC cc	2.1	2.9			0,6	U22FSR-U	4008	
Hobby Engines (Road)		(Standard)	G 230 RC 23 cc	2.1	2.9			0,6	U24FSR-U	4010	
Hobby Engines (Road)		(High performance = option)	G 230 RC 23 cc	2.1	2.9			0,6	IUF24	5384	
Hobby Engines (Road)		(Tuning stage 1 = option)	G 230 RC 23 cc					0,7	IUF27A	5385	
Hobby Engines (Road)		(Tuning stage 2 = option)	G 230 RC 23 cc					0,7	IUF31A	5386	
Hobby Engines (Model airplane)			G 230 PU (CDI) 23 cc	1.3	1.8	W22M-US	6048	0,6			
Hobby Engines (Helicopter)			G 230 PUH (CDI) 23 cc	1.3	1.8	W22M-US	6048	0,6			
Hobby Engines (Boat)			G 230 PUM (CDI, Liquid.) 23 cc	1.3	1.8	W22M-US	6048	0,6			
Hobby Engines (Model airplane)			G 380 PU 37 cc	1.7	2.3			0,6	W22MPR-U	6043	
Hobby Engines (Model airplane)			G 450 PU (CDI) 45 cc	2.4	3.3			0,6	W22MPR-U	6043	
Hobby Engines (Model airplane)			G 620 PU (CDI) 62 cc	3.5	4.7			0,6	W22MPR-U	6043	
Hobby Engines (Model airplane)			G 740 PU (CDI) 74 cc	4.0	5.5			0,6	W22MPR-U	6043	
Power Equipment	G 1A / G 1A6		15 cc			W20M-US	6036	0,6	W20MR-U	6025	
Power Equipment	G 1E		17 cc					0,6	W20MR-U	6025	
Power Equipment	G 2A		23 cc			W20M-US	6036	0,6	W20MR-U	6025	
Power Equipment	G 2C / G 2D / G 2D30 / G 2A16		23 cc			W22M-US	6048	0,6			
Power Equipment	G 2E		23 cc			W20M-US	6036	0,6	W20MR-U	6025	
Power Equipment	G 310 / 3D10 / G 3D20		32 cc			W20MP-U	6023	0,6			
Power Equipment	G 3C / G3C76 / G3D10		32 cc			W16FS-U	3034	0,6	W16FSR	3033	
Power Equipment	G 3 E		25 cc					0,6	W20MR-U	6025	
Power Equipment	G 3 K		34 cc			W22M-US	6048	0,6			
Power Equipment	G 4C / G 4C63 / G 4C76		37 cc			W16FS-U	3034	0,6	W16FSR	3033	
Power Equipment	G 4 K		42 cc			W16FS-U	3034	0,6	W16FSR	3033	
Power Equipment	G 5C		53 cc			W20S-U	3075	0,6	W20SR-U	3076	
Power Equipment	G 5E / G 5E2		52 cc			W16FS-U	3034	0,6	W16FSR	3033	
Power Sprayers	NS 530 / RS 5 B		G 23 L 23 cc	0.7	1.0	W22MP-US	6049	0,6	W22MPR-U	6043	
Power Sprayers	MD 20 AE					W22M-US	6048	0,6			
Power Sprayers	MD 40 AE					W16FS-U	3034	0,6	W16FSR	3033	
Pumps	PE 250		2-Stroke, 1-Cyl. 34 cc			W22M-US	6048	0,6			
Pumps	PE 400		2-Stroke, 1-Cyl. 42 cc			W16FS-U	3034	0,6	W16FSR	3033	
Trimmer	BC 153 E1 / BC 174 E					W20M-US	6036	0,6	W20MR-U	6025	
Trimmer	BC 234 B					W22M-US	6048	0,6			
Trimmer	FBC 33					W20S-U	3075	0,7	W20SR-U	3076	
KUBOTA											
Lawn Tractors				14.0	19.0			0,8	Q16PR-U	3137	
Lawn Tractors	Model T - 14					W16FP-U	4019	0,8	W16FPR-U	4192	
Lawn Tractors	Model WG 600			15.4	21.0			0,8	Q16PR-U	3137	
Lawn Tractors	Model WG 750			17.6	24.0			0,8	Q16PR-U	3137	
Lawn Tractors	Model WG 750		Severe service	17.6	24.0	Q20P-U	3125	0,8	Q20PR-U	3007	
Mowers			OHV	3.7	5.0	W20EP-U	3043	0,8	W20EPR-U	3047	
Power Equipment	GH 120		4-Stroke 121 cc	2.7	3.7	W20FP-U	3068	0,7	W20FPR-U	3070	
Power Equipment	GH 150		4-Stroke 146 cc	3.7	5.0			0,8	W9EXR-U	6044	









				KW	HP	Standard			Alternative		
											
KUBOTA <i>continued</i>											
Power Equipment	GH 170		4-Stroke	176 cc	4.0	5.5	W20FP-U	3068	0,7	W20FPR-U	3070
Power Equipment	GH 250		4-Stroke	247 cc	5.9	8.0	W20FP-U	3068	0,7	W20FPR-U	3070
Power Equipment	GH 280		4-Stroke	274 cc	6.6	9.0	W20FP-U	3068	0,7	W20FPR-U	3070
Power Equipment	GH 400		4-Stroke	390 cc	9.6	13.0	W14FP-U	4013	0,5	W14FPR-U	4184
Power Equipment	GS 90		4-Stroke	84 cc	1.0	1.4	W14F-U	4012	0,5	W14FR-U	4017
Power Equipment	GS 130		4-Stroke	130 cc	1.7	2.3	W14FP-U	4013	0,5	W14FPR-U	4184
Power Equipment	GS 150		4-Stroke	147 cc	2.0	2.7	W14FP-U	4013	0,5	W14FPR-U	4184
Power Equipment	GS 160		4-Stroke	154 cc	2.0	2.8	W16EP-U	3018	0,8	W16EPR-U	3021
Power Equipment	GS 200		4-Stroke	200 cc	2.8	3.1	W16EP-U	3018	0,8	W16EPR-U	3021
Power Equipment	GS 230		4-Stroke	226 cc	2.9	4.0	W14FP-U	4013	0,5	W14FPR-U	4184
Power Equipment	GS 280		4-Stroke	276 cc	4.0	5.5	W14FP-U	4013	0,5	W14FPR-U	4184
LA FONT											
Log Splitters			B & S Engine				W20M-US	6036	0,6	W20MR-U	6025
Log Splitters	K582		Kohler Engine				W16LS	3035	0,6		
LANCASTER											
Chainsaws	50HL / 50IL / 60HL / 600HL / 700HL						W20M-US	6036	0,8	W20MR-U	6025
Chainsaws	200A / 325 / 350 / 350A / 350B / 350R						W14-US	6033	0,7		
Chainsaws	318A / 318PI / 400A						W14-US	6033	0,7		
Chainsaws	400A / 400B / 400S / 425 / 440 / 447 / 450						W14-US	6033	0,7		
Chainsaws	540 / 547 / 550 / 645 / 655 / 670						W14-US	6033	0,7		
Chainsaws	555 / 560						W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	558 / 650 / 658						W14-US	6033	0,7		
Chainsaws	Mini-Twelve / Mini Auto / SLA - 20						W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	Models 500 / 585 / 600						W14L	6013	0,7		
Chainsaws	Six - 10 / Eight - 20						W22FS-U	4025	0,7	W22FSR	4024
LANDMARK											
			B & S Engine				W9LM-US	6057	0,8	W9LMR-US	6071
			Tecumseh Engine				W14LM-US	6035	0,7	W14LMR-US	6072
LANDMASTER											
Mowers	Stoic / Saturn		B & S Engine				W9LM-US	6057	0,7	W9LMR-US	6071
LANDONI											
Brushcutters	LF30CF / LF30CL / LF30ST / LF36S / LF36ST / LF36S						W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	L-40						W20M-US	6036	0,6	W20MR-U	6025
Chainsaws	L-48E / L-48S						W20MP-U	6023	0,6		
Chainsaws	L-75 / L-773						T20M-U	6039	0,6		
Chainsaws	L-771E / L-771S / L-772E / L-772L / L-772S						W20MP-U	6023	0,6		
Chainsaws	L-90						W24FS-U	4038	0,6	W24FSR	4037
Chainsaws	L-98 / L-110						W22FS-U	4025	0,6	W22FSR	4024
LASER											
Lawn Tractors	L 80						W9LM-US	6057	0,7	W9LMR-US	6071
Lawn Tractors	L 85 / L 110							0,8	Q16PR-U	3137	
Lawn Tractors	L 120							0,6	T16PR-U	5025	
LAWN CHIEF											
Mowers			B & S Engine				W9LM-US	6057	0,8	W9LMR-US	6071
Mowers			B & S Engine					0,8	Q16PR-U	3137	
LAWNBOY											
Brushcutters							T20M-U	6039	0,5		
Mowers			B & S Engine				W9LM-US	6057	0,7	W9LMR-US	6071
Mowers			Tecumseh Engine				W14-US	6033	0,7		
Mowers	4535CT / 8290						W14-US	6033	0,8		
Mowers	M 18 (Kohler)				13.2	18.0			0,6	T14PR-U	5020
Mowers	Sol. Std. Ignition						W14M-US	6034	0,8	W14MR-U	6019
Mowers	Std. Ignition						W14M-US	6034	0,6	W14MR-U	6019
LAWNFLITE											
Mowers	All Models		B & S Engine				W9LM-US	6057	0,8	W9LMR-US	6071
Tractors			B & S Engine				W9LM-US	6057	0,8	W9LMR-US	6071
Tractors			Tecumseh Engine				W14-US	6033	0,7		
LAWNMASTER											
Mowers	All Models		B & S Engine				W9LM-US	6057	0,8	W9LMR-US	6071
LAZY BOY											
Mowers	All Models						W9LM-US	6057	0,8	W9LMR-US	6071
LINK											
Mowers	24in. Flail Mower (Robin)						W16FS-U	3034	0,6	W16FSR	3033
LITTLE WONDER											
Mowers			B & S Engine				W9LM-US	6057	0,7	W9LMR-US	6071
Mowers			Kohler Engine				W14-US	6033	0,7		








				KW	HP	Standard			Alternative		
											
LLOYDS											
Mowers	Ariel		Honda Engine			W22FS-U	4025	0,6	W22FSR	4024	
Mowers	Paladin		Honda Engine			W22FS-U	4025	0,6	W22FSR	4024	
Mowers	Pennsylvania		Honda Engine			W16FS-U	3034	0,5	W16FSR	3033	
LOCKE											
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071	
LOMBARD											
Chainsaws	3.3A / 3.5 / 5.5A / 30 / 34 / 35 / 36 / 37					W20M-US	6036	0,6	W20MR-U	6025	
Chainsaws	4 / 7					W14-US	6033	0,6			
Chainsaws	AL-42 / AL-51 & Automatic					W22M-US	6048	0,7			
Chainsaws	AP22 / AP22-1 / AP22D / AP22D-1					W22MP-US	6049	0,7	W22MPR-U	6043	
Chainsaws	AP24 / AP24D / AP24SE					W22MP-US	6049	0,7	W22MPR-U	6043	
Chainsaws	AP42 / AP42-1 / AP42D / AP42D-AV / AP42SE					W22MP-US	6049	0,7	W22MPR-U	6043	
Chainsaws	F-54 / 660 / 68 / 69 / 70					W20M-US	6036	0,7	W20MR-U	6025	
Chainsaws	L-30 / L-50 / L-55 / L-70 / L-80 / L-90 / L-100					W20M-US	6036	0,7	W20MR-U	6025	
Chainsaws	Little lighting Deluxe / Super Deluxe / Comango					W22MP-US	6049	0,7	W22MPR-U	6043	
Chainsaws	Pony					T20M-U	6039	0,7			
Chainsaws	Super AL-42 / Auto./ Super Comango / Auto:					W22M-US	6048	0,6			
Chainsaws	Super AV / Super Lighting					W22MP-US	6049	0,7	W22MPR-U	6043	
Chainsaws	Super L-100							0,6	W16PR-U	3037	
Chainsaws	Super: L-30 / L-50 / L-60 / L-70 / L-90					W20M-US	6036	0,6	W20MR-U	6025	
MAG											
Power Equipment	1026 SRL	(71 > 87)	4-Stroke	258 cc	4.4	6.0	W14F-U	4012	0,5	W14FR-U	4017
Power Equipment	1029 SRL		4-Stroke	296 cc	5.1	7.0	W14F-U	4012	0,5	W14FR-U	4017
Power Equipment	1040 SRL		4-Stroke	391 cc	6.6	9.0	W14F-U	4012	0,5	W14FR-U	4017
Power Equipment	1045 SRL		4-Stroke	450 cc	7.4	10.0	W14F-U	4012	0,5	W14FR-U	4017
Power Equipment	1017 SRL	(71 > 84)	4-Stroke	258 cc	2.9	4.0	W14F-U	4012	0,5	W14FR-U	4017
Power Equipment	2055 SRL	(53 > 84)	4-Stroke	258 cc	8.8	12.0	W22FS-U	4025	0,5	W22FSR	4024
MAGNA											
Log Splitters			B & S Engine				W9LM-US	6057	0,6	W9LMR-US	6071
Log Splitters			Tecumseh Engine				W14-US	6033	0,6		
MAINLINE											
Log Splitters	Acme						W16FS-U	3034	0,8	W16FSR	3033
Log Splitters	ML 35 Cultivator						W22M-US	6048	0,6		
Mowers	Acme						W16FS-U	3034	0,8	W16FSR	3033
Mowers			B & S Engine				W9LM-US	6057	0,8	W9LMR-US	6071
MANG											
Mowers			B & S Engine				W9LM-US	6057	0,8	W9LMR-US	6071
Mowers	AENL		Wisconsin Engine				L14-U	5000	0,8	L14R-U	5049
Mowers	EY 25W / EY 44W		Robin				W16FS-U	3034	0,8	W16FSR	3033
Mowers	K 161		Kohler Engine				W9LM-US	6057	0,8	W9LMR-US	6071
Mowers	K 241		Kohler Engine				W14L	6013	0,8		
MASSEY - FERGUSON											
Chainsaws	190A / 250						T22M-U	6041	0,7		
Chainsaws	370 / 370A / 370AR						W20M-US	6036	0,7	W20MR-U	6025
Garden Tractors	MF85						W20M-US	6036	0,6	W20MR-U	6025
Garden Tractors	MF1200 / MF1450 / MF1650						W16LS	3035	0,8		
Mowers	All Models						W14-US	6033	0,8		
Tractors	Model 35 (T.V.O.)						W14E	6009	0,7		
Tractors	TE - 20 (Continental)						L14-U	5000	0,7	L14R-U	5049
Tractors	TE - A20 / C20 / K20 / P 20						W16FS-U	3034	0,7	W16FSR	3033
Tractors	TE - D20 / E20 / H20 / J20 / L20 / M20 / R20						W14E	6009	0,7		
MASTER CUT											
Mowers			B & S Engine				W9LM-US	6057	0,7	W9LMR-US	6071
MASTERCRAFT											
Mowers			Tecumseh Engine				W14LM-US	6035	0,8	W14LMR-US	6072
MATELEST											
Chainsaws	MAT - 101 - 10						W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	MAT - 101 - 12						W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	MAT - 106 / MAT - EX						W20M-US	6036	0,7	W20MR-U	6025
MAVERICK											
Mowers	All Models						W20M-US	6036	0,8	W20MR-U	6025
MAXIM											
Log Splitters			B & S Engine				W9LM-US	6057	0,8	W9LMR-US	6071

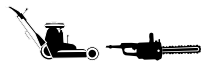








				KW	HP	Standard			Alternative	
MAXIM <i>continued</i>			B & S Engine							
Mowers						W9LM-US	6057	0,8	W9LMR-US	6071
McCULLOCH										
Brushcutters	BP 26AV / BP 30AV / BP 38AV					T20M-U	6039	0,6		
Brushcutters	Mac 17 / Mac 21 / Mac 25 / Mac 26					T20M-U	6039	0,6		
Brushcutters	Mac 22 / Mac 23					W22M-US	6048	0,6		
Brushcutters	Mac 30 / Mac 30AV / Mac 38AV					T20M-U	6039	0,6		
Brushcutters	Mac 32 / Mac 37					W16FS-U	3034	0,5	W16FSR	3033
Brushcutters	Mac 52					W20S-U	3075	0,5	W20SR-U	3076
Brushcutters	Mac 60SX / Mac 80A / Mac80SX / Mac 90 / Mac 95					T20M-U	6039	0,6		
Brushcutters	Super MAC 28 / 30AV / 38AV / Pro Mac 38AV					T20M-U	6039	0,6		
Brushcutters	Trim Mac 24 / Trim Mac 26					T20M-U	6039	0,6		
Chainsaws	1.9 / 2.3					W22MP-US	6049	0,7	W22MPR-U	6043
Chainsaws	1-40 / 1-50 Series / 1-60 Series					W14-US	6033	0,6		
Chainsaws	1-70 / 1-71 / 1-72					W14-US	6033	0,6		
Chainsaws	5 - 10A / 5 - 10G / LG - 6 / 6 - 10					T22M-U	6041	0,7		
Chainsaws	6 - 10A / S6 - 10A / 7 - 10A					T22M-U	6041	0,7		
Chainsaws	10 - 10A / PM55					T20M-U	6039	0,6		
Chainsaws	10 - 10L / S10 - 10 / S10 - 10E / S10 - 10L					T20M-U	6039	0,6		
Chainsaws	250 / S250 / 550 / S550					W14-US	6033	0,7		
Chainsaws	640 / 650 / 660					W14-US	6033	0,6		
Chainsaws	795L					T20M-U	6039	0,6		
Chainsaws	895 / PM - 6A / Mini - Mac - 6 / PM570					T20M-U	6039	0,6		
Chainsaws	CP - 125 / CP - 125S					T20M-U	6039	0,6		
Chainsaws	CP - 70 / CP - 70L					T22M-U	6041	0,7		
Chainsaws	Daytona 1000					T20M-U	6039	0,7		
Chainsaws	Daytona 3000					W22MP-US	6049	0,7	W22MPR-U	6043
Chainsaws	G - 70 / SP - 80 / PM - 60 / SP - 81					T22M-U	6041	0,7		
Chainsaws	Mac - 10 Series : 4 - 10 / 5 - 10					T22M-U	6041	0,7		
Chainsaws	Mac - 110 / 120 / 130 / 140 / 160S					T20M-U	6039	0,7		
Chainsaws	Mighty Might					W22M-US	6048	0,7		
Chainsaws	Mini Mac - 6A / CP - 55					T20M-U	6039	0,6		
Chainsaws	Mini Mac: 25 / 30 / 35					T20M-U	6039	0,6		
Chainsaws	Mini Pro: 25 / 30 / 35					T20M-U	6039	0,6		
Chainsaws	Mustang					T20M-U	6039	0,7		
Chainsaws	PM - 6 / P - 10 - 10A / PM - 105					T20M-U	6039	0,6		
Chainsaws	PM - 55 / 110 / 120 / 130 / 140					T20M-U	6039	0,6		
Chainsaws	PM - 310 / 320 / 330 / 340 / 555					T20M-U	6039	0,6		
Chainsaws	PM - 360 / 364 / 374 / 394					T20M-U	6039	0,6		
Chainsaws	PM - 470 / 474 / 480 / 484 / 486 / 494					T20M-U	6039	0,6		
Chainsaws	PM - 610-40 / PM610-50					T20M-U	6039	0,6		
Chainsaws	PM - 650-40 / PM - 650-50 / PM800 / PM850 / DE80					T20M-U	6039	0,6		
Chainsaws	PM - 730 / 735 / 740					T20M-U	6039	0,6		
Chainsaws	PM - 3500 / 4000 / 5000					T20M-U	6039	0,6		
Chainsaws	Power - Mac 310 / 320					T20M-U	6039	0,6		
Chainsaws	Power - Mac 330 / 340 / 380 / 390					T20M-U	6039	0,6		
Chainsaws	Pro - Mac 10 / 36 / 40 / 46 / 105					T20M-U	6039	0,6		
Chainsaws	Pro - Mac 51 / 55					T20MP-U	6040	0,6		
Chainsaws	Pro - Mac 510 / 555 / 570 / 610 / 645 / 650 / 655 / 690					T20M-U	6039	0,6		
Chainsaws	Pro - Mac 60 / 510 / 570 / 605 / 850					T22M-U	6041	0,7		
Chainsaws	Pro - Mac 610 - 20					T20M-U	6039	0,6		
Chainsaws	Pro - Mac 700 / 800 / 1000 / 1010					T20M-U	6039	0,6		
Chainsaws	S10 - 10LA : 795 / 795L / 797 / S797					T20M-U	6039	0,6		
Chainsaws	S2 - 10A / SLG - 2 / 3 - 10 / 3 - 10E / 10 - 10					T20M-U	6039	0,6		
Chainsaws	S250 / S550					W14-US	6033	0,6		
Chainsaws	SP40 / SP70 / SP80 / SP81 / SP105 / SP125C					T22M-U	6041	0,6		
Chainsaws	SP60					T20M-U	6039	0,6		
Chainsaws	Titan 7 / 35 / 57 / 70					T20M-U	6039	0,6		
Chainsaws	Titan 40 / 50					T20M-U	6039	0,6		
Chainsaws	Wildcat / Eagle 50 / Mac 160S					T20M-U	6039	0,7		
Chainsaws	Wildcat 18					T20M-U	6039	0,7		
Mowers						W9LM-US	6057	0,8	W9LMR-US	6071








				KW	HP	Standard			Alternative		
											
McCULLOCH continued											
Power Equipment	MC 2106 / MC 2108 / MC 2109 / MC 2110					T20M-U	6039	0,8			
Power Equipment	21 cc Engine		21 cc	0,9	1,2	T20M-U	6039	0,6			
Power Equipment	30 cc Engine		30 cc	1,1	1,5	T20M-U	6039	0,6			
Power Equipment	38 cc Engine		38 cc	1,4	1,9	T20M-U	6039	0,6			
Power Equipment	28 cc Engine		28 cc	1,0	1,4	T20M-U	6039	0,6			
Power Equipment	32 cc Engine		32 cc	1,1	1,5	T20M-U	6039	0,6			
Power Equipment	30 ccm Engine		30 cc	1,2	1,6	T20M-U	6039	0,6			
Power Equipment	38 ccm Engine		38 cc	1,7	2,3	T20M-U	6039	0,6			
Power Equipment	50 ccm Engine		50 cc	2,5	3,5	T20M-U	6039	0,6			
Power Equipment	51 ccm Engine		51 cc	2,4	3,2	T20M-U	6039	0,6			
Power Equipment	55 ccm Engine		55 cc	2,7	3,7	T20M-U	6039	0,6			
Power Equipment	60 ccm Engine		60 cc	3,0	4,0	T20M-U	6039	0,6			
Power Equipment	70 ccm Engine		70 cc	3,8	5,1	T20M-U	6039	0,6			
Power Equipment	30 ccm Engine		30 cc	1,2	1,6	T20M-U	6039	0,6			
Power Equipment	30 ccm Engine		30 cc	1,2	1,6	T20M-U	6039	0,6			
Power Equipment	30 ccm Engine		30 cc	1,2	1,6	T20M-U	6039	0,6			
McDONOUGH											
Garden Tractors						W20M-US	6036	0,8	W20MR-U	6025	
Mowers						W9LM-US	6057	0,8	W9LMR-US	6071	
McLANE											
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071	
Mowers	G - 35 / G 150		Honda Engine	2,9	4,0	W16FS-U	3034	0,8	W16FSR	3033	
Mowers	K 91		Kohler Engine			W14-US	6033	0,8			
MEADE											
Mowers	All Models					W9LM-US	6057	0,8	W9LMR-US	6071	
MICHAELS											
Mowers	K 161		Kohler Engine			W14-US	6033	0,8			
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071	
MIDDLESWORTH											
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071	
Mowers			Kohler Engine			W14L	6013	0,8			
MIDLAND											
Mowers	2-Stroke					W14M-US	6034	0,8	W14MR-U	6019	
Mowers	4-Stroke					W9LM-US	6057	0,8	W9LMR-US	6071	
Mowers		(Ø 18mm thread)				L14-U	5000	0,8	L14R-U	5049	
		(Ø 14mm thread)	2-Stroke			W14M-US	6034	0,7	W14MR-U	6019	
		(Ø 14mm thread)	4-Stroke			W14-US	6033	0,8			
MINARELLI											
Power Equipment	G1 / P4 / P4A					W22FS-U	4025	0,8	W22FSR	4024	
Power Equipment	P3A / P3N / P6 / P6-80					W22FS-U	4025	0,8	W22FSR	4024	
Power Equipment	P4R / P6R / P4CS / P6CS					W22ES-U	3093	0,8	W22ESR-U	3098	
Power Equipment	V1 / V1A / V2 / C2 / V1K					W16FS-U	3034	0,8	W16FSR	3033	
MITSUBISHI											
Generators	MGB1500 / MGB2500 / MGB3300							0,7	W16EPR-U	3021	
Generators	MGA1500 / MGA2500							0,7	W16EPR-U	3021	
Generators	MGC550							0,7	W14MR-U	6019	
Generators	MGC1000							0,7	W20FSR-U	6053	
Power Equipment	G 207L-001 / G 350L-001					W20FP-U	3068	0,7	W20FPR-U	3070	
Power Equipment	G 221			1,6	2,2	W20M-US	6036	0,7	W20MR-U	6025	
Power Equipment	G 271			2,0	2,7	W20M-US	6036	0,7	W20MR-U	6025	
Power Equipment	G 351			2,6	3,5	W20M-US	6036	0,7	W20MR-U	6025	
Power Equipment	G 400 / G 400PV			2,9	4,0	W20M-US	6036	0,7	W20MR-U	6025	
Power Equipment	G 551			3,7	5,0	W20M-US	6036	0,7	W20MR-U	6025	
Power Equipment	G 771			5,1	7,0	W20M-US	6036	0,7	W20MR-U	6025	
Power Equipment	G 991			6,6	9,0	W20M-US	6036	0,7	W20MR-U	6025	
Power Equipment	G 1050			7,7	10,5	W20M-US	6036	0,7	W20MR-U	6025	
Power Equipment	G 1200			8,8	12,0	W20M-US	6036	0,7	W20MR-U	6025	
Power Equipment	G 1500			11,0	15,0	W20M-US	6036	0,7	W20MR-U	6025	
Power Equipment	GM 90 / GM 91		2-Cyl. OHV	1,5 - 2,0	2,0 - 2,7	W16EP-U	3018	0,7	W16EPR-U	3021	
Power Equipment	GM 130 / GM 131		2-Cyl. OHV	2,0 - 2,9	2,7 - 4,0	W16EP-U	3018	0,7	W16EPR-U	3021	
Power Equipment	GM 150V		2-Cyl. OHV	3,3	4,5	W16EP-U	3018	0,7	W16EPR-U	3021	
Power Equipment	GM 180 / GM 181		2-Cyl. OHV	3,1 - 4,4	4,2 - 6,0	W16EP-U	3018	0,7	W16EPR-U	3021	
Power Equipment	GM 220 / GM 221		2-Cyl. OHV			W16EP-U	3018	0,7	W16EPR-U	3021	

				KW	HP	Standard			Alternative	
										
MITSUBISHI <i>continued</i>										
Power Equipment	GM 290 / GM 291		2-Cyl. OHV	4,2 - 5,9	5,7 - 8,0	W16EP-U	3018	0,7	W16EPR-U	3021
Power Equipment	GM 300 / GM 301		2-Cyl. OHV	5,2 - 7,4	7,0 - 10,0	W16EP-U	3018	0,7	W16EPR-U	3021
Pumps	MEL401/-501 / MEP252 / MPE25M/-400 / MP2500E					W20M-US	6036	0,7	W20MR-U	6025
Pumps	MEP401/-501 / MPE500 / MP4100E/-5000E					W20FP-U	3068	0,7	W20FPR-U	3070
Trimmers	TL 20 / TL 23 / TL 26 / TL 33 / TL 43 / TL 52					W20M-US	6036	0,7	W20MR-U	6025
Trimmers	T 50 / T 70 / T 80 / T 100			0,4 - 0,8	0,5 - 1,1	W20M-US	6036	0,7	W20MR-U	6025
Trimmers	T 110 / T 130 / T 140 / T 170			0,8 - 1,3	1,1 - 1,7	W20M-US	6036	0,7	W20MR-U	6025
Trimmers	T 200			1,5	2,0	W20M-US	6036	0,7	W20MR-U	6025
Trimmers	T 240			1,8	2,4	W20M-US	6036	0,7	W20MR-U	6025
Trimmers	T 280			2,1	2,8	W20M-US	6036	0,7	W20MR-U	6025
Trimmers	T 340			2,5	3,4	W20M-US	6036	0,7	W20MR-U	6025
Trimmers	T 350			2,6	3,5	W20M-US	6036	0,7	W20MR-U	6025
Trimmers	T 400PV			2,9	4,0	W22MP-US	6049	0,7	W22MPR-U	6043
Trimmers	T 430			3,2	4,3	W20M-US	6036	0,7	W20MR-U	6025
Trimmers	TM 18			0,5	0,7	W20M-US	6036	0,7	W20MR-U	6025
Trimmers	TM 21			0,7	1,0	W20M-US	6036	0,7	W20MR-U	6025
Trimmers	TM 24			1,0	1,3	W20M-US	6036	0,7	W20MR-U	6025
Trimmers	TM 33			1,3	1,7	W20M-US	6036	0,7	W20MR-U	6025
MITTS & MERRILL (Karl Kueimmerling)										
Chainsaws	M - 2	172 cu.in.	Ford Engine			W14L	6013	0,7		
Chainsaws	M - 3 / M - 4 / M - 6	240 cu.in.	Ford Engine					0,7	MA20R-U	5014
Chainsaws	M - 7 / M - 8 / M - 11 / M - 12	300 cu.in.	Ford Engine					0,7	MA20R-U	5014
Chainsaws	M - 9 / M - 13	330 cu.in.	Ford Engine					0,7	MA20R-U	5014
MONDIAL										
Chainsaws	640 / 645 / 655 Cayman					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	640AV / 650 / 657 / 657S / 665					W22MP-US	6049	0,5	W22MPR-U	6043
MONO										
Chainsaws	25 - 10 / 25 - 14					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	47 / 67					W14-US	6033	0,7		
Chainsaws	249 / SL149					W16P-U	3036	0,7	W16PR-U	3037
Chainsaws	SL146 / SL147 / SL245 / SL247					W20M-US	6036	0,7	W20MR-U	6025
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071
Mowers			Lauson Engine			W14-US	6033	0,8		
MONTGOMERY-WARD										
Mowers	All Models					W20M-US	6036	0,8	W20MR-U	6025
MORINI										
Power Equipment	M0 / M1 / M03					W20ES-U	3051	0,8	W20ESR-U	3057
Power Equipment	M04 / M101					W20ES-U	3051	0,8	W20ESR-U	3057
Power Equipment	S5 / 4M / 6M / FM6M					W16FS-U	3034	0,8	W16FSR	3033
MOTOR JIKOV										
Power Equipment	SB 130 / SB 140		2-Stroke, F&S Engine					0,5	W14PR-U	6021
Power Equipment	SB 152		2-Stroke, F&S Engine					0,5	W14PR-U	6021
Power Equipment	1453 / 1454VA PE		2-Stroke			W16FS-U	3034	0,6	W16FSR	3033
Power Equipment	9 / 11		4-Stroke OHV			W16FS-U	3034	0,6	W16FSR	3033
MOUNTFIELD										
Brushcutters	Multi - trim 16 / 18 / 23 / 24 / 33 / 40					W20M-US	6036	0,6	W20MR-U	6025
Brushcutters	Multi - trim 31					W22FS-U	4025	0,5	W22FSR	4024
Lawn Tractors	Triple M			5,9	8,0	W9LM-US	6057	0,7	W9LMR-US	6071
Lawn Tractors	Triple M			9,2	12,5			0,7	Q16PR-U	3137
Mowers	2-Stroke		Suzuki Engine			W20MP-U	6023	0,7		
Mowers	4-Stroke		Suzuki Engine			W20EP-U	3043	0,8	W20EPR-U	3047
Mowers			Aspera Engine			W14-US	6033	0,5		
Mowers			B & S Engine	2,2 - 3,0	3 - 4	W9LM-US	6057	0,5	W9LMR-US	6071
Mowers			B & S Engine	3,3	4,5			0,7	Q16PR-U	3137
Mowers			Tecumseh Engine			W14-US	6033	0,5		
Mowers			Vertex Engine			W22FS-U	4025	0,5	W22FSR	4024
MTD										
Log Splitters			B & S Engine			W9LM-US	6057	0,6	W9LMR-US	6071
Log Splitters			Tecumseh Engine			W14LM-US	6035	0,6	W14LMR-US	6072
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071








				KW	HP	Standard			Alternative		
									R 		
MTD continued											
Mowers			Tecumseh Engine			W14LM-US	6035	0,8	W14LMR-US	6072	
MURRAY											
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071	
Mowers			Tecumseh Engine			W14LM-US	6035	0,8	W14LMR-US	6072	
NAUDER											
Chainsaws	Model 255					W20M-US	6036	0,6	W20MR-U	6025	
Chainsaws	NAU-10 / NAU-12					W20M-US	6036	0,7	W20MR-U	6025	
NAUTAC											
Brushcutters	011F / 011R / 012R - RD / 026R / 026RF					W22MP-US	6049	0,5	W22MPR-U	6043	
Brushcutters	028 Turbo / 030 Turbo / 1100T					W22MP-US	6049	0,5	W22MPR-U	6043	
Brushcutters	Country DR02		Tecnamotor	2.6	3.5	W14LM-US	6035	0,7	W14LMR-US	6072	
Brushcutters	Country DR06		B & S Engine	3.7	5.0	W9LM-US	6057	0,7	W9LMR-US	6071	
Brushcutters	Country DR06S		F & S Engine	4.4	6.0	W16FS-U	3034	0,7	W16FSR	3033	
Chainsaws	170 / 232 / 236 / 246 / 252 / 262					W22MP-US	6049	0,5	W22MPR-U	6043	
Garden Tractors	1296E (I / C)		B & S Engine	8.8	12.0	W9LM-US	6057	0,7	W9LMR-US	6071	
Garden Tractors	Club 13 Hydro (I / C)		B & S Engine	8.8	12.0	W9LM-US	6057	0,7	W9LMR-US	6071	
Garden Tractors	Club 14 (OHV)		B & S Engine	10.3	14.0			0,7	Q16PR-U	3137	
Garden Tractors	Club 14 Hydro (I / C bi-cyl.)		B & S Engine	10.3	14.0	W14-US	6033	0,7			
Garden Tractors	Club 18 Hydro (I / C bi-cyl.)		B & S Engine	13.2	18.0	W14-US	6033	0,7			
Garden Tractors	Open 10		B & S Engine	7.4	10.0	W9LM-US	6057	0,7	W9LMR-US	6071	
Garden Tractors	Open 12		B & S Engine	8.8	12.0	W9LM-US	6057	0,7	W9LMR-US	6071	
Mowers	5345 P 37 (Prisma 37)		Tecnamotor			W14LM-US	6035	0,7	W14LMR-US	6072	
Mowers	Fainway 435BA (SB 140SL)		F & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071	
Mowers	Fainway 435FA / FAE (Prisma 37)		Tecnamotor			W14LM-US	6035	0,7	W14LMR-US	6072	
Mowers	Greenfee 375 / 375A (Sprint 375)		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071	
Mowers	Greenway 500BS / BAD (Quantum 50)		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071	
Mowers	Greenway 500KA (FC 150)		Kawasaki Engine			W20EP-U	3043	0,7	W20EPR-U	3047	
Mowers	Greenway 500S2A (SB 140SL)		F & S Engine					0,7	W16PR-U	3037	
Mowers	XT 37 (Prisma 37)		Tecnamotor			W14LM-US	6035	0,7	W14LMR-US	6072	
NISSAN											
Lift Trucks	NHF01 (A,M) / NHF02 (A,M)							0,8	W9EXR-U	6044	
Lift Trucks	NF01 / NF02 / NK02					W14E	6009	0,8			
Lift Trucks	H01 / H02 / NH01 / NH02	Low noise						0,8	W9EXR-U	6044	
Lift Trucks	H01 / H02 / NH01 / NH02					W14E	6009	0,8			
Lift Trucks	K01 / K02 / NK01					W14E	6009	0,8			
Lift Trucks	F03 / F05					W14E	6009	0,8			
Lift Trucks	H30 / J15 / P	(1980)				W14E	6009	0,8			
Lift Trucks	D11 / H20 / H30	(B model)						0,8	W16ESR-U	3110	
NOGMATIC											
Chainsaws	Model 255					W20M-US	6036	0,6	W20MR-U	6025	
Chainsaws	NOG 10 / NOG12					W20M-US	6036	0,6	W20MR-U	6025	
Chainsaws				2.9	4.0	W20M-US	6036	0,6	W20MR-U	6025	
Chainsaws				4.4	6.0	W20MP-U	6023	0,6			
O & R											
Power Equipment	13A / 13B					W14M-US	6034	0,8	W14MR-U	6019	
Power Equipment	13A / 13B Severe Service					W20M-US	6036	0,8	W20MR-U	6025	
Power Equipment	20A					W22M-US	6048	0,8			
Power Equipment	20A Light Service					W20M-US	6036	0,8	W20MR-U	6025	
O.M.C.											
Chainsaws	130Z / 140Z / 142Z					W20MP-U	6023	0,5			
Chainsaws	140AV / 140H					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	140S / 145 / 145AV / 145E / 146					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	155 Jolly / 155 Jolly AV / 156 Jolly / K1 / K2					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	157 / 158 / 165 / 166					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	All Others					W20M-US	6036	0,5	W20MR-U	6025	
OLEO - MAC (EMAK)											
Brushcutters	721 / 727 / 727S / 727T / 733 / 740					W22MP-US	6049	0,5	W22MPR-U	6043	
Brushcutters	733S / 433BP					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	233 / 234 / 234F / 240 / 244 / 244F / 246FDL / 250A					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	251 / 251B / 251 Super E1 / 252 / 252F / 254 / 254F					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	260 Auto. / 261 / 264 / 264F / 264FDLX / 264TTA					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	271 / 272 / 272F / 274TTA / 280 / 281					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	284 / 284F / 284TTA / 335 / 340 / 340F					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	350 / 350S / 355 / 355F / 460S / 460AS					W22MP-US	6049	0,7	W22MPR-U	6043	









				KW	HP	Standard			Alternative	
										
OLEO - MAC (EMAK) continued										
Chainsaws	480 / 480S / 480AS / 481 / 482 / 482MP					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	930 / 935 / 935DF / 940 / 942 / 945 / 945DF / 946					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	950 / 950F / 950FS / 951 / 999 / 999F					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	AM150 / AM180			1,3 - 2,6	1,8 - 3,5	W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	S30 / S50 / S80 / S100					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	SA18 / SA30 / SA30TL / SA45 / SA45TL					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	SC21 / SC23 / SC33 / SC55					W22MP-US	6049	0,5	W22MPR-U	6043
Power Equipment	MTL30 / MTL50 / MTL80 / MTL106			0,9 - 5	1,2 - 6,8	W22MP-US	6049	0,5	W22MPR-U	6043
ONAN										
Power Equipment	6.5 NHE / 4.0 BGE							0,6	T16EPR-U	5022
Power Equipment	AJ / BH / CK / J30 / JB / JC / J60 / J120 / MH / NB					W16LS	3035	0,7		
Power Equipment	B43G / B48G / N-52M							0,7	T16EPR-U	5022
Power Equipment	CCK Series	Natural Gas				W24S-U	4040	0,5		
Power Equipment	CCK Series	(Light Service = option)				W16LS	3035	0,7		
Power Equipment	CCK Series CCKB - MS / RCCK -MS					W16LS	3035	0,7		
Power Equipment	CW					L14-U	5000	0,7	L14R-U	5049
Power Equipment	IB					M14	5001	0,7		
Power Equipment	J60 / J120 / MH / NB					W16LS	3035	0,8		
Power Equipment	Microlite 3600							0,8	J14CR-U	3331
Power Equipment	N - 52M							0,8	T16EPR-U	5022
Power Equipment	NHA - MS / NHB - MS / NHC - MS (Early)					W20ES-U	3051	0,7	W20ESR-U	3057
Power Equipment	NHC - MS	79 >						0,6	T16EPR-U	5022
Power Equipment	NHC - MS	> 79				W20ES-U	3051	0,8	W20ESR-U	3057
Power Equipment	NHP	LPG gas				W20ES-U	3051	0,4	W20ESR-U	3057
Power Equipment	NHP					W20ES-U	3051	0,7	W20ESR-U	3057
Power Equipment	OTC Series					W20S-U	3075	0,6	W20SR-U	3076
Power Equipment	P 216 / P 218 / P 220 / P 224							0,6	T16EPR-U	5022
Power Equipment	RCCK - MS					W16LS	3035	0,8		
Power Equipment	T 260							0,6	T16EPR-U	5022
OPEM										
Chainsaws	130Z / 140Z / 142Z					W20M-US	6036	0,5	W20MR-U	6025
Chainsaws	140AV / 140H / 140S					W20MP-U	6023	0,5		
Chainsaws	145 / 145AV / 145E / 146					W20MP-U	6023	0,5		
Chainsaws	157 / 158 / 165 / 166					W20MP-U	6023	0,5		
Chainsaws	Jolly 155 / 155AV / 156 / K1 / K2					W20MP-U	6023	0,5		
ORLINE										
Chainsaws	Challenger Mark 11D / 11S					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	Mustang 13 / 129 / 149					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	Yard-Arm					W14M-US	6034	0,7	W14MR-U	6019
PANTHER										
Mowers	All Models					W9LM-US	6057	0,8	W9LMR-US	6071
PARAGON										
Log Splitters						W20M-US	6036	0,6	W20MR-U	6025
PARDI										
Mowers	High Wheel					W9LM-US	6057	0,8	W9LMR-US	6071
PARTNER										
Brushcutters	B180 / B260 / B265 / B305 / B322 / B325 / B440					W20M-US	6036	0,5	W20MR-U	6025
Brushcutters	B 250			24 cc	1 1.4			0,5	W20MR-U	6025
Brushcutters	B200 / B205 / B370 / B380 / B400 / B405					W22MP-US	6049	0,5	W22MPR-U	6043
Brushcutters	B 450 C / B 450 G							0,5	W22MPR-U	6043
Chainsaws	330 / 335 / 340 / 350 / 360 / 385					W20M-US	6036	0,5	W20MR-U	6025
Chainsaws	345 / 360 / 365 / 395 / 400 / 405 / 405 CCS					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	410 / 433 / 440 / 450 / 460 / 465 / 495					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	500 / 500 Plus / 540 / 545 / 550					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	5000 / 5500					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	605					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	650 / 660 / 660 CCS					W22MP-US	6049	0,7	W22MPR-U	6043
Chainsaws	1601 / 1602 / 1618					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	7000 Plus / 7700					W22MP-US	6049	0,7	W22MPR-U	6043
Chainsaws	A55 / F55 / S50 / S55 / S65					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	K - 12 / R - 12					W20FP-U	3068	0,7	W20FPR-U	3070

				KW	HP	Standard			Alternative			
												
PARTNER <i>continued</i>												
Chainsaws	Mini - P / Mini - P II / Mini - Pa					W22M-US	6048	0,7				
Chainsaws	Mini II / III / IV	(Taper seat)				T20M-U	6039	0,5				
Chainsaws	Mini II / III / IV	(Flat seat)				W22MP-US	6049	0,5	W22MPR-U	6043		
Chainsaws	P48 / P49 / P50 / P51 / P55 / P59 / P65					W22MP-US	6049	0,5	W22MPR-U	6043		
Chainsaws	P70 / P85 / P100 / P100S / P350					W22MP-US	6049	0,5	W22MPR-U	6043		
Chainsaws	P400 / P5000 Plus					W22MP-US	6049	0,5	W22MPR-U	6043		
Chainsaws	Partner Mini III / IV					T20M-U	6039	0,7				
Chainsaws	R11 / R12 / R14 / R16 / R17 / R18 / R19 / R22					W22MP-US	6049	0,5	W22MPR-U	6043		
Chainsaws	R22T / R40T / R117 / R421 / R517 / R523 / R440T					W22MP-US	6049	0,5	W22MPR-U	6043		
Chainsaws	R30 / K20 / K40					W20M-US	6036	0,5	W20MR-U	6025		
Chainsaws	R420T / R417T / R435 / R35 / R20					W22MP-US	6049	0,5	W22MPR-U	6043		
Chainsaws	R421T / R440T / R517 / R517T					W22M-US	6048	0,7				
Mowers	146 / 146C / 146E / 146CD / 146CDE		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071		
Mowers	148CDE		Tecumseh Engine			W14LM-US	6035	0,7	W14LMR-US	6072		
Mowers	148CS / 148CD / 148CDE / 150 / 150D		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071		
Mowers	153CD / 153CDE / 155CD / 155CDE / 155D		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071		
Mowers	246 / 250 / 348 / 350 / 355D / 455D / 550 / 555D		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071		
Mowers	348		Tecumseh Engine			W9LM-US	6057	0,7	W9LMR-US	6071		
Power Equipment	T 225 / T260 / T285			0,7 - 1,2	1,0 - 1,5			0,5	W20MR-U	6025		
Tractor / Mowers	6 - 65		Tecumseh Engine			W14-US	6033	0,7				
Tractor / Mowers	8 - 90E / 10 - 90E / 11 - 90E / 12-90E / 12-90EH		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071		
Tractor / Mowers	12-95E / 12-100E / 12.5-105E / 12.5-105EH		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071		
Tractor / Mowers	14-105E / 14-105EH / 16-115EH		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071		
PEERLESS												
Chainsaws	D25					W20M-US	6036	0,7	W20MR-U	6025		
Chainsaws	D55 / D65					W14-US	6033	0,7				
Chainsaws	E10					W22M-US	6048	0,6				
Chainsaws	E75 / E95					W20M-US	6036	0,7	W20MR-U	6025		
PIONEER												
Chainsaws	450 / 550 / 600 / 610 / 620 / 650 / 700 / 750 / 800					W14-US	6033	0,7				
Chainsaws	700G / 850					W20S-U	3075	0,7	W20SR-U	3076		
Chainsaws	970 / 1072 / 1073 / 2071 / 2073					W22M-US	6048	0,6				
Chainsaws	1074 / 1074E / 1074UB / 1150 / 1160 / 1200 / 1200A					W20M-US	6036	0,6	W20MR-U	6025		
Chainsaws	1410 / 1410A / 1420 / 1450					W20M-US	6036	0,6	W20MR-U	6025		
Chainsaws	1410 / 1410A / 1420 / 1450	(Cold Fouling = option)				W14M-US	6034	0,6	W14MR-U	6019		
Chainsaws	1520 / 1560 / 1750 / 1770 / 1771 / 1850					W22M-US	6048	0,6				
Chainsaws	2200 / 2270 / 2400 / 2460 / 3071 / 3200 / 3270 / 3270S					W20M-US	6036	0,6	W20MR-U	6025		
Chainsaws	F / G / M					W9-U	6004	0,6				
Chainsaws	Farmlite					W22MP-US	6049	0,7	W22MPR-U	6043		
Chainsaws	Farmsaw / II					W20M-US	6036	0,7	W20MR-U	6025		
Chainsaws	For Sub - Zero 2400 / 2460					W20M-US	6036	0,7	W20MR-U	6025		
Chainsaws	HA / HB / One Man / Twin Super / Super Twin					W20S-U	3075	0,6	W20SR-U	3076		
Chainsaws	HC / RA / NU - 17 / 400 / 410 / 450 / 550					W14-US	6033	0,6				
Chainsaws	L					L14-U	5000	0,7	L14R-U	5049		
Chainsaws	P10 / P20 / P25 / P26S / P40 / P50 / P51 / P51S					W22M-US	6048	0,6				
Chainsaws	P40	(Cold Fouling = option)				W20M-US	6036	0,6	W20MR-U	6025		
Chainsaws	P11 / P38 / P39 / P41					W22MP-US	6049	0,7	W22MPR-U	6043		
Chainsaws	P21 / P21S / 1074 / 1100 / 1110 / 1120 / 1130					W20M-US	6036	0,6	W20MR-U	6025		
Chainsaws	P26 / P26E / P28 / P28E / P28B / P28S / P28SB					W20M-US	6036	0,7	W20MR-U	6025		
Chainsaws	P30 / P30S / P55 / P55S					W22M-US	6048	0,7				
Chainsaws	P35 / P35S / P41 / P41S					W20M-US	6036	0,7	W20MR-U	6025		
Chainsaws	P42W / P52W					W22MP-US	6049	0,7	W22MPR-U	6043		

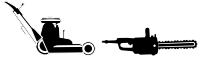







				KW	HP	Standard			Alternative	
										
PIONEER <i>continued</i>										
Chainsaws	P50 / P51 / P51S / P55 / P55S					W22M-US	6048	0,7		
Chainsaws	P60 / P61 / P61S / P62 / P62W					W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	Super / Super Twin					W20S-U	3075	0,7	W20SR-U	3076
POULAN										
Chainsaws	100 / 245A / 306 / 306A / 306SA					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	1800 / 2000 / 2300					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	20 / 20D / 25 / 25DA / S25AV / S25DA / 76 / 245A					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	71A / 72 / S72 / 76 / 92					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	205 / 225 / 235					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	325					T20M-U	6039	0,7		
Chainsaws	335					W22M-US	6048	0,7		
Chainsaws	355 / 395 / 405 / 415					W22MP-US	6049	0,7	W22MPR-U	6043
Chainsaws	375					W20MP-U	6023	0,7		
Chainsaws	455 / 475 / 525 / 655					W22MP-US	6049	0,7	W22MPR-U	6043
Chainsaws	3400 / 3700	80 >				W20MP-U	6023	0,6		
Chainsaws	4200 / 4400 / 4900 / 5200 / 5400	80 >				W22M-US	6048	0,6		
Chainsaws	4200 / 5200	> 80				W20M-US	6036	0,6	W20MR-U	6025
Chainsaws	4200CVA / 6000CVA					W22MP-US	6049	0,7	W22MPR-U	6043
Chainsaws	5200CVA					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	5500 / 6000					W22M-US	6048	0,7		
Chainsaws	6000					W14-US	6033	0,6		
Chainsaws	6900 / 7700 / 8500					W22M-US	6048	0,7		
Chainsaws	B520					W14M-US	6034	0,7	W14MR-U	6019
Chainsaws	M25 / 25DA / 25CVA / 306A / 245A / 361					W20M-US	6036	0,6	W20MR-U	6025
Chainsaws	Micro 25SN					W20M-US	6036	0,6	W20MR-U	6025
Chainsaws	Micro Super 25 / 25 Deluxe					W20M-US	6036	0,6	W20MR-U	6025
Chainsaws	S25 / 285 / 305					W22MP-US	6049	0,7	W22MPR-U	6043
Chainsaws	S33 / 53A / 54					W14-US	6033	0,7		
Chainsaws	S68 / Super XXV / Micro MZ5					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	S6000					W22MP-US	6049	0,7	W22MPR-U	6043
POULAN PRO										
Log Splitters	15-AR					W20M-US	6036	0,7	W20MR-U	6025
Log Splitters	19-7 / 26-10 / 26-TM					W20M-US	6036	0,7	W20MR-U	6025
Log Splitters	19-24-8AR / P-26-TM					W20M-US	6036	0,7	W20MR-U	6025
POWER KING										
	K301 / K321 / K341 / K361					W14L	6013	0,7		
	M14		Kohler Engine	10.3	14.0			0,7	T14PR-U	5020
	M18		Kohler Engine	13.2	18.0			0,7	T14PR-U	5020
	M20		Kohler Engine	14.7	20.0			0,7	T14PR-U	5020
POWER PRODUCTS										
Power Equipment	AH36 Type 70					W20M-US	6036	0,7	W20MR-U	6025
Power Equipment	AH44 / AH48 / AH49					W20M-US	6036	0,7	W20MR-U	6025
Power Equipment	AH47 / AH52 / AH58 / AH81 / AV51					W14LM-US	6035	0,7	W14LMR-US	6072
PRO										
Chainsaws	10 / 20 / 30					W20S-U	3075	0,7	W20SR-U	3076
Chainsaws	40 / 50					W14-US	6033	0,7		
QUICK-SPLIT										
Log Splitters			B & S Engine			W9LM-US	6057	0,6	W9LMR-US	6071
Log Splitters			Tecumseh Engine			W14-US	6033	0,6		
RANSOMES										
Mowers	1.1 L		Ford Engine			W16EP-U11	3199	1,1	W16EPR-U11	3201
Mowers	K 181		Kohler Engine			W14-US	6033	0,8		
Mowers	K 301		Kohler Engine			W14L	6013	0,8		
Mowers	KT 21		Kohler Engine					0,8	T16PR-U	5025
Mowers	Matador / Mastiff / Multimower / Pedestrian / Flail					W16FS-U	3034	0,5	W16FSR	3033
Mowers	N 52M		Onan Engine					0,8	T16EPR-U	5022
Mowers			B & S Engine	11.8	16.0	W14-US	6033	0,8		
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071
Mowers			Kawasaki Engine			W20M-US	6036	0,8	W20MR-U	6025
RED MAX										
Brushcutters	BC340DL / BC430DWM / BC440DWM					W20MP-U	6023	0,6		
Brushcutters	BC220 / BC260DL					W22MP-US	6049	0,6	W22MPR-U	6043
Brushcutters	BT17 / BT171 / BT220 / BT221					W22MP-US	6049	0,6	W22MPR-U	6043
Brushcutters	EB430 / EBA430 / EB440 / EBA440					W20S-U	3075	0,6	W20SR-U	3076
Brushcutters	HB260					W20MP-U	6023	0,6		
Brushcutters	HT230 / CHT230 / EDG230					W22M-US	6048	0,6		



				KW	HP	Standard			Alternative		
									R 		
RED MAX <i>continued</i>											
Brushcutters	SGC220DL / RE220					W20M-US	6036	0,6	W20MR-U	6025	
Chainsaws	G300TS / G300AVS / G45AVS					W20MP-U	6023	0,7			
Chainsaws	G400AVS / G561AVS / G621AVS					W22MP-US	6049	0,6	W22MPR-U	6043	
Chainsaws	G450AVS					W20M-US	6036	0,7	W20MR-U	6025	
REDLINE											
Chainsaws	740PC / 840PC					W22MP-US	6049	0,7	W22MPR-U	6043	
REMINGTON											
Chainsaws	100 / 200 / 300 / 400 / 500 / 600					W22MP-US	6049	0,6	W22MPR-U	6043	
Chainsaws	812 / 814 / 816 / 816AV / 840AV / 850AV / 860AV					W22MP-US	6049	0,7	W22MPR-U	6043	
Chainsaws	Jobmaster / Yardmaster					W22MP-US	6049	0,7	W22MPR-U	6043	
Chainsaws	Mighty-Mite 100 / 200 / 300 / 400 / 500 / 600					W22MP-US	6049	0,7	W22MPR-U	6043	
Chainsaws	Mighty-Mite Bantam / Weekender / Auto / Pow-R-Cut					W22M-US	6048	0,6			
Chainsaws	Mighty-Mite Electric /-Deluxe / -Super Deluxe					W22M-US	6048	0,7			
Chainsaws	Outdoorsman / Sportsman / Rancher / Woodman					W22M-US	6048	0,6			
Chainsaws	Outdoorsman II / Sportsman II / Logger					W22MP-US	6049	0,6	W22MPR-U	6043	
Chainsaws	PL-4 / PL-5 / PL-5A / PL-6 / PL-6A					W22M-US	6048	0,7			
Chainsaws	PL-7 / PL-7A / PL-55 / PL-55A					W22M-US	6048	0,7			
Chainsaws	SL-4 / SL-4A / SL-7 / SL-7A / SL9					W22M-US	6048	0,7			
Chainsaws	SL-10 / SL-10A / SL-11 / SL-11A					W22M-US	6048	0,7			
Chainsaws	SL-14 / SL-14A / SL-16 / SL-16A					W22M-US	6048	0,7			
Chainsaws	Super 754					W20S-U	3075	0,7	W20SR-U	3076	
Chainsaws	Woodman / Logger					W22M-US	6048	0,6			
ROBUSH											
Log Splitters						W20M-US	6036	0,6	W20MR-U	6025	
ROCKET											
Mowers	All Models					W9LM-US	6057	0,8	W9LMR-US	6071	
ROPER											
Chainsaws	C110 / C121 / C11047 / C12147					T22M-U	6041	0,7			
Chainsaws	C332 / C343 / C354					W22M-US	6048	0,6			
Chainsaws	C611 / C625 / C636 / C6117 / C6267 / C6367					T22M-U	6041	0,6			
Chainsaws	C3327 / C3327AR / C3437 / C3437AR					W22M-US	6048	0,6			
Chainsaws	C6257 / C6257AR / C6367AR					T22M-U	6041	0,6			
Chainsaws	C33237 / C34337 / C35437					W22M-US	6048	0,7			
Chainsaws	Pro Arm 412 / 414 / 415					T22M-U	6041	0,6			
Chainsaws	Pro Arm 615 / 617					W22M-US	6048	0,6			
Log Splitters						W20M-US	6036	0,6	W20MR-U	6025	
Mowers	All Models					W20M-US	6036	0,8	W20MR-U	6025	
ROTAX > BOMBARDIER-ROTAX											
ROTO-HOE											
Log Splitters			Tecumseh Engine			W14LM-US	6035	0,6	W14LMR-US	6072	
RYOBI											
Engines	2-Stroke		2-Stroke			T20MP-U	6040	0,5			
Chainsaws	GTS 28 / 32 / 38 / 56 / 62					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	RGS 3214 / 3214A / 3816 / 4518 / 5418					W22MP-US	6049	0,5	W22MPR-U	6043	
SABRE											
Brushcutters	B25 / S25 / S25C					T20MP-U	6040	0,6			
SACHS > FICHTEL & SACHS											
SCAG											
Mowers			B & S Engine	8,0 - 9,0	11 - 12	W9LM-US	6057	0,8	W9LMR-US	6071	
Mowers			B & S Engine	13.2	18.0	W14-US	6033	0,8			
Mowers			Kawasaki Engine	9.2	12.5	W20M-US	6036	0,7	W20MR-U	6025	
Mowers	M18		Kohler Engine	13.2	18.0			0,7	T14PR-U	5020	
Mowers			Kohler Engine	14.7	20.0			0,8	T16PR-U	5025	
SEARS											
Brushcutters	271. 281514					W20M-US	6036	0,7	W20MR-U	6025	
Brushcutters	610. 281514 / 611. 281514					W20M-US	6036	0,7	W20MR-U	6025	
Chainsaws	1.9PS / 2.0 / 2.1A / 3.6					W20M-US	6036	0,7	W20MR-U	6025	
Chainsaws	3.5 - 20 / 4.5 - 23 / 2.5					T22M-U	6041	0,7			
Chainsaws	3.7 / 3.7A / 3.7PS					W22M-US	6048	0,7			
Chainsaws	271 - 1.8 / 271 - 2.7A / VL					W20M-US	6036	0,7	W20MR-U	6025	
Chainsaws	271 - 4.3A / VL					W20M-US	6036	0,7	W20MR-U	6025	

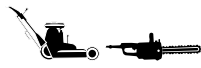







				KW	HP	Standard			Alternative	
										
SEARS continued										
Chainsaws	3400 / 3401 / 3402 / 3408 / 3411 / 3412 / 3415 / 3416 / 3418					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	3425 / 3455 / 3460 / 3461 / 3465 / 3466 / 3476 / 3481					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	35201 / 35202 / 35203 / 35205 / 35206 / 35207 / 35209					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	35211 / 35232 / 35238 / 35251 / 35255 / 35256 / 35263					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	35266 / 35267 / 35371 / 35363 / 35366 / 35367 / 35369					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	35269 / 35365 / 35505 / 3418					T20M-U	6039	0,7		
Chainsaws	35372 / 35373 / 35375 / 35376					W22M-US	6048	0,7		
Chainsaws	35481 / 35483 / 35484 / 35487 / 35608 / 35609 / 35885					W20MP-U	6023	0,7		
Chainsaws	35505 / 35506 / 30512 / 35514 / 35515 / 35516					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	35607 / 35628 / 35633 / 34718					W22M-US	6048	0,7		
Chainsaws	35881 / 35889 / 358850 / 59820 / 59918					W20MP-U	6023	0,7		
Chainsaws	35883 / 35886 / 35887 / 35889 / 35904					W22M-US	6048	0,7		
Chainsaws	59741 / 59886 / 59716 / 59816					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	340571 / 34094 / 35082 / 35091 / 35093 / 35094 / 35096					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	357120 / 357160 / 358860					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	358810 / 358840					W22M-US	6048	0,7		
Chainsaws	Barracuda					W22M-US	6048	0,7		
Chainsaws	Beaver 1.9					T22M-U	6041	0,7		
Chainsaws	D44 / D49					W14-US	6033	0,7		
Log Splitters		B & S Engine				W9LM-US	6057	0,6	W9LMR-US	6071
Mowers		B & S Engine	2,2 - 2,6	3 - 3,5		W9LM-US	6057	0,8	W9LMR-US	6071
Mowers		Tecumseh Engine	2,5 - 3,7	3,5 - 5		W9LM-US	6057	0,8	W9LMR-US	6071
Mowers	OHV	Tecumseh Engine	2,9 - 3,7	4,5 - 5		W22ES-U	3093	0,8	W22ESR-U	3098
SHINDAIWA										
Brushcutters	B40 / B45 / BP35 / C20 / C25 / C35					W20M-US	6036	0,7	W20MR-U	6025
Brushcutters	F18 / F20 / F21 / T18 / T20 / T25					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	300 / 345 / 350 / 355 / 415 / 416 / 420 / 450					W20MP-U	6023	0,7		
Chainsaws	360 / 488					W22MP-US	6049	0,7	W22MPR-U	6043
Chainsaws	451 / 460 / 500 / 510 / 575 / 580 / 680 / 695					W20MP-U	6023	0,7		
SIMPSON										
Log Splitters	4K					W20M-US	6036	0,6	W20MR-U	6025
SKILL										
Chainsaws	933 / 944 / 946 / 647					T20M-U	6039	0,6		
Chainsaws	1610 / 1611 / 1612 / 1613 / 1614 / 1614C / 1616 / 1616C					T20M-U	6039	0,6		
Chainsaws	1620 / 1622 / 1624					W20M-US	6036	0,6	W20MR-U	6025
Chainsaws	1629 / 1630 / 1631 / 1644 / 1645 / 1660 / 1661 / 1690					W20S-U	3075	0,6	W20SR-U	3076
Chainsaws	1632 / 1632C / 1646 / 1646C / 1647C					W22M-US	6048	0,7		
Chainsaws	1634 / 1636					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	1641					W20MP-U	6023	0,7		
Chainsaws	Partner Mini III / IV					T20M-U	6039	0,7		
SMITHCO										
Mowers		B & S Engine				W9LM-US	6057	0,8	W9LMR-US	6071
Mowers	K 181	Kohler Engine				W14-US	6033	0,8		
Mowers		Tecumseh Engine				W14-US	6033	0,8		
SOLO										
Brushcutters	664					W22MP-US	6049	0,6	W22MPR-U	6043
Chainsaws	70 / 508 / 509 / 510 / 515 / 519 / 527 / 533					W16FS-U	3034	0,6	W16FSR	3033
Chainsaws	535					W22M-US	6048	0,6		
Chainsaws	544 / 545 / 604 / 626					W16FS-U	3034	0,6	W16FSR	3033
Chainsaws	600 B / 600 Mini					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	603 / 611							0,6	W22MPR-U	6043
Chainsaws	605AV / 606AV / 610AV					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	606VA / 610VA / 611VA					W22MP-US	6049	0,5	W22MPR-U	6043

				KW	HP	Standard			Alternative		
											
SOLO continued											
Chainsaws	615AV / 616AV / 620AV					W22MP-US	6049	0,6	W22MPR-U	6043	
Chainsaws	615VA / 616VA / 620VA					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	635					W20M-US	6036	0,6	W20MR-U	6025	
Chainsaws	630 / 632 / Twin 100					W22M-US	6048	0,6			
Chainsaws	631 / 635VA / 638					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	634 / 639 / 640 / 641 / 642							0,6	W22MPR-U	6043	
Chainsaws	644 / 644 SP / 644VA / 645		44 cc					0,6	W22MPR-U	6043	
Chainsaws	647 / 651 / 654							0,6	W22MPR-U	6043	
Chainsaws	650VA / 655VA / 660VA					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	650AV / 655AV / 660AV					W22MP-US	6049	0,6	W22MPR-U	6043	
Chainsaws	662 / 667 / 670 / 680							0,6	W22MPR-U	6043	
Chainsaws	G31 / G32 / G38					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	T30 / T40 / T45					W22MP-US	6049	0,5	W22MPR-U	6043	
Mowers	102 / 103 / 106 / 107 / 110 / 111 / 114					W22M-US	6048	0,6			
Mowers	101 / 120 / 124 / 126 / 128 / 134 / 140					W22MP-US	6049	0,5	W22MPR-U	6043	
Mowers	520 / Profi 549 / 522 / 543					W16FS-U	3034	0,6	W16FSR	3033	
Mowers	522 Sickle Bar					W16FS-U	3034	0,6	W16FSR	3033	
Mowers	543L / 577 / 583					W16FS-U	3034	0,6	W16FSR	3033	
Mowers	549 / 549 Profi		125 cc			W20FS-U	3073	0,5	W20FSR-U	6053	
Mowers	554 / 554L (Aspera Cav 30)					W20M-US	6036	0,6	W20MR-U	6025	
Mowers	563 / 563L		70 cc			W16FS-U	3034	0,6	W16FSR	3033	
Mowers	580 / Piano 581					W16FS-U	3034	0,6	W16FSR	3033	
Mowers	All Others					W22FS-U	4025	0,6	W22FSR	4024	
Power Equipment	127 H	4-Stroke	22 cc	0.7	1.0			0,6	U16FSR-UB	6050	
Power Equipment	130 H	4-Stroke	31 cc	0.8	1.1			0,6	U16FSR-UB	6050	
SPARTAN											
Brushcutters	PC22 / TR22					W22M-US	6048	0,6			
Brushcutters	PC27 / PC35					W20S-U	3075	0,6	W20SR-U	3076	
Brushcutters	PCE24					W20M-US	6036	0,6	W20MR-U	6025	
Chainsaws	34 / 34AV / 34AV12					W22M-US	6048	0,7			
Chainsaws	Standard / Deluxe					W22M-US	6048	0,7			
SPEECO											
Log Splitters	All Models					W9LM-US	6057	0,6	W9LMR-US	6071	
SPEEDEX											
Mowers		B & S Engine		11.8	16.0	W14-US	6033	0,8			
Mowers		Kohler Engine		14.7	20.0			0,8	T16PR-U	5025	
STAR BLACK & DECKER											
Chainsaws						T20M-U	6039	0,6			
STEINER											
Mowers		Onan Engine		14.7	20.0			0,8	T16EPR-U	5022	
Mowers		Kubota Engine		15.4	21.0	Q20P-U11	3136	1,1	Q20PR-U11	3008	
STIHL											
Blower	BG72 / BG75							0,5	W22MPR-U	6043	
Blower	BR106 / BR320 / BR320L / BR400							0,5	W22MPR-U	6043	
Blower / Sprayer	SR320 / SR400							0,5	W22MPR-U	6043	
Brushcutters / Trimmers	FR106 / FR108							0,5	W22MPR-U	6043	
Brushcutters / Trimmers	FS36 / FS40 / FS44							0,5	W20MR-U	6025	
Brushcutters / Trimmers	FS51 / FS52 / FS56 / FS62 / FS65 / FS66 / FS90 / FS96							0,5	W20MR-U	6025	
Brushcutters / Trimmers	FS60 / FS61 / FS66							0,5	W20MR-U	6025	
Brushcutters / Trimmers	FS74 / FS75 / FS80 / FS80R / FS81 / FS85 / FS86							0,5	W22MPR-U	6043	
Brushcutters / Trimmers	FS88 / FS106 / FS150 / FS151-015 / FS202-020							0,5	W22MPR-U	6043	
Brushcutters / Trimmers	FS160	30 cc	1.4	1.9				0,5	W22MPR-U	6043	
Brushcutters / Trimmers	FS180 / FS220	35 cc						0,5	W22MPR-U	6043	
Brushcutters / Trimmers	FS280	39 cc	1.9	2.6				0,5	W22MPR-U	6043	
Brushcutters / Trimmers	FS200AV / FS200AVE / FS202 / FS202AV							0,5	W22MPR-U	6043	
Brushcutters / Trimmers	FS353 / FS353AV							0,5	W20FPR-U	3070	
Brushcutters / Trimmers	FS360	52 cc	2.4	3.3				0,6	W22MPR-U	6043	
Brushcutters / Trimmers	FS410 / FS410AVE							0,5	W22MPR-U	6043	
Brushcutters / Trimmers	FS420	57 cc	2.8	3.8				0,5	W22MPR-U	6043	
Brushcutters	HL75 / HL75K	25 cc	0.9	1.2				0,5	W22MPR-U	6043	
Brushcutters	HT75	25 cc	0.9	1.2				0,5	W22MPR-U	6043	
Brushcutters	HS61	20 cc	0.7	0.9				0,5	W20MR-U	6025	
Brushcutters	HS72 / HS74							0,5	W22MPR-U	6043	
Brushcutters	HS75 / HS80 / HS85	25 cc	0.9	1.2				0,5	W22MPR-U	6043	

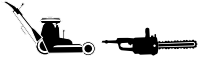





		NOTE	KW	HP	Standard			Alternative		
					W	Part No.	Gap	R	Part No.	Gap
STIHL continued										
Chainsaws	' S ' 10					W22M-US	6048	0,5		
Chainsaws	07 / 07S / 08 / 08S				Lighting	W20FP-U	3068	0,5	W20FPR-U	3070
Chainsaws	085 / 08S					W20FS-U	3073	0,5	W20FSR-U	6053
Chainsaws	009 / 009L / 010 / 010AV / 011 / 011AV							0,5	W22MPR-U	6043
Chainsaws	011AV Electronic							0,5	W22MPR-U	6043
Chainsaws	012 / 015 -AV /-AVE /-L /-LE /-R / 017							0,5	W22MPR-U	6043
Chainsaws	020 -AV /-AVH /-AVP /-AVEP /-S /-T / 021							0,5	W22MPR-U	6043
Chainsaws	023 / 023C / 023AV / 023L / 024 / 024AV / 024S / 024WB							0,5	W22MPR-U	6043
Chainsaws	025 / 025AVH / 026 / 026AVP / 026W							0,5	W22MPR-U	6043
Chainsaws	026C / 026CW				Cat			0,5	W22MPR-U	6043
Chainsaws	028 / 028AV / 028AVE / 028S / 028WB							0,5	W22MPR-U	6043
Chainsaws	029 / 030 / 030AV / 031 / 031AV / 031AVE							0,5	W22MPR-U	6043
Chainsaws	032 / 032AV / 032AVE / 034 / 034AV / 034AVEP							0,5	W22MPR-U	6043
Chainsaws	036 / 036AV / 036QS / 036W							0,5	W22MPR-U	6043
Chainsaws	038 / 038AV / 038AVE / 038S / 039							0,5	W22MPR-U	6043
Chainsaws	040 / 040G /040S	(Light Service = option)				W20M-US	6036	0,5	W20MR-U	6025
Chainsaws	040 / 040G / 040S	(Standard)				W22M-US	6048	0,5		
Chainsaws	041 / 041AV / 041AVE / 041FB							0,5	W22MPR-U	6043
Chainsaws	041AVE	Super						0,5	W22MPR-U	6043
Chainsaws	042 / 042AV / 042AVE / 042AVEQ							0,5	W22MPR-U	6043
Chainsaws	044 / 044AVE / 044W							0,5	W22MPR-U	6043
Chainsaws	044C / 044 Cat	Cat						0,5	W22MPR-U	6043
Chainsaws	045 / 045AV / 045AVE							0,5	W22MPR-U	6043
Chainsaws	045AVE	Super						0,5	W22MPR-U	6043
Chainsaws	048 / 048AVE / 050 / 050AV / 051 / 051AV / 051AVE							0,5	W22MPR-U	6043
Chainsaws	055 / 056 / 056AVE / 058AV							0,5	W22MPR-U	6043
Chainsaws	064 / 064AVEP / 064W / 066 / 066W							0,5	W22MPR-U	6043
Chainsaws	070 / 070AV / 071 / 075 / 075AV / 075AVE / 076							0,5	W22MPR-U	6043
Chainsaws	078AVE / 084 / 084AV / 088							0,5	W22MPR-U	6043
Chainsaws	090 /-AV /-N /-E /-G /-R /-S							0,5	W22MPR-U	6043
Chainsaws	FS150 / FS200 / FS410 / SC17							0,5	W22MPR-U	6043
Chainsaws	S10 / Lightning Super					W22M-US	6048	0,5		
Chainsaws	SG17 / BG17							0,5	W22MPR-U	6043
Cultivators	FC72 / FC75							0,5	W22MPR-U	6043
Drills	BT106 / BT106C / BT360							0,5	W22MPR-U	6043
Power Equipment	4309-1108					W20FP-U	3068	0,5	W20FPR-U	3070
Saws	TS 08							0,5	W22FSR	4024
Saws	TS50 / TS200					W22MP-US	6049	0,5	W22MPR-U	6043
Saws	TS350 / TS350S / TS360 / TS360S		60 cc	3.0	4.1			0,5	W22MPR-U	6043
Saws	TS400 / TS460			3,2 - 3,5	4,4 - 4,8			0,5	W22MPR-U	6043
Saws	TS510		89 cc	4.0	5.4			0,5	W22MPR-U	6043
Saws	TS760		111 cc	4.8	6.5			0,5	W22MPR-U	6043
STIHL - STIGA										
Mowers	BA 20					W14-US	6033	0,5		
Mowers	BB 800 / CB 700					W20M-US	6036	0,5	W20MR-U	6025
Mowers	Park 20008 / Pony 6,8 / President / Privat 8E					W20M-US	6036	0,5	W20MR-U	6025
Mowers	RA Dino 2T					W14-US	6033	0,5		
Mowers	RB Dino 4T					W20M-US	6036	0,5	W20MR-U	6025
Mowers	SB 50 Vario-Speed					W20M-US	6036	0,5	W20MR-U	6025
Mowers	Tornado TB300 / TB500					W20M-US	6036	0,5	W20MR-U	6025
STRUNK										
Chainsaws	Tall Timber					W20M-US	6036	0,7	W20MR-U	6025
Chainsaws	Others					W14-US	6033	0,6		
SUNBEAM										
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071
Mowers			Tecumseh Engine			W14LM-US	6035	0,8	W14LMR-US	6072
Mowers			Victa Engine			W20M-US	6036	0,8	W20MR-U	6025
Mowers		(Ø 18mm thread)				L14-U	5000	0,8	L14R-U	5049
SUPER SPLIT										
Log Splitters			B & S Engine			W9LM-US	6057	0,6	W9LMR-US	6071








				KW	HP	Standard			Alternative		
									R 		
SUZUKI											
Generators	SW 140 S / SE 3800 S					W16FP-U	4019	0,8	W16FPR-U	4192	
Generators	SV 1200(L) / SV 1400 / SV 1500							0,8	W20EPR-U	3047	
Generators	SV 2000 / SV 2200 / SV 2300 (.../C/L/S/R)							0,8	W20EPR-U	3047	
Generators	SR 1500 / SR 2000 / SD 2000 R							0,8	W20EPR-U	3047	
Generators	SV 4000 / SVW 140							0,8	W16EPR-U	3021	
Generators	SX 600 / SX 650 R / SX 800 R							0,8	W16FPR-U	4192	
Generators	SE 2500(L) / SE 3000(L/C)							0,8	W16FPR-U	4192	
Power Equipment	S 80					W14F-U	4012	0,8	W14FR-U	4017	
Power Equipment	SE 400 / SE 500 / SE 600 / SE 800 (...-A /-T)							0,7	W14MPR-U10	6018	
Power Equipment	SE 1000 / SE 1200 / SE 1500 / SE 2500 / SE 3000							0,8	W20FPR-U	3070	
Power Equipment	SE 1800 (-A / K / KL / L / LA)							0,8	W20EPR-U	3047	
Power Equipment	SD 650 R / SE700 A / 47 PB / VM 140							0,8	W20MPR-U10	6032	
Power Equipment	VM-OHV-B		OHV					0,8	W20EPR-U	3047	
Power Equipment	S 150 (...-R) / S 200 (...-A /-R)					W16FP-U	4019	0,8	W16FPR-U	4192	
Power Equipment	S 250					W16FP-U	4019	0,8	W16FPR-U	4192	
Power Equipment	V 120 / V 160 / V 270					W20EP-U	3043	0,8	W20EPR-U	3047	
Pumps	SP 20 (A) / SPT 20 / SP 30 (A)					W20FP-U	3068	0,8	W20FPR-U	3070	
Snowthrowers	SS 755					W16FP-U	4019	0,8	W16FPR-U	4192	
Snowthrowers	SS 552 / SS 555 (ES)					W20EP-U	3043	0,8	W20EPR-U	3047	
Snowthrowers	SS 865 (-E/-ES) / SS 980 (-E/-ES)					W20EP-U	3043	0,8	W20EPR-U	3047	
TANAKA											
Auger	JEA-1 / JEA-2C					W20S-U	3075	0,6	W20SR-U	3076	
Auger	TEA-30					W22S-U	4027	0,6			
Auger	TEA-500					W20M-US	6036	0,6	W20MR-U	6025	
Auger	TIA-302 / TIA-305 / TIA-340					W22M-US	6048	0,6			
Blower	TBL-505					W20M-US	6036	0,6	W20MR-U	6025	
Brushcutters	AST-250		25 cc			W20MP-U	6023	0,6			
Brushcutters	AST-5000 / AST-7000					W20MP-U	6023	0,6			
Brushcutters	QUM-2 / SUM-3 / SUM-301 / TST-218					W20M-US	6036	0,6	W20MR-U	6025	
Brushcutters	SUM-321 / SUM-351					W22M-US	6048	0,6			
Brushcutters	TBC-23 / TBC-26 / TBC-30 / TBC-40 / TBC-160					W20M-US	6036	0,6	W20MR-U	6025	
Brushcutters	TBC-220 / TBC-250 / TBC-500					W20MP-U	6023	0,6			
Brushcutters	TBC-162 / TBC-205 / TBC-215 / TBC-218 / TBC-232					W20M-US	6036	0,6	W20MR-U	6025	
Brushcutters	TBC-262 / TBC-264 / TBC-265 / TBC-373 / TBC-501					W20M-US	6036	0,6	W20MR-U	6025	
Brushcutters	TBC-235 / TBC-300 / TBC-321 / TBC322 / TBC-324					W22M-US	6048	0,6			
Brushcutters	TCB-355 / TBC-422 / TBC424					W22M-US	6048	0,6			
Brushcutters	TBC-2000 / TBC-2010 / TBC-2200		20 cc			W20MP-U	6023	0,6			
Brushcutters	TBC-4000 / TBC-4500 / TBC-5000		20 cc			W20MP-U	6023	0,6			
Brushcutters	TUM-220 / TUM-250					W20MP-U	6023	0,6			
Brushcutters / Trimmers	THT-16 / THT-23 / THT-162 / THT-200 / THT-210					W20M-US	6036	0,6	W20MR-U	6025	
Brushcutters / Trimmers	THT-230 / THT-232 / THT-262					W20M-US	6036	0,6	W20MR-U	6025	
Drills	TED-210					W20MP-U	6023	0,6			
Drills	TED-232 / TED-260 / TED-262 / TED-262 DH/L/H					W20M-US	6036	0,6	W20MR-U	6025	
Edger	TLE-500 / TLE-550		50 cc			W22M-US	6048	0,6			
Chainsaws	ECS-3 / EBC-1 / QUM-2					W20S-U	3075	0,7	W20SR-U	3076	
Chainsaws	ECS-35 / ECS-35B / ECS-35E					W20M-US	6036	0,7	W20MR-U	6025	
Chainsaws	ECS-290 / ECS-300 / ECS-320					W20M-US	6036	0,7	W20MR-U	6025	
Chainsaws	ECS-330 / ECS-350 / ECS-351 / ECS-355					W20M-US	6036	0,7	W20MR-U	6025	
Chainsaws	ECS-3500B / ECS-4000B					W20MP-U	6023	0,7			
Chainsaws	ECS-356 / ECS-370					W20M-US	6036	0,7	W20MR-U	6025	
Chainsaws	ECS-405 / ECS-415 / ECS-505					W22MP-US	6049	0,7	W22MPR-U	6043	
Chainsaws	ECS-506 / ECS-650 / ECS-655					W22MP-US	6049	0,7	W22MPR-U	6043	
Power Equipment	EHC-120		63 cc			W22M-US	6048	0,6			
Power Equipment	16cc		16 cc	0.6	0.8	W22M-US	6048	0,8			
Power Equipment	23cc		23 cc	0.9	1.2	W22M-US	6048	0,8			
Power Equipment	30cc / 31cc		30-31 cc	1.2	1.6	W22M-US	6048	0,8			
Power Equipment	37cc		37 cc	1.5	2.0	W22M-US	6048	0,8			
Power Equipment	J37 / RE11 / D50G					W20S-U	3075	0,8	W20SR-U	3076	
Power Equipment	Q22 / QC22					W20M-US	6036	0,8	W20MR-U	6025	

				KW	HP	Standard			Alternative	
										
TANAKA continued										
Power Equipment	QEG300 / T50					W20M-US	6036	0,8	W20MR-U	6025
Pumps	TCP-381		50 cc			W20S-U	3075	0,6	W20SR-U	3076
TECUMSEH										
Power Equipment	AH 480			2,9	3,9	W14-US	6033	0,7		
Power Equipment	AH 520			1,7	2,3	W9P-U	6006	0,7	W9PR-U	6007
Power Equipment	AH 600			2,2	3,0	W20MP-U	6023	0,7		
Power Equipment	AV 520			2,2	3,0	W14LM-US	6035	0,7	W14LMR-US	6072
Power Equipment	AV 600			2,8	3,8	W14LM-US	6035	0,7	W14LMR-US	6072
Power Equipment	Centura 40, 50, 55 DX		Tecumseh 50 DX					0,7	W9LMR-US	6071
Power Equipment	Centura 50 DX		Tecumseh 163 cc 50 DX	3,3	4,5			0,7	W9LMR-US	6071
Power Equipment	Centura 60 OHV / 65 OHV							0,7	W22ESR-U	3098
Power Equipment	Centura 156 / 172 / 195							0,7	W9LMR-US	6071
Power Equipment	Geotec 40/172, 50/195							0,7	W9LMR-US	6071
Power Equipment	H 25			1,8	2,5	W14-US	6033	0,7		
Power Equipment	H 30 / LAV 30			2,2	3,0	W14-US	6033	0,7	W14LMR-US	6072
Power Equipment	H 35 / HXL 35 / LAV 35			2,6	3,5	W14-US	6033	0,7	W14LMR-US	6072
Power Equipment	H 50 / HS 50 / VH 50 / HH50 / LAV 50 / V 50			3,7	5,0	W14-US	6033	0,7	W14LMR-US	6072
Power Equipment	H 60 / HH 60 / V 60 / VH 60			4,4	6,0	W14-US	6033	0,7	W14LMR-US	6072
Power Equipment	H 70 / HM 70 / HH70 / V 70 / VM 70			5,1	7,0	W14-US	6033	0,7	W14LMR-US	6072
Power Equipment	H 80 / HH 80 / HM 80			5,9	8,0	W14-US	6033	0,8		
Power Equipment	HH 40 / HS 40			2,9	4,0	W14-US	6033	0,7	W14LMR-US	6072
Power Equipment	HH 60 / VH 60			4,4	6,0	W14-US	6033	0,8		
Power Equipment	HH 100 / HH140 / HH160 / HH180					W20FS-U	3073	0,7	W20FSR-U	6053
Power Equipment	HHM 80 / V 80 / VM 80			5,9	8,0	W14-US	6033	0,8		
Power Equipment	HM 100 / VH 100			7,4	10,0	W14-US	6033	0,8		
Power Equipment	HS 40 / VH 40		173 cc	2,9	4,0			0,8	W14LMR-US	6072
Power Equipment	HSK 300			1,5	2,0	W20MP-U	6023	0,7		
Power Equipment	HXL 35			2,6	3,5	W14-US	6033	0,8		
Power Equipment	HXL 840 / HSK 840			2,9	4,0	W20MP-U	6023	0,8		
Power Equipment	LAV 30 / LAV 35 / LAV 40		4-Stroke					0,7	W14LMR-US	6072
Power Equipment	LAV 50 / HS 50 / TVM 125			3,7	5,0			0,8	W14LMR-US	6072
Power Equipment	OH 120 / OH 140 / OH 160 / OH 180					W20FS-U	3073	0,7	W20FSR-U	6053
Power Equipment	OVM 120 / OVXL 120 / OVXL(C) 125			8,8	12,0			0,7	W16FSR	3033
Power Equipment	OVRM 40		OHV 148 cc	2,9	4,0			0,7	W22ESR-U	3098
Power Equipment	OVRM 50		OHV 173 cc	3,7	5,0			0,7	W22ESR-U	3098
Power Equipment	OVRM 905			3,3	4,5	W22ES-U	3093	0,7	W22ESR-U	3098
Power Equipment	Prisma 156		156 cc	2,7	3,7			0,7	W9LMR-US	6071
Power Equipment	TCH 200			1,2	1,6	W20MP-U	6023	0,7		
Power Equipment	TCH 300			1,5	2,0	W22MP-US	6049	0,7	W22MPR-U	6043
Power Equipment	TNT 100		164 cc	2,9	3,9			0,7	W14LMR-US	6072
Power Equipment	TVM 140 / TVM 170 / TVM 195 / TVXL 195			4,4	6,0	W14-US	6033	0,7	W14LMR-US	6072
Power Equipment	TVM 170 / TVXL 170			5,1	7,0	W14-US	6033	0,7	W14LMR-US	6072
Power Equipment	TVM 195 / TVXL 195			5,9	8,0	W14-US	6033	0,8	W14LMR-US	6072
Power Equipment	TVXL 105		172 cc	2,9	4,0			0,7	W14LMR-US	6072
Power Equipment	TVS 75		127 cc	2,2	3,0			0,7	W14LMR-US	6072
Power Equipment	TVS 90		148 cc	2,6	3,5			0,7	W14LMR-US	6072
Power Equipment	TVS 100			2,9	3,9			0,7	W14LMR-US	6072
Power Equipment	TVS 105		172 cc	2,9	4,0			0,7	W14LMR-US	6072
Power Equipment	TVS 115		188 cc	3,3	4,5			0,7	W14LMR-US	6072
Power Equipment	TVS 120 / TNT 120		197 cc	3,7	5,0			0,7	W14LMR-US	6072
Power Equipment	TVS520 / TVS 600			2,4	3,3	W14LM-US	6035	0,7	W14LMR-US	6072
Power Equipment	TVS 840 / TVXL 840			2,9	4,0	W20MP-U	6023	0,7		
Power Equipment	V 50 / AV 600 / AH 817			3,7	5,0	W14-US	6033	0,7	W14LMR-US	6072
Power Equipment	V 50 / AV 600 / AH 817			3,7	5,0	W14-US	6033	0,8		
Power Equipment	V 70 / VH 70 / VM 70 / HH 70			5,1	7,0	W14-US	6033	0,8		
Power Equipment	Vantage 148 / Geotec 148		148 cc	2,6	3,5			0,7	W9LMR-US	6071
Power Equipment	VM 100 / TVM 220 / TVXL 220			4,4	6,0	W14-US	6033	0,7		
Power Equipment	VM 100 / TVM 220 / TVXL 220			7,4	10,0	W14-US	6033	0,8		
Tecna. Aspera	AV 125 / AV 175	(75 > 83)	Magneto ign. 123 cc	2,6	3,5	W20S-U	3075	0,7	W20SR-U	3076
Tecna. Aspera	AV 520	(75 > 83)	Magneto ign. 85 cc	2,2	3,0	W14-US	6033	0,7	W14LMR-US	6072
Tecna. Aspera	AV 600	(75 > 83)	Magneto ign. 99 cc	2,6	3,5	W14-US	6033	0,7	W14LMR-US	6072
Tecna. Aspera	BV 133 / BV 150 / BV 153	(75 > 83)	Magneto ign. 149 cc	2,6	3,5	W14-US	6033	0,7	W14LMR-US	6072
Tecna. Aspera	BV 172 / BV173	(75 > 83)	Magneto ign. 173 cc	2,9	4,0	W14-US	6033	0,7	W14LMR-US	6072
Tecna. Aspera	H 30 / HB 30	(75 > 83)	Magneto ign. 127 cc	2,2	3,0	W14-US	6033	0,7	W14LMR-US	6072
Tecna. Aspera	H 35 / HBL 35	(75 > 83)	Magneto ign. 149 cc	2,6	3,5	W14-US	6033	0,7	W14LMR-US	6072

				KW	HP	Standard			Alternative		
											
TECUMSEH <i>continued</i>											
Tecna. Aspera	HS 30 / HBL 30	(75 > 83)	Magneto ign. 127 cc	2.2	3.0	W14-US	6033	0,7	W14LMR-US	6072	
Tecna. Aspera	HS 35 / HBL 35 / HBP 40	(75 > 83)	Magneto ign. 173 cc	2.9	4.0	W14-US	6033	0,7	W14LMR-US	6072	
Tecna. Aspera	LAV 30	(75 > 83)	Magneto ign. 127 cc	2.2	3.0	W14-US	6033	0,7	W14LMR-US	6072	
Tecna. Aspera	LAV 35	(75 > 83)	Magneto ign. 149 cc	2.6	3.5	W14-US	6033	0,7	W14LMR-US	6072	
Tecna. Aspera	LAV 153	(75 > 83)	Magneto ign. 149 cc	2.6	3.5	W14M-US	6034	0,7	W14MR-U	6019	
Tecna. Aspera	LAV 40 / LAV 172	(75 > 83)	Magneto ign. 173 cc	2.9	4.0	W14-US	6033	0,7	W14LMR-US	6072	
Tecna. Aspera	MV 100 / MV 100 S	(75 > 83)	Magneto ign. 99 cc	2.6	3.5	W14-US	6033	0,7	W14LMR-US	6072	
Tecnamotor	BVL 198		198 cc	3.7	5.0			0,7	W14LMR-US	6072	
Tecnamotor	Premier 55 OHV		OHV 173 cc	4.0	5.5			0,7	W22ESR-U	3098	
Tecnamotor	RV 173 / BVL 173		173 cc	2.9	4.0			0,7	W14LMR-US	6072	
Tecnamotor	Synergie 40		173 cc	2.9	4.0			0,7	W14LMR-US	6072	
Tecnamotor	Synergie 55 OHV		OHV 173 cc	4.0	5.5			0,7	W22ESR-U	3098	
Tecnamotor	Vantage 35 / 40							0,7	W14LMR-US	6072	
TONDU											
Brushcutters	16 / 22cc					W22M-US	6048	0,5			
Brushcutters	35cc					W20M-US	6036	0,5	W20MR-U	6025	
Chainsaws	30F / 35F / 42F					W22MP-US	6049	0,6	W22MPR-U	6043	
TOPSO											
Chainsaws	E501AV / E511AVB					W20MP-U	6023	0,5			
Chainsaws	E601AV / E611AVB					W20MP-U	6023	0,5			
Chainsaws	E700AV / E710AVB					W20MP-U	6023	0,5			
TORO											
Mowers	215 C.I.D.	(Standard)	Chevrolet Engine					0,8	T16PR-U	5025	
Mowers	215 C.I.D.	(Heavy load = option)	Chevrolet Engine					0,8	T20PR-U	5035	
Mowers	AENLD		Wisconsin Engine			L14-U	5000	0,8	L14R-U	5049	
Mowers	B48G		Onan Engine					0,8	T16EPR-U	5022	
Mowers	K17		Kohler Engine					0,8	T14PR-U	5020	
Mowers	K141 / K181		Kohler Engine			W14-US	6033	0,8			
Mowers	K321 / K532 / K582		Kohler Engine			W16LS	3035	0,8			
Mowers	M14		Kohler Engine	10.3	14.0			0,8	T14PR-U	5020	
Mowers	NHB		Onan Engine			W20ES-U	3051	0,8	W20ESR-U	3057	
Mowers	R839		Teleclyne			W22FP-U	4021	0,8	W22FPR-U	4022	
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071	
Mowers			Kioritz Engine			W20M-US	6036	0,8	W20MR-U	6025	
Mowers			Tecumseh Engine			W14LM-US	6035	0,8	W14LMR-US	6072	
TOYOTA											
Lift Trucks	02FG32 / 02FG35 / 02FG40		F Eng.					0,8	W14EXR-U	3013	
Lift Trucks	2FG50 / 2FG60		2F Eng. (6 Cyl.)					0,8	W14EXR-U	3013	
Lift Trucks			3P					0,8	W16ESR-U	3110	
Lift Trucks			2P Eng.					0,8	W14EXR-U	3013	
Lift Trucks	(-07.83)		4P Eng. 1493 cc (4 Cyl.)					0,8	W14EXR-U	3013	
Lift Trucks	(08.83-08.86)		4P 4 Cyl.) / 1493 cc (2R Eng.)					0,8	W16EXR-U	3031	
Lift Trucks	(09.86-)		4P Eng. 1493 cc (4 Cyl.)					0,8	W9EXR-U	6044	
Lift Trucks	(09.86-) (Spark plug with extra gasket)		4P Eng. 1493 cc (4 Cyl.)					0,8	W9EXR-U/Cu	6056	
Lift Trucks			5R 1990 cc (5P Eng.) (4 Cyl.)					0,8	W16EXR-U	3031	
Lift Trucks	7-Series (7FGCU 15, 18, S20)		4Y 2237 cc (2,3 OHV 2V)	32.0	44.0			0,8	W9EXR-U	6044	
Lift Trucks	7-Series (7FGCU 20, 25, 30, 32)		4Y 2237 cc (2,3 OHV 2V)	39.0	53.0			0,8	W9EXR-U	6044	
TROMECA											
Brushcutters	200 / 260 / 260D					W22MP-US	6049	0,5	W22MPR-U	6043	
Brushcutters	400A / 460AVS					W22MP-US	6049	0,5	W22MPR-U	6043	
Brushcutters	8420 / 8510 / 8515					W22MP-US	6049	0,5	W22MPR-U	6043	
Chainsaws	935F / 942 / 946 / 951 / 999F					W22MP-US	6049	0,5	W22MPR-U	6043	
Mowers	20805 (Quantum)		B & S Engine	2.9	4.0	W9LM-US	6057	0,7	W9LMR-US	6071	
Mowers	20805 (Quantum XTE)		B & S Engine	3.7	5.0	W9LM-US	6057	0,7	W9LMR-US	6071	
Mowers	LM 21SP2K (FC180V)		Kawasaki Engine			W20EP-U	3043	0,7	W20EPR-U	3047	
Mowers	LM 21SP2S (SB152)		F & S Engine			W16FS-U	3034	0,7	W16FSR	3033	
Mowers	LM 21SP3S (ST204)		F & S Engine			M14	5001	0,6			
Mowers	TR 346P (Prisma 37)		Tecnamotor			W14LM-US	6035	0,7	W14LMR-US	6072	
Mowers	TR 4431BS / TRT 4431BS (Sprint 375)		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071	
Mowers	TR 500T (Quantum XM40)		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071	

				KW	HP	Standard			Alternative	
										
TROMECA continued										
Mowers	TRT 443 / TRP 443 (Quantum XM35)		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071
Mowers	TRT 4481BQ / TRT 4481BOD (Quantum XTE50)		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071
Mowers	TRT 4481K (FC150)		Kawasaki Engine			W20EP-U	3043	0,7	W20EPR-U	3047
Mowers	TRT 4481S (SB140SL)		F & S Engine					0,7	W16PR-U	3037
Mowers	TRT 5471BQ (Quantum XTL50)		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071
Mowers	TRT 5471BQD (Quantum XTL50DE)		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071
Mowers	TRT 5471S (SB140SL)		F & S Engine					0,7	W16PR-U	3037
Mowers	TRT 5531BQ (Quantum XTL50)		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071
Mowers	TRT 5531BQD (Quantum XTL50DE)		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071
Mowers / Brushcutters	AS 21AB / AS 21A81 (AS Motor)			3.3	4.5	W16FS-U	3034	0,7	W16FSR	3033
Mowers / Brushcutters	AS 21BS (Quantum)			3.7	5.0	W9LM-US	6057	0,7	W9LMR-US	6071
Mowers / Brushcutters	AS 22F (AS Motor)			5.1	7.0	W16FS-U	3034	0,7	W16FSR	3033
Mowers / Brushcutters	AS 21 165 (AS Motor)			5.1	7.0	W16FS-U	3034	0,7	W16FSR	3033
Mowers / Brushcutters	AS 26A82 / AS 26A92 (AS Motor)			5.1	7.0	W16FS-U	3034	0,7	W16FSR	3033
Mowers / Brushcutters	AS 27A82 / AS 27A92 (AS Motor)			5.1	7.0	W16FS-U	3034	0,7	W16FSR	3033
Mowers / Brushcutters	AS 53B1 / B1R (AS Motor)			5.1	7.0	W16FS-U	3034	0,7	W16FSR	3033
Mowers / Brushcutters	Montana BQ5 (XM I/C)					W9LM-US	6057	0,7	W9LMR-US	6071
Brushcutters	TE22F / TE22R / TE26 / TE30 / TE40 / TE40GT / TE41					W22MP-US	6049	0,7	W22MPR-U	6043
TRU - CUT										
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071
Mowers	Honda		OHV			W16EP-U	3018	0,8	W16EPR-U	3021
TURF BLAZER										
Mowers			Kohler Engine			W14L	6013	0,8		
Mowers			Wisconsin Engine			L14-U	5000	0,8	L14R-U	5049
U.S. ENGINES										
Power Equipment	354 / 415 / 354SP / 414SP					W22MP-US	6049	0,8	W22MPR-U	6043
UNICORN										
Log Splitters						W20M-US	6036	0,6	W20MR-U	6025
VANN										
Log Splitters						W20S-U	3075	0,6	W20SR-U	3076
VAP										
Brushcutters	CBT45 / DB23 / DB24 / DB28 / DB33 / DB47 / DB49					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	530 / 535 / 542 / 548 / 553 / 570					W22MP-US	6049	0,5	W22MPR-U	6043
Mowers	46 T37 (Prisma 37)		Tecnamotor			W14LM-US	6035	0,7	W14LMR-US	6072
Mowers	Border F4 / F4A (Prisma 37)		Tecnamotor			W14LM-US	6035	0,7	W14LMR-US	6072
Mowers	Boxer F2 / F2A (MV100S)		Tecnamotor			W14LM-US	6035	0,7	W14LMR-US	6072
Mowers	Boxer F4A37 / F4AE37 (Prisma 37)		Tecnamotor			W14LM-US	6035	0,7	W14LMR-US	6072
Mowers	Pointer F4 .37 (Prisma 37)		Tecnamotor			W14LM-US	6035	0,7	W14LMR-US	6072
Mowers	Springer B5A (Quantum 50)		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071
Mowers	Springer F5A / F5AE (Synergie 40)		Tecnamotor			W9LM-US	6057	0,7	W9LMR-US	6071
Mowers	Springer K5A / FC150		Kawasaki Engine			W20EP-U	3043	0,7	W20EPR-U	3047
VICTA										
Mowers	2-Stroke			125 cc		W16FS-U	3034	0,5	W16FSR	3033
Mowers	2-Stroke			160 cc		W20M-US	6036	0,6	W20MR-U	6025
Mowers	4-Stroke			148 cc		W14-US	6033	0,8		
Mowers	500 Twin					W14-US	6033	0,6		
Mowers	Compact 400					W14-US	6033	0,6		
Mowers	Impala 4Mk II					W14-US	6033	0,8		
Mowers	Super Professional / Super 24					W20M-US	6036	0,6	W20MR-U	6025
Mowers	Tit- a cut					W20M-US	6036	0,6	W20MR-U	6025
Mowers	VC / VC 160 Mustang Mk II					W20M-US	6036	0,6	W20MR-U	6025
WACKER										
Chainsaws	BTS 9 / 12 / 14					W22MP-US	6049	0,5	W22MPR-U	6043
Chainsaws	BTS 10 / 11 / 13					W22MP-US	6049	0,5	W22MPR-U	6043
WARDS										
Chainsaws	24000A / 24001A / 24002A / 24002B / 24002C / 24003A					W22M-US	6048	0,7		
Chainsaws	24005A / 24005B / 24006A / 24006B / 24007A / 24007B					W22M-US	6048	0,7		
Chainsaws	24008A / 24008B / 24025A / 24025B / 24027A / 24028B					W22M-US	6048	0,7		
Chainsaws	24030A / 24031A / 24032A / 24033A / 24034A / 24035A					W22M-US	6048	0,7		
Chainsaws	24036A / 24036B / 24036C / 24036D / 24037A / 24038A					W22M-US	6048	0,7		










				KW	HP	Standard			Alternative		
											
WARDS <i>continued</i>											
Chainsaws	24040A / 24040B / 24040C / 24045A					W22M-US	6048	0,7			
Chainsaws	24050A / 24052A / 24054A / 24056A / 24062 / 24064					W22MP-US	6049	0,7	W22MPR-U	6043	
Chainsaws	24066 / 24068 / 24078 / 24084 / 24086					W22MP-US	6049	0,7	W22MPR-U	6043	
Chainsaws	24087A / 24089A / 24090A / 24094A / 24095A / 30000A					W22M-US	6048	0,7			
Chainsaws	24102-9 / 24100-1 / 24103-6					W20M-US	6036	0,7	W20MR-U	6025	
Chainsaws	24148					W14-US	6033	0,7			
Chainsaws	30004A / 30008A / 30012A / 30016A / 30020A / 30024A					W22M-US	6048	0,7			
Chainsaws	TMC - 24060A					W20S-U	3075	0,7	W20SR-U	3076	
Chainsaws	TMC - 24072A / TMC - 24075A / TMC - 24075B					W22M-US	6048	0,7			
Chainsaws	TMC - 24085A / TMC - 24095A					W22M-US	6048	0,7			
WAYNE											
Chainsaws	225 cu.in		Chrysler Engine			W16EP-U	3018	0,7	W16EPR-U	3021	
Chainsaws	318 cu.in		Chrysler Engine			W16EP-U	3018	0,7	W16EPR-U	3021	
WEBB											
Mowers	All Models		B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071	
Mowers	All Others					W20M-US	6036	0,8	W20MR-U	6025	
WEED EATER											
Mowers			Fuji Engine			W22M-US	6048	0,8			
Mowers			Kioritz Engine			W20M-US	6036	0,8	W20MR-U	6025	
Mowers			Tecumseh Engine			W14-US	6033	0,8			
Mowers	Model 657					W9LM-US	6057	0,8	W9LMR-US	6071	
Mowers	Model 1000					W22FS-U	4025	0,8	W22FSR	4024	
WEGELE											
Mowers	All Models					L14-U	5000	0,8	L14R-U	5049	
WEST BEND											
Chainsaws	All Models					W20M-US	6036	0,7	W20MR-U	6025	
WHEEL HORSE											
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071	
Mowers			Renault Engine			W20FP-U	3068	0,8	W20FPR-U	3070	
Mowers	B43M		Onan Engine			W16LS	3035	0,8			
Mowers	K181		Kohler Engine			W14-US	6033	0,8			
Mowers	K241 / K301 / K321		Kohler Engine			W16LS	3035	0,8			
Mowers	K341 / K532		Kohler Engine			W16LS	3035	0,8			
Mowers	K717		Kohler Engine					0,8	T14PR-U	5020	
WHITE											
Log Splitters						W14-US	6033	0,7			
WIZARD											
Chainsaws	010 / 012 / 014 / AV14 / AV16 / 110 / 112 / 212					W20M-US	6036	0,7	W20MR-U	6025	
Chainsaws	314 / 316 / 420 / 430 / 430B / AV10 / AV16					W20M-US	6036	0,7	W20MR-U	6025	
Chainsaws	AV18 / B013					W20MP-U	6023	0,7			
Mowers	2-Stroke		Clinton Engine			W14L	6013	0,6			
Mowers	Power Product					W20M-US	6036	0,8	W20MR-U	6025	
Mowers	Propulsion VE901R					W9-U	6004	0,8			
Mowers			Clinton Engine			W20M-US	6036	0,6	W20MR-U	6025	
WOOD WACKER - I											
Chainsaws			B & S Engine			W9LM-US	6057	0,7	W9LMR-US	6071	
WOODCHUCK											
Chainsaws	172 cu.in		Ford Engine			W14L	6013	0,7			
Chainsaws	300 / 330 cu.in		Ford Engine					0,7	MA20R-U	5014	
WOODSMAN											
Log Splitters						W20M-US	6036	0,6	W20MR-U	6025	
WOODWARDS											
Mowers			B & S Engine			W9LM-US	6057	0,6	W9LMR-US	6071	
WRIGHT											
Chainsaws	104 / 104D / 111 / 121 / 122A / 122CVA					W20M-US	6036	0,7	W20MR-U	6025	
Chainsaws	136 / 137A / 140 / 141A					W20M-US	6036	0,7	W20MR-U	6025	
Chainsaws	C40 / C40D / C70 / C70G / C70D					W20S-U	3075	0,6	W20SR-U	3076	
Chainsaws	GS218 / GS2520 / C250 / C250D / C50SG					W9-U	6004	0,6			
Chainsaws	GS2016 / B316					W9P-U	6006	0,6	W9PR-U	6007	
Chainsaws	GS4520 / GS5020 / GS5020A / B520					W14M-US	6034	0,7	W14MR-U	6019	










				KW	HP	Standard			Alternative	
										
YAMAHA										
Engines	MF 150 A / MF180 (./-A /-AR /-AS /-S /-SR)					W20FP-U	3068	0,6	W20FPR-U	3070
Engines	MF 260 (A /-AR /-S /-SR)					W20FP-U	3068	0,6	W20FPR-U	3070
Engines	MF 410 (A /-AR /-S /-SR)					W20FP-U	3068	0,6	W20FPR-U	3070
Generators	EF 600		4-Stroke 70 cc	0.9	1.2			0,8	W20MPR-U10	6032
Generators	EF 600	(L=12.7mm thread)	4-Stroke 70 cc	0.9	1.2			0,7	W20FPR-U	3070
Generators	EF 1000 / EF 1200(A)		4-Stroke	1,3 - 1,8	1,7 - 2,5			0,7	W20FPR-U	3070
Generators	EF 1400 / EF 1700		4-Stroke	1,8 - 2,4	2,4 - 3,3			0,7	W20FPR-U	3070
Generators	EF 2000 / EF 2100		4-Stroke					0,7	W20FPR-U	3070
Generators	EF 2200 / EF 2400		4-Stroke					0,7	W20FPR-U	3070
Generators	EF 2500 / EF 2600		4-Stroke					0,7	W20FPR-U	3070
Generators	EF 2800 / EF 3200		4-Stroke					0,7	W20FPR-U	3070
Generators	EF 2800 HK / EF 2800 K		4-Stroke					0,7	W14FPR-U	4184
Generators	EF 3600 / EF 3800		4-Stroke					0,7	W20FPR-U	3070
Generators	EF 4000 (./-DV/-E) / EF 4300		4-Stroke					0,7	W20FPR-U	3070
Generators	EF 4400 (./-E/-DV/-DVE)		4-Stroke 412 cc	4.8	6.5			0,7	W20FPR-U	3070
Generators	EF 5400 (E)		4-Stroke	5.9	8.0			0,7	W16EPR-U	3021
Golf car	G1A / G3					W16FP-U	4019	0,7	W16FPR-U	4192
Golf car	GE					W14F-U	4012	0,7	W14FR-U	4017
Golf car	G2A / G9A					W16ES-U	3025	0,5	W16ESR-U	3110
Mowers	YLM 342 / YLM 346		4-Stroke			W14E	6009	0,7		
Mowers	YLM 446 / YLU 446		4-Stroke	3.2	4.4			0,7	W16EPR-U	3021
Mowers	YLM 453		4-Stroke	3.4	4.6			0,7	W16EPR-U	3021
Mowers	YLM 466	OHV	4-Stroke			W16EP-U	3018	0,7	W16EPR-U	3021
Mowers	YLM 553 / YLU 553		4-Stroke	3.2	4.4			0,7	W16EPR-U	3021
Mowers	YLM 653		4-Stroke	3.4	4.6			0,7	W16EPR-U	3021
Pumps	YP 20 GN		4-Stroke	2.6	3.6	W14FP-U	4013	0,7	W14FPR-U	4184
Pumps	YP 30 GK / YP 30 GN		4-Stroke	2.6	3.6			0,7	W14FPR-U	4184
Pumps	YP 30 GX	(L=19.0mm thread)						0,7	W16EPR-U	3021
Pumps	YP 20 TA / YP 30 TA / YP 40 TA							0,7	W20FPR-U	3070
Snowthrowers	YS 220		2-Stroke 80 cc	1.5	2.0			0,7	W16FPR-U	4192
Snowthrowers	YS 524 (TE)		4-Stroke	3.7	5.0			0,7	W14EPR-U	6011
Snowthrowers	YS 624		4-Stroke 200 cc	4.4	6.0			0,7	W14FPR-U	4184
Snowthrowers	YS 828		4-Stroke 290 cc	5.9	8.0			0,7	W14FPR-U	4184
Tractors	YBC 20 S/ YBC 20 D							0,8	W20MPR-U10	6032
Tractors	YBC 30 D/ YBC 40 D / YBC 50 D							0,8	W20MPR-U10	6032
Tractors	YT 3600		4-Stroke 360 cc	8.8	12.0			0,7	W14EPR-U	6011
YARD-MAN										
Log Splitters			B & S Engine			W9LM-US	6057	0,6	W9LMR-US	6071
Mowers			Tecumseh Engine			W14-US	6033	0,8		
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071
YARDSMITH										
Mowers	All Models					W9LM-US	6057	0,8	W9LMR-US	6071
YAZOO (KEES)										
Mowers			B & S Engine			W9LM-US	6057	0,8	W9LMR-US	6071
Mowers	EY18W / EY18/3W		Wisconsin Engine			W16FS-U	3034	0,8	W16FSR	3033
Mowers	TJD		Wisconsin Engine			L14-U	5000	0,8	L14R-U	5049
ZÜNDAPP										
	685 015 /-025 /-035 /-045 /-055					W14-US	6033	0,6		










DENSO Marine Outboard


















AERO MARINE									
AM 4000-4 HP	70 > 73			0,9	W16PR-U	3037			
AM 5000 M, AM 5000 E-5 HP	70 > 72	W16LS	3035	0,9					
AM 7500M, AM 7500E-7,5 HP	70 > 73	W20M-US	6036	0,9	W20MR-U	6025			
AM 9000-9 HP	71 > 73	W20M-US	6036	0,6	W20MR-U	6025			
JET PAK	71 > 73			0,9	W16PR-U	3037			
AILSACRAIG									
AL-23 / O-11 / O-21 / O-22 / O-41 / O-411		M17	5002	0,6					
AIRBOY									
120		W16LS	3035	0,8					
B & S ENGINE 20 / 40 / 50 / 90		W20S-U	3075	0,8	W20SR-U	3076			
OMC 90				0,8	MA16PR-U	5008			
ALSPORT									
18MM HEADS		M24S	5004	0,5					
APACHE									
J5		W20M-US	6036	0,8	W20MR-U	6025			
J9		W14-U	6008	0,8					
ARKOS									
AQUASCOOTER		W20FS-U	3073	0,5	W20FSR-U	6053	IWF22	5379	
ARROW									
4				0,8	W16PR-U	3037			
5.5				0,8	W16PR-U	3037			
7.5				0,8	W16PR-U	3037			
ATCO									
2.25		W16FS-U	3034	0,5	W16FSR	3033			
5.5		M17	5002	0,5					
BEAVER									
5.5 HP				0,7	W16PR-U	3037			
7.5 HP				0,7	W16PR-U	3037			
9.0 HP				0,7	W16PR-U	3037			
BERMUDA									
14642		W16FS-U	3034	0,5	W16FSR	3033			
SKEEMAN / SPORTSMAN		M17	5002	0,5					
BIANCHI									
125CC		W20S-U	3075	0,5	W20SR-U	3076			
BLUEJET									
3.5 HP	> 61			0,8	W20SR-U	3076			
5.0 HP	> 63	W14M-U	6015	0,7	W14MR-U	6019			
BOATIMPELLER									
ALL MODELS		MW17	5088	0,5					
BOMBARDIER									
SPEEDSTER 20 MOT. 1503				0,7	XU24EPR-U	3180	IXU24	5309	
SPORTSTER 4-TEC MOT. 1503				0,7	XU24EPR-U	3180	IXU24	5309	
SPORTSTER LE-DI MOT. 947DI				1,1	KJ14CR-L11	3167	IK16	5303	
BRIGGS & STRATTON									
5.0 HP4-CYCLE, OHV, AIR COOLED				0,8	K16PR-U	3191	IK16	5303	
BRITISH ANZANI									
65		W20S-U	3075	0,7	W20SR-U	3076			
18180		W16LS	3035	0,7					
TRITON		W20ES-U	3051	0,6	W20ESR-U	3057			
BRITISH SEAGULL									
2FORTY FEATHERWEIGHT WITH CDI	81 >	M17	5002	0,8					
3FORTY PLUS WITH CDI	81 >	M17	5002	0,8					
4 1 CYL. 64CC CURLEW		W22ES-U	3093	0,8	W22ESR-U	3098			
5 1 CYL. 102CC OSPREY		W22ES-U	3093	0,8	W22ESR-U	3098			
5SEAGULL5, 5R		W22ES-U	3093	0,8	W22ESR-U	3098			
6 1 CYL. 102CC KINGFISHER		W22ES-U	3093	0,8	W22ESR-U	3098			
45, 55, 60, 75, 80, 90		MW17	5088	0,5					
125, 160, 170		W22ES-U	3093	0,8	W22ESR-U	3098			
CENTURY, /PLUS, FEATHERWEIGHT		MW17	5088	0,5					
FORTY FEATHERWEIGHT	55 > 80	M17	5002	0,5					
FORTY MINUS	55 > 80	M17	5002	0,5					
FORTY MINUS WITH CDI	81 >	M17	5002	0,8					
FORTY PLUS	56 > 80	M17	5002	0,5					
FORTY PLUS (CD IGN. -'80)		MW17	5088	0,5					
FORTY PLUS (MAGNETO IGN. -'80)		MW17	5088	0,5					
MINOR BM		W20FS-U	3073	0,5	W20FSR-U	6053	IWF22	5379	
QB SERIES: CURLEW, OSPREY		W22ES-U	3093	0,8	W22ESR-U	3098			
QB SERIES: KINGFISHER		W22ES-U	3093	0,8	W22ESR-U	3098			











		Standard				Alternative		
								
BRITISH SEAGULL <i>continued</i>								
SILVER CENTURY	66 > 80	M17	5002	0,5				
SILVER CENTURY PLUS	66 > 80	M17	5002	0,5				
SILVER CENTURY PLUS WITH CDI	81 >	M17	5002	0,8				
SILVER CENTURY WITH CDI	81 >	M17	5002	0,8				
CAL-JET								
ECONOJET, RAMJET		W20S-U	3075	0,8	W20SR-U	3076		
CARNITI								
3 / 5 / 9.5 PS		W20FS-U	3073	0,5	W20FSR-U	6053	IWF22	5379
25 / 40 / 50 / 70 / 85 / 100 PS		W20FS-U	3073	0,5	W20FSR-U	6053	IWF22	5379
45S / 65S / 80S		W27FS-U	4052	0,6	W27FSR	4054	IWF27	5381
CHIEF								
J-5		W20M-U	6022	0,8	W20MR-U	6025		
J9				0,6	W16PR-U	3037		
J-200 / J-300 / J-350 / J-400 / J-500 / J-700		W20M-US	6036	0,8	W20MR-U	6025		
K-150	76 > 80	W22M-U	6026	0,6				
K-150/200/300/400/990		W20M-U	6022	0,8	W20MR-U	6025		
K-201	76 > 80			0,6	W16PR-U	3037		
K-500 / K-700 / K-750	> 73	W20M-US	6036	0,8	W20MR-U	6025		
K-500 / K-700 / K-750	74 > 75			0,8	W16PR-U	3037		
K-505 / K-550	76 > 80			0,6	W16PR-U	3037		
K-751 / K-753 / K-900	76 > 80			0,6	W16PR-U	3037		
CHRYSLER								
3.5 HP	> 76	W16LS	3035	0,7				
3.6 HP	> 76	W16LS	3035	0,7				
4.0 HP	76 >	W16FS-U	3034	0,7	W16FSR	3033		
4.0 HP	76 > 84			0,8	W20FSR-U	6053	IWF22	5379
4.9 HP	73 > 75			0,8	W16FSR	3033		
6.0 HP	65 > 67	W16LS	3035	0,7				
35 HP	> 68	W24S-U	4040	0,7				
35 HP	68 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
45 HP	71 > 78	SF-50/SF-51	6001/ 6002					
50 HP	65 > 66			0,8	W20SR-U	3076		
50 HP	81 > 84			0,8	W20FSR-U	6053	IWF22	5379
55 HP	67 > 76	W20FS-U	3073	0,8	W20FSR-U	6053	IWF22	5379
55 HP	69 > 81	SF-50/SF-51	6001/ 6002					
55 HP	80 > 83	SF-50	6001	---				
55 HP	81 > 83	SF-50	6001					
60 HP	> 84	SF-50	6001	---				
60 HP-MAG I	74 >	SF-50	6001					
60 HP-MAG II	74 > 76	SF-50/SF-51	6001/ 6002					
65 HP	77 > 78	SF-50/SF-51	6001/ 6002					
70 HP	79 > 80	SF-50	6001	---				
70 HP-ALL MODELS		SF-50	6001					
75 HP	74 > 84	SF-50	6001	---				
85 HP	77 > 84	SF-50	6001	---				
90 HP	74 > 84	SF-50	6001	---				
100 HP	79 > 84	SF-50	6001	---				
105 HP	68 > 74	SF-50	6001					
105 HP	77 > 78	SF-50	6001					
105 HP	80 >	SF-50	6001					
115 HP	78 >	SF-50	6001					
120 HP	70 > 74	SF-50	6001					
120 HP	70 > 77	SF-50	6001	---				
120 HP	75 > 76	SF-50/SF-51	6001/ 6002					
120 HP	77 >	SF-50	6001					
125 HP	81 > 85	SF-50	6001					
130 HP	72 > 73	SF-50	6001					
135 HP	74 >	SF-50	6001					
135 HP	75 > 76	SF-50/SF-51	6001/ 6002					
135 HP	77 >	SF-50	6001					
140 HP-ALL MODELS	72 >	SF-50	6001					
150 HP-ALL MODELS	72 >	SF-50	6001					










		Standard				Alternative			
									
CLINTON									
2.0 HP - J-200		W14M-U	6015	0,8	W14MR-U	6019			
2.0 HP - K-200		W14M-U	6015	0,8	W14MR-U	6019			
2.0 HP - K-201	76 > 91			0,6	W20SR-U	3076			
3.0 HP - J-300		W14M-U	6015	0,8	W14MR-U	6019			
3.0 HP - K-300		W14M-U	6015	0,8	W14MR-U	6019			
3.5 HP - J-350		W14M-U	6015	0,8	W14MR-U	6019			
3.5 HP - K-350	76 > 87	W14M-U	6015	0,6	W14MR-U	6019			
4.0 HP - J-400		W14M-U	6015	0,8	W14MR-U	6019			
4.0 HP - K-400		W14M-U	6015	0,8	W14MR-U	6019			
5.0 HP - AJ-9		W14M-U	6015	0,8	W14MR-U	6019			
5.0 HP - BJ-9		W14M-U	6015	0,8	W14MR-U	6019			
5.0 HP - J-5		W14M-U	6015	0,8	W14MR-U	6019			
5.0 HP - J-9				0,8	W20SR-U	3076			
5.0 HP - J-500		W14M-U	6015	0,8	W14MR-U	6019			
5.0 HP - K-500	73 > 75	W14M-U	6015	0,8	W20PR-U	5046			
5.0 HP - K-505	76 > 91			0,6	W20PR-U	5046			
5.5 HP - K-550	76 > 91			0,6	W20PR-U	5046			
5.5 HP - K-555				0,6	W16PR-U	3037			
7.0 HP - J-700		W14M-U	6015	0,8	W14MR-U	6019			
7.0 HP - K-700	> 73	W14M-U	6015	0,8	W14MR-U	6019			
7.0 HP - K-700	74 > 75			0,8	W20PR-U	5046			
7.5 HP - K-750	> 73	W14M-U	6015	0,8	W14MR-U	6019			
7.5 HP - K-750	74 > 75			0,8	W20PR-U	5046			
7.5 HP - K-750	76 > 84			0,6	W20PR-U	5046			
7.5 HP - K-751	76 > 80			0,6	W16PR-U	3037			
7.5 HP - K-752				0,6	W16PR-U	3037			
7.5 HP - K-753				0,6	W16PR-U	3037			
9AJ-9 / BJ-9		W20M-US	6036	0,8	W20MR-U	6025			
9.0 HP - K-900	76 > 91			0,6	W20PR-U	5046			
9J5-1000 / J6-1000		W20M-US	6036	0,8	W20MR-U	6025			
9J-7 / J-8		W16LS	3035	0,8					
9J9-1000		W20M-US	6036	0,8	W20MR-U	6025			
9J-200 / J-300 / J-350 / J-400 / J-500 / J-700		W20M-US	6036	0,8	W20MR-U	6025			
9K-200 / K-300 / K-400 / K-500 / K-700		W20M-US	6036	0,8	W20MR-U	6025			
9K-990		W20M-US	6036	0,8	W20MR-U	6025			
9.9 HP - K-990		W14M-U	6015	0,8	W14MR-U	6019			
10 HP - W-100				0,6	W20FSR-U	6053	IWF22	5379	
14 HP - W-140				0,6	W20FSR-U	6053	IWF22	5379	
25 HP - W-250				0,6	W20FSR-U	6053	IWF22	5379	
COAST TO COAST									
4.6 HP	> 65			0,8	W20SR-U	3076			
COLT									
3.0 HP	> 63			0,8	W20SR-U	3076			
5.0 HP	> 63	W14M-U	6015	0,9	W14MR-U	6019			
COMMODORE									
18.0 HP				0,8	W20SR-U	3076			
40.0 HP				0,8	W20SR-U	3076			
COVENTRY CLIMAX									
FWA MK/ III / PPF		W24ES-U	4030	0,6	W24ESR-U	4033	IW24	5316	
FWM 750CC		W20ES-U	3051	0,6	W20ESR-U	3057			
COVENTRY VICTOR									
14MM HEADS(L=19.0MM THREAD)		W20ES-U	3051	0,6	W20ESR-U	3057			
18MM HEADS		M17	5002	0,5					
CRUISE N' CARRY									
1.5 HP	81 > 88	W14M-U	6015	0,7	W14MR-U	6019			
XENOA ENGINE -1.75 HP				0,8	W20SR-U	3076			
XENOA ENGINE- 2.5 HP	84 > 88			0,8	W20SR-U	3076			
XENOA ENGINE- 6.0 HP				0,7	W16FPR-U	4192	IWF16	5359	
CUYUNA									
40 HP				0,8	W24ESR	6068	IW24	5316	
DELFINO									
2.5		W14-U	6008	0,5					
3		W14-U	6008	0,5					
DM									
DM 5 219 C.I.D.		W16FS-U	3034	0,8	W16FSR	3033			
DYNAFOIL									
XENOA ENGINE-340 CC				0,8	W20ESR-U	3057			
XENOAENGINE-440 CC				0,8	W20ESR-U	3057			











		Standard				Alternative			
									
ELGIN									
3.5 HP - 6091		W14M-U	6015	0,8	W14MR-U	6019			
3.5 HP - 6092		W14M-U	6015	0,8	W14MR-U	6019			
3.5 HP - 60900		W14M-U	6015	0,8	W14MR-U	6019			
9.0 HP - 6066		W14M-U	6015	0,8	W14MR-U	6019			
9.0 HP - 6067		W14M-U	6015	0,8	W14MR-U	6019			
12 HP - 6012				1,0	W20SR-U	3076			
14 HP - 6013				1,0	W20SR-U	3076			
14 HP - 6014				1,0	W20SR-U	3076			
14 HP - 6015				1,0	W20SR-U	3076			
14 HP - 6069				1,0	W20SR-U	3076			
18 HP - 59661				1,0	W20SR-U	3076			
18 HP - 59671				1,0	W20SR-U	3076			
25 HP - 6025				1,0	W20SR-U	3076			
25 HP - 6028				1,0	W20SR-U	3076			
25 HP - 6032				1,0	W20SR-U	3076			
27.7 HP - 6033				1,0	W20SR-U	3076			
27.7 HP - 6035				1,0	W20SR-U	3076			
28 HP - 6034				1,0	W20SR-U	3076			
28 HP - 6036				1,0	W20SR-U	3076			
28 HP - 6037				1,0	W20SR-U	3076			
28 HP - 6038				1,0	W20SR-U	3076			
28 HP - 6070				1,0	W20SR-U	3076			
40 HP - 6040				1,0	W20SR-U	3076			
40 HP - 6043				1,0	W20SR-U	3076			
40 HP - 6047				1,0	W20SR-U	3076			
40 HP - 59421				1,0	W20SR-U	3076			
40 HP - 59461				1,0	W20SR-U	3076			
40 HP - 59471				1,0	W20SR-U	3076			
40 HP - 594001				1,0	W20SR-U	3076			
40 HP - 594011				1,0	W20SR-U	3076			
40 HP - 594031				1,0	W20SR-U	3076			
43.7 HP - 6052				1,0	W20SR-U	3076			
43.7 HP - 6053				1,0	W20SR-U	3076			
45 HP - 6054				1,0	W20SR-U	3076			
45 HP - 6055				1,0	W20SR-U	3076			
45 HP - 6056				1,0	W20SR-U	3076			
45 HP - 6057				1,0	W20SR-U	3076			
45 HP - 6062				1,0	W20SR-U	3076			
45 HP - 6063				1,0	W20SR-U	3076			
60 HP - 6060				1,0	W20SR-U	3076			
60 HP - 6061				1,0	W20SR-U	3076			
60 HP - 6062				1,0	W20SR-U	3076			
60 HP - 6063				1,0	W20SR-U	3076			
75 HP - 6064				1,0	W20SR-U	3076			
75 HP - 6065				1,0	W20SR-U	3076			
75 HP - 6074				1,0	W20SR-U	3076			
75 HP - 6075				1,0	W20SR-U	3076			
75 HP - 6076				1,0	W20SR-U	3076			
75 HP - 6077				1,0	W20SR-U	3076			
75.2 HP - 6072				1,0	W20SR-U	3076			
75.2 HP - 6073				1,0	W20SR-U	3076			
EMERALD BAY									
50 HP - BANSHEE XS	> 96	W24ES-U	4030	0,9	W24ESR-U	4033	IW24	5316	
80 HP - BANSHEE XS	> 96	W24ES-U	4030	0,9	W24ESR-U	4033	IW24	5316	
ESKA									
1.2 HP - MAGNETO	77 > 78	W14-U	6008	0,6	W20SR-U	3076			
1.6 HP	> 87	W14M-U	6015	0,6	W14MR-U	6019			
2.5 HP	77 > 78	W14-U	6008	0,6					
2.5 HP	79 >	W20M-US	6036	0,6	W20MR-U	6025			
3.0 HP	75 > 80			0,8	W16PR-U	3037			
3.5 HP	70 > 74			0,9	W16PR-U	3037			
3.5 HP	77 > 84			0,8	W16PR-U	3037			
4.0 HP	77 > 78			0,8	W16PR-U	3037			
4.5 HP	75 > 76			0,8	W16PR-U	3037			
5.0 HP	70 > 74			0,9	W16PR-U	3037			
5.0 HP	77 > 86			0,8	W16PR-U	3037			
5.5 HP	75 > 76			0,8	W16PR-U	3037			
6.0 HP	> 63			0,8	W20SR-U	3076			







		Standard			R	Alternative		
								
ESKA continued								
7.0 HP	> 67			0,8	W20SR-U	3076		
7.0 HP	> 68			0,8	W20SR-U	3076		
7.0 HP	> 69			0,8	W20PR-U	5046		
7.5 HP	73 > 86			0,8	W16PR-U	3037		
9.5 HP	70 > 74			0,8	W16PR-U	3037		
9.9 HP	75 > 86			0,8	W16PR-U	3037		
14 HP	70 > 74			0,8	W16PR-U	3037		
15 HP	75 > 86			0,8	W16PR-U	3037		
100	69 >	W20S-U	3075	0,8	W20SR-U	3076		
200	70 > 74			0,8	W16PR-U	3037		
300	71 >			0,8	W16PR-U	3037		
1707	70 > 74			0,8	W20PR-U	5046		
1747	70 > 74			0,8	W20PR-U	5046		
1777	70 > 74			0,8	W20PR-U	5046		
1790	70 > 74			0,8	W20PR-U	5046		
EVINRUDE								
1.0 HP - 1R	68 > 70	W20S-U	3075	0,8	W20SR-U	3076		
1.1 HP	46 > 47	W14L	6013	0,8				
1.2 HP - MAGNETO	86 > 90	W20S-U	3075	0,8	W20SR-U	3076		
1.5 HP	68 > 70	W20S-U	3075	0,8	W20SR-U	3076		
2.0 HP	91 >	W20FP-U	3068	0,8	W20FPR-U	3070	IWF20	5378
2.0 HP - 1-CYL.	91 > 98			0,8	W20FPR-U	3070	IWF20	5378
2.0 HP - 2R	71 > 84	W20S-U	3075	0,8	W20SR-U	3076		
2.0 HP - AQUANAUT DIVING UNIT	66 > 70	W14M-U	6015	0,8	W14MR-U	6019		
2.0 HP - COMMERCIAL	00 > 01			0,8	W22FSR	4024	IWF22	5379
2.0 HP - JR., COLT	71 > 90	W20S-U	3075	0,8	W20SR-U	3076		
2.0 HP - ULTRA /EXCEL 4	87 > 88	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
2.3 HP	91 > 97			0,8	W20FPR-U	3070	IWF20	5378
2.3 HP	98 > 99			0,8	W22FSR	4024	IWF22	5379
2.3 HP - 1 CYL. - 78CC	91 >	W20FP-U	3068	0,7	W20FPR-U	3070	IWF20	5378
2.5 HP	87 > 88			0,8	W22FSR	4024	IWF22	5379
2.5 HP	87 > 88	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
3.0 HP	52 > 68	W20S-U	3075	0,7	W20SR-U	3076		
3.0 HP	52 > 68	W20S-U	3075	0,8	W20SR-U	3076		
3.0 HP - 2-CYL.	89 > 97			0,8	W20FSR-U	6053	IWF22	5379
3.0 HP - LIGHTWIN	52 > 74	W20S-U	3075	0,8	W20SR-U	3076		
3.3 HP	48 > 51	W20S-U	3075	0,8	W20SR-U	3076		
3.3 HP - 1-CYL.	91 > 03			0,8	W20FPR-U	3070	IWF20	5378
3.3 HP - 1 CYL. - 78CC	91 >	W20FP-U	3068	0,8	W20FPR-U	3070	IWF20	5378
3.4 HP - YACHTWIN	64 > 74	W20S-U	3075	0,8	W20SR-U	3076		
3.6 HP	85 > 86			0,8	W22FSR	4024	IWF22	5379
4.0 HP	75 > 77	W20S-U	3075	0,7	W20SR-U	3076		
4.0 HP	77 > 87			0,8	W20FSR-U	6053	IWF22	5379
4.0 HP	81 > 84			0,8	W22FSR	4024	IWF22	5379
4.0 HP - 4R, 4W	69 > 76	W20S-U	3075	0,8	W20SR-U	3076		
4.0 HP CDI J4R / J4RDH / X4RL	88 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
4.0 HP - V4, V4A, V4M	58 > 67	W20S-U	3075	0,8	W20SR-U	3076		
4.0 HP - V4S, VX, VXH	58 > 67	W20S-U	3075	0,8	W20SR-U	3076		
4.0 HP - ULTRA, EXCEL	87 > 88			0,8	W22FSR	4024	IWF22	5379
4.0 HP - YACHTWIN	64 > 74	W20S-U	3075	0,8	W20SR-U	3076		
4.5 HP	80 > 85			0,8	W20FSR-U	6053	IWF22	5379
4.5 HP	80 > 85	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
5.0 HP	65 > 68	W20S-U	3075	0,7	W20SR-U	3076		
5.0 HP	83 > 90	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
5.0 HP	90 > 93			1,0	W22FSR	4024	IWF22	5379
5.0 HP - 128CC, 4-STROKE 5	97 >	X20FS-U	4078	0,6	X20FSR-U	4080		
5.2 HP - LIGHTWIN	52 > 74	W20S-U	3075	0,8	W20SR-U	3076		
5.5 HP	56 > 64	W20S-U	3075	0,8	W20SR-U	3076		
5.5 HP	56 > 74	W20S-U	3075	0,7	W20SR-U	3076		
5.5 HP - FISHERMAN	56 > 74	W20S-U	3075	0,8	W20SR-U	3076		
6.0 HP	65 > 76	W20S-U	3075	0,7	W20SR-U	3076		
6.0 HP	65 > 76	W20S-U	3075	0,8	W20SR-U	3076		
6.0 HP	75 > 76	W20S-U	3075	0,8	W20SR-U	3076		
6.0 HP	77 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
6.0 HP	78 > 93	SF-50	6001					
6.0 HP - 2 STROKE	77 > 98			0,8	W20FSR-U	6053	IWF22	5379
6.0 HP - 4 STROKE OHC 128CC	97 > 03	X20FS-U	4078	0,7	X20FSR-U	4080		
6.0 HP - 6R, 6RL	71 > 76	W20S-U	3075	0,8	W20SR-U	3076		









		Standard				Alternative		
								
EVINRUDE <i>continued</i>								
6.0 HP - FISHERMAN	56 > 74	W20S-U	3075	0,8	W20SR-U	3076		
6.5 HP	84 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
6.5 HP - COMMERCIAL	81 > 93			0,8	W20FSR-U	6053	IWF22	5379
7.0 HP - FLEETWIN	80 > 93	SF-50	6001					
7.5 HP	52 > 58	W20S-U	3075	0,8	W20SR-U	3076		
7.5 HP	77 > 97			0,8	W20FSR-U	6053	IWF22	5379
7.5 HP - 7RST	80 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
8.0 HP - 2 CYL, 211CC, 4-STROKE 8	95 >	X20FS-U	4078	0,7	X20FSR-U	4080		
8.0 HP - 2 STROKE	77 > 98			0,8	W20FSR-U	6053	IWF22	5379
8.0 HP - 4 STROKE OHC 211CC	96 > 03	X20FS-U	4078	0,8	X20FSR-U	4080		
8.0 HP - COMMERCIAL	77 > 98			0,8	W20FSR-U	6053	IWF22	5379
8.0 HP - SAILMASTER		W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
8.0 HP - YACHTWIN 8	84 > 85	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
9.0 HP - 9R, 9RL, 9EL	> 74			0,8	W22FSR	4024	IWF22	5379
9.5 HP	52 > 73	W20S-U	3075	0,8	W20SR-U	3076		
9.5 HP - SPORTWIN	56 > 73	W20S-U	3075	0,8	W20SR-U	3076		
9.7 HP	42 > 49	MW17	5088	0,8				
9.9 HP	74 > 76	W22FS-U	4025	0,8			IWF22	5379
9.9 HP	77 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
9.9 HP - 2 CYL. 255CC, 4-STROKE 9.9	95 >			0,8	XU22EPR-U	3179	IXU22	5308
9.9 HP - 2 CYL.305CC 9.9	03 >			0,9	XU20EPR-U	3178	IXU22	5308
9.9 HP - 2 STROKE	77 > 01			0,8	W22FSR	4024	IWF22	5379
9.9 HP - 4 STROKE 211CC	96 > 98	X20FS-U	4078	0,7	X20FSR-U	4080		
9.9 HP - 4 STROKE OHC 302CC	02 > 03			0,8	XU22EPR-U	3179	IXU22	5308
9.9 HP - 4 STROKE OHC 305CC	95 > 03			0,8	XU22EPR-U	3179	IXU22	5308
9.9 HP - 211CC, 4-STROKE 9.9 (L=12.7MM THREAD)	96 > 98			0,7	X20FSR-U	4080		
9.9 HP - SAILDRIVE	81 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
10 HP	52 > 63	W20S-U	3075	0,8	W20SR-U	3076		
10 HP	56 > 73	W20S-U	3075	0,7	W20SR-U	3076		
10 HP - 10E, 10EL	75 > 76			0,8	W22FSR	4024	IWF22	5379
10 HP - 10R, 10RL	75 > 76			0,8	W22FSR	4024	IWF22	5379
10 HP - COMMERCIAL	92 > 93			0,8	W22FSR	4024	IWF22	5379
10 HP - COMMERCIAL	94 > 03			0,8	W22FSR	4024	IWF22	5379
10 HP - SPORTWIN	56 > 73	W20S-U	3075	0,8	W20SR-U	3076		
14 HP	50 > 72	W20S-U	3075	0,8	W20SR-U	3076		
14 HP	88 > 89			0,8	W22FSR	4024	IWF22	5379
14 HP - COMMERCIAL	81 > 91			0,8	W22FSR	4024	IWF22	5379
15 HP	56 > 58	W20S-U	3075	0,8	W20SR-U	3076		
15 HP	74 > 76	W22FS-U	4025	0,8			IWF22	5379
15 HP	77 > 92			0,8	W22FSR	4024	IWF22	5379
15 HP	77 > 93	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
15 HP - 2 CYL. 305CC 15	95 >			0,8	XU22EPR-U	3179	IXU22	5308
15 HP - 2 STROKE	94 > 98			0,8	W22FSR	4024	IWF22	5379
15 HP - 4 STROKE OHC 305CC	95 > 03			0,8	XU22EPR-U	3179	IXU22	5308
15 HP - 15E, 15EL, 15R, 15RL	74 > 76			0,8	W22FSR	4024	IWF22	5379
15 HP - COMMERCIAL	92 > 93			0,8	W22FSR	4024	IWF22	5379
15 HP - COMMERCIAL	94 > 01			0,8	W22FSR	4024	IWF22	5379
15 HP - E15XP / J15GT / COMMERCIAL.	88 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
15 HP - SAILDRIVE	89 > 93	W22FP-U	4021	0,7	W22FPR-U	4022	IWF22	5379
18 HP	50 > 72	W20S-U	3075	0,8	W20SR-U	3076		
18 HP	57 > 73	W20S-U	3075	0,8	W20SR-U	3076		
18 HP - FASTWIN	57 > 73	W20S-U	3075	0,7	W20SR-U	3076		
18 HP - FASTWIN	57 > 73	W24S-U	4040	0,8				
18 HP - JET 2-CYL.	95 > 98			0,8	W22FSR	4024	IWF22	5379
20 HP	66 > 73	W24S-U	4040	0,7				
20 HP	81 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
20 HP - EVINRUDE 20	78 > 93	SF-50	6001					
25 HP	> 77			0,8	W22FSR	4024	IWF22	5379
25 HP	52 > 55	W20S-U	3075	0,8	W20SR-U	3076		
25 HP	69 > 76	W20S-U	3075	0,8	W20SR-U	3076		
25 HP	75 > 76	W20S-U	3075	0,7	W20SR-U	3076		
25 HP	77 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
25 HP	78 > 93	W27FS-U	4052	0,7	W27FSR	4054	IWF27	5381
25 HP - 2 CYL.	77 > 98			0,8	W22FSR	4024	IWF22	5379
25 HP - 4 STROKE	00 > 01			0,8	XU22EPR-U	3179	IXU22	5308
25 HP - 20R, 25R	69 > 72	W20S-U	3075	0,8	W20SR-U	3076		
25 HP - 20RL, 25RL	71 > 72	W20S-U	3075	0,8	W20SR-U	3076		
25 HP - 25E, 25EL	72 > 76	W20S-U	3075	0,8	W20SR-U	3076		










		Standard				Alternative			
									
EVINRUDE <i>continued</i>									
25 HP - 25R, 25RL	73 > 76	W20S-U	3075	0,8	W20SR-U	3076			
25 HP - BIGWIN	51 > 70	W24S-U	4040	0,8					
25 HP - EVINRUDE 25	78 > 93			0,8	W22FSR	4024	IWF22	5379	
25 HP - SPORTSTER	60 > 74	W24S-U	4040	0,7					
28 HP	62 > 64	W20S-U	3075	0,8	W20SR-U	3076			
28 HP	62 > 64	W24S-U	4040	0,7					
28 HP	78 > 81	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
28 HP	78 > 97			0,8	W22FSR	4024	IWF22	5379	
28 HP - 28 JET	92 > 03			0,8	W24FPR-U10	6058	IWF24	5380	
30 HP	00 > 03			0,8	XU22EPR-U	3179	IXU22	5308	
30 HP	56 >	W20S-U	3075	0,7	W20SR-U	3076			
30 HP	56 > 71	W20S-U	3075	0,8	W20SR-U	3076			
30 HP	78 > 96	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
30 HP	78 > 98			0,8	W22FSR	4024	IWF22	5379	
30 HP - BIGWIN	51 > 70	W24S-U	4040	0,8					
33 HP	65 > 71	W20S-U	3075	0,8	W20SR-U	3076			
35 HP	> 76			0,8	W22FSR	4024	IWF22	5379	
35 HP	57 > 58	W20S-U	3075	0,7	W20SR-U	3076			
35 HP	59 >	W24S-U	4040	0,7					
35 HP	77 > 78	W27FS-U	4052	0,7	W27FSR	4054	IWF27	5381	
35 HP	78 > 93	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
35 HP	93 > 01			0,8	W24FPR-U10	6058	IWF24	5380	
35 HP - 2 CYL.	57 > 59	W20S-U	3075	0,8	W20SR-U	3076			
35 HP - 2 CYL.	95 > 01			0,8	W20FSR-U	6053	IWF22	5379	
35 HP - 4 STROKE	77 > 97			0,8	W22FSR	4024	IWF22	5379	
35 HP - BIGWIN	51 > 70	W24S-U	4040	0,8					
35 HP - JAVALIN / LARK	58 > 59	W24S-U	4040	0,7					
40 HP	56 > 71	W20S-U	3075	0,8	W20SR-U	3076			
40 HP	60 > 73	W20S-U	3075	0,8	W20SR-U	3076			
40 HP	60 > 73	W24S-U	4040	0,7					
40 HP	65 > 71	W20S-U	3075	0,8	W20SR-U	3076			
40 HP	74 > 76	W22FS-U	4025	0,8			IWF22	5379	
40 HP	99 > 03			0,8	XU22EPR-U	3179	IXU22	5308	
40 HP - 2 CYL.	80 > 88	W27FS-U	4052	0,7	W27FSR	4054	IWF27	5381	
40 HP - 3 CYL.	84 > 03	W20S-U	3075	---	W20SR-U	3076			
40 HP - 40E, 40EL, 40R, 40RL	> 74			0,8	W22FSR	4024	IWF22	5379	
40 HP - 40E, 40EL, 40R, 40RL	69 > 73	W24S-U	4040	0,8					
40 HP - 40E, 40EL, 40R, 40RL	75 > 76			0,8	W22FSR	4024	IWF22	5379	
40 HP - 815CC 40	98 >			0,8	XU22EPR-U	3179	IXU22	5308	
40 HP - COMMERCIAL 43 C.I.D.	81 > 90	W22FS-U	4025	0,8			IWF22	5379	
44 HP - R / RD / RL ,4RDH / 4RHD / RHDL	77 > 80	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
45 HP - 2 CYL. COMMERCIAL	86 > 93	SF-24	6038						
45 HP - COMMERCIAL	86 > 90	SF-51	6002	---					
48 HP	80 > 88	SF-50	6001						
48 HP - 2 CYL.	93 >			0,9	W24FPR-U10	6058	IWF24	5380	
50 HP	58 > 59	W20S-U	3075	0,8	W20SR-U	3076			
50 HP	58 > 59	W24S-U	4040	0,7					
50 HP	71 > 75			0,8	W22FSR	4024	IWF22	5379	
50 HP	78 > 79	W22FS-U	4025	0,8			IWF22	5379	
50 HP - 2 CYL.	80 > 88	SF-50	6001	0,8					
50 HP - 2 CYL.	89 > 98			0,8	W24FPR-U10	6058	IWF24	5380	
50 HP - 3 CYL.	95 > 98			0,8	W24FPR-U10	6058	IWF24	5380	
50 HP - 4 STROKE DOHC 815CC	99 > 03			0,8	XU22EPR-U	3179	IXU22	5308	
50 HP - 815CC 50	98 >			0,8	XU22EPR-U	3179	IXU22	5308	
50 HP - LARK	71 > 75	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
55 HP - 2 CYL.	76 > 89	W22FS-U	4025	0,8			IWF22	5379	
55 HP - 2 CYL. - COMMERCIAL	94 > 95			0,8	W24FPR-U10	6058	IWF24	5380	
55 HP - 3 CYL.	68 > 69			0,8	W22FSR	4024	IWF22	5379	
55 HP - SUPER SIX-O	> 71	SF-50	6001	---					
60 HP - 2 CYL.	80 > 85	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
60 HP - 3 CYL.	75 > 93	W27FS-U	4052	0,7	W27FSR	4054	IWF27	5381	
60 HP - 3 CYL. 49 C.I.D.	75 > 89			0,8	W22FSR	4024	IWF22	5379	
60 HP - 3 CYL. 56 C.I.D.	89 > 93			0,8	W22FSR	4024	IWF22	5379	
60 HP - 3 CYL. 56 C.I.D.	94 > 98			0,8	W24FPR-U10	6058	IWF24	5380	
60 HP - 3 CYL. SURF - SIX - O	70 > 71	SF-50	6001						
60 HP - 4 STROKE OHC	02 > 03			0,9	W20EPR-U	3047	IW20	5306	
60 HP - V4	64 > 67	W20S-U	3075	0,8	W20SR-U	3076			
60 HP - TRIUMPH 3 CYL.	70 > 71	SF-50	6001	---					










		Standard				Alternative		
								
EVINRUDE continued								
65 HP	84 > 87	W27FS-U	4052	0,7	W27FSR	4054	IWF27	5381
65 HP - 3 CYL. - COMMERCIAL	94 > 95			0,8	W24FPR-U10	6058	IWF24	5380
65 HP - 3 CYL. TRIUMPH	72 > 73	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
65 HP- COMMERCIAL HC LC	84 > 87			0,8	W22FSR	4024	IWF22	5379
65 HP- CV4 65 JET	92 > 97			0,8	W22FSR	4024	IWF22	5379
65 HP - V4 SPORTFOUR	> 68			0,8	W22FSR	4024	IWF22	5379
65 HP - V-4	68 >	SF-50	6001					
70 HP - 3 CYL.	75 > 93	W27FS-U	4052	0,7	W27FSR	4054	IWF27	5381
70 HP - 3 CYL. 49 C.I.D.	75 > 89			0,8	W22FSR	4024	IWF22	5379
70 HP - 3 CYL. 56 C.I.D.	89 > 93			0,8	W22FSR	4024	IWF22	5379
70 HP - 3 CYL. 56 C.I.D.	94 > 98			0,8	W24FPR-U10	6058	IWF24	5380
70 HP - 4 STROKE OHC 1298CC	98 > 03			0,9	W20EPR-U	3047	IW20	5306
75 HP	01 > 05			0,8	K20TXR	5063	IK20	5304
75 HP	75 > 88	W22FS-U10		0,8			IWF22	5379
75 HP - 1.7V-4 DIRECT INJECTION 75 (FICHT RAM INJ.)	99 >			0,8	PKJ16CR8	3175	IK16	5303
75 HP - 3 CYL.	75 > 93	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
75 HP - V-4	60 > 65	W24S-U	4040	0,7				
80 HP	66 > 67	W20S-U	3075	0,8	W20SR-U	3076		
80 HP	66 > 67	W24S-U	4040	0,7				
80 HP - JET CV4	79 > 98			0,8	W22FSR	4024	IWF22	5379
80 HP - STARFIRE	66 > 67	W24S-U	4040	0,8				
85 HP	68 > 80	W22FS-U	4025	0,8			IWF22	5379
85 HP	73 > 80	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
85 HP	86 > 93			0,8	W22FSR	4024	IWF22	5379
85 HP - V4 BACKROLLER	94 > 95			0,8	W22FSR	4024	IWF22	5379
85 HP - STARFIRE	68 > 72	SF-50	6001					
88 HP	81 > 93	W27FS-U	4052	0,7	W27FSR	4054	IWF27	5381
88 HP - BA / 8R / RL / RSL	83 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
88 HP - SPL CV4	79 > 97			0,8	W22FSR	4024	IWF22	5379
90 HP	01 > 05			0,8	K20TXR	5063	IK20	5304
90 HP	64 > 65	W20S-U	3075	0,8	W20SR-U	3076		
90 HP	64 > 65	W24S-U	4040	0,7				
90 HP	81 > 93	W27FS-U	4052	0,7	W27FSR	4054	IWF27	5381
90 HP - 1.7V-4 DIRECT INJECTION 90 (FICHT RAM INJ.)	99 >			0,8	PKJ16CR8	3175	IK16	5303
90 HP - CV4	79 > 98			0,8	W22FSR	4024	IWF22	5379
90 HP - LV4	95 > 98			0,8	W24FPR-U10	6058	IWF24	5380
90 HP - TURBOJET CV4	94 > 97			0,8	W22FSR	4024	IWF22	5379
100 HP	> 66	W20S-U	3075	0,8	W20SR-U	3076		
100 HP	04 > 05			0,8	K20TXR	5063	IK20	5304
100 HP	66 >	W24S-U	4040	0,7				
100 HP	67 > 68	W27FS-U	4052	0,7	W27FSR	4054	IWF27	5381
100 HP	99 > 01			0,8	W22FSR	4024	IWF22	5379
100 HP - COMMERCIAL /W.M.	84 > 93	SF-50	6001					
100 HP - STARFIRE	67 > 72	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
100 HP - V-4	79 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
105 HP - 105 JET LV6	93 > 03			0,8	W24FPR-U10	6058	IWF24	5380
105 HP - COMMERCIAL LV4	97 > 03			0,8	W24FPR-U10	6058	IWF24	5380
110 HP - CV4	79 > 97			0,8	W22FSR	4024	IWF22	5379
112 HP - CV4	79 > 97			0,8	W22FSR	4024	IWF22	5379
115 HP	04 > 05			0,8	K20TXR	5063	IK20	5304
115 HP	69 > 70	SF-50	6001					
115 HP	69 > 70	W22FS-U	4025	0,8			IWF22	5379
115 HP	73 > 79			0,8	W22FSR	4024	IWF22	5379
115 HP	75 > 81	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
115 HP	86 > 93			0,8	W22FSR	4024	IWF22	5379
115 HP - 1.7V-4 DIRECT INJECTION 115LV4 (FICHT RAM INJ.)	98 >			0,8	PKJ16CR8	3175	IK16	5303
115 HP - COMMERCIAL	75 > 84			0,8	W22FSR	4024	IWF22	5379
115 HP - CV4	79 > 98			0,8	W22FSR	4024	IWF22	5379
115 HP - INTRUDER LV4	95 > 98			0,8	W24FPR-U10	6058	IWF24	5380
115 HP - STARFIRE	73 > 84	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
115 HP - TURBOJET CV4	94 > 98			0,8	W22FSR	4024	IWF22	5379
115 HP - X-115	67 > 68	SF-50	6001	---				
120 HP	85 > 93	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
120 HP - LV 4	85 > 03			0,8	W24FPR-U10	6058	IWF24	5380
125 HP	71 > 72	W22FS-U	4025	0,8			IWF22	5379
130 HP - LV4	85 > 03			0,8	W24FPR-U10	6058	IWF24	5380
135 HP - 2.6V-6 (60°) DIRECT INJECTION 135 (FICHT RAM INJ.)	99 >			0,8	PKJ16CR8	3175	IK16	5303










		Standard					Alternative		
									
EVINRUDE continued									
135 HP - SILVER STARFLITE	74 > 75	SF-50/SF-51	6001/6002						
135 HP - STARFLITE S	73 > 74	SF-50/SF-51	6001/6002						
135 HP - STRANGLER	74 > 75	SF-50/SF-51	6001/6002						
135 HP - V-4	75 > 76	SF-50/SF-51	6001/6002						
140 HP - V-4	77 > 81	SF-50/SF-51	6001/6002						
140 HP - V-4	85 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
150 HP - 2.6V-6 (60°) DIRECT INJECTION 150 (FICHT RAM INJ.)	99 >				0,8	PKJ16CR8	3175	IK16	5303
150 HP - COMMERCIAL L	93 > 98				0,8	W24FPR-U10	6058	IWF24	5380
150 HP - INTRUDER L	91 > 98				0,8	W24FPR-U10	6058	IWF24	5380
150 HP - V-6	78 > 81	SF-50/SF-51	6001/6002						
150 HP - V-6	81 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
155 HP - V-6		SF-50/SF-51	6001/6002						
175 HP - 2.6V-6 (60°) DIRECT INJECTION 175 (FICHT RAM INJ.)	99 >				0,8	PKJ16CR8	3175	IK16	5303
175 HP - CV6	88 > 91				0,8	W22FSR	4024	IWF22	5379
175 HP - INTRUDER LV6	91 > 98				0,8	W24FPR-U10	6058	IWF24	5380
175 HP - V-6	77 > 81	SF-50/SF-51	6001/6002						
175 HP - V-6	81 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
185 HP	77 > 87	SF-24	6038	---					
185 HP	90 > 93	W27FS-U	4052	0,7	W27FSR	4054	IWF27	5381	
185 HP - COMMERCIAL	84 > 87	SF-50/SF-51	6001/6002						
200 HP - 3.3V-6 (90°) DIRECT INJECTION 200 (FICHT RAM INJ.)	01 >				0,8	PKJ16CR8	3175	IK16	5303
200 HP - COMMERCIAL	93 > 98				0,8	W24FPR-U10	6058	IWF24	5380
200 HP - V6	86 > 93				0,8	W22FSR	4024	IWF22	5379
200 HP - V-6	76 > 81	SF-50/SF-51	6001/6002						
200 HP - V-6	81 > 86	SF-50/SF-51	6001/6002						
200 HP - V-6	86 > 89	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
200 HP - VINDICATOR L	94 > 98				0,8	W24FPR-U10	6058	IWF24	5380
225 HP	86 > 93				0,8	W22FSR	4024	IWF22	5379
225 HP - 3.3V-6 (90°) DIRECT INJECTION 225 (FICHT RAM INJ.)	01 >				0,8	PKJ16CR8	3175	IK16	5303
225 HP - V-6	84 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
225 HP - VINDICATOR	94 > 98				0,8	W24FPR-U10	6058	IWF24	5380
235 HP	78 > 85	SF-50/SF-51	6001/6002						
250 HP - 3.3V-6 (90°) DIRECT INJECTION 250 (FICHT RAM INJ.)	01 >				0,8	PKJ16CR8	3175	IK16	5303
250 HP - V8	85 > 98				0,8	W24FPR-U10	6058	IWF24	5380
275 HP	85 > 88				0,8	W24FPR-U10	6058	IWF24	5380
275 HP - V-6		W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
300 HP - V8	85 > 97				0,8	W24FPR-U10	6058	IWF24	5380
1010BA / 10SEL / 10EL	84 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
1010KC / KCL	87 >	SF-50/SF-51	6001/6002						
1010RS / RSE / RSL	83 >	SF-51	6002						
1414RS / RSL / RSV	83 >	SF-51	6002						
3003.6L		W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
7070	98 >				0,8	W20EPR-U	3047	IW20	5306
9060° (LV)	95 >				0,8	W22FPR-U	4022	IWF22	5379
11560° (LV)	95 >				0,8	W22FPR-U	4022	IWF22	5379
125125RWL / WTPL	87 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
2.. / JR. COLT	71 > 90	W20S-U	3075	0,7	W20SR-U	3076			
AIR BOUY DIVING UNIT		W14M-U	6015	0,6	W14MR-U	6019			
CD, JH	54 > 68	W20S-U	3075	0,8	W20SR-U	3076			
FD, FDE	56 > 68	W20S-U	3075	0,8	W20SR-U	3076			
JHF, JWF	67 > 68	W20S-U	3075	0,8	W20SR-U	3076			
JW	52 > 68	W20S-U	3075	0,8	W20SR-U	3076			
LD	65 > 68	W20S-U	3075	0,8	W20SR-U	3076			
MAGNETO	77 > 80	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
MAGNETO	81 > 85	W16FS-U	3034	0,8	W16FSR	3033			










		Standard			R	Alternative		
								
EVINRUDE <i>continued</i>								
MAGNETO	87 >	W16FS-U	3034	0,8	W16FSR	3033		
MQ	64 > 68	W20S-U	3075	0,8	W20SR-U	3076		
Ø18MM	39 > 50	MW17	5088	0,8				
RD, RDE, RDDS, RJE, RK	51 > 68	W20S-U	3075	0,8	W20SR-U	3076		
RX	62 > 68	W20S-U	3075	0,8	W20SR-U	3076		
RXE	65 > 68	W20S-U	3075	0,8	W20SR-U	3076		
SC	> 68	W20S-U	3075	0,8	W20SR-U	3076		
TN, AD, QD, V4H, V4ML	52 > 66	W20S-U	3075	0,8	W20SR-U	3076		
EXPLORER								
3.5 HP	81 > 84			0,8	W20PR-U	5046		
5.0 HP	81 > 84			0,8	W20PR-U	5046		
7.5 HP	81 > 84			0,8	W20PR-U	5046		
9.9 HP	81 > 84			0,8	W20PR-U	5046		
15 HP	81 > 84			0,8	W20PR-U	5046		
FEDERAL								
3.5 HP	71 > 74			0,7	W16PR-U	3037		
5.0 HP	71 > 74			0,7	W16PR-U	3037		
7.0 HP	71 > 74			0,7	W16PR-U	3037		
FIAT NAUTICA								
3.5 HP				0,9	W20FSR-U	6053	IWF22	5379
6.0 HP				0,9	W20FSR-U	6053	IWF22	5379
8.0 HP				0,9	W20FSR-U	6053	IWF22	5379
12.0 HP				0,9	W20FSR-U	6053	IWF22	5379
14.0 HP				0,9	W20FSR-U	6053	IWF22	5379
24.0 HP				0,9	W20FSR-U	6053	IWF22	5379
FIRESTONE								
FEATHERWEIGHT 5	> 66			0,8	W20SR-U	3076		
FISHER PIERCE								
BEARCAT 55				0,8	W20SR-U	3076		
BEARCAT 85				0,8	W24ESR	6068	IW24	5316
FLAMBEAU								
2.5SINGLE		W14-U	6008	0,6				
5DUAL		W14-U	6008	0,6				
FLYING-O								
3.5 HP	68 > 69			0,8	W20SR-U	3076		
5.0 HP	68 > 69			0,8	W20SR-U	3076		
5.0 HP	70 > 74			0,7	W16PR-U	3037		
5.5 HP	> 75			0,7	W16PR-U	3037		
7.0 HP	68 > 69			0,8	W20SR-U	3076		
7.0 HP	70 > 72			0,7	W16PR-U	3037		
7.5 HP	> 73			0,7	W16PR-U	3037		
9.9 HP	73 > 74			0,7	W16PR-U	3037		
15.0 HP	73 > 74			0,7	W16PR-U	3037		
FORCE (U.S. MARINE)								
3.0 HP	90 > 94	W20FP-U10	6037	1,0	W20FPR-U10	3268	IWF20	5378
5	88 > 96	W20FP-U	3068	0,8	W20FPR-U	3070	IWF20	5378
15	90 > 96	W22FP-U	4021	0,8	W22FPR-U	4022	IWF22	5379
33 M		W20FP-U10	6037	1,0	W20FPR-U10	3268	IWF20	5378
40	92 > 96	SF-50	6001					
50 CDI IGN.	89 > 91	SF-50/SF-51	6001/ 6002					
50 CDI IGN.	92 > 93	SF-50	6001					
50 HP	84 > 87	W22FS-U	4025	0,8			IWF22	5379
60	90 > 91	SF-50/SF-51	6001/ 6002					
70	90 > 95	SF-50	6001					
75	90 > 91	SF-50	6001					
85	84 > 89	SF-50/SF-51	6001/ 6002					
90	90 >	SF-50/SF-51	6001/ 6002					
120 HP - W/THUNDERBOLT IGN.	91 > 93	SF-50	6001	---				
120 HP - W/THUNDERBOLT IGN.	94 > 99	SF-50	6001	---				
125	84 > 89	SF-50/SF-51	6001/ 6002					
150	89 > 90	SF-50/SF-51	6001/ 6002					
150	91 >	SF-50	6001					











									
      									
FORCE (U.S. MARINE) continued									
120.. / ELPT	90 >	SF-50	6001						
9.9.. / M	84 >	W20FP-U	3068	0,8	W20FPR-U	3070	IWF20	5378	
90.. / ELPT	91 > 96	SF-50	6001						
FOREMOST									
3.5		W20S-U	3075	0,7	W20SR-U	3076			
9.2		W22S-U	4027	0,7					
FRANCHI									
6		W14-U	6008	0,7					
18		W16LS	3035	0,7					
40		W16LS	3035	0,7					
FURY									
3.5 HP	> 61			0,8	W20SR-U	3076			
GALE									
3.5 HP		W20S-U	3075	0,8	W20SR-U	3076			
5.0 HP		W20S-U	3075	0,8	W20SR-U	3076			
5.5 HP		W20S-U	3075	0,8	W20SR-U	3076			
12 HP		W20S-U	3075	0,8	W20SR-U	3076			
15 HP		W20S-U	3075	0,8	W20SR-U	3076			
25 HP		W20S-U	3075	0,8	W20SR-U	3076			
34 HP		W22S-U	4027	0,8					
35 HP		W22S-U	4027	0,8					
40 HP		W22S-U	4027	0,8					
60 HP		W22S-U	4027	0,8					
GAMBLES									
3.5 HP	> 69			0,8	W20SR-U	3076			
3.5 HP	> 70			0,7	W16PR-U	3037			
5.0 HP	> 69			0,8	W20SR-U	3076			
5.0 HP	> 70			0,7	W16PR-U	3037			
7.0 HP	> 69			0,7	W16PR-U	3037			
GARELLI									
GARI JET		W20FS-U	3073	0,5	W20FSR-U	6053	IWF22	5379	
GRANTS									
3.5 HP	71 > 74			0,9	W16PR-U	3037			
5.0 HP	71 > 74			0,9	W16PR-U	3037			
7.0 HP	71 > 74			0,9	W16PR-U	3037			
7.5 HP	71 > 74			0,9	W16PR-U	3037			
9.9 HP	71 > 74			0,9	W16PR-U	3037			
14 HP	71 > 74			0,9	W16PR-U	3037			
15 HP	71 > 74			0,9	W16PR-U	3037			
GUAZZONI									
GAMBERINO 4.5 PS		W20S-U	3075	0,5	W20SR-U	3076			
HONDA									
2.0 HP - 1 CYL. SV BF 2 (A/AM / L / S)		W14M-U	6015	0,6	W14MR-U	6019			
2.0 HP - BF2A - 1CYL. 4 STROKE SOHV	> 00			0,6	W14MR-U	6019			
2.0 HP - BF2D (– > 1026043) 1CYL. 4 STROKE SIDE VALVE	> 01			0,6	U16FSR-UB	6050			
2.0 HP - BF2D (1026044 – >) 1CYL. 4 STROKE SIDE VALVE	> 99			0,6	U14FSR-UB	6070	IUF14-UB	5389	
2.0 HP - BF20 - 1CYL. 4 STROKE SIDE VALVE	84 > 98			0,6	W14MR-U	6019			
2.0 HP - BF 20 A / 20	85 > 91	X22ES-U	4090	0,6	X22ESR-U	4091	IX22	5371	
2.3 HP - 1 CYL. 57CC OHVBF 2.3				0,6	U16FSR-UB	6050			
2.3 HP - BF2.3				0,6	U16FSR-UB	6050			
3.0 HP		W20FS-U	3073	0,6	W20FSR-U	6053	IWF22	5379	
4.0 HP - GB 40		W20FS-U	3073	0,6	W20FSR-U	6053	IWF22	5379	
4.5 HP - BF 4.5 B (BODENSEE CERT.)		W16EP-U	3018	0,7	W16EPR-U	3021	IW16	5305	
5.0 HP - 1 CYL. OHV BF 5 (AM / L / S)		W16EP-U	3018	0,7	W16EPR-U	3021	IW16	5305	
5.0 HP - BF 5 A / 50	85 > 91	W16EP-U	3018	0,7	W16EPR-U	3021	IW16	5305	
5.0 HP - BF5A - 1CYL. 4 STROKE SOHV				0,7	W16EPR-U	3021	IW16	5305	
5.0 HP - BF50 - 1CYL. 4 STROKE SOHV				0,7	W16EPR-U	3021	IW16	5305	
6.0 HP - BF6CH	> 04			0,9	U16FER9	4222			
7.5 HP - B75 - 2CYL. 4 STROKE SOHC	> 77			0,6	X16FSR-U	4075			
7.5 HP - BF 7.5	81 >			0,6	X16FSR-U	4075			
7.5 HP - BF75 - 2CYL. 4 STROKE SOHC	> 77			0,6	X16FSR-U	4075			
8.0 HP - 2 CYL. 197CC BF 8	01 >			0,8	U16FER9	4222			
8.0 HP - 2 CYL. OHC BF 8 (A / L / S)	87 > 91			0,6	X16FSR-U	4075			
8.0 HP - BF8 - 2CYL. 4 STROKE SOHC	> 00			0,6	X16FSR-U	4075			
8.0 HP - BF8A - 2CYL. 4 STROKE SOHC	> 00			0,6	X16FSR-U	4075			
8.0 HP - BF8D - 2CYL. 4 STROKE SOHC	> 01			0,9	U16FER9	4222			
8.0 HP - BFP8D1 - 2CYL. 4 STROKE SOHC	> 01			0,9	U16FER9	4222			
8.0 HP - BFP8D - 2CYL. 4 STROKE SOHC	> 01			0,9	U16FER9	4222			









		Standard			Alternative			
								
HONDA continued								
9.8 HP - BF100 - 2CYL. 4 STROKE SOHC				0,6	X16FSR-U	4075		
9.9 HP - 2 CYL. OHC BF 9.9 (AM / L / S)				0,6	X16FSR-U	4075		
9.9 HP - 2 CYL. OHC BF 9.9 B (BODENSEE CERT.)				0,6	X16FSR-U	4075		
9.9 HP - BF9.9A - 2CYL. 4 STROKE SOHC	> 00			0,6	X16FSR-U	4075		
9.9 HP - BF9.9D - 2CYL. 4 STROKE SOHC	> 01			0,9	U16FER9	4222		
9.9 HP - BFP9.9D - 2CYL. 4 STROKE SOHC	> 01			0,9	U16FER9	4222		
10 HP - 2 CYL. 222CC BF 10	01 >			0,8	U16FER9	4222		
10 HP - BF 9.9 A	87 >			0,6	X16FSR-U	4075		
10 HP - BF 10	81 > 91			0,6	X16FSR-U	4075		
15 HP - 2 CYL. 4V OHC BF15 (AM / L / S)		X20FS-U	4078	0,7	X20FSR-U	4080		
15 HP - BF15 A	87 >	X20FS-U	4078	0,7	X20FSR-U	4080		
15 HP - BF15A - 2CYL. 4 STROKE SOHC	> 00			0,6	X20FSR-U	4080		
15 HP - BF15D - 2CYL. 4 STROKE SOHC	> 01			0,9	U16FER9	4222		
15 HP - BFP15D - 2CYL. 4 STROKE SOHC	> 01			0,9	U16FER9	4222		
20 HP - BF20D - 2CYL. 4 STROKE SOHC	> 01			0,9	U16FER9	4222		
20 HP - BF 20 F	85 >	W14M-U	6015	0,6	W14MR-U	6019		
20 HP - BFP20D - 2CYL. 4 STROKE SOHC	> 01			0,9	U16FER9	4222		
25 HP - 3 CYL. 6V OHC BF 25 .. / A	94 >	X22ES-U	4090	0,7	X22ESR-U	4091	IX22	5371
25 HP - BF25A - 3CYL. 4 STROKE SOHC				0,7	X22ESR-U	4091	IX22	5371
25 HP - BF25D - 3CYL. 4 STROKE SOHC	> 04			0,7	X22ESR-U	4091	IX22	5371
30 HP - 3 CYL. 6V OHC BF 30 (A)	90 >	X22ES-U	4090	0,7	X22ESR-U	4091	IX22	5371
30 HP - BF30A - 3CYL. 4 STROKE SOHC				0,7	X22ESR-U	4091	IX22	5371
30 HP - BF30D - 3CYL. 4 STROKE SOHC	> 04			0,7	X22ESR-U	4091	IX22	5371
35 HP - BF 35 A	91 >	X22ES-U	4090	0,7	X22ESR-U	4091	IX22	5371
35 HP - BF35A - 3CYL. 4 STROKE SOHC	> 90			0,7	X22ESR-U	4091	IX22	5371
35 HP - BF 35 AM		X22ES-U	4090	0,7	X22ESR-U	4091	IX22	5371
40 HP - 3 CYL.OHC BF 40 B (BODENSEE CERT.)				0,7	X22ESR-U	4091	IX22	5371
40 HP - BF40A - 3CYL. 4 STROKE SOHC	> 94			0,7	X22ESR-U	4091	IX22	5371
45 HP - B 45 (L=12.7MM THREAD)				0,6	X16FSR-U	4075		
45 HP - B45 - 3CYL. 4 STROKES SOHC	> 90			0,6	X16FSR-U	4075		
45 HP - BF 45 (L=19.0MM THREAD)	90 >	X22ES-U	4090	0,7	X22ESR-U	4091	IX22	5371
45 HP - BF 45 A (L=19.0MM THREAD)	91 >	X22ES-U	4090	0,7	X22ESR-U	4091	IX22	5371
45 HP - BF45A - 3CYL. 4 STROKE SOHC				0,7	X22ESR-U	4091	IX22	5371
45 HP - BF 45 AM (L=19.0MM THREAD)		X22ES-U	4090	0,7	X22ESR-U	4091	IX22	5371
50 HP - 3 CYL.OHC BF 50 A	90 >			0,7	X22ESR-U	4091	IX22	5371
50 HP - BF 50	85 > 94			0,7	W16EPR-U	3021	IW16	5305
50 HP - BF50A - 3CYL. 4 STROKE SOHC				0,7	X22ESR-U	4091	IX22	5371
50 HP - BF50F - 3CYL. 4 STROKE SOHC				0,7	W16EPR-U	3021	IW16	5305
75 HP - 4 CYL. 12V 1590CC BF 75 .. / A / AT	90 >			0,7	X22ESR-U	4091	IX22	5371
75 HP - B 75 K (L=12.7MM THREAD)				0,6	X16FSR-U	4075		
75 HP - BF75A - 4CYL. 4 STROKE SOHC	> 03			0,7	X22ESR-U	4091	IX22	5371
90 HP - 4 CYL. 12V 1590CC BF 90 .. / A / AT	90 >			0,7	X22ESR-U	4091	IX22	5371
90 HP - BF90A - 4CYL. 4 STROKE SOHC	> 95			0,7	X22ESR-U	4091	IX22	5371
115 HP - 4 CYL. 16VBEBD BF 115 A	98 >			0,8	KJ22CR-L8	3296	IK22	5310
115 HP - BF115 - 4CYL. 4 STROKE SOHC				0,8	KJ22CR-L8	3296	IK22	5310
130 HP - 4 CYL. 16VBEBE BF 130 A	98 >			0,8	KJ22CR-L8	3296	IK22	5310
130 HP - BF130 - 4CYL. 4 STROKE SOHC				0,8	KJ22CR-L8	3296	IK22	5310
ITALMARINE								
70 HP - 920 25 SIL / SITL				1,0	W22FSR	4024	IWF22	5379
150 HP - OCEAN RUNNER V6		SF-50	6001	---				
175 HP - OCEAN RUNNER V6		SF-50	6001	---				
200 HP - OCEAN RUNNER V6				1,0	W22FSR	4024	IWF22	5379
225 HP - OCEAN RUNNER V6				1,0	W22FSR	4024	IWF22	5379
250 HP - OCEAN RUNNER V6				1,0	W22FSR	4024	IWF22	5379
J.C.PENNY								
3.0 HP	74 > 80			0,7	W16PR-U	3037		
3.5 HP	78 > 80			0,7	W16PR-U	3037		
5.0 HP	> 79			0,7	W16PR-U	3037		
5.5 HP	74 > 78			0,7	W16PR-U	3037		
7.5 HP	74 > 79			0,7	W16PR-U	3037		
9.9 HP	75 > 79			0,7	W16PR-U	3037		
15.0 HP	75 > 78			0,7	W16PR-U	3037		
J.L.O.								
AQUASCOOTER		W20FS-U	3073	0,5	W20FSR-U	6053	IWF22	5379
L-35		W20FS-U	3073	0,5	W20FSR-U	6053	IWF22	5379
JOHNSON								
1.0 HP - 1R	68 > 70	W20S-U	3075	0,8	W20SR-U	3076		
1.1 HP	46 > 47	W14L	6013	0,8				










		Standard				Alternative			
									
JOHNSON <i>continued</i>									
1.2 HP - MAGNETO	86 > 90	W20S-U	3075	0,8	W20SR-U	3076			
1.5 HP	68 > 70	W20S-U	3075	0,8	W20SR-U	3076			
2.0 HP	68 > 70	W20S-U	3075	0,8	W20SR-U	3076			
2.0 HP - 1-CYL.	91 > 01			0,8	W20FPR-U	3070	IWF20	5378	
2.0 HP - 2R	71 > 84	W20S-U	3075	0,8	W20SR-U	3076			
2.0 HP - AQUANAUT DIVING UNIT	66 > 70	W14M-U	6015	0,8	W14MR-U	6019			
2.0 HP - COLT, JR	71 > 90	W20S-U	3075	0,8	W20SR-U	3076			
2.0 HP - EXCEL 4, ULTRA	87 > 88	W22FS-U	4025	0,8			IWF22	5379	
2.3 HP - 1-CYL.	91 > 98			0,8	W20FPR-U	3070	IWF20	5378	
2.5 HP	87 > 88			0,8	W20FSR-U	6053	IWF22	5379	
3.0 HP	52 > 68	W20S-U	3075	0,8	W20SR-U	3076			
3.0 HP - 2-CYL.	89 > 97			0,8	W20FSR-U	6053	IWF22	5379	
3.0 HP - LIGHTWIN	52 > 74	W20S-U	3075	0,8	W20SR-U	3076			
3.3 HP	48 > 51	W20S-U	3075	0,8	W20SR-U	3076			
3.3 HP - 1-CYL.	91 > 03			0,8	W20FPR-U	3070	IWF20	5378	
3.5 HP	04 > 05	W22FP-U	4021	0,5	W22FPR-U	4022	IWF22	5379	
3.6 L	85 > 86			0,8	W22FSR-U	4024	IWF22	5379	
4.0 HP	> 88			0,8	W22FSR-U	4024	IWF22	5379	
4.0 HP	04 > 05			0,9	W20EPR-U	3047	IW20	5306	
4.0 HP	69 > 76	W20S-U	3075	0,8	W20SR-U	3076			
4.0 HP	77 > 87			0,8	W20FSR-U	6053	IWF22	5379	
4.0 HP	81 > 84			0,8	W22FSR-U	4024	IWF22	5379	
4.0 HP - 2-CYL.	89 > 03			0,8	W20FSR-U	6053	IWF22	5379	
4.0 HP - 4R, 4W	69 > 76	W20S-U	3075	0,8	W20SR-U	3076			
4.0 HP - EXCEL, ULTRA	87 > 88			0,8	W22FSR-U	4024	IWF22	5379	
4.0 HP - V4, V4A, V4M	58 > 67	W20S-U	3075	0,8	W20SR-U	3076			
4.0 HP - V4S, VX, VXH	58 > 67	W20S-U	3075	0,8	W20SR-U	3076			
4.0 HP - R / 4W	69 > 76	W20S-U	3075	0,7	W20SR-U	3076			
4.5 HP	79 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
4.5 HP	80 > 85			0,8	W20FSR-U	6053	IWF22	5379	
5.0 HP	04 > 05			0,9	W20EPR-U	3047	IW20	5306	
5.0 HP	90 > 97			0,8	W20FSR-U	6053	IWF22	5379	
5.0 HP - 1-CYL.	98 > 01			0,8	W22FSR-U	4024	IWF22	5379	
5.0 HP - 4 STROKE	97 > 03	X20FS-U	4078	0,7	X20FSR-U	4080			
5.0 HP - 4 -STROKE	97 > 98			0,7	X20FSR-U	4080			
5.0 HP - ANGLER	65 > 68	W20S-U	3075	0,8	W20SR-U	3076			
5.2 HP - LIGHTWIN	52 > 74	W20S-U	3075	0,8	W20SR-U	3076			
5.5 HP	56 > 64	W20S-U	3075	0,8	W20SR-U	3076			
6.0 HP	> 05			0,9	W20EPR-U	3047	IW20	5306	
6.0 HP	65 > 76	W20S-U	3075	0,8	W20SR-U	3076			
6.0 HP	77 > 79	SF-51	6002						
6.0 HP	81 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
6.0 HP - (STANDARD)		W27FS-U	4052	0,7	W27FSR-U	4054	IWF27	5381	
6.0 HP - 2 STROKE	77 > 01			0,8	W20FSR-U	6053	IWF22	5379	
6.0 HP - 4 STROKE	97 > 03	X20FS-U	4078	0,7	X20FSR-U	4080			
6.0 HP - 4-STROKE 1 CYL. SOHC	97 > 98			0,7	X20FSR-U	4080			
6.0 HP - 6R, 6RL	71 > 76	W20S-U	3075	0,8	W20SR-U	3076			
6.0 HP - R / 6RL	69 > 76	W20S-U	3075	0,7	W20SR-U	3076			
6.0 HP - RLSRS, RRSRS	> 04			0,8	W20FSR-U	6053	IWF22	5379	
6.5 HP	84 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
6.5 HP - COM	81 > 93			0,8	W20FSR-U	6053	IWF22	5379	
7.5 HP	52 > 58	W20S-U	3075	0,8	W20SR-U	3076			
7.5 HP	77 > 97			0,8	W20FSR-U	6053	IWF22	5379	
7.5 HP - RST	80 > 81	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
8.0 HP	> 05			0,8	W20FSR-U	6053	IWF22	5379	
8.0 HP	83 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
8.0 HP - 2 STROKE	77 > 01			0,8	W20FSR-U	6053	IWF22	5379	
8.0 HP - 4 STROKE	96 > 98			0,7	X20FSR-U	4080			
8.0 HP - 4 STROKE	96 > 98	X20FS-U	4078	0,7	X20FSR-U	4080			
8.0 HP - 4 STROKE 211CC	96 > 03	X20FS-U	4078	0,7	X20FSR-U	4080			
8.0 HP - COM	77 > 01			0,8	W20FSR-U	6053	IWF22	5379	
8.0 HP - RLSRC, RSRC	> 04			0,8	W20FSR-U	6053	IWF22	5379	
8.0 HP - SAILMASTER		W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
9.0 HP - (STANDARD)		W27FS-U	4052	0,7	W27FSR-U	4054	IWF27	5381	
9.0 HP - 9R, 9RL, 9EL	> 74			0,8	W22FSR-U	4024	IWF22	5379	
9.0 HP - R / 9RL	70 > 73	W20S-U	3075	0,7	W20SR-U	3076			
9.0 HP - SAILMASTER		W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
9.5 HP	52 > 73	W20S-U	3075	0,8	W20SR-U	3076			

		Standard				Alternative		
								
JOHNSON <i>continued</i>								
9.5 HP	56 > 73	W20S-U	3075	0,7	W20SR-U	3076		
9.7 HP	42 > 49	MW17	5088	0,8				
9.9 HP	74 > 76	W22FS-U	4025	0,8			IWF22	5379
9.9 HP	77 > 79	SF-51	6002					
9.9 HP	80 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
9.9 HP - 2 STROKE OHC	77 > 01			0,8	W22FSR	4024	IWF22	5379
9.9 HP - 2 STROKE SOHC	02 > 04			0,8	XU22EPR-U	3179	IXU22	5308
9.9 HP - 4 STROKE OHC (305CC)	95 > 04			0,8	XU22EPR-U	3179	IXU22	5308
9.9 HP - 4 STROKE OHC 302CC	02 > 04			0,8	XU22EPR-U	3179	IXU22	5308
9.9 HP - SAILDRIVE / SAILMASTER	81 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
10 HP	56 > 73	W20S-U	3075	0,7	W20SR-U	3076		
12 HP - (STANDARD)		W27FS-U	4052	0,7	W27FSR	4054	IWF27	5381
14 HP	88 > 89			0,8	W22FSR	4024	IWF22	5379
14 HP - COM	81 > 91			0,8	W22FSR	4024	IWF22	5379
14 HP - FASTWIN	50 > 72	W20S-U	3075	0,8	W20SR-U	3076		
15 HP		SF-51	6002					
15 HP	> 05			0,8	K20PR-U	3145		
15 HP	> 06			0,8	W22FSR	4024	IWF22	5379
15 HP	56 > 58	W20S-U	3075	0,8	W20SR-U	3076		
15 HP	56 > 71	W20S-U	3075	0,8	W20SR-U	3076		
15 HP	74 > 76	W22FS-U	4025	0,8			IWF22	5379
15 HP	77 > 92			0,8	W22FSR	4024	IWF22	5379
15 HP	78 > 80	SF-51	6002	---				
15 HP	80 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
15 HP - 2 STROKE	94 > 01			0,8	W22FSR	4024	IWF22	5379
15 HP - 4 STROKE OHC	95 > 03			0,8	XU22EPR-U	3179	IXU22	5308
15 HP - 15E, 15EL, 15R, 15RL	74 > 76			0,8	W22FSR	4024	IWF22	5379
15 HP - COM	92 > 93			0,8	W22FSR	4024	IWF22	5379
15 HP - COM	94 > 01			0,8	W22FSR	4024	IWF22	5379
15 HP - L4SR, R4SR, TE4SR, TEL4SR	> 04			0,9	XU20EPR-U	3178	IXU22	5308
15 HP - LSRS, RSRS, WRLSRM, WRSRM	> 04			0,8	W22FSR	4024	IWF22	5379
15 HP - SAILDRIVE	74 > 79	W22FP-U	4021	0,7	W22FPR-U	4022	IWF22	5379
18 HP	57 > 73	W20S-U	3075	0,8	W20SR-U	3076		
18 HP - FASTWIN	50 > 72	W20S-U	3075	0,8	W20SR-U	3076		
18 HP - FASTWIN	57 > 73	W24S-U	4040	0,8				
18 HP - JET 2 CYL.	95 > 98			0,8	W22FSR	4024	IWF22	5379
20 HP	66 > 73	W20S-U	3075	0,8	W20SR-U	3076		
20 HP	78 > 93			0,8	W22FSR	4024	IWF22	5379
20 HP	81 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
20 HP - 2 CYL.	78 > 98			0,8	W22FSR	4024	IWF22	5379
20 HP - 20R, 20RL	> 73	W20S-U	3075	0,8	W20SR-U	3076		
20 HP - 20R, 25R	69 > 72	W20S-U	3075	0,8	W20SR-U	3076		
20 HP - 20RL, 25RL	71 > 72	W20S-U	3075	0,8	W20SR-U	3076		
20 HP - JET - 2 CYL.	99 > 01			0,8	W22FSR	4024	IWF22	5379
20 HP - R/ 20RL	73 >	W20S-U	3075	0,7	W20SR-U	3076		
22 HP - R	71 > 81	W20S-U	3075	0,7	W20SR-U	3076		
22 HP - R	71 > 90	W20S-U	3075	0,7	W20SR-U	3076		
25 HP	77 > 86	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
25 HP - (STANDARD)		W27FS-U	4052	0,7	W27FSR	4054	IWF27	5381
25 HP - E / 25EL	72 >	W20S-U	3075	0,7	W20SR-U	3076		
25 HP - E / 25EL / 25R / 25RL	75 > 76	W20S-U	3075	0,7	W20SR-U	3076		
25 HP - R / 25RL	69 > 72	W20S-U	3075	0,7	W20SR-U	3076		
28 HP	62 > 64	W20S-U	3075	0,8	W20SR-U	3076		
28 HP - 28 JET	92 > 03			0,8	W24FPR-U10	6058	IWF24	5380
28 HP - SPL 2 CYL.	78 > 97			0,8	W22FSR	4024	IWF22	5379
30 HP	04 > 05			0,8	W22FSR	4024	IWF22	5379
30 HP - 2 CYL.	78 > 02			0,8	W22FSR	4024	IWF22	5379
30 HP - 4 STROKE OHC	95 > 03			0,8	XU22EPR-U	3179	IXU22	5308
30 HP - JET 2 CYL.	99 > 01			0,8	W22FPR-U	4022	IWF22	5379
33 HP	69 > 70	W20S-U	3075	0,8	W20SR-U	3076		
33 HP - BR	82 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
35 HP	77 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
35 HP - 2 CYL.	77 > 97			0,8	W22FSR	4024	IWF22	5379
35 HP - 3 CYL.	95 > 01			0,8	W22FSR	4024	IWF22	5379
35 HP - JET 2 CYL.	93 > 03			0,8	W24FPR-U10	6058	IWF24	5380
40 HP	> 05			0,9	XU20EPR-U	3178	IXU22	5308
40 HP	60 > 73	W20S-U	3075	0,8	W20SR-U	3076		
40 HP	74 > 76	W22FS-U	4025	0,8			IWF22	5379










		Standard				Alternative		
								
JOHNSON <i>continued</i>								
40 HP	81 > 83	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
40 HP	83 >	SF-51	6002					
40 HP - 2 CYL.	80 > 88			0,8	W22FSR	4024	IWF22	5379
40 HP - 2 CYL.	89 > 02			0,8	W24FPR-U10	6058	IWF24	5380
40 HP - 4 STROKE DOHC	02 > 04			0,8	XU22EPR-U	3179	IXU22	5308
40 HP - 40E, 40EL, 40R, 40RL	> 74			0,8	W22FSR	4024	IWF22	5379
40 HP - 40E, 40EL, 40R, 40RL	69 > 73	W20S-U	3075	0,8	W20SR-U	3076		
40 HP - 40E, 40EL, 40R, 40RL	75 > 76			0,8	W22FSR	4024	IWF22	5379
40 HP - COM 43 C.I.D.	81 > 90	W22FS-U	4025	0,8			IWF22	5379
40 HP - E / 40R / 40EL / 40RL	71 > 73	W20S-U	3075	0,7	W20SR-U	3076		
40 HP - JET 3 CYL.	99 > 01			0,8	W22FPR-U	4022	IWF22	5379
40 HP - NORSEMAN	72 > 73	W20S-U	3075	0,7	W20SR-U	3076		
40 HP - PL4SRM, PL4SRS	> 04			0,9	XU20EPR-U	3178	IXU22	5308
40 HP - PLSRS, RLSRS, RSRS	> 04			0,8	W22FSR	4024	IWF22	5379
44 HP - R / RD / 4RL / 4RDH	85 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
48 HP - 2 CYL.	80 > 88			0,8	W22FSR	4024	IWF22	5379
48 HP - 2CYL.	89 > 97			0,8	W24FPR-U10	6058	IWF24	5380
48 HP - SPL 2 CYL.	94 > 97			0,8	W24FPR-U10	6058	IWF24	5380
50 HP	> 05			0,9	XU20EPR-U	3178	IXU22	5308
50 HP	58 > 59	W20S-U	3075	0,8	W20SR-U	3076		
50 HP	71 > 80	SF-51	6002					
50 HP	81 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
50 HP - 2 CYL.	80 > 88			0,8	W22FSR	4024	IWF22	5379
50 HP - 2 CYL.	89 > 02			0,8	W24FPR-U10	6058	IWF24	5380
50 HP - 3 CYL.	95 > 98			0,8	W24FPR-U10	6058	IWF24	5380
50 HP - PL4SRS, PL4SRM	> 04			0,9	XU20EPR-U	3178	IXU22	5308
50 HP - PL4STC	> 03			0,9	XU20EPR-U	3178	IXU22	5308
50 HP - PLSRS	> 04			0,8	W22FSR	4024	IWF22	5379
50 HP - PLSTD	> 03			0,8	W22FSR	4024	IWF22	5379
50 HP - SIZZLER	71 > 75	W22FS-U	4025	0,8			IWF22	5379
55 HP	76 > 86	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
55 HP - 2 CYL.	76 > 89	W22FS-U	4025	0,8			IWF22	5379
55 HP - 3 CYL.	68 > 69			0,8	W22FSR	4024	IWF22	5379
55 HP BF / 5RH	83 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
55 HP - COM 2 CYL.	94 > 95			0,8	W24FPR-U10	6058	IWF24	5380
60 HP	68 > 71	SF-50	6001					
60 HP	80 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
60 HP	99 > 01			0,8	W22FSR	4024	IWF22	5379
60 HP - 2 CYL.	80 > 85			0,8	W22FSR	4024	IWF22	5379
60 HP - 3 CYL. 49 C.I.D.	75 > 89			0,8	W22FSR	4024	IWF22	5379
60 HP - 3 CYL. 56 C.I.D.	89 > 93			0,8	W22FSR	4024	IWF22	5379
60 HP - 3 CYL. 56 C.I.D.	94 > 98			0,8	W24FPR-U10	6058	IWF24	5380
60 HP - 4 STROKE OHC	02 > 05			0,9	W20EPR-U	3047	IW20	5306
60 HP - V4	64 > 67	W20S-U	3075	0,8	W20SR-U	3076		
60 HP - TRIUMPH	70 > 71	SF-50	6001	---				
65 HP	72 > 73	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
65 HP - 3 CYL.	72 > 73			0,8	W22FSR	4024	IWF22	5379
65 HP - 65 JET CV4	92 > 97			0,8	W22FSR	4024	IWF22	5379
65 HP - COM 3CYL.	94 > 95			0,8	W24FPR-U10	6058	IWF24	5380
65 HP - COM HC	85 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
65 HP - COM HC LC	84 > 87			0,8	W22FSR	4024	IWF22	5379
65 HP - V4 SPORTFOUR	> 68			0,8	W22FSR	4024	IWF22	5379
70 HP	02 > 05			0,9	W20EPR-U	3047	IW20	5306
70 HP	74 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
70 HP - 3 CYL. 49 C.I.D.	75 > 89			0,8	W22FSR	4024	IWF22	5379
70 HP - 3 CYL. 56 C.I.D.	89 > 93			0,8	W22FSR	4024	IWF22	5379
70 HP - 3 CYL. 56 C.I.D.	94 > 01			0,8	W24FPR-U10	6058	IWF24	5380
75 HP	75 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
75 HP - V-4	60 > 65	W24S-U	4040	0,7				
80 HP	66 > 67	W20S-U	3075	0,8	W20SR-U	3076		
80 HP - 80 JET CV4	79 > 01			0,8	W22FSR	4024	IWF22	5379
80 HP - STARFIRE	66 > 67	W24S-U	4040	0,8				
85 HP	68 > 80	W22FS-U	4025	0,8			IWF22	5379
85 HP	86 > 93			0,8	W22FSR	4024	IWF22	5379
85 HP - V4 BACKROLLER	94 > 95			0,8	W22FSR	4024	IWF22	5379
85 HP - V-4	73 > 80	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
88 HP - CV4 SPL	79 > 97			0,8	W22FSR	4024	IWF22	5379
90 HP	> 06			0,8	W22FSR	4024	IWF22	5379








		Standard				Alternative			
									
JOHNSON <i>continued</i>									
90 HP	64 > 65	W20S-U	3075	0,8	W20SR-U	3076			
90 HP	64 > 65	W24S-U	4040	0,7					
90 HP	81 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
90 HP - 2-STROKE V-4 LV4 FICHT	98 >			0,8	PKJ16CR8	3175	IK16	5303	
90 HP - CARBURATOR	01 > 02			0,8	W22FSR	4024	IWF22	5379	
90 HP - CV4	79 > 98			0,8	W22FSR	4024	IWF22	5379	
90 HP - GLSOB, PX4SOR	> 05			0,8	K20PR-U	3145			
90 HP - GLSRM, PLSRR, PXSRS	> 04			0,8	W22FSR	4024	IWF22	5379	
90 HP - GLSTA, PLSTC	> 03			0,8	W22FSR	4024	IWF22	5379	
90 HP - LV4	95 > 00			0,8	W24FPR-U10	6058	IWF24	5380	
90 HP - PL4SOR, PLSOA, PXSOC	> 05			0,8	W22FSR	4024	IWF22	5379	
90 HP - PL4SRC, PX4SRC, PL4SRC, PX4SRC	> 04			0,8	K20PR-U	3145			
90 HP - PL4STC, PX4STC, PL4STC, PX4STC	> 03			0,8	K20PR-U	3145			
90 HP - TURBOJET CV4	94 > 98			0,8	W22FSR	4024	IWF22	5379	
100 HP	66 >	W24S-U	4040	0,7					
100 HP	67 > 68	W27FS-U	4052	0,7	W27FSR	4054	IWF27	5381	
100 HP	69 > 72	SF-50	6001						
100 HP - COM	84 > 88	SF-51	6002						
100 HP - V-4	79 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
105 HP - COM LV4	97 > 03			0,8	W24FPR-U10	6058	IWF24	5380	
105 HP - LV6 105 JET	93 > 03			0,8	W24FPR-U10	6058	IWF24	5380	
110 HP	85 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
112 HP - CV4	79 > 97			0,8	W22FSR	4024	IWF22	5379	
115 HP	> 06			0,8	W24FPR-U10	6058	IWF24	5380	
115 HP	69 > 70	W22FS-U	4025	0,8			IWF22	5379	
115 HP	73 > 79			0,8	W22FSR	4024	IWF22	5379	
115 HP	81 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
115 HP	86 > 93			0,8	W22FSR	4024	IWF22	5379	
115 HP - 2-STROKE DIRECT INJECTION LV4 FICHT	98 >			0,8	PKJ16CR8	3175	IK16	5303	
115 HP - COM	75 > 84	W22FS-U	4025	0,8			IWF22	5379	
115 HP - CV4	79 > 98			0,8	W22FSR	4024	IWF22	5379	
115 HP - FAST STRIKE LV4	95 > 02			0,8	W24FPR-U10	6058	IWF24	5380	
115 HP - GLSOB, PLSOR, PXSOR, WPLSOC	> 05			0,8	W24FPR-U10	6058	IWF24	5380	
115 HP - GLSRC, PLSRC, PXSRC, WPLSRS	> 04			0,8	W24FPR-U10	6058	IWF24	5380	
115 HP - GLSTA, PLSTS, PXSTS	> 03			0,8	W24FPR-U10	6058	IWF24	5380	
115 HP - L4SRC, 5X4SRC, PL4SRC, PX4SRC	> 04			0,8	K20PR-U	3145			
115 HP - L4STS, X4STS, PL4STS, PX4STS	> 03			0,8	K20PR-U	3145			
115 HP - PL450R, PX450R	> 05			0,8	K20PR-U	3145			
115 HP - TURBOJET CV4	94 > 98			0,8	W22FSR	4024	IWF22	5379	
115 HP - X-115	67 > 68	SF-50	6001	---					
120 HP		W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
120 HP - LV4	85 > 03			0,8	W24FPR-U10	6058	IWF24	5380	
125 HP - 125 COM	71 > 72	W22FS-U	4025	0,8			IWF22	5379	
130 HP - LV4	85 > 03			0,8	W24FPR-U10	6058	IWF24	5380	
135 HP - V-4	74 > 79	SF-50	6001						
140 HP	03 > 05			0,8	K20PR-U	3145			
140 HP - V-4	77 > 81	SF-50	6001						
140 HP - V-4	85 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381	
150 HP	03 > 06			0,8	W24FPR-U10	6058	IWF24	5380	
150 HP - 2-STROKE DIRECT INJECTION LV6 FICHT	97 >			0,8	PKJ16CR8	3175	IK16	5303	
150 HP - 2-STROKE DIRECT INJECTION LV6 FICHT	98 >			0,8	PKJ16CR8	3175	IK16	5303	
150 HP - CARBURATED	> 02			0,8	W24FPR-U10	6058	IWF24	5380	
150 HP - COM LV6	93 > 98			0,8	W24FPR-U10	6058	IWF24	5380	
150 HP - CV6	88 > 91			0,8	W22FSR	4024	IWF22	5379	
150 HP - FAST STRIKE LV6	91 > 01			0,8	W24FPR-U10	6058	IWF24	5380	
150 HP - V-6	78 > 81	SF-50	6001						
155 HP - COM CV6	89 > 92	SF-24	6038	---					
155 HP - CV6	78 > 87	SF-24	6038	---					
175 HP	99 > 06			0,8	W24FPR-U10	6058	IWF24	5380	
175 HP - 2-STROKE DIRECT INJECTION LV6 FICHT	98 >			0,8	PKJ16CR8	3175	IK16	5303	
175 HP - CV6	88 > 91			0,8	W22FSR	4024	IWF22	5379	
175 HP - FAST STRIKE LV6	91 > 02			0,8	W24FPR-U10	6058	IWF24	5380	
175 HP - V-6	78 >	SF-50	6001						
185 HP	77 > 87	SF-24	6038	---					
185 HP	77 > 87	SF-50/SF-51	6001/ 6002						
185 HP	90 > 93			0,8	W22FSR	4024	IWF22	5379	
185 HP	90 > 93	W27FS-U	4052	0,7	W27FSR	4054	IWF27	5381	








		Standard			Alternative			
								
JOHNSON <i>continued</i>								
200 HP	04 > 05			0,8	K20PR-U	3145		
200 HP	76 > 83	SF-24	6038	---				
200 HP - COM	> 92	SF-24	6038	---				
200 HP - COM	93 > 98			0,8	W24FPR-U10	6058	IWF24	5380
200 HP - V6	86 > 93			0,8	W22FSR	4024	IWF22	5379
200 HP - V-6	76 > 84	SF-50	6001					
200 HP - V-6	85 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
200 HP - VENOM LV6	94 > 03			0,8	W24FPR-U10	6058	IWF24	5380
225 HP	04 > 05			0,8	K20PR-U	3145		
225 HP - V6	86 > 93			0,8	W22FSR	4024	IWF22	5379
225 HP - V-6	84 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
225 HP - VENOM LV6	94 > 01			0,8	W24FPR-U10	6058	IWF24	5380
235 HP - V-6 150	78 > 81	SF-50	6001					
250 HP - V8	85 > 97			0,8	W24FPR-U10	6058	IWF24	5380
275 HP	85 > 88			0,8	W22FPR-U	4022	IWF22	5379
275 HP - V-6		W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
300 HP - V8	85 > 97			0,8	W24FPR-U10	6058	IWF24	5380
1010BA / 10SEL / 10EL	84 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
1010RS / RSE / RSL	83 >	SF-51	6002					
1414RS / RSL / RSV	83 >	SF-51	6002					
2525RS / RSL	87 >	SF-51	6002					
3003.6L		W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
4040BA / 40BE / 40E	84 >	W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
4545RS / RSL	87 >	SF-51	6002					
5555RS / RSL	87 >	SF-51	6002					
125125RLC4R / 125RUC4R / 125RWL / 125WTPL		W27FS-U10	6028	1,0	W27FSR-U10	6055	IWF27	5381
AIR BOUY DIVING UNIT		W14M-U	6015	0,6	W14MR-U	6019		
CD, JH	54 > 68	W20S-U	3075	0,8	W20SR-U	3076		
FD, FDE	56 > 68	W20S-U	3075	0,8	W20SR-U	3076		
JHF, JWF	67 > 68	W20S-U	3075	0,8	W20SR-U	3076		
JUNIOR / COLT	68 > 70	W20S-U	3075	0,7	W20SR-U	3076		
JUNIOR COLT		W20S-U	3075	0,7	W20SR-U	3076		
JW	52 > 68	W20S-U	3075	0,8	W20SR-U	3076		
LD	65 > 68	W20S-U	3075	0,8	W20SR-U	3076		
MQ	64 > 68	W20S-U	3075	0,8	W20SR-U	3076		
Ø 18MM	39 > 50	MW17	5088	0,8				
RD, RDE, RDDS, RJE, RK	51 > 68	W20S-U	3075	0,8	W20SR-U	3076		
RE4STC, TEL4STC	> 03			0,9	XU20EPR-U	3178	IXU22	5308
RX	62 > 68	W20S-U	3075	0,8	W20SR-U	3076		
RXE	65 > 68	W20S-U	3075	0,8	W20SR-U	3076		
SC	> 68	W20S-U	3075	0,8	W20SR-U	3076		
TEL4SOA	> 05			0,8	K20PR-U	3145		
TN, AD, QD, V4H, V4ML	52 > 66	W20S-U	3075	0,8	W20SR-U	3076		
KAWASAKI								
UE30		W22S-U	4027	0,6				
MARINEPOWER								
2.5 HP - 2 STROKE				1,0	W20FPR-U10	3268	IWF20	5378
3.3 HP - 2 STROKE				1,0	W20FPR-U10	3268	IWF20	5378
4 HP - 2 STROKE				1,0	W22FPR-U	4022	IWF22	5379
4 HP - 4 STROKE				0,6	XU20EPR-U	3178	IXU22	5308
5 HP - 2 STROKE				1,0	W22FPR-U	4022	IWF22	5379
5 HP - 4 STROKE				0,8	XU20EPR-U	3178	IXU22	5308
6 HP - 2 STROKE				1,0	W24FPR-U10	6058	IWF24	5380
6 HP - 4 STROKE				0,8	XU20EPR-U	3178	IXU22	5308
8 HP - 2 STROKE				1,0	W24FPR-U10	6058	IWF24	5380
8 HP - 4 STROKE				0,9	X20EPR-U9	4125		
9.9 HP - 2 STROKE				1,5	W24FPR-U10	6058	IWF24	5380
9.9 HP - 4 STROKE				0,9	X20EPR-U9	4125		
10 HP - 2 STROKE				1,5	W24FPR-U10	6058	IWF24	5380
10 HP - SEAPRO MARATHON				1,5	W24FPR-U10	6058	IWF24	5380
15 HP - 2 STROKE				1,5	W24FPR-U10	6058	IWF24	5380
15 HP - 4 STROKE				0,9	X20EPR-U9	4125		
15 HP - SEAPRO MARATHON				1,5	W24FPR-U10	6058	IWF24	5380
20 HP - 2 STROKE				1,0	W24FPR-U10	6058	IWF24	5380
25 HP - 2 STROKE				1,0	W24FPR-U10	6058	IWF24	5380
25 HP - 4 STROKE				0,9	X20EPR-U9	4125		
30 HP - 4 STROKE				0,9	XU22EPR-U	3179	IXU22	5308
30 HP- 4 STROKE				1,0	W24FPR-U10	6058	IWF24	5380









		Standard			Alternative			
								
MARINEPOWER <i>continued</i>								
30 HP - CARBURATOR 4 STROKE				0,9	X20EPR-U9	4125		
40 HP - 2 STROKE				1,0	W24FPR-U10	6058	IWF24	5380
40 HP - CARBURATOR 4 STROKE				0,9	X20EPR-U9	4125		
40 HP - EFI 4 STROKE				0,9	XU22EPR-U	3179	IXU22	5308
45 HP - 4 STROKE	> 01			0,9	X20EPR-U9	4125		
50 HP - 2 STROKE				1,0	W24FPR-U10	6058	IWF24	5380
50 HP - 4 STROKE				0,9	X20EPR-U9	4125		
60 HP - 2 STROKE				1,0	W24FPR-U10	6058	IWF24	5380
60 HP - 4 STROKE	> 01			1,0	W24FPR-U10	6058	IWF24	5380
75 HP - 2 STROKE		SF-51	6002	---				
75 HP - 4 STROKE				1,1	K16HPR-U11	6076	IKH16	5343
75 HP - SEAPRO MARATHON 2 STROKE		SF-51	6002	---				
90 HP - 2 STROKE		SF-51	6002	---				
90 HP - 4 STROKE				1,1	K16HPR-U11	6076	IKH16	5343
100 HP - 2 STROKE				1,0	W24FPR-U10	6058	IWF24	5380
115 HP - 2 STROKE				1,0	W24FPR-U10	6058	IWF24	5380
115 HP - 4 STROKE				1,1	K20HR-U11	3381	IKH20	5344
115 HP - OPTIMAX	> 00			1,1	SKJ16CR-L11	3396	IK16	5303
125 HP - 2 STROKE				1,0	W24FPR-U10	6058	IWF24	5380
135 HP - 2 STROKE	> 99	SF-24	6038	0,7				
135 HP - OPTIMAX				1,1	SKJ16CR-L11	3396	IK16	5303
140 HP - 2 STROKE	> 03			1,0	W24FPR-U10	6058	IWF24	5380
140 HP - 2 STROKE	> 04			1,0	W24FPR-U10	6058	IWF24	5380
150 HP - 2 STROKE	> 03			1,0	W24FPR-U10	6058	IWF24	5380
150 HP - 2 STROKE	> 04			1,0	W24FPR-U10	6058	IWF24	5380
150 HP - 2 STROKE	> 99	SF-24	6038	0,7				
150 HP - OPTIMAX				1,1	SKJ16CR-L11	3396	IK16	5303
175 HP - 2 STROKE	> 03			1,0	W24FPR-U10	6058	IWF24	5380
175 HP - 2 STROKE	> 99	SF-24	6038	0,7				
175 HP - OPTIMAX				1,1	SKJ16CR-L11	3396	IK16	5303
200 HP - 2 STROKE	> 03			1,0	W24FPR-U10	6058	IWF24	5380
200 HP - 2 STROKE	> 04			1,0	W24FPR-U10	6058	IWF24	5380
200 HP - 2 STROKE	> 99	SF-24	6038	0,7				
200 HP - OPTIMAX				1,1	SKJ16CR-L11	3396	IK16	5303
210 HP - 210 JETDRIVE		SF-24	6038	0,8				
210 HP - SPORT JET 175XR		SF-24	6038	0,8				
225 HP - 2 STROKE				0,7	W24FSR	4037	IWF24	5380
225 HP - 4 STROKE	> 04			1,1	K16HPR-U11	6076	IKH16	5343
225 HP - OPTIMAX				1,1	SKJ16CR-L11	3396	IK16	5303
240 HP - JETDRIVE				1,0	W24FPR-U10	6058	IWF24	5380
250 HP - 2 STROKE				0,7	W24FSR	4037	IWF24	5380
MARINER								
2.0 HP - 2A 646		W20FS-U	3073	0,6	W20FSR-U	6053	IWF22	5379
2.0 HP - 2B 6A1 (— > M-011600)		W20FS-U	3073	0,6	W20FSR-U	6053	IWF22	5379
2.0 HP - 2B 6A1 (M-011601— >)		W16FS-U	3034	0,6	W16FSR	3033		
2.5 HP	90 > 02			1,0	W20FPR-U10	3268	IWF20	5378
2.5 HP	90 > 04	W20FP-U10	6037	1,0	W20FPR-U10	3268	IWF20	5378
4.0 HP - 2 STROKE	90 > 92			1,0	W22FPR-U	4022	IWF22	5379
4.0 HP - 4 STROKE	99 > 02			0,9	XU20EPR-U	3178	IXU22	5308
5.0 HP - 2 STROKE	90 > 02			1,0	W22FPR-U	4022	IWF22	5379
5.0 HP - 4 STROKE	99 > 02			0,9	XU20EPR-U	3178	IXU22	5308
6.0 HP	87 > 92			1,0	W24FPR-U10	6058	IWF24	5380
6.0 HP - 2 STROKE	92 > 02			1,0	W24FPR-U10	6058	IWF24	5380
6.0 HP - 4 STROKE	00 > 02			0,9	XU20EPR-U	3178	IXU22	5308
8.0 HP	87 > 92			1,0	W24FPR-U10	6058	IWF24	5380
8.0 HP	93 > 02			1,0	W24FPR-U10	6058	IWF24	5380
8.0 HP - 8 BODENSEE	95 > 99			0,7	U20FSR-U	4004	IUF22	5383
9.9 HP	87 > 94			1,0	W24FPR-U10	6058	IWF24	5380
9.9 HP	95 > 00			1,5	W24FPR-U10	6058	IWF24	5380
9.9 HP - (Ø 12MM THREAD)	99 > 00			0,9	X20EPR-U9	4125		
9.9 HP - 2 CYL. 232CC 9.9 / 9.9 B	94 >			0,7	U20FSR-U	4004	IUF22	5383
9.9 HP - 4 STROKE BIG FOOT, SAIL POWER	95 > 02			0,7	U20FSR-U	4004	IUF22	5383
9.9 HP - 9.9 4 STROKE	99 > 02			0,9	X20EPR-U9	4125		
10 HP - 2 CYL. 262CC MAGNUM 10 / MARATHON 10	90 > 94			1,3	W24FPR-U10	6058	IWF24	5380
10 HP - MAGNUM	91 > 98			1,5	W24FPR-U10	6058	IWF24	5380
10 HP - MARATHON	91 > 02			1,5	W24FPR-U10	6058	IWF24	5380
15	89 >			1,3	W24FPR-U10	6058	IWF24	5380
15 HP - 2-CYL	89 > 02			1,5	W24FPR-U10	6058	IWF24	5380










MARINER <i>continued</i>	94 >	98 > 02	Standard			R	Alternative		
			W22FS-U	4025	0,6		X20EPR-U9	4125	IWF22
15 HP - 2 CYL. 323CC 15 / 15 BIG FOOT	94 >				0,9	X20EPR-U9	4125		
15 HP - 4 STROKE	98 > 02				0,9	X20EPR-U9	4125		
15 HP - 15A 651			W22FS-U	4025	0,6			IWF22	5379
15 HP - 15C 684			W22FS-U	4025	0,6			IWF22	5379
15 HP - 15C 684 W/CDI			W22FS-U10		0,8			IWF22	5379
15 HP - 15 MARATHON	92 > 96				1,0	W24FPR-U10	6058	IWF24	5380
15 HP - K15 6K4	84 > 00		W22FS-U10		0,8			IWF22	5379
15 HP - K15 6M7			W22FS-U10		0,8			IWF22	5379
15 HP - K15 669			W20FS-U	3073	0,6	W20FSR-U	6053	IWF22	5379
15 HP - MARATHON	97 > 02				1,5	W24FPR-U10	6058	IWF24	5380
15 HP - MARATHON 684			W22FS-U	4025	0,6			IWF22	5379
15 HP - MARATHON 684 W/CDI			W22FS-U10		0,9			IWF22	5379
15 HP - W15 662			W22FS-U	4025	0,6			IWF22	5379
15 HP - W15 684			W22FS-U10		0,9			IWF22	5379
20			SF-24	6038					
20	98 >				1,0	W24FPR-U10	6058	IWF24	5380
20 HP	85 > 02				1,0	W24FPR-U10	6058	IWF24	5380
20 HP - 20A 653			W20FS-U	3073	0,6	W20FSR-U	6053	IWF22	5379
20 HP - 20C 6A9			W22FS-U	4025	0,6			IWF22	5379
20 HP - JET	95 > 01				1,0	W24FPR-U10	6058	IWF24	5380
20 HP - JET 20	95 > 97				1,0	W24FPR-U10	6058	IWF24	5380
22 HP - B(6A1)	80 >		W16FS-U	3034	0,6	W16FSR	3033		
25	89 > 91		W24FP-U	4178	0,8	W24FPR	4188	IWF24	5380
25	92 >				1,0	W24FPR-U10	6058	IWF24	5380
25 HP	> 92		SF-24	6038	---				
25 HP	85 > 01				1,0	W24FPR-U10	6058	IWF24	5380
25 HP - 2 CYL. 25	98 > 99				0,9	X20EPR-U9	4125		
25 HP - 4 STROKE - Ø12MM	98 > 02				0,9	X20EPR-U9	4125		
30	99 > 00				0,9	X20EPR-U9	4125		
30 HP	95 > 00				1,0	W24FPR-U10	6058	IWF24	5380
30 HP - 2CYL. 4 STROKE	99 > 02				0,9	X20EPR-U9	4125		
30 HP - JET 3 CYL.	95 > 97		SF-51	6002	---				
30 HP - JET 3 CYL.	98 > 01				1,0	W24FPR-U10	6058	IWF24	5380
30 HP - MARATHON	95 > 02				1,0	W24FPR-U10	6058	IWF24	5380
40	89 > 94		SF-51	6002					
40	98 > 99				0,9	X20EPR-U9	4125		
40 HP - 2 CYL.	89 > 97		SF-51	6002	---				
40 HP - 2 CYL.	98 > 01				1,0	W24FPR-U10	6058	IWF24	5380
40 HP - 3 CYL.	98 > 01				1,0	W24FPR-U10	6058	IWF24	5380
40 HP - 3CYL. 4 STROKE	98 > 01				0,9	X20EPR-U9	4125		
40 HP - MARATHON 2CYL.	95 > 02				1,0	W24FPR-U10	6058	IWF24	5380
45	85 >		SF-51	6002					
45 HP - 4 CYL.	86 > 89		SF-51	6002	---				
45 HP - BODENSEE 4 CYL.	95 > 98				0,9	X20EPR-U9	4125		
45 HP - JET 3 CYL.	95 > 01				1,0	W24FPR-U10	6058	IWF24	5380
50 HP	91 > 01		SF-24	6038	1,0				
50 HP - 3 CYL.	86 > 90		SF-50	6001	---				
50 HP - 4 CYL.	80 > 85		SF-51	6002	---				
50 HP - 4 CYL. 4 STROKE	95 > 01				0,9	X20EPR-U9	4125		
50 HP - 4 CYL. 935CC 50 / 50 BIG FOOT	96 >				0,8	XU22EPR-U	3179	IXU22	5308
55 (663)	84 >		W20FP-U10	6037	1,0	W20FPR-U10	3268	IWF20	5378
60 HP	91 > 01		SF-24	6038	1,0				
60 HP - 3 CYL.	92 >		SF-50	6001					
60 HP - 3 CYL. 849 CC	84 > 90		SF-50	6001	---				
60 HP - BIG FOOT	95 > 99				1,0	W24FPR-U10	6058	IWF24	5380
60 HP - MARATHON	95 > 02				1,0	W24FPR-U10	6058	IWF24	5380
65 HP - JET	95 > 01		SF-51	6002	---				
66 HP	88 >				1,0	W24FPR-U10	6058	IWF24	5380
66 HP - B (678)			W16FS-U	3034	0,6	W16FSR	3033		
66 HP - C (6H8)	84 >		W20FP-U10	6037	1,0	W20FPR-U10	3268	IWF20	5378
66 HP - D (6H6)	87 >		W20FP-U10	6037	1,0	W20FPR-U10	3268	IWF20	5378
70	79 >		SF-50	6001					
70 HP - 3 CYL.			SF-50	6001	---				
75 HP - 3 CYL.	92 > 94		SF-51	6002					
75 HP - 4 CYL.			SF-51	6002					
75 HP - 4 STROKE	> 00				1,1	K16HPR-U11	6076	IKH16	5343
75 HP - MARATHON	91 > 02		SF-51	6002	---				
75 HP - MARATHON 75	92 > 94		SF-51	6002					










		Standard				Alternative		
								
MARINER continued								
80		SF-51	6002					
80 HP - 4 CYL.		SF-51	6002	---				
80 HP - 80 JET	95 > 01			1,0	W24FPR-U10	6058	IWF24	5380
85		SF-51	6002					
85 HP		SF-51	6002	---				
88 HP	87 > 92			1,0	W24FPR-U10	6058	IWF24	5380
90		SF-50	6001					
90 HP		SF-50	6001	---				
90 HP	87 > 01	SF-51	6002	---				
90 HP - 3 CYL. 90	92 > 94	SF-51	6002					
90 HP - 4 STROKE	> 00			1,1	K16HPR-U11	6076	IKH16	5343
100 HP	88 > 99			1,0	W24FPR-U10	6058	IWF24	5380
100 HP - 4 CYL. 1848CC 100	88 > 92			1,0	W24FPR-U10	6058	IWF24	5380
105 HP - JET 6CYL.	95 > 99	SF-24	6038	---				
115 HP - 4 CYL. 1848CC 115	89 >			1,0	W24FPR-U10	6058	IWF24	5380
115 HP - 6 CYL. 115	79 > 88	SF-50	6001					
115 HP - DFI 115 OPTIMAX	00 >			1,0	PKJ16CR-L11	3246	IK16	5303
125 HP - 4 CYL. 1848CC 125	95 >			1,0	W24FPR-U10	6058	IWF24	5380
135	92 > 94	SF-24	6038					
135 HP - DFI	00 >			1,0	PKJ16CR-L11	3246	IK16	5303
135 HP - DFI OPTIMAX	98 > 99			1,0	PKJ16CR-L11	3246	IK16	5303
135 HP - MARATHON	92 > 93	SF-24	6038					
135 HP - MARATHON	86 > 99	SF-24	6038	---				
135 HP - W	92 > 93	SF-24	6038					
135 HP - WORK	86 > 93	SF-24	6038	---				
140		SF-50	6001					
140 HP - 6 CYL.		SF-50	6001	---				
140 HP - JET	95 > 99	SF-24	6038	---				
150		SF-24	6038					
150 HP - ENG NO. -- > A905890 150 MAGNUM		SF-50	6001					
150 HP - ENG NO. -- > A905890 W150		SF-50	6001					
150 HP - ENG NO. -- > A905890 V150		SF-50	6001					
150 HP - ENG NO. A905891 -- > W150		SF-24	6038					
150 HP - ENG NO. A905891 -- > 150 MAGNUM		SF-24	6038					
150 HP - ENG NO. A905891 -- > V150		SF-24	6038					
150 HP - MAGNUM EFI	93 > 94	SF-24	6038					
150 HP - MAGNUM II	88 > 91	SF-24	6038					
150 HP - MAGNUM III	92 > 94	SF-24	6038					
150 HP - OPTI MAX	97 > 02			1,0	SKJ16CR-L11	3396	IK16	5303
150 HP - WORK		SF-24	6038	---				
175	91 > 94	SF-24	6038					
175 HP	78 > 98	SF-24	6038	---				
175 HP - ENG NO. -- > A918688 MAGNUM 175		SF-50	6001					
175 HP - ENG NO. A918689 -- > MAGNUM 175		SF-24	6038					
175 HP - MAGNUM 175 EFI	91 > 94	SF-24	6038					
175 HP - MAGNUM 175 SKI	92 > 94	SF-24	6038					
200	91 > 94	SF-24	6038					
200 HP	> 00			1,0	W24FPR-U10	6058	IWF24	5380
200 HP	79 > 99	SF-24	6038	---				
200 HP - DFI 200 DFI 3.0L	97 >			1,0	PKJ16CR-L11	3246	IK16	5303
200 HP - DFI 200 OPTIMAX	98 > 00			1,0	PKJ16CR-L11	3246	IK16	5303
200 HP - EFI	> 00			1,0	W24FPR-U10	6058	IWF24	5380
200 HP - EFI	98 > 99	SF-24	6038	---				
200 HP - ENG NO. -- > A9114497 V200		SF-50	6001					
200 HP - ENG NO. A9114698 -- > V200		SF-24	6038					
200 HP - MAGNUM EFI	89 > 97	SF-24	6038	---				
200 HP - OPTI MAX	97 > 04			1,0	SKJ16CR-L11	3396	IK16	5303
200 HP - SUPER MAGNUM EFI	> 97	SF-24	6038	---				
220 HP - V220		SF-24	6038					
220 HP - MAGNUM EFI	87 > 88	SF-24	6038	---				
225	94 >			1,0	W24FPR-U10	6058	IWF24	5380
225 HP	94 > 00			1,0	W24FSR	4037	IWF24	5380
225 HP - 3.0L MARATHON	97 > 01			0,9	W24FSR	4037	IWF24	5380
225 HP - DFI 225 OPTIMAX	98 > 99			1,0	PKJ16CR-L11	3246	IK16	5303
225 HP - EFI	95 > 00			0,9	W24FSR	4037	IWF24	5380
225 HP - OPTI MAX	98 > 04			1,0	SKJ16CR-L11	3396	IK16	5303
225 HP - SUPER MAGNUM EFI	> 97	SF-24	6038	---				
225 HP - V-6, 3032CC 225EFI	95 >			1,0	W27FSR-U10	6055	IWF27	5381











		Standard		R		Alternative		
								
MARINER <i>continued</i>								
250	89 > 93	SF-24	6038					
250 HP - 3.4L	89 > 90	SF-24	6038	---				
250 HP- MAGNUM EFI	96 > 01			0,9	W24FSR	4037	IWF24	5380
250 HP - V-6, 3032CC 250EFI	96 >			1,0	W27FSR-U10	6055	IWF27	5381
260 HP - 2.5L EFI	95 > 98	SF-24	6038	---				
265 HP - 2.5L EFI	> 97	SF-24	6038	---				
275	91 > 94	SF-24	6038					
275 HP - 275 3.4L	91 > 94	SF-24	6038	---				
300 HP - 2.5L DRAG EFI V6	97 > 98	SF-50	6001	---				
300 HP - 3.0L SUPER MAGNUM EFI	97 > 98			0,8	W22FSR	4024	IWF22	5379
MARTIN								
4.540 / 45		W20S-U	3075	0,9	W20SR-U	3076		
7.26		W20S-U	3075	0,9	W20SR-U	3076		
7.266		W20S-U	3075	0,9	W20SR-U	3076		
7.560 HI-SPEED ALCOHOL MIX		W20S-U	3075	0,5	W20SR-U	3076		
7.560 HI-SPEED GASOLINE		W20S-U	3075	0,9	W20SR-U	3076		
7.575		W20S-U	3075	0,9	W20SR-U	3076		
220		W20S-U	3075	0,9	W20SR-U	3076		
10100		W20S-U	3075	0,9	W20SR-U	3076		
17200 SILVER STREAK		W20S-U	3075	0,6	W20SR-U	3076		
McCULLOCH								
3.5 HP	64 > 69	W16LS	3035	0,9				
4 HP				0,9	W16PR-U	3037		
4.0 HP				0,9	W16PR-U	3037		
4.0 HP - LONG SHAFT	64 > 69	W16LS	3035	0,9				
7.5 HP	64 > 69	W16LS	3035	0,9				
9.0 HP		W20M-US	6036	0,9	W20MR-U	6025		
14 HP		W22S-U	4027	0,9				
28 HP		W22S-U	4027	0,9				
45 HP - MANUAL START		W22S-U	4027	0,9				
MERCURY								
2.0L F1 CARB/EFI HIGH PERFORMANCE ENGINE		SF-50	6001	---				
2.4L BASS HIGH PERFORMANCE ENGINE		SF-50	6001	---				
2.4L EFI HIGH PERFORMANCE ENGINE		SF-50	6001	---				
2.4L MOD VP HIGH PERFORMANCE ENGINE		SF-50	6001	---				
2.5L CARB HIGH PERFORMANCE ENGINE	91 > 93	SF-50	6001	---				
2.5L EFI HIGH PERFORMANCE ENGINE	94 > 97	SF-50	6001	---				
3.0 HP	90 > 92			1,0	W20FPR-U10	3268	IWF20	5378
3.9 HP	64 > 66	W20S-U	3075	0,6	W20SR-U	3076		
3.9 HP	67 > 68	W16FS-U	3034	0,8	W16FSR	3033		
4.0 HP	70 > 74	SF-51	6002	---				
4.0 HP	86 > 87	SF-51	6002	---				
4.0 HP - 2 STROKE	88 > 06			1,0	W22FPR-U	4022	IWF22	5379
4.0 HP - 4 STROKE	00 > 06			0,9	XU20EPR-U	3178	IXU22	5308
4.0 HP- 40 GNAT - 2 CYLINDER	76 > 79			0,8	W20FSR-U	6053	IWF22	5379
4.545	75 > 78	SF-51	6002					
4.545	79 > 85	SF-51	6002					
5.0 HP - 2 STROKE	88 > 06			1,0	W22FPR-U	4022	IWF22	5379
5.0 HP - 4 STROKE	00 > 06			0,9	XU20EPR-U	3178	IXU22	5308
6.0 HP - 2 STROKE	01 > 06			1,0	W24FPR-U10	6058	IWF24	5380
6.0 HP - 2 STROKE	86 > 00			1,0	W24FPR-U10	6058	IWF24	5380
6.0 HP - 4 STROKE	00 > 06			0,9	XU20EPR-U	3178	IXU22	5308
7.5 HP	> 74	SF-50	6001	---				
7.5 HP	70 > 73	SF-51	6002	---				
8.0 HP - 2 STROKE	01 > 06			1,0	W24FPR-U10	6058	IWF24	5380
8.0 HP - 2 STROKE	86 > 00			1,0	W24FPR-U10	6058	IWF24	5380
8.0 HP - 4 STROKE	> 06			0,9	XU20EPR-U	3178	IXU22	5308
8.0 HP- BODENSEE	95 > 02			0,7	U20FSR-U	4004	IUF22	5383
9.8 HP - 110	> 74	SF-50	6001	---				
9.8 HP - 110	70 > 73	SF-51	6002	---				
9.9 HP - 2 CYL. 232CC 9.9 / 9.9 B	94 >			0,7	U20FSR-U	4004	IUF22	5383
9.9 HP - 2 STROKE	01 > 06			1,5	W24FPR-U10	6058	IWF24	5380
9.9 HP - 2 STROKE	86 > 94			1,0	W24FPR-U10	6058	IWF24	5380
9.9 HP - 2 STROKE	95 > 00			1,5	W24FPR-U10	6058	IWF24	5380
9.9 HP - 4 STROKE	> 06			0,9	XU20EPR-U	3178	IXU22	5308
9.9 HP - 4 STROKE	95 > 98			0,7	U20FSR-U	4004	IUF22	5383
9.9 HP - 4 STROKE	99 > 02			0,9	X20EPR-U9	4125		
9.9 HP - SOHC9.9 (Ø 12MM THREAD)	99 > 01			0,9	X20EPR-U9	4125		





			Standard			Alternative		
								
MERCURY <i>continued</i>								
10	91 >			1,3	W24FPR-U10	6058	IWF24	5380
10 HP	> 91			1,5	W24FPR-U10	6058	IWF24	5380
10 HP - 10 SEA PRO	01 > 02			1,5	W24FPR-U10	6058	IWF24	5380
10 HP - 10 SEA PRO	91 > 00			1,5	W24FPR-U10	6058	IWF24	5380
10 HP - X HIGH PERFORMANCE ENGINE				1,0	W24FPR-U10	6058	IWF24	5380
10 HP - XR10	92 > 98			1,5	W24FPR-U10	6058	IWF24	5380
10 HP - XR 10 / SEA PRO	90 >			1,3	W24FPR-U10	6058	IWF24	5380
15	88 >			1,3	W24FPR-U10	6058	IWF24	5380
15 HP - 2 CYL. 323CC 15 / 15 BIG FOOT	94 >			0,9	X20EPR-U9	4125		
15 HP - 2 STROKE	01 > 06			1,5	W24FPR-U10	6058	IWF24	5380
15 HP - 2 STROKE	89 > 90			1,5	W24FPR-U10	6058	IWF24	5380
15 HP - 4 STROKE	98 > 06			0,9	X20EPR-U9	4125		
15 HP - SEA PRO	95 > 96			1,0	W24FPR-U10	6058	IWF24	5380
15 HP - SEA PRO 2 STROKE	01 > 02			1,5	W24FPR-U10	6058	IWF24	5380
15 HP - SEA PRO 2 STROKE	97 > 00			1,5	W24FPR-U10	6058	IWF24	5380
18 HP	81 > 83			1,0	W24FPR-U10	6058	IWF24	5380
18 HP - 18 XD	84 > 85			1,0	W24FPR-U10	6058	IWF24	5380
20	79 > 81	SF-51	6002					
20	86 > 91	SF-24	6038					
20 (XD)	84 >			1,0	W24FPR-U10	6058	IWF24	5380
20 HP	79 > 80	SF-51	6002	---				
20 HP - 2 STROKE	01 > 06			1,0	W24FPR-U10	6058	IWF24	5380
20 HP - 2 STROKE	86 > 00			1,0	W24FPR-U10	6058	IWF24	5380
20 HP -200	70 > 78	SF-51	6002	---				
20 HP - JET 2 STROKE	01 > 02			1,0	W24FPR-U10	6058	IWF24	5380
20 HP - JET 2 STROKE	95 > 00			1,0	W24FPR-U10	6058	IWF24	5380
20 HP - SEA PRO 2 STROKE	> 01			1,0	W24FPR-U10	6058	IWF24	5380
25	86 > 91	SF-24	6038					
25	91 >			1,0	W24FPR-U10	6058	IWF24	5380
25	98 > 99			0,9	X20EPR-U9	4125		
25 (XD) SEA PRO	80 >			1,0	W24FPR-U10	6058	IWF24	5380
25 HP	80 > 83			1,0	W24FPR-U10	6058	IWF24	5380
25 HP	86 > 92			1,0	W24FPR-U10	6058	IWF24	5380
25 HP - 2 STROKE	01 > 06			1,0	W24FPR-U10	6058	IWF24	5380
25 HP - 2 STROKE	93 > 00			1,0	W24FPR-U10	6058	IWF24	5380
25 HP - 4 STROKE	98 > 01			0,9	X20EPR-U9	4125		
25 HP - 4 STROKE EFI	> 06			0,9	XU20EPR-U	3178	IXU22	5308
25 HP - 25 XD	84 > 85			1,0	W24FPR-U10	6058	IWF24	5380
25 HP - SEA PRO 2 STROKE	93 > 02			1,0	W24FPR-U10	6058	IWF24	5380
25 HP - SOHC	98 > 01			0,9	X20EPR-U9	4125		
25SS HIGH PERFORMANCE ENGINE		SF-51	6002	---				
25SS RACING - 21.9 CU IN		SF-50	6001	---				
25XS HIGH PERFORMANCE ENGINE		SF-50	6001	---				
30 HP - 2 CYL. 2 STROKE	01 > 02			1,0	W24FPR-U10	6058	IWF24	5380
30 HP - 2 CYL. 2 STROKE	95 > 02			1,0	W24FPR-U10	6058	IWF24	5380
30 HP - 2 CYL. 30	99 >			0,9	X20EPR-U9	4125		
30 HP - 2 CYL. SOHC 30	99 > 01			0,9	X20EPR-U9	4125		
30 HP - 3CYL.	95 > 97	SF-51	6002	---				
30 HP - 3 CYL. 2 STROKE	01 > 02			1,0	W24FPR-U10	6058	IWF24	5380
30 HP - 3 CYL. 4 STROKE CARBURETOR	99 > 02			0,9	X20EPR-U9	4125		
30 HP - 3 CYL. 4 STROKE EFI	> 06			0,9	XU22EPR-U	3179	IXU22	5308
30 HP - 30 JET 2 CYL. 2 STROKE	01 > 02			1,0	W24FPR-U10	6058	IWF24	5380
30 HP - JET 3 CYL. 2 STROKE	98 > 01			1,0	W24FPR-U10	6058	IWF24	5380
30 HP - SEA PRO 2 CYL. 2 STROKE	01 > 02			1,0	W24FPR-U10	6058	IWF24	5380
30 HP - SEA PRO 2 CYL. 2 STROKE	95 > 00			1,0	W24FPR-U10	6058	IWF24	5380
33 HP	90 > 91	W20FP-U10	6037	1,0	W20FPR-U10	3268	IWF20	5378
35	91 > 94	SF-50	6001					
35 HP	84 > 91	SF-50	6001	---				
40	70 > 71	SF-50	6001					
40	98 > 99			0,9	X20EPR-U9	4125		
40 HP - 2 CYL.	79 > 83	SF-50	6001	---				
40 HP - 2 CYL. 2 STROKE	01 > 02			1,0	W24FPR-U10	6058	IWF24	5380
40 HP - 2 CYL. 2 STROKE	95 > 02			1,0	W24FPR-U10	6058	IWF24	5380
40 HP - 3 CYL. 2 STROKE	01 > 02			1,0	W24FPR-U10	6058	IWF24	5380
40 HP - 3 CYL. 2 STROKE	98 > 02			1,0	W24FPR-U10	6058	IWF24	5380
40 HP - 3 CYL. 4 STROKE CARBURETOR	98 > 02			0,9	X20EPR-U9	4125		
40 HP - 3 CYL. 4 STROKE EFI	> 06			0,9	XU22EPR-U	3179	IXU22	5308
40 HP - 3 CYL. SOHC 40	98 > 01			0,9	X20EPR-U9	4125		








		Standard				R	Alternative		
									
MERCURY <i>continued</i>									
40 HP - 4 CYL.	88 > 97	SF-51	6002	---					
40 HP - 4 CYL. 4 STROKE EFI	> 06			0,9	XU22EPR-U	3179	IXU22	5308	
40 HP - 400	70 > 71	SF-50	6001	---					
40 HP - 402	72 > 78	SF-50	6001	---					
40 HP - BIG FOOT 4 CYL. 4 STROKE	01 > 06			0,9	X20EPR-U9	4125			
40 HP - SEA PRO 2 CYL. 2 STROKE	01 > 06			1,0	W24FPR-U10	6058	IWF24	5380	
40 HP - SEA PRO 2 CYL. 2 STROKE	95 > 00			1,0	W24FPR-U10	6058	IWF24	5380	
44 HP	86 > 88	SF-51	6002						
44 HP	88 > 90	W22FPR-U10	4168	1,0	W22FPR-U	4022	IWF22	5379	
44 HP	91 > 94	W22FPR-U10	4168	1,0	W22FPR-U	4022	IWF22	5379	
44 HP - XS HIGH PERFORMANCE ENGINE		SF-51	6002	---					
45	86 > 89	SF-51	6002	---					
45 HP - 4 CYL. 2 STROKE	86 > 89	SF-51	6002	---					
45 HP - 4 CYL. 4-STROKE SOHC 45 BODENSEE	95 > 01			0,9	X20EPR-U9	4125			
45 HP - JET 3 CYL. 2 STROKE	95 > 00			1,0	W24FPR-U10	6058	IWF24	5380	
45 HP- JET 3 CYL. 2 STROKE	01 > 02			1,0	W24FPR-U10	6058	IWF24	5380	
50	70 > 75	SF-50	6001						
50	79 > 85	SF-51	6002						
50	86 > 91	SF-50	6001						
50 HP - 3 CYL.	86 > 90	SF-50	6001	---					
50 HP - 3 CYL. 2 STROKE	01 > 06			1,0	W24FPR-U10	6058	IWF24	5380	
50 HP - 3 CYL. 2 STROKE	91 > 00			1,0	W24FPR-U10	6058	IWF24	5380	
50 HP - 4 CYL.	79 > 85	SF-51	6002	---					
50 HP - 4 CYL. 4 STROKE	95 > 01			0,9	X20EPR-U9	4125			
50 HP - 4 CYL. 4 STROKE EFI	> 06			0,9	XU22EPR-U	3179	IXU22	5308	
50 HP - 4 CYL. 935CC 50 / 50 BIG FOOT	96 >			0,8	XU22EPR-U	3179	IXU22	5308	
50 HP - 4 CYL. SOHC 50	95 > 01			0,9	X20EPR-U9	4125			
50 HP - 500	68 > 77	SF-50	6001	---					
50 HP - 500 4 CYL. 2 STROKE	> 78	SF-51	6002	---					
50 HP - 818CC	91 >	SF-24	6038						
55 HP	88 > 90	W22FPR-U10	4168	1,0	W22FPR-U	4022	IWF22	5379	
55 HP	91 > 94	W22FPR-U10	4168	1,0	W22FPR-U	4022	IWF22	5379	
55 HP - SEA PRO 3 CYL. 2 STROKE	01 > 06			1,0	W24FPR-U10	6058	IWF24	5380	
55 HP - SEA PRO 3 CYL. 2 STROKE	92 > 00			1,0	W24FPR-U10	6058	IWF24	5380	
60 HP - 3 CYL. 2 STROKE	01 > 06			1,0	W24FPR-U10	6058	IWF24	5380	
60 HP - 3 CYL. 2 STROKE	91 > 02			1,0	W24FPR-U10	6058	IWF24	5380	
60 HP - 3 CYL. 60	84 > 91	SF-50	6001						
60 HP - 3 CYL. 967CC 60	91 >	SF-24	6038						
60 HP - 4 CYL. 4 STROKE CARBURETOR	> 01			0,9	X20EPR-U9	4125			
60 HP - 4 CYL. 4 STROKE EFI	> 06			0,9	XU22EPR-U	3179	IXU22	5308	
60 HP - 4 CYL. SOHC 60				0,9	X20EPR-U9	4125			
60 HP - BIG FOOT	95 > 02	SF-50	6001	1,0					
60 HP - SEA PRO 3 CYL. 2 STROKE	01 > 02			1,0	W24FPR-U10	6058	IWF24	5380	
60 HP - SEA PRO 3 CYL. 2 STROKE	95 > 00			1,0	W24FPR-U10	6058	IWF24	5380	
65 HP - 650	72 > 76	SF-50	6001	---					
65 HP - 650S	68 > 71	SF-50	6001	---					
65 HP - JET 3 CYL. 2 STROKE	01 > 02	SF-51	6002	---					
65 HP - JET 3 CYL. 2 STROKE	95 > 00	SF-51	6002	---					
66 HP	> 86	W22FPR-U10	4168	1,0	W22FPR-U	4022	IWF22	5379	
66 HP	86 >			1,0	W24FPR-U10	6058	IWF24	5380	
70	79 > 83	SF-50	6001						
70	87 > 88	SF-51	6002						
70 HP - 3 CYL. 2 STROKE	79 > 83	SF-50	6001	---					
70 HP - 3 CYL. 2 STROKE	87 > 89	SF-51	6002	---					
70 HP - 700	77 > 78	SF-50	6001	---					
75	84 > 86	SF-51	6002						
75	88 >	SF-51	6002						
75	90 >	SF-51	6002						
75 HP - 3 CYL. 2 STROKE	01 > 06	SF-51	6002	---					
75 HP - 3 CYL. 2 STROKE	87 > 00	SF-51	6002	---					
75 HP - 4 CYL. 4 STROKE DOHC	00 > 06			1,1	K16HPR-U11	6076	IKH16	5343	
75 HP - 4 CYL. 75 XD	84 > 90	SF-51	6002						
75 HP - JET 3 CYL. 2 STROKE	> 01	SF-51	6002	---					
75 HP - SEA PRO 3 CYL. 2 STROKE	91 > 01	SF-51	6002	---					
80	69 >	SF-50	6001						
80	70 > 72	SF-50	6001						
80	79 > 83	SF-51	6002						
80	87 > 89	SF-51	6002						








		Standard			Alternative				
									
MERCURY continued									
80 HP - 3 CYL.	87 > 89	SF-51	6002	---					
80 HP - 4 CYL.	79 > 83	SF-51	6002	---					
80 HP - 800	> 69	SF-50	6001	---					
80 HP - 800	> 78	SF-51	6002	---					
80 HP - 800	70 > 72	SF-50	6001	---					
80 HP - JET 4 CYL. 2 STROKE	> 01			1,0	W24FPR-U10	6058	IWF24	5380	
80 HP - JET 4 CYL. 2 STROKE	95 > 00			1,0	W24FPR-U10	6058	IWF24	5380	
88 HP	86 >			1,0	W24FPR-U10	6058	IWF24	5380	
88 HP	86 >	W22FP-U10	4168	1,0	W22FPR-U	4022	IWF22	5379	
90	79 > 86	SF-50	6001						
90	87 > 95	SF-51	6002						
90 HP	87 > 98	SF-51	6002	---					
90 HP - 3 CYL.	99 > 00	SF-51	6002	---					
90 HP - 3 CYL. 2 STROKE	01 > 06	SF-51	6002	---					
90 HP - 4 CYL. 4 STROKE DOHC	00 > 06			1,1	K16HPR-U11	6076	IKH16	5343	
90 HP - 6 CYL. 2 STROKE	79 > 86	SF-50	6001	---					
90 HP - 900 2 STROKE	> 78	SF-50	6001	---					
95 HP - 950SS 2 STROKE	66 > 67	SF-50	6001	---					
99.9 CU IN TWISTER 11-X RACING		SF-50	6001	---					
100 HP - 4 CYL. 1848CC 100	91 >			1,0	W24FPR-U10	6058	IWF24	5380	
100 HP - 100 4 CYL. 2 STROKE	88 > 99			1,0	W24FPR-U10	6058	IWF24	5380	
100 HP - 1000BP 2 STROKE	68 > 69	SF-50	6001	---					
100 HP - 1000SS 2 STROKE	68 > 69	SF-50	6001	---					
105 HP - 105 JET	95 > 98	SF-24	6038	---					
110 HP - 1100SS 2 STROKE	66 > 67	SF-50	6001	---					
115 HP - 4 CYL. 2 STROKE	01 > 06			1,0	W24FPR-U10	6058	IWF24	5380	
115 HP - 4 CYL. 2 STROKE	89 > 90			1,0	W24FPR-U10	6058	IWF24	5380	
115 HP - 4 CYL. 1848CC 115	90 >			1,0	W24FPR-U10	6058	IWF24	5380	
115 HP - 6 CYL. 2 STROKE	79 > 88	SF-50	6001	---					
115 HP - 6 CYL. 115	79 > 89	SF-50	6001	---					
115 HP - 1150 6 CYL. 2 STROKE	70 > 78	SF-50	6001	---					
115 HP - EFI MFI - 4 CYL. 4 STROKE	01 > 06			1,1	K20HR-U11	3381	IKH20	5344	
125 HP - 4 CYL. 2 STROKE	01 > 06			1,0	W24FPR-U10	6058	IWF24	5380	
125 HP - 4 CYL. 2 STROKE	94 > 00			1,0	W24FPR-U10	6058	IWF24	5380	
125 HP - 4 CYL. 1848CC 125	94 >			1,0	W24FPR-U10	6058	IWF24	5380	
125 HP - 6 CYL. 125	94 >			1,0	W24FPR-U10	6058	IWF24	5380	
125 HP - 1250 BP	68 > 69	SF-50	6001	---					
125 HP - 1250 SS	68 > 69	SF-50	6001	---					
135	91 > 94	SF-24	6038	---					
135 HP	86 > 99	SF-24	6038	---					
135 HP - 6 CYL. 2 STROKE	00 > 02			1,0	W24FPR-U10	6058	IWF24	5380	
135 HP - 1350 6 CYL. 2 STROKE	70 > 71	SF-50	6001	---					
135 HP - OPTIMAX DFI 6 CYL. 2 STROKE	96 > 01			1,0	SKJ16CR-L11	3396	IK16	5303	
135 OPTIMAX	98 > 99			1,0	PKJ16CR-L11	3246	IK16	5303	
135 OPTIMAX DFI	01 >			1,0	PKJ16CR-L11	3246	IK16	5303	
140	72 >	SF-50	6001						
140	79 > 89	SF-50	6001						
140 HP - 140 2 STROKE	79 > 80	SF-50	6001	---					
140 HP - 140 JET	95 > 99	SF-24	6038	---					
140 HP - 1400 2 STROKE	70 > 73	SF-50	6001	---					
140 HP - 1400 2 STROKE	72 > 78	SF-50	6001	---					
150	79 > 84	SF-50	6001						
150	91 > 94	SF-24	6038						
150 HP	91 > 99	SF-24	6038	---					
150 HP - 150	00 > 06			1,0	W24FPR-U10	6058	IWF24	5380	
150 HP - 150	79 > 84	SF-24	6038	---					
150 HP - 150 EFI	98 > 99	SF-24	6038	---					
150 HP - 150 EFI - 6 CYL. 2 STROKE	00 > 06			1,0	W24FPR-U10	6058	IWF24	5380	
150 HP - 150 MARATHON	85 > 88	SF-24	6038	---					
150 HP - 150 XR-2	85 > 02	SF-24	6038	---					
150 HP - 150 XR-4	85 > 02	SF-24	6038	---					
150 HP - 150 XR-6	92 > 97	SF-24	6038	---					
150 HP - 150 XRI	93 > 02	SF-24	6038	---					
150 HP - 1500	> 78	SF-24	6038	---					
150 HP - 1500	73 > 77	SF-50	6001	---					
150 HP - MAGNUM PRO MAX SUPER		SF-50	6001	---					
150 OPTI MAX	98 > 99			1,0	PKJ16CR-L11	3246	IK16	5303	
175	79 > 81	SF-50	6001						








		Standard			Alternative			
								
MERCURY <i>continued</i>								
175	85 >	SF-50	6001					
175	91 >	SF-24	6038					
175 HP	76 > 78	SF-24	6038	---				
175 HP	79 > 98	SF-24	6038	---				
175 HP - 175 EFI	98 > 99	SF-24	6038	---				
175 HP - 175 EFI 6 CYL. 4 STROKE SUPERCHARGED VERADO	> 06	SF-24	6038	0,8				
175 HP - 175 EFI MFI 6 CYL. 2 STROKE	00 > 01			1,0	W24FPR-U10	6058	IWF24	5380
175 HP - 175 XRI	91 > 02	SF-24	6038	---				
200	79 > 85	SF-50	6001					
200	91 >	SF-24	6038					
200 HP - 2.0L DUECE HIGH EFI	> 97	SF-24	6038	---				
200 HP - 2.0L F1 EFI	> 97	SF-50	6001	---				
200 HP - 2.0L SST 120 EFI	> 97	SF-50	6001	---				
200 HP - 2.0L XR2 SS EFI	> 97	SF-50	6001	---				
200 HP - 6 CYL. 2 STROKE	00 > 06			1,0	W24FPR-U10	6058	IWF24	5380
200 HP - 200 EFI	98 > 99	SF-24	6038	---				
200 HP - 200 EFI 6 CYL. 2 STROKE	> 06			1,0	W24FSR	4037	IWF24	5380
200 HP - 200 EFI MFI 6 CYL. 2 STROKE	00 > 06			1,0	W24FPR-U10	6058	IWF24	5380
200 HP - 2000	> 78	SF-50	6001	---				
200 HP - DFI	97 >			1,0	PKJ16CR-L11	3246	IK16	5303
200 HP - MAGNUM EFI PRO MAX SUPER		SF-50	6001	---				
200 HP - OPTI MAX 200XS 2.5L	00 > 04			1,0	SKJ16CR-L11	3396	IK16	5303
200 HP - OPTI MAX 200XS 3.0L	00 > 04			1,0	SKJ16CR-L11	3396	IK16	5303
200 HP - OPTI MAX 200XS 6CYL.	02 > 04			1,0	SKJ16CR-L11	3396	IK16	5303
220 HP - V-220	87 > 88	SF-24	6038					
220 HP - V-220 LASER	87 > 88	SF-24	6038	---				
225	80 > 81	SF-50	6001					
225	94 >			1,0	W24FPR-U10	6058	IWF24	5380
225 3.0L DFI	97 >			1,0	PKJ16CR-L11	3246	IK16	5303
225 HP	94 > 97			1,0	W24FPR-U10	6058	IWF24	5380
225 HP - 3.0L SEA PRO 6 CYL. 2 STROKE	97 > 02			0,9	W24FSR	4037	IWF24	5380
225 HP - 3.0L WORK	> 98			0,9	W24FSR	4037	IWF24	5380
225 HP - 3.0L WORK	94 > 97			1,0	W24FPR-U10	6058	IWF24	5380
225 HP - 6 CYL. 2 STROKE	98 > 01			0,9	W24FSR	4037	IWF24	5380
225 HP - 225	80 > 81	SF-24	6038	---				
225 HP - 225 3.0L DFI	> 97			1,0	SKJ16CR-L11	3396	IK16	5303
225 HP - 225 EFI DFI 6 CYL. 2 STROKE	95 > 06			0,9	W24FSR	4037	IWF24	5380
225 HP - 225 EFI DFI 6 CYL. 4 STROKE	> 06			1,1	K16HPR-U11	6076	IKH16	5343
225 HP - 225 XRI EFI	95 > 02			0,9	W24FSR	4037	IWF24	5380
225 HP - MAGNUM EFI PRO MAX SUPER		SF-50	6001	---				
225 HP - V-6, 3032CC 225EFI	96 >			1,0	W27FSR-U10	6055	IWF27	5381
225 OPTI MAX	98 > 99			1,0	PKJ16CR-L11	3246	IK16	5303
245 HP - 2.5L	95 > 96	SF-24	6038	---				
250	89 > 90	SF-24	6038					
250 HP - 250 3.4L	89 > 90	SF-24	6038	---				
250 HP - 250 XRI EFI 6 CYL. 2 STROKE	95 > 06			0,9	W24FSR	4037	IWF24	5380
250 HP - V-6, 3032CC 250EFI	96 >			1,0	W27FSR-U10	6055	IWF27	5381
260 HP - 2.5L OFFSHORE	95 > 97	SF-24	6038	---				
265 HP - 2.5L SS DRAG EFI	> 97	SF-24	6038	---				
275	92 > 94	SF-24	6038					
275 HP - 275	89 > 94	SF-24	6038	---				
280 HP - 2.5L EFI SPORT, EFI SS	> 02			0,8	W22FSR	4024	IWF22	5379
280 HP - 2.5L OFFSHORE	> 02			0,8	W22FSR	4024	IWF22	5379
300	80 > 81	SF-50	6001					
300	83 >	SF-50	6001					
300	84 > 86	SF-50	6001					
300 HP	81 > 83	SF-24	6038	---				
300 HP - 2.5L S3000 EFI	> 97	SF-24	6038	---				
300 HP - 3.4L	84 > 88	SF-24	6038	---				
440	69 >	W16FP-U	4019	0,7	W16FPR-U	4192	IWF16	5359
650X RACING - 49.9 CU IN		SF-50	6001	---				
3003.4	87 > 88	SF-24	6038					
20200	70 > 78	SF-51	6002					
25250	81 > 83	SF-50	6001					
40402	72 > 78	SF-50	6001					
50500	76 > 78	SF-51	6002					
50500 SS	68 > 69	SF-50	6001					
65650	67 > 70	SF-50	6001					

		Standard				Alternative			
									
MERCURY <i>continued</i>									
65650 SS	70 > 76	SF-50	6001						
70700	77 > 78	SF-50	6001						
80800	78 >	SF-51	6002						
85850	73 > 76	SF-50	6001						
85850	77 >	SF-51	6002						
90900	78 >	SF-50	6001						
1001000 BP / SUPER BP	68 >	SF-50	6001						
1001000 SS	68 > 69	SF-50	6001						
1151100	66 > 67	SF-50	6001						
1151150	70 > 78	SF-50	6001						
1251250 SUPER BP	69 >	SF-50	6001						
1351350	70 > 71	SF-50	6001						
1401400	78 >	SF-50	6001						
1501500	73 > 78	SF-50	6001						
1751750	76 > 78	SF-50	6001						
2002000	78 >	SF-50	6001						
2.22.2	84 > 88	W20FP-U10	6037	1,0	W20FPR-U10	3268	IWF20	5378	
3.43.4	84 > 86	SF-24	6038						
3.53.5	83 > 85	W22FP-U10	4168	1,0	W22FPR-U	4022	IWF22	5379	
9.99.9	86 >	W22FP-U10	4168	1,0	W22FPR-U	4022	IWF22	5379	
9.99.9	86 > 92			1,0	W24FPR-U10	6058	IWF24	5380	
SST 140 HIGH PERFORMANCE ENGINE		SF-50	6001	---					
V-200	86 > 90	SF-24	6038						
V-200 - XRI	89 > 90	SF-24	6038						
V-200 - XRI	91 > 94	SF-24	6038						
XR-2 MAGNUM HIGH PERFORMANCE ENGINE		SF-50	6001	---					
MONO									
M-5A / M-6A		W20S-U	3075	0,8	W20SR-U	3076			
M-50		W20S-U	3075	0,8	W20SR-U	3076			
M-75				0,8	W16PR-U	3037			
NEPTUNE									
1A39 / 4A39 / 5A39 / 9A39		W20S-U	3075	0,6	W20SR-U	3076			
10A1 / 10A4 / 10A6 / 10A10		W20S-U	3075	0,6	W20SR-U	3076			
10A16 / 11A16 / 11A2 / 16A39		M17	5002	0,6					
11A3 / 11AA3 / 11A6 / 11AA6 / 11AA10		W20S-U	3075	0,6	W20SR-U	3076			
15A3 / 15AA3 / 15A6 / 15AA6 / 15A9 / 15AA9		W20S-U	3075	0,6	W20SR-U	3076			
17A1 / 17A2 / 17A3		W20S-U	3075	0,6	W20SR-U	3076			
101 / 104 / 106		W20S-U	3075	0,6	W20SR-U	3076			
111 / 11A1 / 15A1		W14-U	6008	0,6					
113 / 114 / 116 / 139 / 189		W20S-U	3075	0,6	W20SR-U	3076			
539 / 938 / 939 / 1010 / 1110		W20S-U	3075	0,6	W20SR-U	3076			
A1 / AA1 / AA1A / A2 / AA2		W20S-U	3075	0,6	W20SR-U	3076			
AA4 / AA6 / AA10		W20S-U	3075	0,6	W20SR-U	3076			
OB1 / 2,2C / 3,4 / 11 / 12		M17	5002	0,6					
OB31 / 32, / 51 / 63 / 64 / 65		M17	5002	0,6					
OB102 / 112 / 238 / 239 / 438 / 439		M17	5002	0,6					
OB638 / 639 / 1016 / 1638 / 1639		M17	5002	0,6					
NISSAN									
2.0 HP - NSF 2.0A 4 STROKE	> 07			0,6	XU20EPR-U	3178	IXU22	5308	
2.5 HP - 1 CYL. NS 2.5 A	85 >	W20FP-U10	6037	1,0	W20FPR-U10	3268	IWF20	5378	
2.5 HP - NS 2.5A	97 > 07			1,0	W20FPR-U10	3268	IWF20	5378	
3.5 HP - 1 CYL. NS 3.5 A	85 >	W20FP-U10	6037	1,0	W20FPR-U10	3268	IWF20	5378	
3.5 HP - 1 CYL. NS 3.5 B	93 >	W20FP-U10	6037	1,0	W20FPR-U10	3268	IWF20	5378	
3.5 HP - NS 3.5A	97 > 06			1,0	W20FPR-U10	3268	IWF20	5378	
3.5 HP - NS 3.5A2	> 07			1,0	W20FPR-U10	3268	IWF20	5378	
3.5 HP - NS 3.5B	97 > 07			1,0	W20FPR-U10	3268	IWF20	5378	
3.5 HP - NSF 3.5A / 4 STROKE	> 07			0,6	XU20EPR-U	3178	IXU22	5308	
4.0 HP - NSF 4 / 4 STROKE	> 07			0,6	XU20EPR-U	3178	IXU22	5308	
4.0 HP - NSF 4A / 4 STROKE	00 > 07			0,6	XU20EPR-U	3178	IXU22	5308	
5.0 HP - 1 CYL. NS 5 B	85 >	W22FP-U10	4168	1,0	W22FPR-U	4022	IWF22	5379	
5.0 HP - NS 5B / 2 STROKE	97 > 07			1,0	W22FPR-U	4022	IWF22	5379	
5.0 HP - NSF 5 / 4 STROKE	> 07			0,6	XU20EPR-U	3178	IXU22	5308	
5.0 HP - NSF 5A / 4 STROKE	99 > 07			0,6	XU20EPR-U	3178	IXU22	5308	
6.0 HP - NSF 6 / 4 STROKE	> 07			0,6	XU20EPR-U	3178	IXU22	5308	
6.0 HP - NSF 6A / 4 STROKE	04 > 07			0,6	XU20EPR-U	3178	IXU22	5308	
8.0 HP - 2 CYL. NS 8 B	87 > 92	W22FP-U10	4168	1,0	W22FPR-U	4022	IWF22	5379	
8.0 HP - NS 8B / 2 STROKE	97 > 07			1,0	W22FPR-U	4022	IWF22	5379	
8.0 HP - NSF 8A / 4 STROKE	04 > 07			1,0	XU20EPR-U	3178	IXU22	5308	

					Standard		R	Alternative
								
NISSAN <i>continued</i>								
9.8 HP - NS 9.8B / 2 STROKE	98 > 07			1,0	W22FPR-U	4022	IWF22	5379
9.8 HP - NSF 9.8A / 4 STROKE	> 07			0,6	XU20EPR-U	3178	IXU22	5308
9.9 HP - NS 9.9B	97 > 07			1,0	W22FSR	4024	IWF22	5379
9.9 HP - NSF 9.9A / 4 STROKE	00 > 07			0,6	XU20EPR-U	3178	IXU22	5308
9.9 HP - NSF 9.9B / 4 STROKE	04 > 07			0,6	XU20EPR-U	3178	IXU22	5308
12 HP - NS 12C	04 > 07			1,0	W22FSR	4024	IWF22	5379
15 HP - NS 15B	04 > 07			1,0	W22FSR	4024	IWF22	5379
15 HP - NS 15C	97 > 99			1,0	W22FPR-U	4022	IWF22	5379
15 HP - NS 15D	00 > 01			0,8	W22FPR-U	4022	IWF22	5379
15 HP - NS 15D	04 > 07			1,0	W22FSR	4024	IWF22	5379
15 HP - NSF 15A / 4 STROKE	04 > 07			0,6	XU20EPR-U	3178	IXU22	5308
15 HP - NSF 15B / 4 STROKE	04 > 07			0,6	XU20EPR-U	3178	IXU22	5308
18 HP - NS 18	97 > 99			1,0	W22FSR	4024	IWF22	5379
18 HP - NS 18E	00 > 01			0,8	W22FPR-U	4022	IWF22	5379
18 HP - NS 18E	04 > 07			1,0	W22FSR	4024	IWF22	5379
18 HP - NSF 18B / 4 STROKE	04 > 07			0,6	XU20EPR-U	3178	IXU22	5308
25 HP - NS 25C	97 > 07			0,8	W22FSR	4024	IWF22	5379
25 HP - NSF 25A / 4 STROKE	04 > 07			0,6	XU20EPR-U	3178	IXU22	5308
25 HP - NSF 25B / 4 STROKE	> 07			0,6	XU20EPR-U	3178	IXU22	5308
30 HP - NS 30A	97 > 07			1,0	W22FSR	4024	IWF22	5379
30 HP - NSF 30A / 4 STROKE	04 > 07			0,6	XU20EPR-U	3178	IXU22	5308
30 HP - NSF 30B / 4 STROKE	> 07			0,6	XU20EPR-U	3178	IXU22	5308
40 HP - NS 40C	04 > 07			1,0	W22FSR	4024	IWF22	5379
40 HP - NS 40D	97 > 06			0,8	W22FSR	4024	IWF22	5379
40 HP - NS 40D2	> 07			0,8	W22FSR	4024	IWF22	5379
40 HP - NSD 40A TLDI	04 > 07			1,1	KJ20CR-L11	3169	IK20	5304
50 HP - NS 50D	97 > 06			1,0	W24FSR-U10	6075	IWF24	5380
50 HP - NS 50D2	> 07			1,0	W24FSR-U10	6075	IWF24	5380
50 HP - NSD 50A TLDI	04 > 07			1,1	KJ20CR-L11	3169	IK20	5304
60 HP - NS 60C	04 > 07			1,0	W24FSR-U10	6075	IWF24	5380
70 HP - NS 70B	97 > 99			1,0	W24FSR-U10	6075	IWF24	5380
70 HP - NS 70C	00 > 07			1,0	W24FSR-U10	6075	IWF24	5380
70 HP - NSD 70A TLDI	04 > 07			1,1	KJ20CR-L11	3169	IK20	5304
90 HP - NS 90A	97 > 07			1,0	W24FSR-U10	6075	IWF24	5380
90 HP - NSD 90A TLDI	04 > 07			1,1	KJ20CR-L11	3169	IK20	5304
120 HP - NS 120A	97 > 07			1,0	W24FSR-U10	6075	IWF24	5380
140 HP - NS 140A2	97 > 06			1,0	W24FSR-U10	6075	IWF24	5380
NORDEC-BOND								
24			W20ES-U	3051	0,6	W20ESR-U	3057	
30			W20ES-U	3051	0,6	W20ESR-U	3057	
40			W20ES-U	3051	0,6	W20ESR-U	3057	
50			W20ES-U	3051	0,6	W20ESR-U	3057	
PEERLESS								
J5			W20M-US	6036	0,8	W20MR-U	6025	
J9			W14-U	6008	0,8			
PIAGGIO								
INDROGETTO			W22ES-U	3093	0,5	W22ESR-U	3098	
MOSCONE			W20S-U	3075	0,5	W20SR-U	3076	
PUFFIN								
75 / 105 / 105 DE LUXE			W20ES-U	3051	0,5	W20ESR-U	3057	
SEA KING (Wards)								
5.9 HP	79 > 80			0,6	W20PR-U	5046		
7.0 HP	> 69			0,9	W20PR-U	5046		
9.2 CU IN.	79 > 80			0,6	W20PR-U	5046		
SEA-BEE								
ALL MODELS	46 > 59	W20S-U	3075	0,8	W20SR-U	3076		
ALL MODELS	60 >	W22S-U	4027	0,8				
SEACO								
4.5	73 > 74			0,9	W16PR-U	3037		
5.5	75 >			0,9	W16PR-U	3037		
7.5	73 > 74			0,9	W16PR-U	3037		
15	73 > 74			0,9	W16PR-U	3037		
SEAGULL								
ALL 18MM TYPES		M17	5002	0,6				
ALL QL TYPES		W22ES-U	3093	0,6	W22ESR-U	3098		
ALL SPORT SERIE TYPES		W20FP-U	3068	0,6	W20FPR-U	3070	IWF20	5378
CENTURY / SILVER CENTURY	> 80	M17	5002	0,5				
CENTURY PLUS / SILVER CENTURY PLUS	> 80	M17	5002	0,5				

			Standard			Alternative		
								
SEAGULL <i>continued</i>								
FORTY FEATHERWEIGHT / 45		80 >	M17	5002	0,9			
FORTY MINUS / FEATHERWEIGHT		> 80	M17	5002	0,5			
FORTY PLUS / 55		> 80	M17	5002	0,5			
MODEL 90 / 102 / 110		80 >	M17	5002	0,9			
MODEL 102		> 80	M17	5002	0,5			
MODEL 125 / 170			W22ES-U	3093	0,6	W22ESR-U	3098	
QB SERIES CURLEW / OSPREY / KINGFISHER			W22ES-U	3093	0,6	W22ESR-U	3098	
SEAGULL 5 / 5R			W22ES-U	3093	0,6	W22ESR-U	3098	
SILVER CENTURY PLUS / 80		80 >	M17	5002	0,9			
SEA-KING								
3.5		64 > 70	W16LS	3035	0,8			
3.5		79 > 80	W20M-US	6036	0,6	W20MR-U	6025	
5		69 >	W20S-U	3075	0,9	W20SR-U	3076	
5.8		64 > 70	W16LS	3035	0,8			
5.9		79 > 80			0,6	W16PR-U	3037	
6		67 > 71	W16LS	3035	0,8			
7		69 >			0,9	W16PR-U	3037	
7.5 - 9.2 CU.IN		79 > 80			0,6	W16PR-U	3037	
9		64 > 65	W16LS	3035	0,8			
9.2		66 > 69	W22S-U	4027	0,8			
SEARS								
1.2 HP - 585120					0,6	W20SR-U	3076	
1.2 HP - 585121					0,6	W20SR-U	3076	
1.25 HP - 85120 / 585121			W20S-U	3075	0,6	W20SR-U	3076	
1.25 HP - 85122			W20M-US	6036	0,6	W20MR-U	6025	
3.0 HP - 58540					0,8	W20PR-U	5046	
3.0 HP - 58541					0,8	W20PR-U	5046	
3.0 HP - 58543					0,8	W20PR-U	5046	
3.0 HP - 58544					0,8	W20PR-U	5046	
3.0 HP - 585210					0,8	W20PR-U	5046	
3.0 HP - 585211					0,8	W20PR-U	5046	
3.0 HP - 585220					0,8	W20PR-U	5046	
3.5 HP - 599			W20M-US	6036	0,8	W20MR-U	6025	
3.5 HP - 5851			W20S-U	3075	0,9	W20SR-U	3076	
3.5 HP - 6003 / 60020 / 60030			W16LS	3035	0,8			
3.5 HP - 6091 / 6094			W20M-US	6036	0,8	W20MR-U	6025	
3.5 HP - 58528					0,8	W16PR-U	3037	
3.5 HP - 58542					0,9	W20PR-U	5046	
3.5 HP - 58542 / 58550 / 58560 / 59862					0,9	W16PR-U	3037	
3.5 HP - 58550					0,9	W20PR-U	5046	
3.5 HP - 58560					0,9	W20PR-U	5046	
3.5 HP - 59501 / 59900			W20M-US	6036	0,8	W20MR-U	6025	
3.5 HP - 59860 / 59861			W20S-U	3075	0,9	W20SR-U	3076	
3.5 HP - 585230 / 585240 / 585241 / 585280					0,8	W16PR-U	3037	
3.6 HP - 6001 / 60000			W16LS	3035	0,8			
3.6 HP - 58511 / 58512			W20S-U	3075	0,8	W20SR-U	3076	
3.6 HP - 58513					0,9	W20PR-U	5046	
3.6 HP - 58513 / 58514					0,9	W16PR-U	3037	
3.6 HP - 58514					0,9	W20PR-U	5046	
4.0 HP - 585270					0,8	W20PR-U	5046	
4.5 HP - 59460 / 59461 / 59462 / 59463 / 59564					0,9	W16PR-U	3037	
4.8 HP - 58970 / 58971					0,9	W16PR-U	3037	
5.5 HP - 59430 / 59431 / 59432					0,9	W16PR-U	3037	
5.5 HP - 59433 / 59980 / 585710					0,9	W16PR-U	3037	
7.5 HP - 6008 / 6010 / 6012			W16LS	3035	0,8			
7.5 HP - 58820 / 58821 / 58850 / 58880					0,9	W16PR-U	3037	
7.5 HP - 58881 / 58882 / 58890 / 58891					0,9	W16PR-U	3037	
7.5 HP - 59450 / 59490 / 59491 / 595890					0,9	W16PR-U	3037	
7.5 HP - 60070 / 60090 / 60100			W16LS	3035	0,8			
7.5 HP - 585810 / 585811 / 585830					0,8	W16PR-U	3037	
7.5 HP - 585831 / 585840 / 585850					0,8	W16PR-U	3037	
7.5 HP - 585870 / 585880 / 585910					0,9	W16PR-U	3037	
7.5 HP - 585911 / 585921 / 585930					0,8	W16PR-U	3037	
7.5 HP - 585931 / 585932 / 586110					0,8	W16PR-U	3037	
9.9 HP - 586210 / 586211					0,9	W16PR-U	3037	
9.9 HP - 586220 / 586230 / 586231					0,8	W16PR-U	3037	
9.9 HP - 586240 / 58710 / 58711					0,8	W16PR-U	3037	
10.5 HP - 58720					0,8	W20PR-U	5046	

		Standard			Alternative			
								
SEARS continued								
10.5 HP - 58720 / 58721				0,9	W16PR-U	3037		
10.5 HP - 58721				0,8	W20PR-U	5046		
14.1 HP - 6013 / 60140 / 60150		W20S-U	3075	0,8	W20SR-U	3076		
15 HP - 58760				0,8	W20PR-U	5046		
15 HP - 58761				0,8	W20PR-U	5046		
15 HP - 586310				0,8	W20PR-U	5046		
15 HP - 586311				0,8	W20PR-U	5046		
15 HP - 586320				0,8	W20PR-U	5046		
15 HP - 586330				0,8	W20PR-U	5046		
15 HP - 586331				0,8	W20PR-U	5046		
15 HP - 586340				0,8	W20PR-U	5046		
27.7 HP - 6033 / 6035		W20S-U	3075	0,8	W20SR-U	3076		
43.7 HP - 6044 / 6045 / 6050 / 6051		W20S-U	3075	0,8	W20SR-U	3076		
75.2 HP - 6070 / 6071		W20S-U	3075	0,8	W20SR-U	3076		
75.2 HP - 6076 / 6077		W22S-U	4027	0,8				
66004 / 6005 / 60060		W16LS	3035	0,8				
125927		W16LS	3035	0,8				
146015		W20S-U	3075	0,8	W20SR-U	3076		
258241 / 58250		W14-U	6008	0,8				
286037 / 6038 / 60340 / 60360		W20S-U	3075	0,8	W20SR-U	3076		
355941		W22S-U	4027	0,8				
358540 / 58541 / 58543 / 58544				0,9	W16PR-U	3037		
456056 / 6057 / 6058		W20S-U	3075	0,8	W20SR-U	3076		
458580 / 585250 / 585270				0,8	W16PR-U	3037		
558520 / 58960 / 58961		W20S-U	3075	0,9	W20SR-U	3076		
558521 / 58610 / 58620				0,8	W16PR-U	3037		
558962 / 58990 / 58991 / 58992				0,9	W16PR-U	3037		
559310 / 59311 / 59673 / 59680				0,9	W16PR-U	3037		
559520 / 59670 / 59671 / 59672		W20S-U	3075	0,9	W20SR-U	3076		
559673 / 59680				0,9	W16PR-U	3037		
756078 / 60740 / 60750		W22S-U	4027	0,8				
758530 / 58531 / 58532				0,9	W16PR-U	3037		
758870 / 59440 / 59480				0,8	W16PR-U	3037		
1558760 / 58761 / 586310 / 586311				0,9	W16PR-U	3037		
2860370 / 60380		W22S-U	4027	0,8				
3585210 / 585211 / 585220				0,9	W16PR-U	3037		
4560540 / 60550		W22S-U	4027	0,8				
5585410 / 585411 / 585420				0,9	W16PR-U	3037		
5585430 / 585431 / 585440 / 585441				0,8	W16PR-U	3037		
5585460 / 585470				0,8	W16PR-U	3037		
7585860 / 585861 / 58830				0,9	W16PR-U	3037		
15586320 / 586330 / 586331 / 586340				0,8	W16PR-U	3037		
SELVA								
2.4 HP- ELBA 56CC				0,5	W20MPR-U10	6032		
5 HP - CAPRI 125CC				0,8	W20FPR-U	3070	IWF20	5378
5 HP- S115 / S115 SI				0,5	W20FPR-U	3070	IWF20	5378
8 HP - IZMIR 170CC				0,8	W20FPR-U	3070	IWF20	5378
8 HP - S165				0,5	W20FPR-U	3070	IWF20	5378
20 HP- RHODES 398CC				0,8	W20FPR-U	3070	IWF20	5378
20 HP - S405				0,5	W20FPR-U	3070	IWF20	5378
25 HP- ANTIBES 489CC				0,8	W20FPR-U	3070	IWF20	5378
25 HP- MAJORCA 489CC				0,8	W20FPR-U	3070	IWF20	5378
25 HP - S495				0,5	W20FPR-U	3070	IWF20	5378
123CC S 115 / 115 L / 115 SC / 115 SCL		W20FP-U	3068	0,5	W20FPR-U	3070	IWF20	5378
123CC S 135 / 135 SC		W20FP-U	3068	0,5	W20FPR-U	3070	IWF20	5378
170CC S 155 / 155 L		W20FP-U	3068	0,5	W20FPR-U	3070	IWF20	5378
170CC S 165 / 165 L		W20FP-U	3068	0,5	W20FPR-U	3070	IWF20	5378
260CC S 175 / 175 L		W20FP-U	3068	0,5	W20FPR-U	3070	IWF20	5378
260CC S 260 / 260 L		W20FP-U	3068	0,5	W20FPR-U	3070	IWF20	5378
398CC S 405 / 405 E		W20FP-U	3068	0,5	W20FPR-U	3070	IWF20	5378
489CC S 495 / E / L / EL /XS		W20FP-U	3068	0,5	W20FPR-U	3070	IWF20	5378
489CC S 505 / E / L / EL		W20FP-U	3068	0,5	W20FPR-U	3070	IWF20	5378
489CC S 525 / E / L / EL		W20FP-U	3068	0,5	W20FPR-U	3070	IWF20	5378
S 85 / 110 / 120 / 125 / 130		W20FP-U	3068	0,6	W20FPR-U	3070	IWF20	5378
S 170 / 250 / 350		W20FP-U	3068	0,6	W20FPR-U	3070	IWF20	5378
S 400 / 490		W22FP-U	4021	0,6	W22FPR-U	4022	IWF22	5379
SELVA GEMINI								
3		W20S-U	3075	0,5	W20SR-U	3076		

		Standard				R		Alternative	
									
SELVA GEMINI <i>continued</i>									
4.5		W20S-U	3075	0,5	W20SR-U	3076			
6		W20S-U	3075	0,5	W20SR-U	3076			
SOLO									
55		W27FS-U	4052	0,7	W27FSR	4054	IWF27	5381	
70		W27FS-U	4052	0,7	W27FSR	4054	IWF27	5381	
SPIRIT									
2 SPIRIT	77 > 81	W16FS-U	3034	0,6	W16FSR	3033			
3.5 SPIRIT	79 > 81	W20FP-U	3068	0,8	W20FPR-U	3070	IWF20	5378	
5 SPIRIT	78 > 81	W20FP-U	3068	0,8	W20FPR-U	3070	IWF20	5378	
SPIRIT (Suzuki)									
2.0 HP	77 > 81			0,6	W16FSR	3033			
3.5 HP	79 > 81			0,8	W20FPR-U	3070	IWF20	5378	
4.5 HP	76 > 77			0,7	W20FSR-U	6053	IWF22	5379	
5.0 HP	78 > 81			0,8	W20FPR-U	3070	IWF20	5378	
7.5 HP				0,7	W20FSR-U	6053	IWF22	5379	
8.0 HP	80 > 81			0,7	W20FPR-U	3070	IWF20	5378	
9.0 HP	76 > 81			0,7	W20FSR-U	6053	IWF22	5379	
16 HP	76 > 81			0,7	W22FSR	4024	IWF22	5379	
20 HP	76 > 81			0,7	W22FSR	4024	IWF22	5379	
25 HP	76 > 81			0,7	W22FSR	4024	IWF22	5379	
40 HP	80 > 81			0,9	W24FSR	4037	IWF24	5380	
50 HP	77 > 81			0,9	W24FSR	4037	IWF24	5380	
65 HP	77 > 81			0,9	W24FSR	4037	IWF24	5380	
85 HP	79 > 81			0,9	W24FSR	4037	IWF24	5380	
SPRITE									
J5		W20M-US	6036	0,8	W20MR-U	6025			
SUZUKI									
2.0 HP - 50CC - DT 2	77 > 86	W14F-U		0,6	W14FR-U	4017			
2.0 HP - 50CC - DT 2	86 > 96			0,7	W14FR-U	4017			
2.2 HP - 1 CYL. - 50CC - DT 2.2	96 >			0,7	W16FSR	3033			
2.5 HP - DF2.5	06 > 09			---	U20FSR-U	4004	IUF22	5383	
3.5 HP - DT 3.5	79 > 94	W20FP-U	3068	0,7	W20FPR-U	3070	IWF20	5378	
4.0 HP - 1 CYL. - 90CC - DT 4	94 > 98			0,7	W16FPR-U	4192	IWF16	5359	
4.0 HP - 1 CYL. - 138CC - DF 4	01 >			0,8	W20EPR-U	3047	IW20	5306	
4.0 HP - 90CC - DT 4	85 >	W20FP-U	3068	0,7	W20FPR-U	3070	IWF20	5378	
4.0 HP - 90CC - DT 4 / DT 4 J2	86 > 94	W16FP-U	4019	0,7	W16FPR-U	4192	IWF16	5359	
4.0 HP - DF4	03 > 04			0,8	W20EPR-U	3047	IW20	5306	
4.0 HP - DT4	88 > 98			0,7	W16FPR-U	4192	IWF16	5359	
5.0 HP - 1 CYL. - 138CC - DF 5	01 >			0,8	W20EPR-U	3047	IW20	5306	
5.0 HP - 1 CYL. - DT 5Y	86 > 98			0,7	W16FPR-U	4192	IWF16	5359	
5.0 HP - 113CC - DT 5	78 > 86	W20FP-U	3068	0,7	W20FPR-U	3070	IWF20	5378	
5.0 HP - DT5	86 > 96			0,7	W20FSR-U	6053	IWF22	5379	
5.0 HP - DT5	99 > 00			0,7	W16FPR-U	4192	IWF16	5359	
5.0 HP - DT5Y - 1 CYL.	99 > 02			1,0	W22FPR-U	4022	IWF22	5379	
6.0 HP - 165CC - DT 6	82 > 86	W20FP-U	3068	0,8	W20FPR-U	3070	IWF20	5378	
6.0 HP - DF6	03 > 04			0,8	W20EPR-U	3047	IW20	5306	
6.0 HP - DT6 - 2 CYL.	93 > 02			1,0	W20FSR-U	6053	IWF22	5379	
8.0 HP - 2 CYL. - DT 8 C OIL INJECTION	> 02			0,9	W20FSR-U	6053	IWF22	5379	
8.0 HP - 165CC - DT 8/ (NL DT 6+)	83 > 95	W20FP-U	3068	0,8	W20FPR-U	3070	IWF20	5378	
8.0 HP - 165CC - DT 8/ (NL DT 6+)	95 > 02	W20FP-U	3068	0,8	W20FPR-U	3070	IWF20	5378	
8.0 HP - DF8AR	> 10			0,8	U20ESR-N	4221	IU20	5360	
8.0 HP - DT8C - 2 CYL.	93 > 97			1,0	W20FSR-U	6053	IWF22	5379	
9.9 HP - 2 CYL. - 302CC - DF 9.9	94 >			0,9	XU20EPR-U	3178	IXU22	5308	
9.9 HP - 211CC - DT 9.9	95 >			0,7	W22FSR	4024	IWF22	5379	
9.9 HP - 211CC - DT 9.9 C	88 > 97			0,7	W20FSR-U	6053	IWF22	5379	
9.9 HP - DF9.9 - 2 CYL. 4 STROKE	96 > 04			0,9	XU20EPR-U	3178	IXU22	5308	
9.9 HP - DT9.9 - 2 CYL.	77 > 82			1,0	W22FSR	4024	IWF22	5379	
9.9 HP - DT9.9C - 2 CYL.	93 > 97			1,0	W20FSR-U	6053	IWF22	5379	
15 HP - 2 CYL. - 302CC - DF 15	94 >			0,9	XU20EPR-U	3178	IXU22	5308	
15 HP - 284CC - DT 15 C	89 > 97			0,7	W22FSR	4024	IWF22	5379	
15 HP - DF15 - 2 CYL. 4 STROKE	96 > 04			0,9	XU20EPR-U	3178	IXU22	5308	
15 HP - DT15C - 2 CYL.	92 > 97			1,0	W22FSR	4024	IWF22	5379	
25 HP - 3 CYL. - DF 25	00 >			0,9	XU20EPR-U	3178	IXU22	5308	
25 HP - 543CC - DT 25 C	89 > 98			0,7	W22FSR	4024	IWF22	5379	
25 HP - COM	> 10			---	U20FSR-U	4004	IUF22	5383	
25 HP - DF25 - 3 CYL. 4 STROKE	00 > 04			0,9	XU20EPR-U	3178	IXU22	5308	
25 HP - DT25C - 3 CYL.	93 > 95			1,0	W22FSR	4024	IWF22	5379	
25 HP - DT25C - 3 CYL.	96 > 00			1,0	W22FSR	4024	IWF22	5379	

SUZUKI <i>continued</i>	96 >	Standard	R	Alternative		
				W22FSR	IWF22	
30 HP - 3 CYL. - 543CC - DT 30 CR OIL INJECTION	96 >		1,0	W22FSR	4024 IWF22	5379
30 HP - 3 CYL. - DF 30	00 >		0,9	XU20EPR-U	3178 IXU22	5308
30 HP - 543CC - DT 30 C	89 > 98		0,7	W22FSR	4024 IWF22	5379
30 HP - DF30 - 3 CYL. 4 STROKE	00 > 04		0,9	XU20EPR-U	3178 IXU22	5308
30 HP - DT30C - 3 CYL.	93 > 95		1,0	W22FSR	4024 IWF22	5379
30 HP - DT30C - 3 CYL.	96 > 98		1,0	W22FSR	4024 IWF22	5379
35 HP - DT35	80 > 82		0,9	W24FSR	4037 IWF24	5380
40 HP - 3 CYL. - DF 40	00 >		0,9	XU20EPR-U	3178 IXU22	5308
40 HP - 696CC - DT 40 C	96 > 98		0,7	W24FSR	4037 IWF24	5380
40 HP - DF40 - 3 CYL. 4 STROKE	99 > 10		0,9	XU20EPR-U	3178 IXU22	5308
40 HP - DT40 - 2 CYL.	80 > 82		0,9	W24FSR	4037 IWF24	5380
40 HP - DT40C - 2 CYL.	> 93		0,9	W24FSR	4037 IWF24	5380
40 HP - DT40C - 2 CYL.	94 > 98		1,0	W24FSR-U10	6075 IWF24	5380
40 HP - PU40 - 2 CYL.	> 93		0,9	W24FSR	4037 IWF24	5380
40 HP - PU40 - 2 CYL.	94 > 95		1,0	W24FSR-U10	6075 IWF24	5380
46 HP - DF46	05 > 08		0,8	W20EPR-U	3047 IW20	5306
50 HP - 3 CYL. - DF 50	00 >		0,9	XU20EPR-U	3178 IXU22	5308
50 HP - DT 50 ACR	94 > 95		0,9	W24FSR	4037 IWF24	5380
55 HP - 3 CYL. - DT 55	> 98		0,7	W24FSR	4037 IWF24	5380
55 HP - PU55 - 3 CYL.	94 > 95		1,0	W24FSR-U10	6075 IWF24	5380
60 HP - 4 CYL. - 1298CC - DF 60 (EFI)	97 >		0,8	W20EPR-U	3047 IW20	5306
65 HP - 3 CYL. - DT 65	93 > 98		0,7	W24FSR	4037 IWF24	5380
65 HP - DT65 - 3 CYL.	96 > 97		1,0	W24FSR-U10	6075 IWF24	5380
70 HP - 4 CYL. - 1298CC - DF 70 (EFI)	97 >		0,8	W20EPR-U	3047 IW20	5306
75 HP - DT 75 TC	94 > 95		1,0	W24FSR-U10	6075 IWF24	5380
80 HP - DF80A	09 > 10		0,9	XU20EPR-U	3178 IXU22	5308
85 HP - 3-CYL. - DT 85 MGOIL INJECTION	94 >		1,0	W24FSR-U10	6075 IWF24	5380
85 HP - DT85 - 3 CYL.	> 93		0,9	W24FSR	4037 IWF24	5380
85 HP - DT85 - 3 CYL.	94 > 00		1,0	W24FSR-U10	6075 IWF24	5380
85 HP - PU85 - 3 CYL.	94 > 97		1,0	W24FSR-U10	6075 IWF24	5380
90 HP - DF90 - 4 CYL. 4 STROKE	01 > 04		0,8	K20PR-U	3145	
90 HP - DF90A	09 > 10		0,9	XU20EPR-U	3178 IXU22	5308
90 HP - DT90 - V4	91 > 95		1,0	W24FSR-U10	6075 IWF24	5380
99 HP - COM	> 10		0,8	U20ESR-N	4221 IU20	5360
100 HP - 1419CC - DT 100	90 >		1,0	W24FSR-U10	6075 IWF24	5380
100 HP - DT100 - V4	89 > 90		1,0	W24FSR-U10	6075 IWF24	5380
100 HP - DT100 - V4	91 > 95		1,0	W24FSR-U10	6075 IWF24	5380
100 HP - DT100 - V4	96 > 00		1,0	W24FSR-U10	6075 IWF24	5380
115 HP - 4 CYL. - DF 115	00 >		0,8	K20PR-U	3145	
115 HP - 1773CC - DT 115	81 > 95		0,7	W24FSR	4037 IWF24	5380
115 HP - 1773CC - DT 115	96 > 98		1,0	W24FSR-U10	6075 IWF24	5380
115 HP - 1773CC - DT 115 C	91 >		1,0	W24FSR-U10	6075 IWF24	5380
115 HP - DT115 - 4 CYL.	91 > 97		1,0	W24FSR-U10	6075 IWF24	5380
115 HP - DT115S EFI - 4 CYL.	96 > 01		1,0	W24FSR-U10	6075 IWF24	5380
140 HP - 4 CYL. - DF 140 / DF 140 Z	02 >		0,8	K20PR-U	3145	
140 HP - 1773CC - DT 140	81 > 93		0,7	W24FSR	4037 IWF24	5380
140 HP - 1773CC - DT 140 C	91 >		0,7	W24FSR	4037 IWF24	5380
140 HP - DT140 - 4 CYL.	> 96		1,0	W24FSR-U10	6075 IWF24	5380
140 HP - DT140 - 4 CYL.	97 > 00		0,9	W24FSR	4037 IWF24	5380
140 HP - DT140 EFI - 4 CYL.	97 > 01		1,0	W24FSR-U10	6075 IWF24	5380
140 HP - DT 140 TC	91 >		1,0	W24FSR-U10	6075 IWF24	5380
140 HP - PU140 - 4 CYL.	89 > 95		1,0	W24FSR-U10	6075 IWF24	5380
140 HP - PU140 - 4 CYL.	96 > 97		1,0	W24FSR-U10	6075 IWF24	5380
150 HP - DT 150 / DT 150 EPI	96 > 98		1,0	W24FSR-U10	6075 IWF24	5380
150 HP - DT 150 C	98 >		1,0	W24FSR-U10	6075 IWF24	5380
150 HP - DT150 EFI - V6	87 > 03		1,0	W24FSR-U10	6075 IWF24	5380
150 HP - DT150 - V6	86 > 97		1,0	W24FSR-U10	6075 IWF24	5380
150 HP - DT150S EFI - V6	87 > 03		1,0	W24FSR-U10	6075 IWF24	5380
150 HP - DT150SS - V6	89 > 92		1,0	W24FSR-U10	6075 IWF24	5380
150 HP - V-6 - 2693CC - DT 150 S			0,7	W24FSR	4037 IWF24	5380
175 HP - DT 175 (... / TC)	95 >		1,0	W24FSR-U10	6075 IWF24	5380
175 HP - DT175 - V6	87 > 92		1,0	W24FSR-U10	6075 IWF24	5380
200 HP - DT 200 (TC / V)	95 >		1,0	W24FSR-U10	6075 IWF24	5380
200 HP - DT 200 / DT 200 EPI	91 >		1,0	W24FSR-U10	6075 IWF24	5380
200 HP - DT 200 C / T / TC / V	91 >		1,0	W24FSR-U10	6075 IWF24	5380
200 HP - V-6 24V - 3314CC - DF 200 / DF 200 Z (INJECTION)	03 >		0,8	K20PR-U	3145	
225 HP - DT225 - V6	87 > 03		1,0	W24FSR-U10	6075 IWF24	5380
225 HP - V-6 24V - 3314CC - DF 225 / DF 225 Z (INJECTION)	03 >		0,8	K20PR-U	3145	











































		Standard		R		Alternative		
								
SUZUKI <i>continued</i>								
225 HP - V-6 - 2963CC - 2-STROKE DT 225 EPI	91 >			1,0	W24FSR-U10	6075	IWF24	5380
250 HP - V-6 24V - 3314CC - DF 250 / DF 250 Z (INJECTION)	03 >			0,8	K20PR-U	3145		
TANAKA								
1.2 HP - TOB 12	72 > 89			0,6	W20MR-U	6025		
1.2 HP - TOB 120	81 > 92			0,6	W20MR-U	6025		
1.2 HP - TOB 120	93 > 98			0,6	W20MR-U	6025		
1.75 HP - TOB 175	81 > 90			0,6	W20MR-U	6025		
2.5 HP - TOB 25	73 > 79			0,6	W20MR-U	6025		
3.0 HP - TOB 300	81 > 92			0,6	W20MR-U	6025		
3.0 HP - TOB 300	93 > 99			0,6	W20MR-U	6025		
5.5 HP - TOB 550	84 > 88			0,6	W22FPR-U	4022	IWF22	5379
5.5 HP - TOB 550L	84 > 88			0,6	W22FPR-U	4022	IWF22	5379
TOHATSU								
2.0 HP - MFS2.0A - 4 STROKE	> 07			0,6	XU20EPR-U	3178	IXU22	5308
2.5 HP - M2.5A	97 > 07			1,0	W20FPR-U10	3268	IWF20	5378
2.5 HP - M2.5B - 4 STROKE				0,6	XU20EPR-U	3178	IXU22	5308
3.5 HP - M3.5A - 4 STROKE	97 > 07			1,0	W20FPR-U10	3268	IWF20	5378
3.5 HP - M3.5B	97 > 07			1,0	W20FPR-U10	3268	IWF20	5378
3.5 HP - MFS3.5A - 4 STROKE	> 07			0,6	XU20EPR-U	3178	IXU22	5308
4.0 HP - MFS4A2 - 4 STROKE	04 > 08			0,6	XU20EPR-U	3178	IXU22	5308
4.0 HP - MFS4A - 4 STROKE	00 > 08			0,6	XU20EPR-U	3178	IXU22	5308
5.0 HP - M5.0 / B / S				1,0	W22FPR-U	4022	IWF22	5379
5.0 HP - M5B - 2 STROKE	97 > 07			1,0	W22FPR-U	4022	IWF22	5379
5.0 HP - M5BS - 2 STROKE	> 07			1,0	W22FPR-U	4022	IWF22	5379
5.0 HP - MFS5 - 4 STROKE				0,6	XU20EPR-U	3178	IXU22	5308
5.0 HP - MFS5A2 - 4 STROKE	04 > 07			0,6	XU20EPR-U	3178	IXU22	5308
5.0 HP - MFS5A - 4 STROKE	99 > 07			0,6	XU20EPR-U	3178	IXU22	5308
6.0 HP - MFS6A2 - 4 STROKE	04 > 08			0,6	XU20EPR-U	3178	IXU22	5308
6.0 HP - MFS6A - 4 STROKE	04 > 08			0,6	XU20EPR-U	3178	IXU22	5308
8.0 HP - M8B	97 > 07			1,0	W22FPR-U	4022	IWF22	5379
8.0 HP - MSF8A - 4 STROKE	04 > 08			0,6	XU20EPR-U	3178	IXU22	5308
9.8 HP - M9.8B	00 > 07			1,0	W22FPR-U	4022	IWF22	5379
9.8 HP - MSF9.8A - 4 STROKE	04 > 08			0,6	XU20EPR-U	3178	IXU22	5308
9.9 HP - M9.9D2 - 2 STROKE				0,8	W22FSR	4024	IWF22	5379
9.9 HP - MFS9.9A - 4 STROKE	00 > 08			0,6	XU20EPR-U	3178	IXU22	5308
9.9 HP - MFS9.9B2 - 4 STROKE	04 > 08			0,6	XU20EPR-U	3178	IXU22	5308
9.9 HP - MFS9.9B - 4 STROKE	04 > 08			0,6	XU20EPR-U	3178	IXU22	5308
15 HP - M15B	> 07			0,8	W22FSR	4024	IWF22	5379
15 HP - M15D	00 > 01			0,8	W22FPR-U	4022	IWF22	5379
15 HP - M15D	97 > 99			0,8	W22FPR-U	4022	IWF22	5379
15 HP - MFS15A - 4 STROKE	00 > 07			0,6	XU20EPR-U	3178	IXU22	5308
15 HP - MFS15B2 - 4 STROKE	04 > 07			0,6	XU20EPR-U	3178	IXU22	5308
15 HP - MFS15B - 4 STROKE	04 > 07			0,6	XU20EPR-U	3178	IXU22	5308
15 HP - MFS15C - 4 STROKE				0,6	XU20EPR-U	3178	IXU22	5308
15 HP - MFS15D2 - 2 STROKE				0,8	W22FSR	4024	IWF22	5379
18 HP - M18C	> 07			0,8	W22FSR	4024	IWF22	5379
18 HP - M18E	00 > 01			0,8	W22FPR-U	4022	IWF22	5379
18 HP - M18E	96 > 99			0,8	W22FSR	4024	IWF22	5379
18 HP - MFS18B2 - 4 STROKE	04 > 08			0,6	XU20EPR-U	3178	IXU22	5308
18 HP - MFS18B - 4 STROKE	04 > 08			0,6	XU20EPR-U	3178	IXU22	5308
20 HP - MFS20C - 4 STROKE				0,6	XU20EPR-U	3178	IXU22	5308
25 HP - M25C2 - 2 STROKE				1,0	W22FPR-U	4022	IWF22	5379
25 HP - M25C3	97 > 07			0,8	W22FSR	4024	IWF22	5379
25 HP - M25C4	00 > 01			0,8	W22FSR	4024	IWF22	5379
25 HP - MFS25A & MFS25B - 4 STROKE	04 > 08			0,6	XU20EPR-U	3178	IXU22	5308
30 HP - M30A3	97 > 99			0,8	W22FSR	4024	IWF22	5379
30 HP - M30A4	00 > 07			0,8	W22FSR	4024	IWF22	5379
30 HP - MFS30A & MFS30B - 4 STROKE	04 > 07			0,6	XU20EPR-U	3178	IXU22	5308
35 HP - M35 / A		W22FP-U	4021	0,6	W22FPR-U	4022	IWF22	5379
35 HP - M35 / B				1,0	W22FSR	4024	IWF22	5379
40 HP - M40C	> 07			0,8	W22FSR	4024	IWF22	5379
40 HP - M40D	97 > 06			0,8	W22FSR	4024	IWF22	5379
40 HP - M40D2	04 > 07			0,8	W22FSR	4024	IWF22	5379
40 HP - MD40A TLDI	04 > 07			1,1	KJ20CR-L11	3169	IK20	5304
42 HP - MFS4A2 - 4 STROKE				0,6	XU20EPR-U	3178	IXU22	5308
50 HP - M50D	97 > 06			1,0	W24FSR-U10	6075	IWF24	5380
50 HP - M50D2	04 > 07			1,0	W24FSR-U10	6075	IWF24	5380
50 HP - MD50A TLDI	04 > 07			1,1	KJ20CR-L11	3169	IK20	5304

Image	Model	Standard			R	Alternative			
		Image	Image	Image		Image	Image	Image	
TOHATSU <i>continued</i>									
	52 HP - MFS5A2S - 4 STROKE				0,6	XU20EPR-U	3178	IXU22	5308
	60 HP- M60A - 2 STROKE				1,0	W24FSR-U10	6075	IWF24	5380
	60 HP - M60C	> 07			1,0	W24FSR-U10	6075	IWF24	5380
	62 HP - MFS6A2S - 4 STROKE				0,6	XU20EPR-U	3178	IXU22	5308
	70 HP - M70B	97 > 06			1,0	W24FSR-U10	6075	IWF24	5380
	70 HP - M70C	00 > 07			1,0	W24FSR-U10	6075	IWF24	5380
	83 HP - MFS8A3 - 4 STROKE				0,6	XU20EPR-U	3178	IXU22	5308
	90 HP - M90A	97 > 07			1,0	W24FSR-U10	6075	IWF24	5380
	115 HP - M115A2	04 > 06			1,0	W24FSR-U10	6075	IWF24	5380
	115 HP - M115A2	97 > 01			1,0	W24FSR-U10	6075	IWF24	5380
	120 HP - M120A2	97 > 99			1,0	W24FSR-U10	6075	IWF24	5380
	120 HP- M120A2	> 07			1,0	W24FSR-U10	6075	IWF24	5380
	140 HP - M140A2	97 > 06			1,0	W24FSR-U10	6075	IWF24	5380
TOMOS									
	4				0,8	W16PR-U	3037		
	5 H.P.5 / TS4 / LAMO 06N				0,6	W22FSR	4024	IWF22	5379
	5.5				0,8	W16PR-U	3037		
	7.5				0,8	W16PR-U	3037		
	18				1,0	W22FPR-U	4022	IWF22	5379
	18E				1,0	W22FPR-U	4022	IWF22	5379
	T10				0,6	W22FSR	4024	IWF22	5379
	T18				0,6	W22FSR	4024	IWF22	5379
TRITON									
	4.0 HP				0,8	W20PR-U	5046		
	5.5 HP				0,8	W20PR-U	5046		
	7.5 HP				0,8	W20PR-U	5046		
VALMET									
	TERHI 3				0,7	W16PR-U	3037		
VALMET OY									
	3				0,7	W16PR-U	3037		
	3.5		W20S-U	3075	0,5	W20SR-U	3076		
	50		W16FP-U	4019	0,5	W16FPR-U	4192	IWF16	5359
VIKING									
	3.5		W16LS	3035	0,8				
	6		W16LS	3035	0,8				
	9		W16LS	3035	0,8				
	15		W16LS	3035	0,8				
	20	67 >	W22S-U	4027	0,8				
	35	67 >	W22S-U	4027	0,8				
VOLVO PENTA									
	80	74 >	W16FS-U	3034	0,5	W16FSR	3033		
	90		W16FS-U	3034	0,5	W16FSR	3033		
	140 / 150 / 151 / 180 / 181		W16FS-U	3034	0,5	W16FSR	3033		
	210 / 211 / 212		W16FS-U	3034	0,5	W16FSR	3033		
	240 / 241		W22FP-U	4021	0,7	W22FPR-U	4022	IWF22	5379
	250 / 252	75 >	W22FP-U	4021	0,5	W22FPR-U	4022	IWF22	5379
VOYAGER									
	1VA / 1VB / 2VA / V2L / V2LL / V2N / V4GS		M17	5002	0,8				
	3.5	61 >	W20S-U	3075	0,8	W20SR-U	3076		
	V3LGS / V3LLGS / V3NGS		W20S-U	3075	0,8	W20SR-U	3076		
	V4LLGS / V4NGS / V6LLGS / V6NGS		W20S-U	3075	0,8	W20SR-U	3076		
WIZARD									
	3.0 HP	> 76			0,8	W20PR-U	5046		
	3.0 HP	70 > 74			0,8	W20PR-U	5046		
	3.5 HP	70 > 74			0,8	W20PR-U	5046		
	4.5 HP	75 > 76			0,8	W20PR-U	5046		
	5.0 HP	70 > 74			0,9	W20PR-U	5046		
	5.0 HP	77 > 81			0,8	W20PR-U	5046		
	5.5 HP	75 > 76			0,8	W20PR-U	5046		
	7.0 HP	70 > 74			0,9	W20PR-U	5046		
	7.5 HP	70 > 76			0,8	W20PR-U	5046		
	7.5 HP	77 > 81			0,8	W20PR-U	5046		
	9.9 HP	70 > 76			0,8	W20PR-U	5046		
	9.9 HP	77 > 78			0,8	W20PR-U	5046		
YAMAHA									
	2HP - B	87 >	W16FS-U	3034	0,6	W16FSR	3033		
	2.5 HP - 1 CYL. - 197CC - F 2.5	00 >			1,0	W20FSR-U	6053	IWF22	5379
	2.5 HP - F2.5 4 STROKE	03 > 05			0,6	W20FSR-U	6053	IWF22	5379

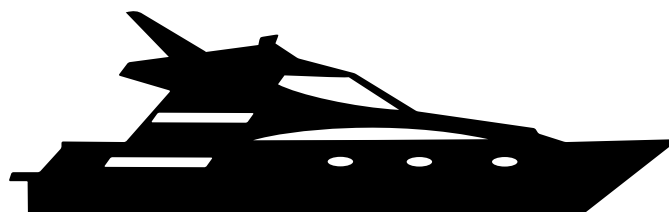
		Standard			Alternative	
						
YAMAHA continued						
2.5 HP - F2.5 MSH	06 > 10			0,6	W20FSR-U	6053 IWF22 5379
4.0 HP - 1 CYL. - 112CC - F 4 /-A	97 >			0,7	W20FSR-U	6053 IWF22 5379
4.0 HP - F4 1 CYL. 4 STROKE	99 > 05			0,6	W20FSR-U	6053 IWF22 5379
6.0 HP - 2 CYL. - 197CC - F 6 /-A	00 >			0,9	W20FSR-U	6053 IWF22 5379
8.0 HP - 2 CYL. - 232CC - F 8(A / AEM / AM)				0,6	U16FSR-U	4171
8.0 HP - 2 CYL. - 232CC - F 8(B / BE / BM)				0,6	U20FSR-U	4004 IUF22 5383
8.0 HP - F8C, M	06 > 10			1,0	W20FSR-U	6053 IWF22 5379
8.0 HP - T8	06 > 10			1,0	W20FSR-U	6053 IWF22 5379
8.0 HP - T8 OHV 4 STROKE HIGH THRUST	01 > 05			1,0	W20FSR-U	6053 IWF22 5379
9.0 HP - F9.9 - 2 CYL. - OHC 4 STROKE STANDARD	> 05			0,9	X20EPR-U9	4125
9.0 HP - F9.9 - 2 CYL. - OHC 4 STROKE STANDARD	85 > 04			0,6	U20FSR-U	4004 IUF22 5383
9.0 HP - FT9.9 - 2 CYL. - OHC 4 STROKE STANDARD	> 05			0,9	X20EPR-U9	4125
9.0 HP - FT9.9 - 2 CYL. - OHC 4 STROKE STANDARD	85 > 04			0,6	U20FSR-U	4004 IUF22 5383
9.0 HP - T9.9 - 2 CYL. - OHC 4 STROKE HIGH THRUST	> 05			0,9	X20EPR-U9	4125
9.0 HP - T9.9 - 2 CYL. - OHC 4 STROKE HIGH THRUST	85 > 04			0,6	U20FSR-U	4004 IUF22 5383
9.9 HP - 2 CYL. - 232CC - 4-STROKE F 9.9 (A)				0,6	U20FSR-U	4004 IUF22 5383
9.9 HP - 2 CYL. - 232CC - F 9.9 (B / C) / FT 9.9 D (COLD CLIMATE / LOW LOAD = OPTION)				0,6	U16FSR-U	4171
9.9 HP - 2 CYL. - 232CC - F 9.9 (B / C) / FT 9.9 D (STANDARD)				0,6	U20FSR-U	4004 IUF22 5383
9.9 HP - 2 CYL. - 246CC - 2-STROKE 9.9 F / 15 F	95 >			1,0	W22FSR	4024 IWF22 5379
9.9 HP - F9.9D - 2 CYL. - 4 STROKE	> 05			0,9	U20FSR-U	4004 IUF22 5383
9.9 HP - F9.9ELR, MLH, MSH	06 > 10			0,9	U20FSR-U	4004 IUF22 5383
9.9 HP - F9.9ELR2, ELR2K	06 > 10			0,9	X20EPR-U9	4125
9.9 HP - F9.9F	06 > 10			1,0	W20FSR-U	6053 IWF22 5379
9.9 HP - F9.9MLH2, MLH2K	06 > 10			0,9	X20EPR-U9	4125
9.9 HP - F9.9MSH2, MSH2K	06 > 10			0,9	X20EPR-U9	4125
9.9 HP - T9.9D - 2 CYL. - 4 STROKE	> 05			0,9	U20FSR-U	4004 IUF22 5383
9.9 HP - T9.9ELH, ELR, EXH	06 > 10			0,9	U20FSR-U	4004 IUF22 5383
9.9 HP - T9.9ELH2, ELH2K	06 > 10			0,9	X20EPR-U9	4125
9.9 HP - T9.9ELR2, ELR2K	06 > 10			0,9	X20EPR-U9	4125
9.9 HP - T9.9EXH2, EXH2K	06 > 10			0,9	X20EPR-U9	4125
15 HP - 2 CYL. - 246CC - 2-STROKE 15 F	95 >			1,0	W22FSR	4024 IWF22 5379
15 HP - 2 CYL. - 323CC - 4-STROKE F 15 A	97 >			0,9	X20EPR-U9	4125
15 HP - F15 - 2 CYL. - 4 STROKE	98 > 04			0,9	X20EPR-U9	4125
15 HP - F15E, M, P	06 > 10			0,9	X20EPR-U9	4125
20 HP - C20 - 2 CYL.	> 96			0,6	W22FSR	4024 IWF22 5379
22 HP - B	> 84	W16FS-U	3034	0,6	W16FSR	3033
25 HP - 2 CYL. - 498CC - F 25 / F 25 A / F 25 B / F 25 T / T25	97 >			0,9	X20EPR-U9	4125
25 HP - F25 - 2 CYL. - OHC 4 STROKE	98 > 05			0,9	X20EPR-U9	4125
25 HP - Q	95 >			1,0	W24FSR-U10	6075 IWF24 5380
30 HP - 3 CYL. - 747CC - F 30 / F 30 A	00 >			0,9	X20EPR-U9	4125
30 HP - DETOL				1,0	W24FSR-U10	6075 IWF24 5380
30 HP - F30 - OHC 4 STROKE	01 > 05			0,9	X20EPR-U9	4125
30 HP - F30TLR	06 > 10			0,9	X20EPR-U9	4125
30 HP - G / C 30	95 >			1,0	W24FSR-U10	6075 IWF24 5380
40 HP - 3 CYL. - 698CC - 40 V	95 >			1,0	W22FSR	4024 IWF22 5379
40 HP - 3 CYL. - 747CC - F 40 / F 40 A / F40 B	00 >			0,9	X20EPR-U9	4125
40 HP - F40 - 3 CYL. - 4 STROKE	00 > 05			0,9	X20EPR-U9	4125
40 HP - F40 - 4 CYL. - 4 STROKE	99 >			0,9	X20EPR-U9	4125
45 HP - F45	94 >			0,9	X20EPR-U9	4125
50 HP - 2 CYL. - 698CC - 50 H / 50 HE / 50 HM	95 >			1,0	W24FSR-U10	6075 IWF24 5380
50 HP - 3 CYL. - 2 STROKE	84 > 05			1,0	W24FSR-U10	6075 IWF24 5380
50 HP - 3 CYL. - 849CC - 50 G / 50H / 50 HE / 50 HM	95 >			1,0	W24FSR-U10	6075 IWF24 5380
50 HP - 4 CYL. - 935CC - F 50 A	94 >			0,9	X20EPR-U9	4125
50 HP - 4 CYL. - 935CC - F 50 B/T50 / FT 50 (B, C) / F 50 F	96 >			0,9	X20EPR-U9	4125
50 HP - 4 CYL. - OHC F50STANDARD	95 > 99			0,9	X20EPR-U9	4125
50 HP - 4 CYL. - OHC T50HIGH THRUST	96 > 99			0,9	X20EPR-U9	4125
50 HP - C50 - 3 CYL.	> 98			1,0	W24FSR-U10	6075 IWF24 5380
50 HP- F50 - 4 CYL. - 4 STROKE OHC STANDARD	95 > 04			0,9	X20EPR-U9	4125
50 HP- P50 - 3 CYL.	87 > 96			1,0	W24FSR-U10	6075 IWF24 5380
50 HP - T50 - 4 CYL. - 4 STROKE OHC HIGH THRUST	95 > 04			0,9	X20EPR-U9	4125
55 HP - B	90 >			1,0	W24FSR-U10	6075 IWF24 5380
60 HP - 3 CYL. - 849CC - 60 F /60 F...	95 >			1,0	W24FSR-U10	6075 IWF24 5380
60 HP - 4 CYL. - 996CC - F 60 / F 60 A / F 60 B / F 60 C	02 >			0,9	X20EPR-U9	4125
60 HP -7060 F / FEO / FO / FETO - 70 CE / ETO				1,0	W24FSR-U10	6075 IWF24 5380
60 HP- F60 4 STROKE	02 > 04			0,9	X16EPR-U9	4190
60 HP- T60 4 STROKE	03 > 04			0,9	X16EPR-U9	4190
70 HP - B / BEO / BETO / BO / C / CE / ETO				1,0	W24FSR-U10	6075 IWF24 5380

		Standard			R			Alternative		
										
YAMAHA continued										
75 HP - 3 CYL. - 1140CC - 75 C	95 >			1,0	W24FSR-U10	6075	IWF24	5380		
75 HP - F75 4 STROKE	03 > 05			1,1	K16HPR-U11	6076	IKH16	5343		
75 HP - F75TLR	06 > 10			1,1	K16HPR-U11	6076	IKH16	5343		
80 HP - 4 CYL. - 1596CC - F 80 / F 80 A / F 80 B	99 >			1,1	K16HPR-U11	6076	IKH16	5343		
80 HP - A / AEO / AETO / AO				1,0	W24FSR-U10	6075	IWF24	5380		
85 HP - A / AE / AET				1,0	W24FSR-U10	6075	IWF24	5380		
90 HP - A / AEO / AETO / AO				1,0	W24FSR-U10	6075	IWF24	5380		
90 HP - F90 4 STROKE	03 > 05			1,1	K16HPR-U11	6076	IKH16	5343		
90 HP - F90TJR, TLR, TXR	06 > 10			1,1	K16HPR-U11	6076	IKH16	5343		
100 HP - 4 CYL. - 1596CC - F 100 / F 100 D	98 >			1,1	K16HPR-U11	6076	IKH16	5343		
100 HP - F100	99 > 02			1,1	K16HPR-U11	6076	IKH16	5343		
115 HP - 4 CYL. - 1741CC - F 115 / F 115 A	98 >			1,1	K20HR-U11	3381	IKH20	5344		
115 HP - 115 / P115 V4 - 1.7L	84 > 05			1,0	W24FSR-U10	6075	IWF24	5380		
115 HP - 115TJR V4 - 1.7L	87 > 97			1,0	W24FSR-U10	6075	IWF24	5380		
115 HP - 115TLR, TXR	06 > 10			1,0	W24FSR-U10	6075	IWF24	5380		
115 HP - B / BETO / C / CEO / CETO				1,0	W24FSR-U10	6075	IWF24	5380		
115 HP - B115 V4 - 1.7L	98 > 99			1,0	W24FSR-U10	6075	IWF24	5380		
115 HP - C115 V4 - 1.7L	91 > 00			1,0	W24FSR-U10	6075	IWF24	5380		
115 HP - F115 - V4 - 1.7L	00 > 05			1,1	K20HR-U11	3381	IKH20	5344		
115 HP - F115 V4 - 1.7L	00 > 05			1,1	K20HR-U11	3381	IKH20	5344		
115 HP - F115TJR, TLR, TXR	06 > 10			1,1	K20HR-U11	3381	IKH20	5344		
115 HP - LF115 - V4 - 1.7L	00 > 05			1,1	K20HR-U11	3381	IKH20	5344		
115 HP - LF115 V4 - 1.7L	00 > 05			1,1	K20HR-U11	3381	IKH20	5344		
115 HP - LF115TXR	06 > 10			1,1	K20HR-U11	3381	IKH20	5344		
115 HP - P115 V4 - 1.7L	93 > 96			1,0	W24FSR-U10	6075	IWF24	5380		
115 HP - S115 V4 - 1.7L	84 > 99			1,0	W24FSR-U10	6075	IWF24	5380		
130 HP - 130 V4 - 1.7L	88 > 04			1,0	W27FSR-U10	6055	IWF27	5381		
130 HP - B / 130 BETO (L130B)				1,0	W27FSR-U10	6055	IWF27	5381		
130 HP - L130 V4 - 1.7L	89 > 01			1,0	W27FSR-U10	6055	IWF27	5381		
130 HP - S130 V4 - 1.7L	88 > 99			1,0	W27FSR-U10	6055	IWF27	5381		
150 HP - 150 V6 - 2.6L	84 > 87			1,0	W22FSR	4024	IWF22	5379		
150 HP - 150 V6 - 2.6L	88 > 95			1,0	W24FSR-U10	6075	IWF24	5380		
150 HP - 150 V6 - 2.6L	96 > 04			1,0	W22FSR	4024	IWF22	5379		
150 HP - 150TJR V6 - 2.6L	96 > 97			1,0	W22FSR	4024	IWF22	5379		
150 HP - 150TXR	06 > 10			1,0	W22FSR	4024	IWF22	5379		
150 HP - C / CL(L150C)				1,0	W24FSR-U10	6075	IWF24	5380		
150 HP - C150 V6 - 2.6L	> 96			1,0	W22FSR	4024	IWF22	5379		
150 HP - C150 V6 - 2.6L	97 > 99			1,0	W24FSR-U10	6075	IWF24	5380		
150 HP - D150 V6 - 2.6L	97 > 99			1,0	W24FSR-U10	6075	IWF24	5380		
150 HP - DX150 V6 - 2.6L	99 > 05			1,0	W22FSR	4024	IWF22	5379		
150 HP - F150 - 4 STROKE	04 > 05			1,1	K16HPR-U11	6076	IKH16	5343		
150 HP - F150TJR, TLR, TXR	06 > 10			1,1	K16HPR-U11	6076	IKH16	5343		
150 HP - V150 V6 - 2.6L	99 > 05			1,0	W22FSR	4024	IWF22	5379		
150 HP - V150TLR	06 > 10			1,0	W22FSR	4024	IWF22	5379		
150 HP - L150 V6 - 2.6L	86 > 87			1,0	W22FSR	4024	IWF22	5379		
150 HP - L150 V6 - 2.6L	88 > 95			1,0	W24FSR-U10	6075	IWF24	5380		
150 HP - L150 V6 - 2.6L	96 > 99			1,0	W22FSR	4024	IWF22	5379		
150 HP - LF150 V6 - 2.6L	04 > 05			1,1	K16HPR-U11	6076	IKH16	5343		
150 HP - LF150TXR	06 > 10			1,1	K16HPR-U11	6076	IKH16	5343		
150 HP - LX150 V6 - 2.6L	99 > 04			0,6	W22FSR	4024	IWF22	5379		
150 HP - LZ150 V6 - 2.6L	02 > 05			---	K20TXR	5063	IK20	5304		
150 HP - LZ150TX HPDI (— > 800554) HPDI	00 > 01			1,1	K20PR-U11	3121	IK20	5304		
150 HP - LZ150TX HPDI (800555— >) HPDI	> 01			---	K20TXR	5063	IK20	5304		
150 HP - LZ150TXR	06 > 10			---	K20TXR	5063	IK20	5304		
150 HP - P150 V6 - 2.6L	86 > 95			1,0	W24FSR-U10	6075	IWF24	5380		
150 HP - P150 V6 - 2.6L	96 > 99			1,0	W22FSR	4024	IWF22	5379		
150 HP - PX150 V6 - 2.6L	> 99			0,6	W22FSR	4024	IWF22	5379		
150 HP - S150 V6 - 2.6L	94 > 99			1,0	W22FSR	4024	IWF22	5379		
150 HP - SX150 V6 - 2.6L	99 > 04			1,0	W22FSR	4024	IWF22	5379		
150 HP - V-6 - 2596CC - Z 150HDPI	00 > 01			1,1	K20PR-U11	3121	IK20	5304		
150 HP - V-6 - 2596CC - Z 150HDPI	01 >			1,0	K20TNR-S	0	IK20	5304		
150 HP - VX150 V6 - 2.6L	00 > 05			1,0	W22FSR	4024	IWF22	5379		
150 HP - VZ150 HPDI	02 > 05			---	K20TXR	5063	IK20	5304		
150 HP - VZ150T HPDI (— > 800711) HPDI	00 > 01			1,1	K20PR-U11	3121	IK20	5304		
150 HP - VZ150T HPDI (800712— >) HPDI	> 01			---	K20TXR	5063	IK20	5304		
150 HP - VZ150TLR	06 > 10			---	K20TXR	5063	IK20	5304		
150 HP - Z150TL HPDI	02 > 05			---	K20TXR	5063	IK20	5304		
150 HP - Z150TL HPDI (— > 800452) HPDI	00 > 01			1,1	K20PR-U11	3121	IK20	5304		











		Standard			Alternative	
						
YAMAHA continued						
150 HP - Z150TL HPDI (800453 – >) HPDI	> 01			---	K20TXR	5063 IK20 5304
150 HP - Z150TX HPDI (– > 851535) HPDI	00 > 01			1,1	K20PR-U11	3121 IK20 5304
150 HP - Z150TX HPDI (851536 – >) HPDI	> 01			---	K20TXR	5063 IK20 5304
150 HP - Z150TXR	06 > 10			---	K20TXR	5063 IK20 5304
175 HP - A / AET / AETO / AO / B / BETO				1,0	W24FSR-U10	6075 IWF24 5380
175 HP - V6 - 2.6L	84 > 00			1,0	W24FSR-U10	6075 IWF24 5380
175 HP - V175 V6 - 2.6L	> 00			1,0	W24FSR-U10	6075 IWF24 5380
175 HP - P175 V6 - 2.6L	94 > 99			1,0	W24FSR-U10	6075 IWF24 5380
175 HP - S175 / T175 / P175 V6 - 2.6L	94 > 99			1,0	W24FSR-U10	6075 IWF24 5380
175 HP - S175 V6 - 2.6L	> 99			1,0	W24FSR-U10	6075 IWF24 5380
175 HP - V-6 - 2596CC - Z 175HDPI	00 > 01			1,1	K22PR-U11	3192 IK22 5310
175 HP - V-6 - 2596CC - Z 175HDPI	01 >			1,0	K22TNR-S	3197 IK22 5310
175 HP - VZ175TL HPDI (800105 – > TO 800201) HPDI	> 01			1,1	K22PR-U11	3192 IK22 5310
175 HP - VZ175TL HPDI (800202 – >) HPDI	> 01			---	K22TNR-S	3197 IK22 5310
175 HP - VZ175TLR	06 > 10			---	K22TNR-S	3197 IK22 5310
175 HP - Z175TXR	06 > 10			---	K22TNR-S	3197 IK22 5310
200 HP - 200 / L200 / S200 V6 - 2.6L	84 > 99			1,0	W24FSR-U10	6075 IWF24 5380
200 HP - 200TJR V6 - 2.6L	87 > 95			1,0	W24FSR-U10	6075 IWF24 5380
200 HP - B(L200B)				1,0	W24FSR-U10	6075 IWF24 5380
200 HP - C	94 >			1,0	W27FSR-U10	6055 IWF27 5381
200 HP - F200 4 STROKE	02 > 05			1,1	K16HPR-U11	6076 IKH16 5343
200 HP - F200TXR	06 > 10			1,1	K16HPR-U11	6076 IKH16 5343
200 HP - V200 V760 EFI V6 - 2.6L	98 > 99			1,0	W24FSR-U10	6075 IWF24 5380
200 HP - L 200 AETO / BETO				1,0	W24FSR-U10	6075 IWF24 5380
200 HP - LF200	02 > 05			1,1	K16HPR-U11	6076 IKH16 5343
200 HP - LF200TXR	06 > 10			1,1	K16HPR-U11	6076 IKH16 5343
200 HP - LX200 V6 - 2.6L	99 > 01			1,0	W24FSR-U10	6075 IWF24 5380
200 HP - LZ200	02 > 05			---	K22TNR-S	3197 IK22 5310
200 HP - LZ200TX HPDI (2000 – > 100874) HPDI	00 > 01			1,1	K22PR-U11	3192 IK22 5310
200 HP - LZ200TX HPDI (100875 – >) HPDI	> 01			---	K22TNR-S	3197 IK22 5310
200 HP - LZ200TXR	06 > 10			---	K22TNR-S	3197 IK22 5310
200 HP - P200 V6 - 2.6L	91 > 95			1,0	W27FSR-U10	6055 IWF27 5381
200 HP - P200 V6 - 2.6L	96 > 99			1,0	W24FSR-U10	6075 IWF24 5380
200 HP - SX200 V6 - 2.6L	99 > 05			1,0	W24FSR-U10	6075 IWF24 5380
200 HP - V-6 - 2596CC - Z 200HDPI	00 > 01			1,1	K22PR-U11	3192 IK22 5310
200 HP - V-6 - 2596CC - Z 200HDPI	01 >			1,0	K22TNR-S	3197 IK22 5310
200 HP - V-6 - 3352CC - F 200 / F 200 A / L 200(V-6 24VEFI)	02 >			1,1	K16HPR-U11	6076 IKH16 5343
200 HP - VX200D V6 - 3.3L	> 05			1,0	W24FSR-U10	6075 IWF24 5380
200 HP - VX200 V6 - 3.1L	00 > 05			1,0	W24FSR-U10	6075 IWF24 5380
200 HP - VZ200 V6 - 2.6L	00 > 04			---	K22TNR-S	3197 IK22 5310
200 HP - VZ200 V6 - 3.3L	> 05			---	K20TXR	5063 IK20 5304
200 HP - VZ200RTL, TLR	06 > 10			---	K20TXR	5063 IK20 5304
200 HP - Z200	02 > 05			1,0	K22TNR-S	3197 IK22 5310
200 HP - Z200TL HPDI (2000 – > 150689) HPDI	00 > 01			1,1	K22PR-U11	3192 IK22 5310
200 HP - Z200TL HPDI (150690 – >) HPDI	> 01			---	K22TNR-S	3197 IK22 5310
200 HP - Z200TLR, TXR	06 > 10			---	K22TNR-S	3197 IK22 5310
200 HP - Z200TX HPDI (2000 – > 102420) HPDI	00 > 01			1,1	K22PR-U11	3192 IK22 5310
200 HP - Z200TX HPDI (102421 – >) HPDI	> 01			---	K22TNR-S	3197 IK22 5310
220 HP - 220 V6 SPECIAL	84 > 86			1,0	W24FSR-U10	6075 IWF24 5380
220 HP - A / AET				1,0	W24FSR-U10	6075 IWF24 5380
225 HP - 225 / EXCEL RESISTOR REQUIRED V6 - 2.6L	87 > 95			1,0	W27FSR-U10	6055 IWF27 5381
225 HP - 225X V6 - 3.1L	94 > 99			1,0	W27FSR-U10	6055 IWF27 5381
225 HP - 225L 20" SHAFT ONLY V6 - 2.6L	94 > 98			1,0	W24FSR-U10	6075 IWF24 5380
225 HP - 2600CC 225	87 > 95			1,0	W27FSR-U10	6055 IWF27 5381
225 HP - 2600CC 225	96 > 97			1,0	W24FSR-U10	6075 IWF24 5380
225 HP - 3100CC 225 / S 225	94 > 96			1,0	W24FSR-U10	6075 IWF24 5380
225 HP - 3100CC 225 / S 225 / SL225 / SX 225	97 >			1,0	W27FSR-U10	6055 IWF27 5381
225 HP - AETO				1,0	W24FSR-U10	6075 IWF24 5380
225 HP - B / 225 G	94 >			1,0	W27FSR-U10	6055 IWF27 5381
225 HP - F225TLR	06 > 10			1,1	K20HR-U11	3381 IKH20 5344
225 HP - F225TUR, TXR	06 > 10			1,1	K16HPR-U11	6076 IKH16 5343
225 HP - I225	94 > 95			1,0	W24FSR-U10	6075 IWF24 5380
225 HP - V225 / VX225	98 >			1,0	W27FSR-U10	6055 IWF27 5381
225 HP - V225 V760 EFI V6 - 3.1L	97 > 01			1,0	W27FSR-U10	6055 IWF27 5381
225 HP - L225 V6 - 3.1L	94 > 99			1,0	W27FSR-U10	6055 IWF27 5381
225 HP - LF225	02 > 05			1,1	K16HPR-U11	6076 IKH16 5343
225 HP - LF225TUR, TXR	06 > 10			1,1	K16HPR-U11	6076 IKH16 5343
225 HP - LX225	02 > 03			1,1	K16HPR-U11	6076 IKH16 5343









		Standard			R	Alternative		
								
YAMAHA continued								
225 HP - LX225 V6 - 3.1L	97 > 02			1,0	W27FSR-U10	6055	IWF27	5381
225 HP - S225 V6 - 3.1L	94 > 99			1,0	W27FSR-U10	6055	IWF27	5381
225 HP - SX225 V6 - 3.1L	97 > 02			1,0	W27FSR-U10	6055	IWF27	5381
225 HP - V-6 - 3352CC - F 225 / F 225 A/L225	02 >			1,1	K16HPR-U11	6076	IKH16	5343
225 HP - VX225 V760 EFI V6 - 3.1L	97 > 04			1,0	W27FSR-U10	6055	IWF27	5381
225 HP - VZ225	03 > 04			---	K20TXR	5063	IK20	5304
225 HP - VZ225HTLR, TLR	06 > 10			---	K20TXR	5063	IK20	5304
250 HP - 250 / L250 V6 - 3.1L	90 > 95			1,0	W24FSR-U10	6075	IWF24	5380
250 HP - F250	> 05			1,1	K16HPR-U11	6076	IKH16	5343
250 HP - F250BTUR, BTXR	06 > 10			1,1	K20HR-U11	3381	IKH20	5344
250 HP - F250TUR, TXR	06 > 10			1,1	K20HR-U11	3381	IKH20	5344
250 HP - L250 / S250 V6 - 3.1L	97 > 99			1,0	W27FSR-U10	6055	IWF27	5381
250 HP - LF250	> 05			1,1	K16HPR-U11	6076	IKH16	5343
250 HP - LF250BTUR, BTXR	06 > 10			1,1	K20HR-U11	3381	IKH20	5344
250 HP - LF250TUR, TXR	06 > 10			1,1	K20HR-U11	3381	IKH20	5344
250 HP - LX250 V6 - 3.1L	97 > 03			1,0	W27FSR-U10	6055	IWF27	5381
250 HP - LZ250 / Z250 3.3L	03 > 05			---	K20TXR	5063	IK20	5304
250 HP - LZ250TUR, TXR	06 > 10			---	K20TXR	5063	IK20	5304
250 HP - S/L 250/SX/LX 250	97 >			1,0	W27FSR-U10	6055	IWF27	5381
250 HP - S250 V6 - 3.1L	90 > 96			1,0	W24FSR-U10	6075	IWF24	5380
250 HP - SX250 V6 - 3.1L	97 > 03			1,0	W27FSR-U10	6055	IWF27	5381
250 HP - V-6 - 2596CC - Z 250 HDPI	01 >			1,1	K22TNR-S	3197	IK22	5310
250 HP - VX 250	02 >			1,0	W27FSR-U10	6055	IWF27	5381
250 HP - VX250 V6 - 3.1L	02 > 04			1,0	W27FSR-U10	6055	IWF27	5381
250 HP - VZ250	03 > 05			---	K20TXR	5063	IK20	5304
250 HP - VZ250FTLR, TLR	06 > 10			---	K20TXR	5063	IK20	5304
250 HP - Z250TUR, Z250TXR	06 > 10			---	K20TXR	5063	IK20	5304
300 HP - F300TUR, TXR	06 > 10			1,1	K20HR-U11	3381	IKH20	5344
300 HP - LF300TUR, TXR	06 > 10			1,1	K20HR-U11	3381	IKH20	5344
300 HP - LX300 / Z300 3.3L	04 > 05			---	K20TXR	5063	IK20	5304
300 HP - LZ300TUR, TXR	06 > 10			---	K20TXR	5063	IK20	5304
300 HP - V-6 - 2596CC - Z 300 HDPI	01 >			1,1	K22TNR-S	3197	IK22	5310
300 HP - VZ300	04 > 05			---	K20TXR	5063	IK20	5304
300 HP - VZ300BTLR, LTR	06 > 10			---	K20TXR	5063	IK20	5304
300 HP - Z300TUR, Z300TXR	06 > 10			---	K20TXR	5063	IK20	5304
350 HP - F350TUR, TXR	06 > 10			1,1	K20HR-U11	3381	IKH20	5344
350 HP - LF350TUR, TXR	06 > 10			1,1	K20HR-U11	3381	IKH20	5344
V6 EXCEL	87 > 89			1,0	W27FSR-U10	6055	IWF27	5381
ZÜNDAPP								
304-03L5 / L6		W16FS-U	3034	0,4	W16FSR	3033		
304-04L5 / L6		W16FS-U	3034	0,4	W16FSR	3033		










DENSO Marine Inboard























					Standard		R	Alternative	
AERO MARINE									
165CR	66 > 70	W20ES-U	3051	0,8	W20ESR-U	3057			
427 JET				0,8	T20PR-U	5035	ITF20	5331	
455 SERIES				0,9	W16PR-U	3037			
SERIES 240		W20S-U	3075	0,8	W20SR-U	3076			
SERIES 265	69 > 70	W20S-U	3075	0,8	W20SR-U	3076			
SERIES 265	71 >			0,8	T20PR-U	5035	ITF20	5331	
SERIES 304 / 360 JET		W20EP-U	3043	0,8	W20EPR-U	3047	IW20	5306	
SERIES 320	66 > 70	W20ES-U	3051	0,8	W20ESR-U	3057			
SERIES 320	71 >			0,8	T20PR-U	5035	ITF20	5331	
SERIES 350	66 > 70	W20ES-U	3051	0,8	W20ESR-U	3057			
SERIES 375	66 > 70	W20ES-U	3051	0,8	W20ESR-U	3057			
SERIES 375	70 > 71			1,1	T16PR-U	5025	ITF16	5330	
SERIES 454				0,8	T20PR-U	5035	ITF20	5331	
SERIES 455	71 >			0,8	T20PR-U	5035	ITF20	5331	
SERIES 482		W20EP-U	3043	0,8	W20EPR-U	3047	IW20	5306	
ALBIN									
0-1L – NO.1948 -->		W20FS-U	3073	0,6	W20FSR-U	6053	IWF22	5379	
2000 V-1		W20FS-U	3073	0,6	W20FSR-U	6053	IWF22	5379	
A-4 / A-6		W20FS-U	3073	0,7	W20FSR-U	6053	IWF22	5379	
A-6 SP / 2000 SP		W20FS-U	3073	0,7	W20FSR-U	6053	IWF22	5379	
AL23		W20ES-U	3051	0,8	W20ESR-U	3057			
E4		MW17	5088	0,8					
E5		MW17	5088	0,8					
G-6B		MW17	5088	0,8					
O-1 - ENG. NO.18965 -->		M17	5002	0,7					
O-11 / O-21 / O-41 / AL 22 / E4-E6		M17	5002	0,7					
O-2 – ENG. NO.15826 -->		M17	5002	0,7					
O-4 / O-4SP – ENG. NO.19325 -->		M17	5002	0,7					
O-41 / 0411 / T-4 / O-6B / G-6		M17	5002	0,7					
S-4 / A4 / T1500 SPEZIAL / 2000V-1		W20FS-U	3073	0,7	W20FSR-U	6053	IWF22	5379	
AMECO									
302 FORD ENGINE				0,8	MA20PR-U	5013			
351 W.C.I.D. FORD ENGINE				0,8	MA20PR-U	5013			
AMERICAN CHALLENGER									
EAGLE 400				0,5	T20PR-U	5035	ITF20	5331	
EAGLE 600				0,5	T20PR-U	5035	ITF20	5331	
EAGLE 800				0,5	T20PR-U	5035	ITF20	5331	
ATOMIC									
5 – MODEL 1		W20S-U	3075	0,9	W20SR-U	3076			
10 – MODEL 2		W20S-U	3075	0,9	W20SR-U	3076			
18MM HEADS		M17	5002	0,6					
30 – MODEL 4		W20S-U	3075	0,9	W20SR-U	3076			
35 / 55 / 75 / 3000 – 14MM HEADS		W20ES-U	3051	0,6	W20ESR-U	3057			
CHIEF / HEALEY / SKIPPER – 14MM HEADS		W20ES-U	3051	0,6	W20ESR-U	3057			
AUSTIN									
CHIEF - Ø 14MM				0,6	W20ESR-U	3057			
HEALEY 3300				0,6	W20ESR-U	3057			
HEALEY 35				0,6	W20ESR-U	3057			
HEALEY 55				0,6	W20ESR-U	3057			
HEALEY 75				0,6	W20ESR-U	3057			
Ø 18 MM		M17	5002	0,6					
SKIPPER				0,6	W20ESR-U	3057			
B.L.M.C.									
110 VENDETTE		W20ES-U	3051	0,6	W20ESR-U	3057			
850 SEA PRINCE 2912CC		W20EP-U	3043	0,6	W20EPR-U	3047	IW20	5306	
950		W20ES-U	3051	0,6	W20ESR-U	3057			
950, 1678, 3000 CC.		W20ES-U	3051	0,6	W20ESR-U	3057			
1622 NAVIGATOR	59 >	W20ES-U	3051	0,6	W20ESR-U	3057			
1678 (300)		W20ES-U	3051	0,6	W20ESR-U	3057			
BARR									
BUICK – 400 C.I.D.	67 > 69			1,1	T16PR-U	5025	ITF16	5330	
BUICK – 430 C.I.D.	67 > 69			1,1	T16PR-U	5025	ITF16	5330	
BUICK – 455 C.I.D.	71 > 74			0,9	T16PR-U	5025	ITF16	5330	
CHEVROLET – 194 C.I.D. 6 CYL.	70 > 74	W16EP-U	3018	0,9	W16EPR-U	3021	IW16	5305	
CHEVROLET – 194 C.I.D.	62 > 69	W16ES-U	3025	0,9	W16ESR-U	3110			
CHEVROLET – 230 C.I.D. 6 CYL.	62 > 69	W16EP-U	3018	0,9	W16EPR-U	3021	IW16	5305	
CHEVROLET – 230 C.I.D.	70 >			1,1	T16PR-U	5025	ITF16	5330	
CHEVROLET – 250 C.I.D. 6 CYL.	62 > 69	W20EP-U	3043	0,9	W20EPR-U	3047	IW20	5306	








		Standard				Alternative			
									
BARR <i>continued</i>									
CHEVROLET – 250 C.I.D. 6 CYL.	70 > 74			0,9	T16PR-U	5025	ITF16	5330	
CHEVROLET – 283 C.I.D. 6 CYL.	55 > 67			0,9	W16PR-U	3037			
CHEVROLET – 292 C.I.D. 6 CYL.	63 > 69	W20ES-U	3051	0,9	W20ESR-U	3057			
CHEVROLET – 302 C.I.D. 6 CYL.	67 > 69			0,9	W20PR-U	5046			
CHEVROLET – 307 C.I.D. 6 CYL.	68 > 70			0,9	W16PR-U	3037			
CHEVROLET – 307 C.I.D. 6 CYL.	71 > 73			0,9	T16PR-U	5025	ITF16	5330	
CHEVROLET – 327 C.I.D. 6 CYL.	61 > 69	W20S-U	3075	0,9	W20SR-U	3076			
CHEVROLET – 350 C.I.D. 2-BBL	67 > 70	T16P-U	5024	1,0	W16PR-U	3037	ITF16	5330	
CHEVROLET – 350 C.I.D. 4-BBL	70 >	W16ES-U	3025	1,0	W16ESR-U	3110			
CHEVROLET – 400 C.I.D. 6 CYL.	70 >			0,9	W16PR-U	3037			
CHEVROLET – 400 C.I.D. 6 CYL.	71 > 74	T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331	
CHEVROLET – 427 C.I.D.	71 > 72			0,9	T20PR-U	5035	ITF20	5331	
CHEVROLET – 427 C.I.D.	73 > 90	T16P-U	5024	1,1	T16PR-U	5025	ITF16	5330	
CHEVROLET – 454 C.I.D.	79 > 89			1,1	T16PR-U	5025	ITF16	5330	
CHEVROLET – 6 CYL.	67 > 70			0,8	W16PR-U	3037			
CHEVROLET – 6 CYL.	70 >			0,9	W20PR-U	5046			
CHRYSLER – 350 C.I.D.	68 > 70			0,8	W16PR-U	3037			
CHRYSLER – 350 C.I.D.	68 > 70			0,8	W20PR-U	5046			
CHRYSLER – 383 C.I.D.	60 > 71			0,9	W16PR-U	3037			
CHRYSLER – 413 C.I.D.	63 > 64			0,9	W16PR-U	3037			
CHRYSLER – 413 C.I.D.	63 > 65			0,9	W16PR-U	3037			
CHRYSLER – 440 C.I.D.	66 > 74			0,9	W16PR-U	3037			
OLDSMOBILE – 350 C.I.D.	71 > 74			1,0	W16PR-U	3037			
OLDSMOBILE – 455 C.I.D.	68 > 70			0,8	W16PR-U	3037			
OLDSMOBILE – 455 C.I.D.	70 >			0,8	W16PR-U	3037			
OLDSMOBILE – 455 C.I.D.	71 >			1,0	W14PR-U	6021			
OLDSMOBILE – 455 C.I.D.	71 >			1,0	W16PR-U	3037			
OLDSMOBILE – 455 C.I.D.	72 > 74			1,0	W14PR-U	6021			
OLDSMOBILE – 455 C.I.D.	76 > 78			1,0	W14PR-U	6021			
PONTIAC – 389 C.I.D.	60 > 67			0,9	W16PR-U	3037			
PONTIAC – 400 C.I.D.	67 > 71			0,9	W16PR-U	3037			
PONTIAC – 421 C.I.D.	63 > 66			0,9	W20PR-U	5046			
PONTIAC – 428 C.I.D.	67 > 69	W16EP-U	3018	1,0	W16PR-U	3037	IW16	5305	
PONTIAC – 429 C.I.D.	67 > 69			0,9	W20PR-U	5046			
PONTIAC – 455 C.I.D.	70 > 71			0,9	W16PR-U	3037			
PONTIAC – 455 C.I.D.	71 >			0,9	W14PR-U	6021			
BAUDOQUIN									
CR / H4 / LH / LK / LKL		W16LS	3035	0,6					
LA / LO3 / LO3H / LO / L		W14-U	6008	0,5					
VL3 / VL3F / VL3FT		W20S-U	3075	0,5	W20SR-U	3076			
BERKELEY									
FORD – 302 C.I.D. - Ø14MM	74 > 90			0,9	T20PR-U	5035	ITF20	5331	
FORD – 302 C.I.D. - Ø18MM	74 > 77			0,9	MA20PR-U	5013			
CHEVROLET – 350 C.I.D.	76 > 90			0,9	T20R-U	5038			
FORD – 351 C.I.D. - Ø14MM	74 > 90			0,9	T20PR-U	5035	ITF20	5331	
FORD – 351 C.I.D. - Ø18MM	74 > 77			0,9	MA20PR-U	5013			
GM – 454 C.I.D. BIG BLOCK	76 > 90			0,9	T16R-U	5038			
OLDSMOBILE – 455 C.I.D.	68 > 76			1,0	W16PR-U	3037			
FORD – 460 C.I.D. BIG BLOCK	76 > 90			0,9	T20PR-U	5035	ITF20	5331	
BMW									
B 30 – 117 2.0 86KW	78 > 87	W16EP-U	3018	0,7	W16EPR-U	3021	IW16	5305	
B 130S		W16EP-U	3018	0,6	W16EPR-U	3021	IW16	5305	
B190 – 166 2.8 122KW	78 > 87	W16EP-U	3018	0,7	W16EPR-U	3021	IW16	5305	
B 190S		W16EP-U	3018	0,6	W16EPR-U	3021	IW16	5305	
B 1901		W16EP-U	3018	0,6	W16EPR-U	3021	IW16	5305	
B220 – 185 3.2 136KW	78 > 87	W16EP-U	3018	0,7	W16EPR-U	3021	IW16	5305	
B220S		W16EP-U	3018	0,6	W16EPR-U	3021	IW16	5305	
B 2201		W16EP-U	3018	0,6	W16EPR-U	3021	IW16	5305	
G1301		W16EP-U	3018	0,6	W16EPR-U	3021	IW16	5305	
G130S		W16EP-U	3018	0,6	W16EPR-U	3021	IW16	5305	
G1901		W16EP-U	3018	0,6	W16EPR-U	3021	IW16	5305	
G190S		W16EP-U	3018	0,6	W16EPR-U	3021	IW16	5305	
G2201		W16EP-U	3018	0,6	W16EPR-U	3021	IW16	5305	
G220S		W16EP-U	3018	0,6	W16EPR-U	3021	IW16	5305	
410 – 150 1.8 110KW	69 > 79	W20EP-U	3043	0,6	W20EPR-U	3047	IW20	5306	
411 – 156 2.0 115KW	69 > 79	W20EP-U	3043	0,6	W20EPR-U	3047	IW20	5306	
412 –		W24EP-U	4028	0,6	W24EPR-U	4136	IW24	5316	
611 –		W20EP-U	3043	0,6	W20EPR-U	3047	IW20	5306	







		Standard				R		Alternative	
									
BMW continued									
B 630 — 238 3.0 175KW	86 > 87	W16EP-U	3018	0,7	W16EPR-U	3021	IW16	5305	
B 635 — 272 3.5 200KW	86 > 87	W16EP-U	3018	0,7	W16EPR-U	3021	IW16	5305	
BOG MARIN									
16 — 14MM HEADS		W20FS-U	3073	0,6	W20FSR-U	6053	IWF22	5379	
16 — 18MM HEADS		M17	5002	0,6					
26		W20S-U	3075	0,6	W20SR-U	3076			
55 — 14MM HEADS		W20S-U	3075	0,6	W20SR-U	3076			
55 — 18MM HEADS		M17	5002	0,6					
BOMBARDIER									
373		M22	5003	0,5					
BOMBARDIER (Sea-Doo)									
150 SPEEDSTER — 1494CC	07 > 09			0,7	XU24EPR-U	3180	IXU24	5309	
180 CHALLENGER CS — 1494CC	05 > 09			0,7	XU24EPR-U	3180	IXU24	5309	
200 SPEEDSTER / TWIN 4-TEC — 1494CC	06 > 09			0,7	XU24EPR-U	3180	IXU24	5309	
205 UTOPIA — 1494CC	08 > 09			0,7	XU24EPR-U	3180	IXU24	5309	
230 CHALLENGER — 1494CC	07 > 09			0,7	XU24EPR-U	3180	IXU24	5309	
230 WAKE — 1494CC	08 > 09			0,7	XU24EPR-U	3180	IXU24	5309	
CHALLENGER CS — 1494CC	06 > 06			0,7	XU24EPR-U	3180	IXU24	5309	
CHALLENGER ROTAX — 787 CC.				0,6	W24ESR	6068	IW24	5316	
EXPLORER ROTAX — 717CC				0,6	W24ESR	6068	IW24	5316	
ISLANDIA 220 — 1494CC	06 > 07			0,7	XU24EPR-U	3180	IXU24	5309	
ISLANDIA SE — 1494CC	08 > 09			0,7	XU24EPR-U	3180	IXU24	5309	
SPEEDSTER ROTAX — 717CC				0,5	W24ESR	6068	IW24	5316	
SPEEDSTER WAKE — 1494CC	07 > 09			0,7	XU24EPR-U	3180	IXU24	5309	
SPORTSTER 4-TEC — 1494CC	06 >			0,7	XU24EPR-U	3180	IXU24	5309	
SPORTSTER LE DI — 947CC				0,9	KJ14CR-L11	3167	IK16	5303	
SPORTSTER LE DI — 1494CC	06 >			0,9	KJ14CR-L11	3167	IK16	5303	
SPORTSER ROTAX — 717CC				0,6	W24ESR	6068	IW24	5316	
UTOPIA 205 — 1494CC	06 > 07			0,7	XU24EPR-U	3180	IXU24	5309	
BPM									
1800L / LR / M / MR		W20S-U	3075	0,6	W20SR-U	3076			
3500LR / MR		W20S-U	3075	0,6	W20SR-U	3076			
ARCTIC — 140 157 / 181	62 > 87	W20EP-U	3043	0,6	W20EPR-U	3047	IW20	5306	
IONIC — 127	62 > 78	W22EP-U	3085	0,6	W22EPR-U	3088	IW22	5307	
IONIC — 144 3.0 L	62 > 88	W24EP-U	4028	0,6	W24EPR-U	4136	IW24	5316	
OCEANIC — 235 5.7 L	63 > 87	W22EP-U	3085	0,6	W22EPR-U	3088	IW22	5307	
OCEANIC — 265 5.7 L	63 > 80	W22EP-U	3085	0,6	W22EPR-U	3088	IW22	5307	
V-12 — 460 570	92 >	W20EP-U	3043	0,6	W20EPR-U	3047	IW20	5306	
V-12 — 570	72 > 91	W16EP-U	3018	0,5	W16EPR-U	3021	IW16	5305	
V-12 — 620	72 > 91	W16EP-U	3018	0,5	W16EPR-U	3021	IW16	5305	
V-12 — 750 620 SH	92 >			0,7					
VULCANO — 375 8.0 L	68 > 80	W22EP-U	3085	0,6	W22EPR-U	3088	IW22	5307	
VULCANO — 380 450	68 > 80	W24EP-U	4028	0,6	W24EPR-U	4136	IW24	5316	
BRITISH SEAGULL									
SD 110	79 > 81	M17	5002						
BUEHLER									
CHRYSLER — JETSTREAM 318 C.I.D				0,9	W20PR-U	5046			
CHRYSLER — JETSTREAM 428 C.I.D		W20ES-U	3051	0,9	W20ESR-U	3057			
BURMEISTER & WAIN									
30 / 35 / 60 / 105 / 155 / 165		W20S-U	3075	0,6	W20SR-U	3076			
LH / LH MASTER (DUAL IGNITION)		W20S-U	3075	0,6	W20SR-U	3076			
LH SUPER / LH SUPER SPECIAL		W20S-U	3075	0,6	W20SR-U	3076			
CHEVROLET									
6 CYL. — 230, 250 C.I.D.	62 > 69	W16EP-U	3018	0,9	W16EPR-U	3021	IW16	5305	
6 CYL. — 250 C.I.D.	70 > 74			0,9	T16PR-U	5025	ITF16	5330	
6 CYL. — 292 C.I.D.	63 > 69	W20ES-U	3051	0,9	W20ESR-U	3057			
6 CYL. — 292 C.I.D.	70 > 74			0,9	T20PR-U	5035	ITF20	5331	
MARINE CONVERSIONS — 194 C.I.D.	62 > 69	W16EP-U	3018	0,9	W16EPR-U	3021	IW16	5305	
MARINE CONVERSIONS — 427 C.I.D.	73 > 90			1,1	T16PR-U	5025	ITF16	5330	
MARINE CONVERSIONS — 454 C.I.D.	79 > 90			0,8	T20PR-U	5035	ITF20	5331	
V-8 — 283 C.I.D.	55 > 67			0,9	W16PR-U	3037			
V-8 — 302 C.I.D.	67 > 69			0,9	W20PR-U	5046			
V-8 — 307 C.I.D.	68 > 70			0,9	W16PR-U	3037			
V-8 — 307 C.I.D.	71 > 73			0,9	T20PR-U	5035	ITF20	5331	
V-8 — 327 C.I.D.	61 > 69	W20S-U	3075	0,9	W20SR-U	3076			
V-8 — 350 C.I.D. 2 BBL	67 > 70			0,9	W16PR-U	3037			
V-8 — 350 C.I.D. 4 BBL	70 >			0,9	W20PR-U	5046			
V-8 — 350, 400 C.I.D.	71 > 74			0,9	T20PR-U	5035	ITF20	5331	

		Standard				Alternative			
									
CHEVROLET <i>continued</i>									
V-8 — 400 C.I.D.	70 >			0,9	W16PR-U	3037			
CHRIS-CRAFT									
181 --> S/N 603191		W20ES-U	3051	0,9	W20ESR-U	3057			
181 S/N 603192 -->		T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331	
225				0,8	W20SR-U	5046			
283 / 302 / 307 / 327 (FLAT SEAT)		W20S-U	3075	0,8	W20SR-U	3076			
307 / 350 / 350 HIGH PERFORMANCE / 454 (TAPER SEAT)		T20P-U	5034	0,6	T20PR-U	5035	ITF20	5331	
430		MA20P-U	5012	0,8	MA20PR-U	5013			
A / B / BA / C / H / K / KB ALUM. HEADS		W16LS	3035	0,7					
A / B / BA / C / H / K / KB REGULAR HEADS		W20S-U	3075	0,7	W20SR-U	3076			
KBL / KC / KFL / KL / KLC ALUM. HEADS		W16LS	3035	0,7					
KBL / KC / KFL / KL / KLC REGULAR HEADS		W20S-U	3075	0,7	W20SR-U	3076			
LC / LD / M / MB / MBL ALUM. HEADS		W16LS	3035	0,7					
LC / LD / M / MB / MBL REGULAR HEADS		W20S-U	3075	0,7	W20SR-U	3076			
MC / MCL / ML / W / WB ALUM. HEADS		W16LS	3035	0,7					
MC / MCL / ML / W / WB REGULAR HEADS		W20S-U	3075	0,7	W20SR-U	3076			
N 153		W20ES-U	3051	0,9	W20ESR-U	3057			
CHRYSLER									
4 CYL. — M122A / M122B		W22FS-U	4025	0,9	W22FSR	4024	IWF22	5379	
4 CYL. — M91D / M91F		W22FS-U	4025	0,9	W20EPR-U	3047	IWF22	5379	
6 CYL. — B46-4				0,9	W20SR-U	3076			
6 CYL. — B46S-3				0,9	W20SR-U	3076			
6 CYL. — M170		W20ES-U	3051	0,9	W20ESR-U	3057			
6 CYL. — M183B		W22FS-U	4025	0,9	W22FSR	4024	IWF22	5379	
6 CYL. — M225A / M225GD / MH225D		W20ES-U	3051	0,9	W20ESR-U	3057			
6 CYL. — M225D	> 74	W20ES-U	3051	0,9	W20ESR-U	3057			
6 CYL. — M225D	75 > 79	T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331	
6 CYL. — M265 / M265A		W20S-U	3075	0,9	W20SR-U	3076			
6 CYL. — M46-3 / M46-4 / M46S-3		W20S-U	3075	0,9	W20SR-U	3076			
6 CYL. — M47-3 / M47-4 / M47S-3		W20S-U	3075	0,9	W20SR-U	3076			
8 CYL. — M440SV				0,9	W20PR-U	5046			
8 CYL. — M460B				0,9	T20PR-U	5035	ITF20	5331	
V-8 — LM318A / LM318AC / LM318B / LM318BC		W20EP-U	3043	0,9	W20EPR-U	3047	IW20	5306	
V-8 — LM318BJ / LM318BT / LM318BV / LM318D		W20EP-U	3043	0,9	W20EPR-U	3047	IW20	5306	
V-8 — LM340B / LM340BJ / LM340BT / LM340BV		W20EP-U	3043	0,9	W20EPR-U	3047	IW20	5306	
V-8 — LM340BV		W20EP-U	3043	0,9	W20EPR-U	3047	IW20	5306	
V-8 — M273A / M273B / M273BT		W20EP-U	3043	0,9	W20EPR-U	3047	IW20	5306	
V-8 — M318A / M318B / M318C / M318GD				0,9	W20PR-U	5046			
V-8 — M360B / M360BC / M360BJ		W20EP-U	3043	0,9	W20EPR-U	3047	IW20	5306	
V-8 — M360BT / M360BV		W20EP-U	3043	0,9	W20EPR-U	3047	IW20	5306	
V-8 — M383B / M383BV				0,9	W20PR-U	5046			
V-8 — M400B / M400BV / M400S				0,9	W20PR-U	5046			
V-8 — M413B / M413D				0,9	W20PR-U	5046			
V-8 — M413E		W20ES-U	3051	0,9	W20ESR-U	3057			
V-8 — M426B / M426D / M426SKI				0,9	W20PR-U	5046			
V-8 — M44 / M44-3		W20S-U	3075	0,9	W20SR-U	3076			
V-8 — M440B / M440BJ / M440D / M440S				0,9	W20PR-U	5046			
V-8 — M45 / M45-3 / M45S / M45S-3 / M45SP-3		W20ES-U	3051	0,9	W20ESR-U	3057			
V-8 — M80				0,9	W20PR-U	5046			
V-8 — M81		W20ES-U	3051	0,9	W20ESR-U	3057			
CHRYSLER-VOLVO									
110 / 115 / 120 / 130 / 165 / 170		W22FS-U	4025	0,7	W22FSR	4024	IWF22	5379	
CLIMAX									
98 C.I.D.		W20EP-U	3043	0,8	W20EPR-U	3047	IW20	5306	
490 C.I.D.		MA20P-U	5012	0,8	MA20PR-U	5013			
CLINTON									
ALL MODELS		W20S-U	3075	0,6	W20SR-U	3076			
COVENTRY VICTOR									
AN3 / WN3		W20ES-U	3051	0,5	W20ESR-U	3057			
DRIVE 45		W24FS-U	4038	0,5	W24FSR	4037	IWF24	5380	
MIDGET		W20FS-U	3073	0,5	W20FSR-U	6053	IWF22	5379	
OTHER MODELS — 18MM HEADS		M22	5003	0,5					
CRESCENT									
Z-DRIVE 45		W24FS-U	4038	0,5	W24FSR	4037	IWF24	5380	
CROSLEY									
ALL MODELS		W20S-U	3075	0,6	W20SR-U	3076			
CRUSADER									
200 C.I.D.	79 > 79			0,9	T20PR-U	5035	ITF20	5331	











					Standard		R	Alternative	
									
CRUSADER <i>continued</i>									
229 C.I.D. 165	79 > 80				0,9	T20PR-U	5035	ITF20	5331
229 C.I.D. CH185	81 > 84				0,9	T20PR-U	5035	ITF20	5331
262 C.I.D.	85 > 98				0,9	T20PR-U	5035	ITF20	5331
292 / 350 C.I.D.	71 > 78	T20P-U	5034		0,9	T20PR-U	5035	ITF20	5331
292 C.I.D.	79 > 80	T20P-U	5034		0,9	T20PR-U	5035	ITF20	5331
302 C.I.D.	74 > 75				0,8	MA20PR-U	5013		
305 C.I.D.	76 > 78	T20P-U	5034		0,9	T20PR-U	5035	ITF20	5331
307 C.I.D.	71 > 73	T16P-U	5024		0,9	T16PR-U	5025	ITF16	5330
307 C.I.D.	74 > 75	T20P-U	5034		0,9	T20PR-U	5035	ITF20	5331
350 C.I.D. 270	71 > 78				0,9	T20PR-U	5035	ITF20	5331
351 C.I.D. 255	74 > 75				0,8	MA20PR-U	5013		
454 C.I.D.	74 > 78	T20P-U	5034		0,9	T20PR-U	5035	ITF20	5331
460 C.I.D. 350	74 > 75	T20P-U	5034		0,9	T20PR-U	5035	ITF20	5331
502 C.I.D.	89 > 98				0,9	T20PR-U	5035	ITF20	5331
BOAT BUILDER – 170J		W20S-U	3075		0,6	W20SR-U	3076		
BOAT BUILDER – 185 / 190 / 220 / 230 / 250		W20S-U	3075		0,6	W20SR-U	3076		
BOAT BUILDER – 200J		W20S-U	3075		0,6	W20SR-U	3076		
BOAT BUILDER – 210		W20S-U	3075		0,6	W20SR-U	3076		
BOAT BUILDER – 230J		W20S-U	3075		0,6	W20SR-U	3076		
BOAT BUILDER – 280		W20ES-U	3051		0,6	W20ESR-U	3057		
BOAT BUILDER – CS100		T20P-U	5034		0,8	T20PR-U	5035	ITF20	5331
BOAT BUILDER – CS150		T20P-U	5034		0,8	T20R-U	5038	ITF20	5331
BOAT BUILDER – CS165		W20ES-U	3051		0,8	W20ESR-U	3057		
BOAT BUILDER – CS180		W20S-U	3075		0,8	W20SR-U	3076		
BOAT BUILDER – CS320		W20ES-U	3051		0,8	W20ESR-U	3057		
CHAMPION – 305 C.I.D.					0,9	T20PR-U	5035	ITF20	5331
CHAMPION – 350 C.I.D.					0,9	T20PR-U	5035	ITF20	5331
CHAMPION – 350 C.I.D. HT					0,9	T20PR-U	5035	ITF20	5331
CHAMPION – 454 C.I.D.					0,9	T20PR-U	5035	ITF20	5331
CHARGER – 340		W22ES-U	3093		0,6	W22ESR-U	3098		
CHARGER – CS 185 / 220 / 250		W20S-U	3075		0,6	W20SR-U	3076		
CHARGER – CS 280		W20ES-U	3051		0,6	W20ESR-U	3057		
CHARGER – CS320		W20ES-U	3051		0,8	W20ESR-U	3057		
CLASSIC – 5.7L PLUS EFI					1,1	T20EPR-U	5032	IT20	5326
CLASSIC – 5.7L PLUS MPI					1,1	T20EPR-U	5032	IT20	5326
CLASSIC – 7.4L MPI					1,1	T20EPR-U	5032	IT20	5326
GM – 220 HP GM V8 5.7L MP	05 >				1,5	T20EPR-U15	5033	IT20	5326
GM – 275 HP GM V8 5.0L MP	05 >				1,5	T20EPR-U15	5033	IT20	5326
GM – 300 HP GM V8 5.7L CARB					1,5	T20EPR-U15	5033	IT20	5326
GM – 375 HP GM V8 6.0L MP					1,5	T20EPR-U15	5033	IT20	5326
GM – 385 HP GM V8 8.1L MP					1,5	T20EPR-U15	5033	IT20	5326
GM – 425 HP GM V8 8.1L MP (HO)					1,5	T20EPR-U15	5033	IT20	5326
CLASSIC SERIES – 7.4L PLUS MPI V-8 454 C.I.D.					1,1	PT16EPR-L13	5070	IT16	5325
PLATINUM SERIES – 7.4L MPI V-8 454 C.I.D.					1,1	PT16EPR-L13	5070	IT16	5325
MARK – 140 / 170 / 200 / 225		W20S-U	3075		0,6	W20SR-U	3076		
MARK – 170J / 185 / 200J / 210 / 230 / 230J		W20S-U	3075		0,8	W20SR-U	3076		
MARK – 240 / 280		W20ES-U	3051		0,8	W20ESR-U	3057		
MARK – 275 / 300 / 325		W20S-U	3075		0,8	W20SR-U	3076		
MARK – CS 100 / 150 / 165 / 280 / 320		W20ES-U	3051		0,8	W20ESR-U	3057		
MARK – CS 180 / 220 / 250 / CM CADILLAC		W20S-U	3075		0,8	W20SR-U	3076		
PLATINUM – 5.7L PLUS MPI					1,1	T20EPR-U	5032	IT20	5326
PLATINUM – 7.4L MPI					1,1	T20EPR-U	5032	IT20	5326
XL/XLI – 262 C.I.D.					0,9	T20PR-U	5035	ITF20	5331
XL/XLI – 305 C.I.D.					0,9	T20PR-U	5035	ITF20	5331
XL/XLI – 350 C.I.D.					0,9	T20PR-U	5035	ITF20	5331
XL/XLI – 454 C.I.D.					0,9	T20PR-U	5035	ITF20	5331
XL/XLI – 454 C.I.D. HO		T20P-U	5034		0,9	T20PR-U	5035	ITF20	5331
XL/XLI – 502 C.I.D.					0,9	T20PR-U	5035	ITF20	5331
CUYUNA									
430LC 40 HP JET DRIVE					0,8	W24ESR	6068	IW24	5316
DAIMLER									
SP250		W16ES-U	3025		0,7	W16ESR-U	3110		
DAYTONA									
100 / 150		W20ES-U	3051		0,9	W20ESR-U	3057		
200 / 300		W20S-U	3075		0,9	W20SR-U	3076		
400 / 400 TURBO		W22ES-U	3093		0,9	W22ESR-U	3098		
427 / 427 TURBO (HEAVY SERVICE)		W24ES-U	4030		0,9	W24ESR-U	4033	IW24	5316
427 / 427 TURBO (LIGHT SERVICE)		W22ES-U	3093		0,9	W22ESR-U	3098		







		Standard				Alternative			
									
DIESEL-TECHNIK									
DTR 40		W20FP-U	3068	0,6	W20FPR-U	3070	IWF20	5378	
DTR 50		W20FP-U	3068	0,6	W20FPR-U	3070	IWF20	5378	
DYNAFOIL									
G440-BW (432CC) XENOAH ENGINE				0,9	W20ESR-U	3057			
EVINRUDE									
SERIES CU / SU		W20ES-U	3051	0,9	W20ESR-U	3057			
SERIES DU		W20S-U	3075	0,8	W20SR-U	3076			
SERIES HU				0,9	W20PR-U	5046			
SERIES KU		W20S-U	3075	0,9	W20SR-U	3076			
SERIES NU		W20EP-U	3043	0,6	W20EPR-U	3047	IW20	5306	
SERIES TU: 14 / 15 / 16				0,9	W20PR-U	5046			
SERIES TU: 17		W20S-U	3075	0,9	W20SR-U	3076			
FAGEOL									
44 / 53		W20S-U	3075	0,6	W20SR-U	3076			
FM200 / FM225		W20S-U	3075	0,6	W20SR-U	3076			
FMR275		W27FS-U	4052	0,4	W27FSR	4054	IWF27	5381	
FLAGSHIP									
181 C.I.D. 181FL	75 > 77			0,9	T20R-U	5038			
280 C.I.D. 280E	75 > 77	T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331	
292 C.I.D.	71 > 74			0,9	T20PR-U	5035	ITF20	5331	
292 C.I.D. -155		W20ES-U	3051	0,9	W20ESR-U	3057			
300 C.I.D. LIGHT SERVICE	77 >			1,1	T20PR-U	5035	ITF20	5331	
305 C.I.D.	71 > 74			0,9	T20PR-U	5035	ITF20	5331	
305 C.I.D. LIGHT SERVICE	75 > 77			1,1	T20PR-U	5035	ITF20	5331	
307 C.I.D.	71 > 74			0,9	T20PR-U	5035	ITF20	5331	
335 / 380 / FAS 1975 350 CU.IN.	75 > 77	T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331	
350 C.I.D.	71 > 74			0,9	T20PR-U	5035	ITF20	5331	
400 / 460 / 550 FAJ 454 CU.IN.	75 > 77	T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331	
400 / 460 / 550 FAS 454 CU.IN.	75 > 77	T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331	
675 FAJ 466 CU.IN.	75 > 77	T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331	
675 FAS 466 CU.IN.	75 > 77	T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331	
TC400 350 CU.IN.	75 > 77	T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331	
TC550 454 CU.IN.	75 > 77	T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331	
TC600 454 CU.IN.	75 > 81	MA20P-U	5012	0,9	MA20PR-U	5013			
V-DRIVE – 136		W14-U	6008	0,7					
V-DRIVE – 145 / 150 / 185 / 190		W20S-U	3075	0,9	W20SR-U	3076			
V-DRIVE – 181 FL	75 > 77			0,9	T20PR-U	5035	ITF20	5331	
V-DRIVE – 220 / 225 / 240 / 250 / 283		W20S-U	3075	0,9	W20SR-U	3076			
V-DRIVE – 280 E	75 > 77	T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331	
V-DRIVE – 292 CU.IN.	71 > 74	W20ES-U	3051	0,9	W20ESR-U	3057			
V-DRIVE – 305 CU.IN.		T20P-U	5034	1,1	T20PR-U	5035	ITF20	5331	
V-DRIVE – 307 CU.IN.	71 > 74	T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331	
V-DRIVE – 310 / 327 / 350M		W20S-U	3075	0,9	W20SR-U	3076			
V-DRIVE – 350 CU.IN.	71 > 74	T20P-U	5034	1,1	T20PR-U	5035	ITF20	5331	
V-DRIVE – 427 CU.IN.	71 > 74	T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331	
V-DRIVE – 454 CU.IN.	71 > 74	T20P-U	5034	1,1	T20PR-U	5035	ITF20	5331	
V-DRIVE – 66 / 96		W14-U	6008	0,7					
V-DRIVE – 85 / 90 / 100 / 118		W20S-U	3075	0,8	W20SR-U	3076			
FORD									
67 CU IN.				0,9	W16EXR-U	3210	IW16	5305	
98 CU IN.				0,9	W16EXR-U	3210	IW16	5305	
104 CU IN.				0,7	W14EXR-U	3013	IW16	5305	
158 CU IN.				0,9	W20ESR-U	3057			
172 CU IN.		W16LS	3035	0,7					
201 CU IN.				0,9	W20ESR-U	3057			
250 CU IN.				0,8	MA20PR-U	5013			
305 CU.IN. – 5.0 L	81 > 94	T20P-U	5034	0,8	T20PR-U	5035	ITF20	5331	
353 CU.IN. – 5.8 L	81 > 94	T20P-U	5034	0,8	T20PR-U	5035	ITF20	5331	
427 CU.IN. – 7.0 L	81 > 91	T20P-U	5034	0,8	T20PR-U	5035	ITF20	5331	
429 CU.IN. – 460		T16P-U	5024	0,9	T16PR-U	5025	ITF16	5330	
457 CU.IN. – 7.5 L	81 > 94	T20P-U	5034	0,8	T20PR-U	5035	ITF20	5331	
460 CU.IN. – 302 / 351W	75 > 78	T16P-U	5024	0,9	T16PR-U	5025	ITF16	5330	
477 CU IN.	76 >			0,8	MA20PR-U	5013			
GOFF									
GMP 225	69 > 73			0,9	W16PR-U	3037			
GMP 455	61 > 70			0,8	W16PR-U	3037			
GMP 455	71 > 72			1,0	W16PR-U	3037			
GMP 455	73 >			1,0	W16PR-U	3037			







		Standard			R	Alternative		
								
GÖTA								
5-6 / 10-12 / 15-18		M14	5001	0,5				
SL3 / SL6 / SL12 / SLF10		M22	5003	0,5				
GRAYMARINE								
EXPRESS – 52 / 112 / 140 / 162 4 CYL.		M17	5002	0,6				
EXPRESS – 71 / 77 / 80 / 111 / 121 / 186 / 427 6 CYL.		M17	5002	0,6				
EXPRESS – 91 / 224 6 CYL.		M24S	5004	0,6				
EXPRESS – SEA SCOUT 91		W14-U	6008	0,9				
EXPRESS – SUPER 117 / 427		M17	5002	0,6				
FIREBALL – 116 / 140 / 150 / 160 6 CYL.		M17	5002	0,5				
FIREBALL – 136 / 160 (MISC. & RACING) 6 CYL.		W20FP-U	3068	0,6	W20FPR-U	3070	IWF20	5378
FIREBALL – 170 / 175 / 178 / 178B / 188 V-8		W20S-U	3075	0,6	W20SR-U	3076		
FIREBALL – 195 / 215 / 220 / 225 / 238 / 260 / 280 V-8		W20S-U	3075	0,6	W20SR-U	3076		
FIREBALL – 232 (STERN DRIVE & REVERSE GEAR) 6 CYL.		W20EP-U	3043	0,6	W20EPR-U	3047	IW20	5306
FIREBALL – 304 / 360 V-8		W16EP-U	3018	0,6	W16EPR-U	3021	IW16	5305
FIREBALL – 310				0,7	W20PR-U	5046		
FIREBALL – 310 / 427 V-8		M17	5002	0,6				
FIREBALL – 427				0,7	W20PR-U	5046		
FIREBALL – 50 4 CYL.		W20S-U	3075	0,6	W20SR-U	3076		
FIREBALL – 90 4 CYL.		M17	5002	0,6				
FIREBALL – 91 (RACING) V-8		W27FS-U	4052	0,5	W27FSR	4054	IWF27	5381
FIREBALL – C / CF / CH / 135 / 138 / 138A V-8		W20S-U	3075	0,6	W20SR-U	3076		
FIREBALL – FB-455 (MISC. & RACING) V-8				0,8	W16PR-U	3037		
FIREBALL – ROLLS ROYCE G/G V-8		W20ES-U	3051	0,6	W20ESR-U	3057		
FIREBALL – SUPER 330		M17	5002	0,5				
LUGGER – 22 / 40 / 52 / 75 / 80 / 85TD / 112 / 140 / 162 4 CYL.		M17	5002	0,6				
LUGGER – 51 / 71 / 77 / 91 / 121 / 186 / 226 / 224 / 330 6 CYL.		M17	5002	0,6				
LUGGER – 69 4 CYL.		W14-U	6008	0,9				
LUGGER – SEA SCOUT 45 / 91		W14-U	6008	0,9				
LUGGER – SIX 244		MW17	5088	0,7				
PHANTOM – 109 / 109TD / 110 / 112 / 118 / 120 / 122 / 125 6 CYL.		M17	5002	0,6				
PHANTOM – 115 / 135 / 200 6 CYL.		M24S	5004	0,6				
PHANTOM – 136 / 150 / 165 / 175 / 185 / 205 / 620 / 750 6 CYL.		M17	5002	0,6				
PHANTOM – 45 4 CYL.		W20S-U	3075	0,6	W20SR-U	3076		
PHANTOM – 62 / 75 / 85 / 86 / 162 4 CYL.		M17	5002	0,6				
PHANTOM – 70 / 80 / 88 / 90 / 100 / 103 / 104 6 CYL.		M17	5002	0,6				
GUARDIAN MARINE								
CHEVROLET – 454 C.I.D.				1,1	T16PR-U	5025	ITF16	5330
FORD – 302.351W C.I.D.		T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331
FORD – 460 C.I.D.		T16P-U	5024	0,9	T16PR-U	5025	ITF16	5330
OLDSMOBILE – 455 C.I.D.				1,0	W16PR-U	3037		
HARDIN MARINE								
H225IO	80 > 86			0,9	T20R-U	5038		
H225J / H225V / H22510	81 > 83			0,9	T20PR-U	5035	ITF20	5331
H240J (CONICAL SEAT)	69 > 90			0,9	T20PR-U	5035	ITF20	5331
H240J / H240V (FLAT SEAT)	69 > 79			0,9	W16PR-U	3037		
H240J / H240V (TAPER SEAT)	69 > 79	T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331
H240V (CONICAL SEAT)	69 > 90			0,9	T20PR-U	5035	ITF20	5331
H260IO	80 > 86			0,9	T20R-U	5038		
H260J / H260V / H26010	80 > 83			0,9	T20PR-U	5035	ITF20	5331
H280	80 > 86			0,9	T20R-U	5038		
H280J / H280V / H2801	80 > 83			0,9	T20PR-U	5035	ITF20	5331
H295J / H295V / H325J / H325V	69 > 76			0,9	W16PR-U	3037		
H300J / H300V	77 > 79			0,9	W16PR-U	3037		
H3051 / H3501 / H4541	79 > 82	T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331
H320J / H320V	77 > 83	T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331
H324J / H324V	75 > 76			0,9	W16PR-U	3037		
H333J / H333V	76 > 83			0,9	T20PR-U	5035	ITF20	5331
H345J / H345V	69 > 75			0,9	W16PR-U	3037		
H405J / H405V	74 > 83	T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331
H405TC	78 > 90	W22FS-U	4025	0,7			IWF22	5379
H455J (ET) / H455V (ET)	76 >			0,9	W16PR-U	3037		
HM225 / HM260 / HM280 / HM333	83 > 84	T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331
HM400 / HM405 / HM430	83 > 84	T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331
INDMAR								
CADILLAC – 4.6L MPI NORTHSTAR 279 C.I.D.				1,5	T20EPR-U15	5033	IT20	5326
FORD – 5.0L V8 200 302 C.I.D.	91 > 95			1,1	T20PR-U	5035	ITF20	5331
FORD – 5.0L V8 225 302 C.I.D.	91 > 97			0,9	T20PR-U	5035	ITF20	5331
FORD – 7.5L V8 460 C.I.D.	76 > 84			0,9	T20PR-U	5035	ITF20	5331

					Standard		R		Alternative	
										
INDMAR <i>continued</i>										
GM – 5.7L LS1 CORVETTE SMALL BLOCK					0,9	T16EPR-U	5022	IT16	5325	
GM – 5.7L V8 CARB H.O. SMALL BLOCK					1,1	T20EPR-U	5032	IT20	5326	
GM – 5.7L V8 EFI H.O. SMALL BLOCK					1,1	T20EPR-U	5032	IT20	5326	
GM – 5.7L V8 EXCEPT LS1 SMALL BLOCK	94 > 05				1,0	T20EPR-U	5032	IT20	5326	
GM – 5.7L V8 GEN 1+ CARB SMALL BLOCK					1,1	T20EPR-U	5032	IT20	5326	
GM – 5.7L V8 GEN 1+ H.O. CARB SMALL BLOCK					1,1	T20EPR-U	5032	IT20	5326	
GM – 5.7L V8 GEN 1+ H.O. PFI SMALL BLOCK					1,1	T20EPR-U	5032	IT20	5326	
GM – 5.7L V8 LS1 SMALL BLOCK	03 > 05				1,5	T20EPR-U15	5033	IT20	5326	
GM – 5.7L V8 LS1 SMALL BLOCK	94 > 02				1,2	T20EPR-U15	5033	IT20	5326	
GM – 5.7L V8 LT1 SMALL BLOCK					1,1	T20EPR-U	5032	IT20	5326	
GM – 5.7L V8 SMALL BLOCK	76 > 87				1,0	T20PR-U	5035	ITF20	5331	
GM – 6.0L V8 BIG BLOCK	03 > 05				1,5	T20EPR-U15	5033	IT20	5326	
GM – 7.4L V8 BIG BLOCK	03 > 05				1,1	T20EPR-U	5032	IT20	5326	
GM – 7.4L V8 BIG BLOCK	98 > 99				1,1	T20EPR-U	5032	IT20	5326	
GM – 7.4L V8 H.O. GM BIG BLOCK	> 97				1,1	T20EPR-U	5032	IT20	5326	
GM – 8.1L MPI VORTECGM BIG BLOCK	03 > 05				1,5	T20EPR-U15	5033	IT20	5326	
GM – 8.2L V8 BIG BLOCK	03 > 05				1,1	T20EPR-U	5032	IT20	5326	
GM – 8.2L V8 BIG BLOCK	98 > 99				1,1	T20EPR-U	5032	IT20	5326	
OLDSMOBILE – 35 C.I.D. 5.7L V8	76 > 82				1,0	W16PR-U	3037			
OLDSMOBILE – 403 C.I.D. 6.6L V8	76 > 82				1,0	W16PR-U	3037			
OLDSMOBILE – 455 C.I.D. 7.5L V8	75 > 76				1,0	W16PR-U	3037			
INTERCEPTOR										
104 V-4					0,8	W22FSR	4024	IWF22	5379	
122 V-6					0,8	W22FSR	4024	IWF22	5379	
144 / 170 (SIDE DRAFT) (HIGH SPEED = OPTION)		MA20P-U	5012		0,8	MA20PR-U	5013			
144 / 170 (SIDE DRAFT) (STANDARD)					0,8	MA16PR-U	5008			
260 / 302 / 390		MA20P-U	5012		0,8	MA20PR-U	5013			
400 / 427		MA20P-U	5012		0,8	MA20PR-U	5013			
JOHNSON (-> OMC)										
SERIES CU		W16EP-U	3018		0,9	W20ESR-U	3057	IW16	5305	
SERIES DU		W20S-U	3075		0,8	W20SR-U	3076			
SERIES HU					0,9	W16PR-U	3037			
SERIES KU		W20S-U	3075		0,8	W20SR-U	3076			
SERIES NU		W20EP-U	3043		0,7	W20EPR-U	3047	IW20	5306	
SERIES SU		W20ES-U	3051		0,9	W20ESR-U	3057			
SERIES TU: -14 / -15 / -16					0,7	W16PR-U	3037			
SERIES TU: -17 -->		W20S-U	3075		0,9	W20SR-U	3076			
KERMATH										
SEA PUP / SEA TWIN		W14-U	6008		0,6					
KODIAK										
3.0L L4 140 HP – 181 C.I.D.	99 > 00				1,1	T16PR-U	5025	ITF16	5330	
5.7L V8 310 HP – 350 C.I.D.	99 > 00				1,1	T20EPR-U	5032	IT20	5326	
KOHLER										
MODEL L - 160		W20S-U	3075		0,6	W20SR-U	3076			
MARINE DRIVES SYSTEMS (MDS)										
STERN DRIVE 85 / 110					0,6	W22FSR	4024	IWF22	5379	
MARINE POWER										
130 181 – FL (FLAT SEAT) 4 CYL.	75 > 78	W20ES-U	3051		0,9	W20ESR-U	3057			
130 181 – FL (TAPER SEAT)(L=.460" THREAD) 4 CYL.	75 > 91				0,9	T20PR-U	5035	ITF20	5331	
130 181 – FL (TAPER SEAT)(L=.708" THREAD) 4 CYL.	92 >				0,9	T20EPR-U	5032	IT20	5326	
215 307 – K / KB / GLV	75 > 76	T16P-U	5024		0,9	T16PR-U	5025	ITF16	5330	
250 305 – K / KB / KBM / GLV	75 > 78				0,9	T20PR-U	5035	ITF20	5331	
250 350 – GLV / K V-8, 5.7 LITRE	75 > 81				0,9	T20PR-U	5035	ITF20	5331	
300 350 – FLV V-8, 5.7 LITRE	75 > 86				0,9	T20PR-U	5035	ITF20	5331	
330 454 – B / BM V-8, 7.4 LITRE	75 > 91				0,9	T20PR-U	5035	ITF20	5331	
350 350 – FLV (HIGH PERFORMANCE) V-8, 5.7 LITRE	75 > 81				0,9	T20PR-U	5035	ITF20	5331	
410 502 – ENPAC / -PARPACK / -SPORTPAC V-8, 8.2 LITRE	> 96				0,9	T20PR-U	5035	ITF20	5331	
440 454 – ENPAC / -PARPACK / -SPORTPAC V-8, 7.4 LITRE	92 >				0,9	T20PR-U	5035	ITF20	5331	
550 – ENPAC 540 V-8, 8.8 LITRE	> 96				0,9	T20PR-U	5035	ITF20	5331	
GM ENGINE – V6 262 C.I.D. 4.3L	98 > 00				0,9	T20EPR-U	5032	IT20	5326	
GM ENGINE – V8 305 C.I.D. 5.0L SMALL BLOCK	00 >				0,9	T20EPR-U	5032	IT20	5326	
GM ENGINE – V8 350 C.I.D. 5.7L PREMIUMGM SMALL BLOCK	92 > 97				0,9	T20EPR-U	5032	IT20	5326	
GM ENGINE – V8 350 C.I.D. 5.7L SMALL BLOCK	98 > 00				0,9	T20EPR-U	5032	IT20	5326	
GM ENGINE – V8 454 C.I.D. 7.4L (L29) BIG BLOCK	00 >				0,9	T20EPR-U	5032	IT20	5326	
L4 – 181 C.I.D. 3.0L	75 > 78				0,9	W20ESR-U	3057			
L4 – 181 C.I.D. 3.0L CONICAL SEAT	92 > 00				0,9	T20EPR-U	5032	IT20	5326	
MARINETEK										
CHRYSLER – 318 C.I.D.	66 > 74				1,0	W16PR-U	3037			










MARINETEK <i>continued</i>	C.I.D.	Standard		R	Alternative			
		MA20P-U	5012		W16EPR-U	3021	IW16	5305
CHRYSLER – 318 C.I.D.	75 > 88			0,9	W16EPR-U	3021	IW16	5305
CHRYSLER – 360 C.I.D.	75 > 88			0,9	W16EPR-U	3021	IW16	5305
FORD – 302 C.I.D.	68 > 74			0,9	MA20PR-U	5013		
FORD – 302 C.I.D.	75 > 80			0,9	T20PR-U	5035	ITF20	5331
FORD – 302 C.I.D.	81 > 95			1,1	T16PR-U	5025	ITF16	5330
FORD – 351 C.I.D.	69 > 74	MA20P-U	5012	0,9	MA20PR-U	5013		
FORD – 351 C.I.D.	75 > 87			0,9	T20PR-U	5035	ITF20	5331
FORD – 460 C.I.D.	73 > 74			0,9	MA20PR-U	5013		
FORD – 460 C.I.D.	75 > 87			0,9	T20PR-U	5035	ITF20	5331
GM – 181 C.I.D. 3.0L HO	90 > 97			1,1	T16EPR-U	5022	IT16	5325
GM – 229 C.I.D.	80 > 84			1,1	T16PR-U	5025	ITF16	5330
GM – 250 C.I.D.	70 > 80			1,1	T16PR-U	5025	ITF16	5330
GM – 262 C.I.D.	85 > 92			1,1	T16PR-U	5025	ITF16	5330
GM – 305 C.I.D.	76 > 95			1,1	T16PR-U	5025	ITF16	5330
GM – 350 C.I.D.	67 > 70			1,0	W16PR-U	3037		
GM – 350 C.I.D.	71 > 95			1,1	T16PR-U	5025	ITF16	5330
GM – 350 C.I.D. HO	87 > 95			0,9	T20PR-U	5035	ITF20	5331
GM – 454 C.I.D.	73 > 87			1,1	T16PR-U	5025	ITF16	5330
GM – 454 C.I.D. GEN V	92 > 93			0,9	T20PR-U	5035	ITF20	5331
GM – 454 C.I.D. HO	84 > 91			0,9	T20PR-U	5035	ITF20	5331
MERCURUISER								
FORD – 215				0,8	MA20PR-U	5013		
FORD – 225				0,8	MA20PR-U	5013		
FORD – 233Ø14MM				0,8	T20PR-U	5035	ITF20	5331
FORD – 233Ø18MM				0,8	MA20PR-U	5013		
GM – BIG BLOCK – 390				0,9	W24EPR-U	4136	IW24	5316
GM – BIG BLOCK – 7.4L MPI (N°0L002006-->)				1,1	T20EPR-U	5032	IT20	5326
GM – BIG BLOCK – 8.1S HO	00 > 06			1,5	T20EPR-U15	5033	IT20	5326
GM – BIG BLOCK – 8.1S HORIZON	00 > 06			1,5	T20EPR-U15	5033	IT20	5326
GM – SMALL BLOCK – 198				0,9	T20R-U	5038		
GM – SMALL BLOCK – 225		W20S-U	3075	0,8	W20SR-U	3076		
GM – SMALL BLOCK – 228				0,9	T20R-U	5038		
GM – SMALL BLOCK – 230				0,9	T20R-U	5038		
GM – SMALL BLOCK – 250 (N°2317201 --> N° 2797056)		W22S-U	4027	1,0				
GM – SMALL BLOCK – 270		W22S-U	4027	0,9				
GM – SMALL BLOCK – 350 MAG EFI GEN+ (N°0F800000-->)				1,1	T20EPR-U	5032	IT20	5326
GM – SMALL BLOCK – 350 MAG MPI (N°0L304700-->)	00 > 06			0,9	T20EPR-U	5032	IT20	5326
GM – SMALL BLOCK – 350 MAG MPI GEN+ (0L002600-0L309999)				1,1	T20EPR-U	5032	IT20	5326
GM – SMALL BLOCK – 350 MAG MPI GEN+ (N° 0M310000-->)				1,5	T20EPR-U15	5033	IT20	5326
GM – SMALL BLOCK – 5.0L				0,9	T20R-U	5038		
GM – SMALL BLOCK – 5.7L COMP GEN+ (N° 0L002005-->)		T20P-U	5034	1,1	T20EPR-U	5032	ITF20	5331
GM – SMALL BLOCK – 5.7L EFI GEN+ (N°0L010035-->)		T20P-U	5034	1,1	T20EPR-U	5032	ITF20	5331
GM – SMALL BLOCK – 5.7L GEN+ (N° 0L010037-->)				1,1	T20EPR-U	5032	IT20	5326
GM – SMALL BLOCK – BLACK SCORPION 5.7L (N° 0F80000-->)	00 > 06	T20P-U	5034	1,1	T20EPR-U	5032	ITF20	5331
GM – SMALL BLOCK – BLACK SCORPION 5.7L (N° 0M391852-->)	00 > 06			1,5	T20EPR-U15	5033	IT20	5326
GM – SMALL BLOCK – BLACK SCORPION MX 6.2	00 > 06			0,9	T20EPR-U	5032	IT20	5326
GM – SMALL BLOCK – BLACK SCORPION MX 6.2 (N° 0M391778-->)	00 > 06			1,5	T20EPR-U15	5033	IT20	5326
GM – SMALL BLOCK – MX 6.2 MPI (-> N° 0M320614)	00 > 06	T20P-U	5034	1,5	T20EPR-U15	5033	ITF20	5331
GM – SMALL BLOCK – MX 6.2 MPI (N°M320613-->)	00 > 06			1,1	T20EPR-U	5032	IT20	5326
GM – SMALL BLOCK – MX 6.2 MPI HORIZON (N°0M320614-->)	00 > 06			1,5	T20EPR-U15	5033	IT20	5326
GM – SMALL BLOCK – SCORPION 377				1,1	T20EPR-U	5032	IT20	5326
30 / 55				0,6	W22FSR	4024	IWF22	5379
198				0,9	T20PR-U	5035	ITF20	5331
225 – 14MM HEADS		W24S-U	4040	0,8				
228				0,9	T20PR-U	5035	ITF20	5331
230				0,9	T20PR-U	5035	ITF20	5331
233 – 14MM HEADS		T16P-U	5024	0,9	T16PR-U	5025	ITF16	5330
250		W24S-U	4040	0,8				
255 – 14MM HEADS		T16P-U	5024	0,9	T16PR-U	5025	ITF16	5330
260		T16P-U	5024	0,9	T16PR-U	5025	ITF16	5330
270 – 14MM HEADS FLAT SEAT		W24S-U	4040	0,8				
270 – 14MM HEADS TAPER SEAT				0,9	T20PR-U	5035	ITF20	5331
300 / 350 – MAGNUM / MAGNUM SPI V-8, MPI	96 >			0,9	T20PR-U	5035	ITF20	5331
310 – 7.4 L 454 C.I.D (LIGHT LOAD = OPTION) V-8, MPI				0,9	T16PR-U	5025	ITF16	5330
310 – 7.4 L 454 C.I.D (STANDARD) V-8, MPI				0,9	T20PR-U	5035	ITF20	5331
315 – BLACK SCORPION V-8, MPI	96 >			0,9	T20PR-U	5035	ITF20	5331
330 – SER.NO.--> 4890179				0,9	T20PR-U	5035	ITF20	5331
330 – SER.NO.4890180 -->				0,9	T20PR-U	5035	ITF20	5331










		Standard			R			Alternative	
									
MERCUISER <i>continued</i>									
340				0,9	T20PR-U	5035	ITF20	5331	
350				0,9	T20PR-U	5035	ITF20	5331	
470			T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331
STERN DRIVE - CHEVROLET BIG BLOCK – “HP1075 SCI (DRY SUMP;N°0M905359→)”									
STERN DRIVE - CHEVROLET BIG BLOCK – 390									
STERN DRIVE - CHEVROLET BIG BLOCK – 460 CYCLONE									
STERN DRIVE - CHEVROLET BIG BLOCK – 496 MAG									
STERN DRIVE - CHEVROLET BIG BLOCK – 496 MAG HO									
STERN DRIVE - CHEVROLET BIG BLOCK – 7.4L L MPI (L29) (N°0L010003→)									
STERN DRIVE - CHEVROLET BIG BLOCK – HP525 EFI (502 C.I.D.)									
STERN DRIVE - CHEVROLET BIG BLOCK – HP600 SCI									
STERN DRIVE - CHEVROLET BIG BLOCK – HP700 SCI									
STERN DRIVE - CHEVROLET BIG BLOCK – HP850 SCI									
STERN DRIVE - CHEVROLET L-6 – 140									
STERN DRIVE - CHEVROLET L-10 – 165 (→ N°2771483)									
STERN DRIVE - CHEVROLET L-11 – 200									
STERN DRIVE - CHEVROLET L-6 – 4.3LXH GEN+ (N°0F803000 → N°0L000000)									
STERN DRIVE - CHEVROLET L-7 – GK									
STERN DRIVE - CHEVROLET L-8 – 160									
STERN DRIVE - CHEVROLET L-9 – 165 (N°2771484→)									
STERN DRIVE - CHEVROLET SMALL BLOCK – 190									
STERN DRIVE - CHEVROLET SMALL BLOCK – 225 (→ N°2278646)									
STERN DRIVE - CHEVROLET SMALL BLOCK – 225 (N°2278647→)									
STERN DRIVE - CHEVROLET SMALL BLOCK – 228									
STERN DRIVE - CHEVROLET SMALL BLOCK – 230									
STERN DRIVE - CHEVROLET SMALL BLOCK – 250 (→ N°2639854)									
STERN DRIVE - CHEVROLET SMALL BLOCK – 270									
STERN DRIVE - CHEVROLET SMALL BLOCK – 350 MAG EFI GEN+ (N°0F800500→)									
STERN DRIVE - CHEVROLET SMALL BLOCK – 350 MAG MPI GEN+ (N°0F602000→ N°0M320489)									
STERN DRIVE - CHEVROLET SMALL BLOCK – 350 MAG MPI GEN+ (N°0M320590→)									
STERN DRIVE - CHEVROLET SMALL BLOCK – 350 MAG MPI GEN+ HORIZON (N°0M310000→)									
STERN DRIVE - CHEVROLET SMALL BLOCK – 5.0L (→ N°0L000000)									
STERN DRIVE - CHEVROLET SMALL BLOCK – 5.0L EFI GEN+ (N°0L015751→)									
STERN DRIVE - CHEVROLET SMALL BLOCK – 5.0L GEN+ (N°0L015751→)									
STERN DRIVE - CHEVROLET SMALL BLOCK – 5.0LX									
STERN DRIVE - CHEVROLET SMALL BLOCK – 5.7L EFI GEN+ (N°0L010035→)									
STERN DRIVE - CHEVROLET SMALL BLOCK – 5.7L GEN+ (N°0L010037→)									
STERN DRIVE - CHEVROLET SMALL BLOCK – 5.7LX EFI GEN+									
STERN DRIVE - CHEVROLET SMALL BLOCK – 898, 200									
STERN DRIVE - CHEVROLET SMALL BLOCK – MX 6.2 MPI (→ N° 0M320613)									
STERN DRIVE - CHEVROLET SMALL BLOCK – MX 6.2 MPI (N°0M320614→)									
STERN DRIVE - CHEVROLET SMALL BLOCK – MX 6.2 MPI HORIZON (N°0M320614→)									
STERN DRIVE - CHEVROLET SMALL BLOCK – N°0M309999)									
STERN DRIVE - CHEVROLET SMALL BLOCK – SCORPION 377 (N°0L416146→)									
STERN DRIVE - CHEVROLET V10 – 262 MAG EFI GEN+ (N°0F803800→ N°0L000000)									
STERN DRIVE - CHEVROLET V12 – 4.3L EFI GEN+ (N°0L012009→)									
STERN DRIVE - CHEVROLET V13 – 4.3L GEN+ (N°0L010065→)									
STERN DRIVE - CHEVROLET V15 – 4.3LH EFI GEN+ (N°0L010044→)									
STERN DRIVE - CHEVROLET V17 – 4.3LX GEN+ (N°0F803000 → N°0L000000)									
STERN DRIVE - FORD SMALL BLOCK – 215									
STERN DRIVE - FORD SMALL BLOCK – 225									
STERN DRIVE - FORD SMALL BLOCK – 225 > 06									
STERN DRIVE - FORD SMALL BLOCK – 233 - Ø14MM									
STERN DRIVE - FORD SMALL BLOCK – 233 - Ø18MM									
STERN DRIVE - FORD SMALL BLOCK – 255 (N°4175499→) - Ø14MM									
STERN DRIVE - FORD SMALL BLOCK – 255 (N°4175499→) - Ø18MM									
STERN DRIVE - FORD SMALL BLOCK – 888 (→ N°4169596)									

				Standard		R		Alternative	
									
MERCUISER <i>continued</i>									
STERN DRIVE - FORD SMALL BLOCK — 888 (N°4169597—>) - Ø14MM				0,8	T20PR-U	5035	ITF20	5331	
STERN DRIVE - FORD SMALL BLOCK — 888 (N°4169597—>) - Ø18MM				0,8	MA20PR-U	5013			
STERN DRIVE - GM — 110				0,9	W20ESR-U	3057			
STERN DRIVE - GM — 120 (—> N°3825578)				0,9	W20ESR-U	3057			
STERN DRIVE - GM — 120 (N°3825579—>)				0,9	T20R-U	5038			
STERN DRIVE - GM — 140 (—> N°3826282)				0,9	W20ESR-U	3057			
STERN DRIVE - GM — 140 (N°3826283—>)				0,9	T20R-U	5038			
STERN DRIVE - GM — 3.0L (181 C.I.D.) (N° 0L010042—>)				0,9	T20EPR-U	5032	IT20	5326	
STERN DRIVE - GM — 3.0LX				0,9	T20EPR-U	5032	IT20	5326	
STERN DRIVE - MERCURY MARINE — 165 - 224 C.I.D.				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE - MERCURY MARINE — 170 - 224 C.I.D.				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE - MERCURY MARINE — 180 - 224 C.I.D.				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE - MERCURY MARINE — 190 - 224 C.I.D.				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE - MERCURY MARINE — 3.7L - 224 C.I.D.				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE - MERCURY MARINE — 3.7LX- 224 C.I.D.				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE - MERCURY MARINE — 470 - 224 C.I.D.				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE - MERCURY MARINE — 485 - 224 C.I.D.				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE - MERCURY MARINE — 488 - 224 C.I.D.				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE - RENAULT — 60				0,6	W20FSR-U	6053	IWF22	5379	
STERN DRIVE - RENAULT — 80				0,6	W20EPR-U	3047	IW20	5306	
STERN DRIVE - RENAULT — 90				0,8	W20EPR-U	3047	IW20	5306	
STERN DRIVE ENGINES — 60		W22FS-U	4025	0,6			IWF22	5379	
STERN DRIVE ENGINES — 80 / 90		W20EP-U	3043	0,6	W20EPR-U	3047	IW20	5306	
STERN DRIVE ENGINES — 110 / 150 / 160 / 200		W20ES-U	3051	0,9	W20ESR-U	3057			
STERN DRIVE ENGINES — 120 --> SER.NO.3825578		W20ES-U	3051	0,9	W20ESR-U	3057			
STERN DRIVE ENGINES — 120 SER.NO.3825579 -->				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE ENGINES — 135 135 3.0 L 181 C.I.D L-4				0,9	T16PR-U	5025	ITF16	5330	
STERN DRIVE ENGINES — 140		W20ES-U	3051	0,9	W20ESR-U	3057			
STERN DRIVE ENGINES — 140 --> SER.NO.3826282		W20ES-U	3051	0,9	W20ESR-U	3057			
STERN DRIVE ENGINES — 140 SER.NO.3826283 -->		T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE ENGINES — 165 --> SER.NO.2771483		W20ES-U	3051	0,9	W20ESR-U	3057			
STERN DRIVE ENGINES — 165 SER.NO.2771484 -->				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE ENGINES — 190		W20S-U	3075	0,9	W20SR-U	3076			
STERN DRIVE ENGINES — 225 --> SER.NO.2278646		W20S-U	3075	0,9	W20SR-U	3076			
STERN DRIVE ENGINES — 225 2278647--> 3385720		W20S-U	3075	0,9	W20SR-U	3076			
STERN DRIVE ENGINES — 228 / 228TR				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE ENGINES — 230 230 5.0 L 305 C.I.D V-8				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE ENGINES — 233 14MM HEADS		T16P-U	5024	0,8	T16PR-U	5025	ITF16	5330	
STERN DRIVE ENGINES — 250 --> SER.NO.4707999		W24S-U	4040	0,9					
STERN DRIVE ENGINES — 250 SER.NO.4708000 -->				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE ENGINES — 255 14MM HEADS SER.NO.4175500 -->		T16P-U	5024	0,9	T16PR-U	5025	ITF16	5330	
STERN DRIVE ENGINES — 260				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE ENGINES — 260 260 5.7 L 350 C.I.D V-8				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE ENGINES — 270 (FLAT SEAT)		W24S-U	4040	0,8					
STERN DRIVE ENGINES — 280		T16P-U	5024	0,9	T16PR-U	5025	ITF16	5330	
STERN DRIVE ENGINES — 310		W22ES-U	3093	0,9	W22ESR-U	3098			
STERN DRIVE ENGINES — 325 --> SER.NO.2761141		W9EP	6005	0,8					
STERN DRIVE ENGINES — 330TR / 330TRS				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE ENGINES — 370 / 400				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE ENGINES — 400 JET				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE ENGINES — 470 / 485		T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE ENGINES — 888 14MM HEADS SER.NO.4169597 -->		T16P-U	5024	0,8	T16PR-U	5025	ITF16	5330	
STERN DRIVE ENGINES — 898				0,9	T20PR-U	5035	ITF20	5331	
MERCURY									
SPORT JET — 90 HP	> 94			0,9	W22FSR	4024	IWF22	5379	
SPORT JET — 90 HP	> 95			1,0	W22FSR	4024	IWF22	5379	
SPORTJET 95XR — 95 HP	96 > 97			1,0	W22FSR	4024	IWF22	5379	
SPORTJET 120 — 120 HP	> 95			1,0	W22FSR	4024	IWF22	5379	
SPORTJET 120XR — 120 HP	96 > 99			0,8	W22FSR	4024	IWF22	5379	
SPORTJET 175XR — 175 HP	97 > 06	SF-24	6038	---					
M2 SPORT JET — 210 HP	00 > 06	SF-24	6038	---					
M2 SPORT JET — 240 HP	00 > 06			1,0	W24FPR-U10	6058	IWF24	5380	
OMC									
AJ - Ø14MM				0,9	W20PR-U	5046			
AJ - Ø14MM, CONICAL SEAT				0,9	T20PR-U	5035	ITF20	5331	
AT - Ø14MM				0,9	W20PR-U	5046			
AT - Ø14MM, CONICAL SEAT				0,9	T20PR-U	5035	ITF20	5331	
TJ - Ø14MM				0,9	W20PR-U	5046			

			Standard		R		Alternative		
									
OMC continued									
TJ - Ø14MM, CONICAL SEAT					0,9	T20PR-U	5035	ITF20	5331
TT - Ø14MM					0,9	W20PR-U	5046		
TT - Ø14MM, CONICAL SEAT					0,9	T20PR-U	5035	ITF20	5331
AJ / AT / TJ / TT (FLAT SEAT) – 14MM HEADS			W20S-U	3075	0,9	W20SR-U	3076		
AJ / AT / TJ / TT (TAPER SEAT) – 14MM HEADS					0,9	T20PR-U	5035	ITF20	5331
JET DRIVE ENGINES – TURBOJET 115					0,8	W22FSR	4024	IWF22	5379
JET DRIVE ENGINES – TURBOJET 90					0,8	W22FSR	4024	IWF22	5379
SAIL DRIVE					1,0	W22FPR-U	4022	IWF22	5379
SAIL DRIVE ENGINES – 15S10G	77 > 84				1,1	W20FPR-U	3070	IWF20	5378
SAIL DRIVE ENGINES – 15S10S	77 > 84				1,1	W20FPR-U	3070	IWF20	5378
SAIL DRIVE ENGINES – 15S11C	77 > 84				1,1	W20FPR-U	3070	IWF20	5378
SAIL DRIVE ENGINES – 15S13A	77 > 84				1,1	W20FPR-U	3070	IWF20	5378
SAIL DRIVE ENGINES – 15S14M	77 > 84				1,1	W20FPR-U	3070	IWF20	5378
SEA DRIVE			W27FS-U	4052	0,8	W27FSR	4054	IWF27	5381
SEA DRIVE ENGINES – 1.6L 115-SD	85 > 91				0,8	W22FSR	4024	IWF22	5379
SEA DRIVE ENGINES – 1.8L 140-SD	85 > 91				0,8	W22FSR	4024	IWF22	5379
SEA DRIVE ENGINES – 2.0L 140-SD	85 > 91				0,8	W22FSR	4024	IWF22	5379
SEA DRIVE ENGINES – 2.7L 225-SD	> 87				0,8	W22FSR	4024	IWF22	5379
SEA DRIVE ENGINES – 3.0L 225-SD	85 > 91				0,8	W22FSR	4024	IWF22	5379
SEA DRIVE ENGINES – 3.6L 275-SD	87 > 81				0,8	W22FSR	4024	IWF22	5379
SEA DRIVE ENGINES – 4.0L 300-SD	85 > 91				0,8	W22FSR	4024	IWF22	5379
STERN DRIVE ENGINES – 120 / 140 / 175 / 185 (TAPER SEAT)	74 >				0,8	T20PR-U	5035	ITF20	5331
STERN DRIVE ENGINES – 120 / 140 / 175 / 185 / 190 / 200 / 235 / 260 – 14MM HEADS	73 > 74	W20ES-U	3051	0,9	W20ESR-U	3057			
STERN DRIVE ENGINES – 190 / 200 / 235 / 260 (TAPER SEAT)	74 >			0,8	T20PR-U	5035	ITF20	5331	
STERN DRIVE ENGINES – 3.0 / 3.0 - HO	91 >	T16P-U	5024	1,1	T16PR-U	5025	ITF16	5330	
STERN DRIVE ENGINES – 3.8L	82 > 85			0,9	T20R-U	5038			
STERN DRIVE ENGINES – 4.3 - 2V / 4.3 - 4V / 5.0 / 5.0 - HO				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE ENGINES – 5.7 / 5.7 KING COBRA / 5.8 / 7.4 / 8.2				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE ENGINES – 7.5	> 89	T16P-U	5024	0,8	T16PR-U	5025	ITF16	5330	
STERN DRIVE ENGINES – MODEL 480		W20S-U	3075	0,8	W20SR-U	3076			
STERN DRIVE ENGINES – Ø14 MM - CONICAL SEAT	73 > 85			0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE ENGINES – Ø14MM	73 > 74	W20ES-U	3051	0,9	W20ESR-U	3057			
STERN DRIVE ENGINES – Ø18 MM - CONICAL SEAT	> 74			0,8	MA20PR-U	5013			
STERN DRIVE ENGINES – SERIES CU / GU / LU / SU / VU		W20ES-U	3051	0,9	W20ESR-U	3057			
STERN DRIVE ENGINES – SERIES DU		W20S-U	3075	0,8	W20SR-U	3076			
STERN DRIVE ENGINES – SERIES HU		T16P-U	5024	0,9	T16PR-U	5025	ITF16	5330	
STERN DRIVE ENGINES – SERIES JU/WU/XU/TUFR/TURM/TUFP				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE ENGINES – SERIES KU		W20S-U	3075	0,9	W20SR-U	3076			
STERN DRIVE ENGINES – SERIES NU		W20EP-U	3043	0,6	W20EPR-U	3047	IW20	5306	
STERN DRIVE ENGINES – SERIES TU - 20D				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE ENGINES – SERIES TU -14 / -15 / -16				0,9	W16PR-U	3037			
STERN DRIVE ENGINES – SERIES TU -17		W20S-U	3075	0,9	W20SR-U	3076			
STERN DRIVE ENGINES – SERIES XU - 20C				0,9	T20PR-U	5035	ITF20	5331	
STERN DRIVE ENGINES – SERIES XU - 20S		W20S-U	3075	0,9	W20SR-U	3076			
STERN DRIVE ENGINES – STINGER	78 > 86			0,9	T16PR-U	5025	ITF16	5330	
PALMER-GREENWICH									
M196 / M265 / M392 / M549 / M345B / M392B (STANDARD)		W20S-U	3075	0,8	W20SR-U	3076			
M304 / M345 / MKIV-115 / MKIV-150		W20S-U	3075	0,8	W20SR-U	3076			
M304 / M345 / MKIV-115 / MKIV-150 (LIGHT SERVICE = OPTION)		W14-U	6008	0,8					
M60 / P60 (STANDARD)		M14	5001	0,8					
MKVIII : 200 / 225 / 275 / 300		W20S-U	3075	0,8	W20SR-U	3076			
MKVIII : 200 / 225 / 275 / 300 (LIGHT SERVICE = OPTION)		W14-U	6008	0,8					
P302 / P351		MA20P-U	5012	0,8	MA20PR-U	5013			
PA190 / PA220 / PA255				0,8	MA20PR-U	5013			
PA350		T16P-U	5024	0,8	T16PR-U	5025	ITF16	5330	
PB-V-215 V-8				0,9	W22FSR	4024	IWF22	5379	
PW27 – Ø18MM		MW17	5088	0,8					
PW27 – 14MM HEADS				0,8	W16PR-U	3037			
PW27 – 18MM HEADS		M14	5001	0,8					
Y304 / Y345 / Y392		W20S-U	3075	0,8	W20SR-U	3076			
PANTER									
400 PLUS C	76 > 80			1,1	T16PR-U	5025	ITF16	5330	
400 PLUS-F	76 > 80			0,8	T20PR-U	5035	ITF20	5331	
500 PLUS	76 > 80			1,1	T16PR-U	5025	ITF16	5330	
F 110	78 > 80			1,1	T16PR-U	5025	ITF16	5330	
F 140	78 > 80			1,1	T16PR-U	5025	ITF16	5330	
F 185	76 > 80			0,9	W16EPR-U	3021	IW16	5305	

					Standard		R	Alternative	
PANTER <i>continued</i>									
F 235	76 > 80				0,9	W16EPR-U	3021	IW16	5305
M 360	76 > 80				0,9	W16EPR-U	3021	IW16	5305
M 405	76 > 80				1,1	T16PR-U	5025	ITF16	5330
M 454	76 > 80				1,1	T16PR-U	5025	ITF16	5330
M 460	76 > 80				0,8	T20PR-U	5035	ITF20	5331
PCM									
150 C.I.D.					1,1	T16PR-U	5025	ITF16	5330
200 C.I.D.					1,1	T16PR-U	5025	ITF16	5330
220 C.I.D.					1,1	T16PR-U	5025	ITF16	5330
229 C.I.D.					1,1	T16PR-U	5025	ITF16	5330
230 C.I.D.					1,1	T16PR-U	5025	ITF16	5330
250 C.I.D.					1,1	T16PR-U	5025	ITF16	5330
280 C.I.D.					1,1	T16PR-U	5025	ITF16	5330
302 C.I.D. - Ø14MM					1,1	T16PR-U	5025	ITF16	5330
302 C.I.D. - Ø18MM					0,8	MA20PR-U	5013		
305 C.I.D.					1,1	T16PR-U	5025	ITF16	5330
350 C.I.D.					1,1	T16PR-U	5025	ITF16	5330
350 C.I.D.					1,1	T16PR-U	5025	ITF16	5330
351 C.I.D. - Ø14MM					1,1	T16PR-U	5025	ITF16	5330
351 C.I.D. - Ø18MM					0,8	MA20PR-U	5013		
454 C.I.D.					1,1	T16PR-U	5025	ITF16	5330
460 C.I.D. - Ø14MM					1,1	T16PR-U	5025	ITF16	5330
460 C.I.D. - Ø18MM					0,8	MA20PR-U	5013		
5.7L HO MPI					1,1	T16EPR-U	5022	IT16	5325
5.7L HO SKI TBI - 275HP			T20P-U	5034	1,1	T16PR-U	5025	ITF20	5331
5.8L HO MPI - 310HP					1,1	T16EPR-U	5022	IT16	5325
7.4L CARBURATOR					1,1	T16PR-U	5025	ITF16	5330
7.4L HO TBI - 350HP					1,1	T16PR-U	5025	ITF16	5330
7.4L MPI					1,1	T16EPR-U	5022	IT16	5325
PIAGGIO									
IDROGETTO 2 CYL. / 3 CYL.			W22ES-U	3093	0,6	W22ESR-U	3098		
POLARIS									
OPTIMAX 3.0L 250 HP-EX 2100/LE2100 - JET DRIVE	> 04				1,1	SKJ16CR-L11	3396	IK16	5303
POWER PRODUCTS									
626			W20S-U	3075	0,6	W20SR-U	3076		
1000			W14-U	6008	0,6				
3000			W16LS	3035	0,6				
REDLINE									
5.0L — 302 C.I.D.			T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331
5.8L — 351 C.I.D.					0,9	T20PR-U	5035	ITF20	5331
5.8L — 351 C.I.D. HO					1,0	T20EPR-U	5032	IT20	5326
7.5L — 460 C.I.D.					0,9	T20PR-U	5035	ITF20	5331
RENAULT-COUACH									
RC6 / RC8 / RC15			M14	5001	0,6				
RC25 / RC30			W20FP-U	3068	0,6	W20FPR-U	3070	IWF20	5378
REVLEY									
R225 / R300 / R401					0,9	W16PR-U	3037		
ROLLS-ROYCE									
LM 841			W20ES-U	3051	0,9	W20ESR-U	3057		
MARINE V-8			W20ES-U	3051	0,6	W20ESR-U	3057		
SALSBURY									
ALL MODELS			W14-U	6008	0,6				
SCRIPPS									
14MM HEADS			W20S-U	3075	0,6	W20SR-U	3076		
18MM HEADS			L14-U	5000	0,6				
SEADRIVE									
1100			W20ES-U	3051	0,6	W20ESR-U	3057		
SEAFARER									
SEAFARER			W20ES-U	3051	0,5	W20ESR-U	3057		
ST. LAWRENCE									
14MM HEADS			W14-U	6008	0,6				
18MM HEADS			L14-U	5000	0,6				
STOKES									
WILLY'S TORNADO					0,6	W22FSR	4024	IWF22	5379
STUART TURNER									
14MM HEADS			W20FS-U	3073	0,5	W20FSR-U	6053	IWF22	5379
18MM HEADS			M17	5002	0,5				









		Standard				Alternative		
								
STUART TURNER <i>continued</i>								
P6 / P66 / R3M / ST4M		W20FS-U	3073	0,5	W20FSR-U	6053	IWF22	5379
TEMPEST								
VEDETTE MK8		W20ES-U	3051	0,6	W20ESR-U	3057		
TURBO MARINE								
FORD – 4 CYL.	73 >	W22EP-U	3085	0,6	W22EPR-U	3088	IW22	5307
KOHLER – K-399-2	71 > 73	M24S	5004	0,5				
U. S. MARINE								
5.8L – 351 C.I.D.				1,0	T20PR-U	5035	ITF20	5331
7.5L – 460 C.I.D.				1,0	T20PR-U	5035	ITF20	5331
UNIVERSAL								
140 SABRE – 198 CU.IN.				0,9	W16PR-U	3037		
155 SUPER SABRE – 225 CU.IN.				0,9	W16PR-U	3037		
188 LEV / LEVH/ LITTLE KING		W20S-U	3075	0,7	W20SR-U	3076		
227 NKEV BIG KING		MA20P-U	5012	0,9	MA20PR-U	5013		
ARROW / BLUEFIN / BULLIT		W20S-U	3075	0,8	W20SR-U	3076		
ATOMIC 1		W20S-U	3075	0,9	W20SR-U	3076		
ATOMIC 2 / ATOMIC 4 / ATOMIC STEVEDORE		W20S-U	3075	0,9	W20SR-U	3076		
ATOMIC 3		W20S-U	3075	0,9	W20SR-U	3076		
BR RACER		M17	5002	0,6				
COLT / COMMODORE / ELF / Z-DRIVE		W20S-U	3075	0,8	W20SR-U	3076		
EV / EV15 / EV20 / EV25 / EV30		W16LS	3035	0,9				
EXPLORER SIX / KINGHT / TARPON / MARLIN		W20S-U	3075	0,9	W20SR-U	3076		
STRATO-KING		W20S-U	3075	0,7	W20SR-U	3076		
SUPER SABRE				0,9	W16PR-U	3037		
SUPER SIX / SUPER SIX STEVEDORE		W20S-U	3075	0,9	W20SR-U	3076		
VALMET								
6 BVRE , BVR		W20FS-U	3073	0,5	W20FSR-U	6053	IWF22	5379
7 VIRE 70E		W20FS-U	3073	0,7	W20FSR-U	6053	IWF22	5379
VOLVO PENTA								
B16A				0,6	W20PR-U	5046		
B16C				0,6	W20PR-U	5046		
B18A		W20FS-U	3073	0,6	W20FSR-U	6053	IWF22	5379
BB25 / BB41		W20S-U	3075	0,6	W20SR-U	3076		
BB30B / BB10A		W22FP-U	4021	0,6	W22FPR-U	4022	IWF22	5379
BB30F KEROSENE		W16FS-U	3034	0,9	W16FSR	3033		
BB70	58 > 62	W20S-U	3075	0,6	W20SR-U	3076		
BB100 / A	63 > 69	W22FP-U	4021	0,6	W22FPR-U	4022	IWF22	5379
BB115A / B / C	69 > 77	W20FS		0,6	W22FSR	4024	IWF22	5379
BB140 / BB145A		W22EP-U	3085	0,7	W22EPR-U	3088	IW22	5307
BB145C		W24EP-U	4028	0,6	W24EPR-U	4136	IW24	5316
BB165A	65 > 69	W22FS-U	4025	0,6			IWF22	5379
BB170A / B	69 > 73	W20FS		0,6	W22FSR	4024	IWF22	5379
BB220 / BB225 / BB260				0,6	T20PR-U	5035	ITF20	5331
BB311				0,6	T20PR-U	5035	ITF20	5331
C2 / C5 / C10 / C23		L14-U	5000	0,6				
MB 2 S / MB 50 S		X20FS-U	4078	0,6	X20FSR-U	4080		
MB10 / MB10 A / 100S		W16FP-U	4019	0,6	W16FPR-U	4192	IWF16	5359
MB18F KEROSENE		W16FS-U	3034	0,9	W16FSR	3033		
MB20A	69 > 71	W22FP-U	4021	0,6	W22FPR-U	4022	IWF22	5379
MB20B	69 > 80	W22FP-U	4021	0,6	W22FPR-U	4022	IWF22	5379
MB36A / B	56 > 65	W20S-U	3075	0,6	W20SR-U	3076		
AQ SERIES – 60F		W16FS-U	3034	0,9	W16FSR	3033		
AQ SERIES – 60F KEROSENE		W16FS-U	3034	0,9	W16FSR	3033		
AQ SERIES – 80	58 > 63	W20S-U	3075	0,6	W20SR-U	3076		
AQ SERIES – 90	62 > 64	W16FS-U	3034	0,6	W16FSR	3033		
AQ SERIES – 95 / 95A / 100 / 105A		W22FP-U	4021	0,6	W22FPR-U	4022	IWF22	5379
AQ SERIES – 110 / 115A / 120A		W22FP-U	4021	0,6	W22FPR-U	4022	IWF22	5379
AQ SERIES – 120 (B21)	66 > 68	W22EP-U	3085	0,6	W22EPR-U	3088	IW22	5307
AQ SERIES – 125 (B21) 2.1L 1 CARB.	84 > 85	W22EP-U	3085	0,6	W22EPR-U	3088	IW22	5307
AQ SERIES – 125A 4 CYL.	81 > 84	W22EP-U	3085	0,6	W22EPR-U	3088	IW22	5307
AQ SERIES – 130 / A / B / C / D	68 > 77	W20FS		0,6	W22FSR	4024	IWF22	5379
AQ SERIES – 131 / A / B / C / D	85 > 89	W22EP-U	3085	0,6	W22EPR-U	3088	IW22	5307
AQ SERIES – 140 / A	75 > 79	W22EP-U	3085	0,6	W22EPR-U	3088	IW22	5307
AQ SERIES – 145 / A	79 > 85	W22EP-U	3085	0,7	W22EPR-U	3088	IW22	5307
AQ SERIES – 150 / A / B	65 > 69			0,9	W16PR-U	3037		
AQ SERIES – 151 / A / B / C	85 > 89	W22EP-U	3085	0,6	W22EPR-U	3088	IW22	5307
AQ SERIES – 165A	68 > 69	W22FS-U	4025	0,7			IWF22	5379
AQ SERIES – 170 / A / B / C	69 > 78	W22FS-U	4025	0,7			IWF22	5379









		Standard				Alternative		
								
VOLVO PENTA <i>continued</i>								
AQ SERIES – 171	86 > 89	W22EP-U	3085	0,6	W22EPR-U	3088	IW22	5307
AQ SERIES – 175A	81 > 85			0,7	T20PR-U	5035	ITF20	5331
AQ SERIES – 180	63 > 64	W20S-U	3075	0,6	W20SR-U	3076		
AQ SERIES – 190	76 > 77	T16P-U	5024	0,7	T16PR-U	5025	ITF16	5330
AQ SERIES – 200 / A / B / D	69 > 86	T20P-U	5034	0,7	T20PR-U	5035	ITF20	5331
AQ SERIES – 205A	> 87			0,7	T20R-U	5038		
AQ SERIES – 205A	87 >			0,7	T20PR-U	5035	ITF20	5331
AQ SERIES – 210 --> SER. NO. 177314	70 > 72	W20S-U	3075	0,7	W20SR-U	3076		
AQ SERIES – 210A SER.NO. 177315 -->	70 > 72	T20P-U	5034	0,7	T20PR-U	5035	ITF20	5331
AQ SERIES – 211A	> 87			0,7	T20R-U	5038		
AQ SERIES – 211A	87 >			0,7	T20PR-U	5035	ITF20	5331
AQ SERIES – 225 / A / B / C / D	73 > 86	T20P-U	5034	0,7	T20PR-U	5035	ITF20	5331
AQ SERIES – 225 / E / F	85 > 86			0,9	T20R-U	5038		
AQ SERIES – 230A	89 > 92	W22EP-U	3085	0,8	W22EPR-U	3088	IW22	5307
AQ SERIES – 230B	92 > 93	W22EP-U	3085	0,6	W22EPR-U	3088	IW22	5307
AQ SERIES – 231A	86 > 89			0,7	T20PR-U	5035	ITF20	5331
AQ SERIES – 240A	76 > 77	T20P-U	5034	0,7	T20PR-U	5035	ITF20	5331
AQ SERIES – 250 A (B25)	89 > 92	W22EP-U	3085	0,6	W22EPR-U	3088	IW22	5307
AQ SERIES – 251 (B25)	89 > 92	W22EP-U	3085	0,6	W22EPR-U	3088	IW22	5307
AQ SERIES – 255B	78 > 78	T20P-U	5034	0,7	T20PR-U	5035	ITF20	5331
AQ SERIES – 260A, 280 / A, 290A				0,7	T20PR-U	5035	ITF20	5331
AQ SERIES – 271C, 311B				0,7	T20PR-U	5035	ITF20	5331
AQ SERIES – 430 / 431 V-6	90 > 92			0,7	T20PR-U	5035	ITF20	5331
AQ SERIES – 500 / 501 V-8				0,7	T20PR-U	5035	ITF20	5331
AQ SERIES – 570 / 571 V-8				0,7	T20PR-U	5035	ITF20	5331
AQ SERIES – 740ADP				0,7	T20PR-U	5035	ITF20	5331
AQ SERIES – MS5 7.4 LITRE, 455 C.I.D.				0,7	T20PR-U	5035	ITF20	5331
OCEAN SERIES – 4.3L OSI-XPD		MA20P-U	5012	0,9	MA20PR-U	5013		
OCEAN SERIES – 5.0L OSI-XPD				0,9	T20EPR-U	5032	IT20	5326
OCEAN SERIES – 5.7L OSI-XPD				0,9	T20EPR-U	5032	IT20	5326
OCEAN SERIES – 5.7L OSXI-XPD				0,9	T20EPR-U	5032	IT20	5326
STERN DRIVE SERIES - DPX – 5.7L DPX 375				1,5	T20EPR-U15	5033	IT20	5326
STERN DRIVE SERIES - DUOPROP – 4.3L GI EFI				1,1	T20EPR-U	5032	IT20	5326
STERN DRIVE SERIES - DUOPROP – 4.3L GI EFI				1,1	T20PR-U	5035	ITF20	5331
STERN DRIVE SERIES - DUOPROP – 4.3L GL 2 BBL				1,1	T20EPR-U	5032	IT20	5326
STERN DRIVE SERIES - DUOPROP – 4.3L GL 2 BBL				1,1	T20PR-U	5035	ITF20	5331
STERN DRIVE SERIES - DUOPROP – 4.3L GS 4 BBL				1,1	T20EPR-U	5032	IT20	5326
STERN DRIVE SERIES - DUOPROP – 4.3L GS 4 BBL				1,1	T20PR-U	5035	ITF20	5331
STERN DRIVE SERIES - DUOPROP – 5.0L FI EFI		MA20P-U	5012	0,9	MA20PR-U	5013		
STERN DRIVE SERIES - DUOPROP – 5.0L FL 2 BBL				0,9	T16PR-U	5025	ITF16	5330
STERN DRIVE SERIES - DUOPROP – 5.0L GI GEN 1+				1,1	T20EPR-U	5032	IT20	5326
STERN DRIVE SERIES - DUOPROP – 5.0L GL GEN 1+				1,1	T20EPR-U	5032	IT20	5326
STERN DRIVE SERIES - DUOPROP – 5.7L GI EFI				1,1	T20PR-U	5035	ITF20	5331
STERN DRIVE SERIES - DUOPROP – 5.7L GLI EFI				1,1	T20PR-U	5035	ITF20	5331
STERN DRIVE SERIES - DUOPROP – 5.7L GS GEN 1+				1,1	T20EPR-U	5032	IT20	5326
STERN DRIVE SERIES - DUOPROP – 5.7L GSI GEN 1+				1,1	T20EPR-U	5032	IT20	5326
STERN DRIVE SERIES - DUOPROP – 5.7L GXI				1,5	T20EPR-U15	5033	IT20	5326
STERN DRIVE SERIES - DUOPROP – 5.8L FL 4 BBL				0,9	T16PR-U	5025	ITF16	5330
STERN DRIVE SERIES - DUOPROP – 5.8L FSI EFI HO				0,9	T20EPR-U	5032	IT20	5326
STERN DRIVE SERIES - DUOPROP – 7.4L GI L29				0,9	T20EPR-U	5032	IT20	5326
STERN DRIVE SERIES - PJX WATER JET – 4.3L GI EFI				1,1	T20EPR-U	5032	IT20	5326
STERN DRIVE SERIES - PJX WATER JET – 4.3L GS 4 BBL				1,1	T20EPR-U	5032	IT20	5326
STERN DRIVE SERIES - PJX WATER JET – 7.4L GI EFI				1,1	T20PR-U	5035	ITF20	5331
STERN DRIVE SERIES - SX COBRA – 3.0L GS 2 BBL				1,1	T20EPR-U	5032	IT20	5326
STERN DRIVE SERIES - SX COBRA – 4.3L GI EFI				1,1	T20EPR-U	5032	IT20	5326
STERN DRIVE SERIES - SX COBRA – 4.3L GI EFI				1,1	T20PR-U	5035	ITF20	5331
STERN DRIVE SERIES - SX COBRA – 4.3L GL 2 BBL				1,1	T20EPR-U	5032	IT20	5326
STERN DRIVE SERIES - SX COBRA – 4.3L GS 4 BBL				1,1	T20EPR-U	5032	IT20	5326
STERN DRIVE SERIES - SX COBRA – 5.0L FI EFI				0,9	T20EPR-U	5032	IT20	5326
STERN DRIVE SERIES - SX COBRA – 5.0L FL 2 BBL				0,9	T16PR-U	5025	ITF16	5330
STERN DRIVE SERIES - SX COBRA – 5.0L GI GEN 1+				1,1	T20EPR-U	5032	IT20	5326
STERN DRIVE SERIES - SX COBRA – 5.0L GL GEN 1+				1,1	T20EPR-U	5032	IT20	5326
STERN DRIVE SERIES - SX COBRA – 5.7L GI EFI				1,1	T20PR-U	5035	ITF20	5331
STERN DRIVE SERIES - SX COBRA – 5.7L GLI EFI				1,1	T20PR-U	5035	ITF20	5331
STERN DRIVE SERIES - SX COBRA – 5.7L GS GEN 1+				1,1	T20EPR-U	5032	IT20	5326
STERN DRIVE SERIES - SX COBRA – 5.7L GSI GEN 1+				1,1	T20EPR-U	5032	IT20	5326
STERN DRIVE SERIES - SX COBRA – 5.7L GXI				1,5	T20EPR-U15	5033	IT20	5326
STERN DRIVE SERIES - SX COBRA – 5.8L FL 4 BBL				0,9	T16PR-U	5025	ITF16	5330









VOLVO PENTA <i>continued</i>	27	Standard			R	Alternative		
		Spark Plug	Part No.	Gap		Spark Plug	Part No.	Part No.
STERN DRIVE SERIES -SX COBRA — 5.8L FSI EFI HO				0,9	T20EPR-U	5032	IT20	5326
STERN DRIVE SERIES -SX COBRA — 7.4L GI EFI				1,1	T20PR-U	5035	ITF20	5331
STERN DRIVE SERIES -SX COBRA — 7.4L GI L29				0,9	T20EPR-U	5032	IT20	5326
WATERMOTA								
29 SEA WOLF FORD 105E		W20ES-U	3051	0,6	W20ESR-U	3057		
35 SEA OTTER FORD 115E		W20ES-U	3051	0,6	W20ESR-U	3057		
45 SEA TIGER FORD 122E		W20ES-U	3051	0,6	W20ESR-U	3057		
SEA CHEETAH / SEA LEOPARD		W20EP-U	3043	0,6	W20EPR-U	3047	IW20	5306
SEA TIGER 1599CC		W20EP-U	3043	0,6	W20EPR-U	3047	IW20	5306
SEA WOLF 1098CC		W20EP-U	3043	0,6	W20EPR-U	3047	IW20	5306
SHRIMP		W20ES-U	3051	0,5	W20ESR-U	3057		
SUPER SHRIMP		W20S-U	3075	0,5	W20SR-U	3076		
WAUKESHA								
350 460 / 4		T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331
350 WLF / WRF		T20P-U	5034	0,9	T20PR-U	5035	ITF20	5331
WEST BEND								
STERN DRIVE — SHARK-O-MATIC		W20S-U	3075	0,8	W20SR-U	3076		
WICKSTROM								
W1 / W2 / W3		M17	5002	0,5				
WORTHAM BLAKE								
DOLPHIN MK2 / SPRITE		W16EP-U	3018	0,8	W16EPR-U	3021	IW16	5305
FISHERBOY 4 OHV		W20EP-U	3043	0,6	W20EPR-U	3047	IW20	5306
FISHERBOY SV		W20FS-U	3073	0,6	W20FSR-U	6053	IWF22	5379
SPRITE V-4 / DOLPHIN V-6		W20EP-U	3043	0,8	W20EPR-U	3047	IW20	5306
YAMAHA								
110	63 > 66	W20ES-U	3051	0,8	W20ESR-U	3057		
1100 CC. — 212S	08 > 10			0,8	U27ESR-NB	4224	IU27	5363
1100 CC. — 212X	08 > 10			0,8	U27ESR-NB	4224	IU27	5363
1100 CC. — 232 LIMITED	08 > 09			0,8	U27ESR-NB	4224	IU27	5363
1100 CC. — AR210	03 > 10			0,8	U27ESR-NB	4224	IU27	5363
1100 CC. — AR230	03 > 05			0,8	U27ESR-NB	4224	IU27	5363
1100 CC. — AR230 HIGH OUTPUT	05 > 09			0,8	U27ESR-NB	4224	IU27	5363
1100 CC. — EXCITER 220	96 > 98			0,6	W24FSR	4037	IWF24	5380
1100 CC. — SR210	> 07			0,8	U27ESR-NB	4224	IU27	5363
1100 CC. — SR230	03 > 05			0,8	U27ESR-NB	4224	IU27	5363
1100 CC. — SR230 HIGH OUTPUT	> 07			0,8	U27ESR-NB	4224	IU27	5363
1100 CC. — SX210	> 07			0,8	U27ESR-NB	4224	IU27	5363
1100 CC. — SX230	03 > 05			0,8	U27ESR-NB	4224	IU27	5363
1100 CC. — SX230 HIGH OUTPUT	05 > 07			0,8	U27ESR-NB	4224	IU27	5363
1200 CC. — AR210	03 > 05			0,6	W24FSR	4037	IWF24	5380
1200 CC. — EXCITER 135	98 > 99			0,6	W24FSR	4037	IWF24	5380
1200 CC. — EXCITER 227	98 > 99			0,6	W24FSR	4037	IWF24	5380
1200 CC. — EXCITER 270	98 > 99			0,6	W24FSR	4037	IWF24	5380
1200 CC. — LS2000	99 > 03			0,6	W24FSR	4037	IWF24	5380
1200 CC. — LX2000	> 02			0,6	W24FSR	4037	IWF24	5380
1200 CC. — LX210	03 > 05			0,6	W24FSR	4037	IWF24	5380
1200 CC. — XR1800	00 > 01			1,1	W24ESR-U	4033	IW24	5316
STERN DRIVE ENGINES — 110 L4 3.0L (181 C.I.D.) L-4				0,7	T20PR-U	5035	ITF20	5331
STERN DRIVE ENGINES — 180 V-6 4.3L (262 C.I.D.) V-6		T20P-U	5034	0,7	T20PR-U	5035	ITF20	5331
STERN DRIVE ENGINES — 210 V-8 5.0L (305 C.I.D.) V-8				0,7	T20PR-U	5035	ITF20	5331
STERN DRIVE ENGINES — 240 V-8 5.7L (359 C.I.D.) V-8				0,7	T20PR-U	5035	ITF20	5331
STERN DRIVE ENGINES — 300 V-8 7.4L (454 C.I.D.) V-8				0,7	T20R-U	5038		

DENSO Jetski











		KW			Standard			Alternative	
									
ARCTCO (SUZUKI)									
	639				W27ESR-U	4045	0,7	IW27	5317
	644				W27ESR-U	4045	0,7	IW27	5317
	800				W27ESR-U	4045	0,7	IW27	5317
640 cc	TIGERSHARK Daytona	46		93 >	W27ESR-U	4045	0,7	IW27	5317
640 cc	TIGERSHARK Barracuda	46		94 >	W27ESR-U	4045	0,7	IW27	5317
640 cc	TIGERSHARK Montego (Deluxe)	46		95 >	W27ESR-U	4045	0,7	IW27	5317
640 cc	TIGERSHARK Monte Carlo 640	46		95 >	W27ESR-U	4045	0,7	IW27	5317
768 cc	TIGERSHARK Daytona 770	66		96 >	W27ESR-U	4045	0,7	IW27	5317
768 cc	TIGERSHARK Monte Carlo 770	66		96 >	W27ESR-U	4045	0,7	IW27	5317
896 cc	TIGERSHARK Monte Carlo 900	77		95 >	W27ESR-U	4045	0,7	IW27	5317
	TIGERSHARK Daytona			97 >	W27ESR-U	4045	0,7	IW27	5317
	TIGERSHARK Monte Carlo			97 >	W27ESR-U	4045	0,7	IW27	5317
ARKOS (EMAK)									
	AQUASCOOTER JLO				W20FS-U	3073	0,6		
BOMBARDIER (SEA - DOO)									
	580 1 / 580 2 / 580 3 / 5810			88 >	W22ESR-U	3098	0,7		
	580 EXP / 580 SPX			93 >	W22ESR-U	3098	0,6		
	580 GT			91 >	W22ESR-U	3098	0,7		
	580 GTS			92 >	W22ESR-U	3098	0,6		
	580 GTX			92 > 93	W22ESR-U	3098	0,6		
	580 SP			91 >	W22ESR-U	3098	0,6		
	580 SPi			93 >	W22ESR-U	3098	0,6		
	580 XP			91 > 92	W22ESR-U	3098	0,6		
	650 GTX			94 >	W24ESR-U	4033	0,6	IW24	5316
	650 SPX			94 >	W24ESR-U	4033	0,6	IW24	5316
	650 XP			93 >	W24ESR-U	4033	0,6	IW24	5316
718 cc	718 GS	63.0		97 >	W24ESR-U	4033	0,6	IW24	5316
718 cc	718 GSi	66.0		97 >	W24ESR-U	4033	0,6	IW24	5316
718 cc	718 GTi	63.0		95 >	W24ESR-U	4033	0,6	IW24	5316
718 cc	718 GTS	63.0		97 >	W24ESR-U	4033	0,6	IW24	5316
718 cc	718 HX	63.0		95 >	W24ESR-U	4033	0,6	IW24	5316
782 cc	718 SP (R.A.V.E.)	81.0		97 >	W24ESR-U	4033	0,6	IW24	5316
	718 SPX			96 >	W24ESR-U	4033	0,6	IW24	5316
782 cc	718 XP (R.A.V.E.)	81.0		95 >	W24ESR-U	4033	0,6	IW24	5316
	781 XP			95 >	W24ESR-U	4033	0,6	IW24	5316
782 cc	782 GTX / GSX (R.A.V.E.)	81.0		96 >	W24ESR-U	4033	0,6	IW24	5316
782 cc	782 SPX (R.A.V.E.)	81.0		97 >	W24ESR-U	4033	0,6	IW24	5316
	787 GSX			96 >	W24ESR-U	4033	0,6	IW24	5316
	787 GTX			96 >	W24ESR-U	4033	0,6	IW24	5316
	800 XP			96 >	W24ESR-U	4033	0,6	IW24	5316
951 cc	3D DI		Orbital Direct injection		KJ14CR-L11	3167	1,1	IK16	5303
951 cc	GSX Limited (R.A.V.E.)	96.0		97 >	W24ESR-U	4033	0,6	IW24	5316
951 cc	GTX Di	96.0	Orbital Direct injection	00 >			1,0		
951 cc	RX Di	96.0	Orbital Direct injection	00 >			1,0		
1500 cc	GTI 4-TEC / SC		BRP-Rotax 1503		XU24EPR-U	3312	0,7	IXU24	5309
1500 cc	GTX / SC / Ltd / WAKE		BRP-Rotax 1503		XU24EPR-U	3312	0,7	IXU24	5309
1500 cc	RXP		BRP-Rotax 1503		XU24EPR-U	3312	0,7	IXU24	5309
1500 cc	RXT		BRP-Rotax 1503		XU24EPR-U	3312	0,7	IXU24	5309
HONDA									
1235 cc	AQUATRAX F12	92.0	ARX1200N3	01 >			0,9	IUH27	5369
1235 cc	AQUATRAX F12X Turbo	121.0	ARX1200T3	01 >			0,9	VNH27Z	5631
1235 cc	AQUATRAX R12	92.0	ARX1200N2	03 >			0,9	VNH27Z	5631
1235 cc	AQUATRAX R12X Turbo	121.0	ARX1200T2	03 >			0,9	VNH27Z	5631
JET SKI (KAWASAKI)									
	750SX / 750 SXi / 750X-4 / 750 SXi Pro				W24ESR(B)	6068	0,8	IW24	5316
743 cc	750 SXI PRO		JH750-C..	02 >	W24ESR(B)	6068	0,8	IW24	5316
891 cc	900 STX		JT900-C..	98 >	W27ESR(B)	6069	0,7	IW27	5317
891 cc	900 STS		JT900-B..	98 >	W27ESR(B)	6069	0,7	IW27	5317
	900 ZXi		JH 900 A/-A1	95 >	W27ESR(B)	6069	0,8	IW27	5317
1071 cc	1100 ZXi		JH1100-A..		W27ESR(B)	6069	0,7	IW27	5317
1071 cc	1100 STX / 1100 Sxi				W27ESR(B)	6069	0,7	IW27	5317
1176 cc	1200 STX-R	103.0	JT1200-A1	02 >			0,7	IW01-27	5714
	Jetmate, Jetski 300 / 440 / 650SX / X-2 / TS / SC				W22ESR-U	3098	0,8		
	Jetski 550	> 60		> 85	W22ESR-U	3098	0,8		
	Jetski 550	61 >		86 >	W24ESR-U	4033	0,8	IW24	5316
	Jetski 550 SX				W24ESR-U	4033	0,8	IW24	5316
	JF 650			86 > 96	W22ESR-U	3098	0,8		

	KW			Standard			Alternative	
								
JET SKI (KAWASAKI) continued								
JF 650 - A10			95 >	W24ESR-U	4033	0,8	IW24	5316
JH 1100			96 >	W27ESR-V	4049	0,8	IW27	5317
JH 750 / JS 750			92 > 96	W24ESR-U	4033	0,8	IW24	5316
JL 650 / JS 650			91 > 95	W22ESR-U	3098	0,8		
JS 300			86 > 91	W22ESR-U	3098	0,8		
JS 300SX			86 > 89	W22ESR-U	3098	0,8		
JS 400			76 >	W22ESR-U	3098	0,8		
JS 400A			74 > 75	W22ES-U	3093	0,8		
JS 440			77 > 92	W22ESR-U	3098	0,8		
JS 550 / JB 650			82 > 95	W22ESR-U	3098	0,8		
JS 650			87 > 90	W22ES-U	3093	0,8		
JT 750			93 > 96	W24ESR(B)	6068	0,8	IW24	5316
1176 cc Ultra 150	110.0	JH1200A1	99			0,6	IW01-27	5714
1176 cc Ultra 150	107.0	JH1200A2	00			0,6	IW01-27	5714
1176 cc Ultra 150	107.0	JH1200 A3/A4	01 >	W27ESR(B)	6069	0,7	IW27	5317
KAWASAKI								
743 cc XI SPORT		JH750-G..	98 >	W24ESR(B)	6068	0,8	IW24	5316
781 cc 800 SX-R	58.9	JS800	03 >	W24ESR-U	4033	0,8	IW24	5316
890 cc 900 STX		JT900	98 >	W27ESR-U	4045	0,8	IW27	5317
1199 cc STX-12F	91.9	JT1200	03 >	U27ETR	4155	0,8	IU27A	5366
1498 cc STX-15F	118.0	JT1500	03 >	U27ETR	4155	0,8	IU27A	5366
POLARIS								
700 cc FREEDOM				W24EPR-U	4136	0,7	IW24	5316
GENESIS	99.0		01 >			0,7	IK27	5312
HURRICANE			96	W22EPR-U	3088	0,7	IW22	5307
HURRICANE			97 >	W24EPR-U	4136	0,7	IW24	5316
750 cc MSX 110		Turbo	04 >	PK22PR8	3273	0,8		
750 cc MSX 150		Turbo	04 >	PK22PR8	3273	0,8		
OCTANE				W27ESR-U	4045	0,6	IW27	5317
PRO 1200	99.0		01 >			0,7	IK27	5312
SL 650 / SL 650 STD			95 >	W22EPR-U	3088	0,6	IW22	5307
SL 650			92 > 93	W24ESR-U	4033	0,7	IW24	5316
SL 650			94 > 95	W22EPR-U	3088	0,7	IW22	5307
SL 650 STD			95 >	W22EPR-U	3088	0,7	IW22	5307
SL 700			96	W22EPR-U	3088	0,7	IW22	5307
SL 700	59.0		97 >	W24EPR-U	4136	0,7	IW24	5316
SLT 700	59.0		96 >	W22EPR-U	3088	0,7	IW22	5307
SL 700 DELUXE			97 >	W22EPR-U	3088	0,7	IW22	5307
SLH	70.0		98 >	W24EPR-U	4136	0,7	IW24	5316
SLTH			98 >	W24EPR-U	4136	0,7	IW24	5316
SL 750			93	W24ESR-U	4033	0,7	IW24	5316
SL 750			94 > 95	W22EPR-U	3088	0,7	IW22	5307
SLT 750			94 > 95	W22EPR-U	3088	0,7	IW22	5307
SLT 780	66.0		96 >	W24EPR-U	4136	0,7	IW24	5316
SLX 780	66.0		95 > 96	W24EPR-U	4136	0,7	IW24	5316
SL 780	66.0		96 >	W24EPR-U	4136	0,7	IW24	5316
SLT 780	70.0		97 >	W24EPR-U	4136	0,7	IW24	5316
SLX PRO 785	99.0		97			0,7	IW24	5316
SLX PRO 785	99.0	(Heavy use = option)	98 >			0,7	IW27	5317
SL 900	81.0		96 >	W24EPR-U	4136	0,7	IW24	5316
SLTX	88.0		96 >	W24EPR-U	4136	0,7	IW24	5316
SLXH			96 > 97	W24EPR-U	4136	0,7	IW24	5316
SLT 1050	88.0		97 >	W24EPR-U	4136	0,7	IW24	5316
SL 1050			97 >	W24EPR-U	4136	0,7	IW24	5316
SLXH	99.0		98 >	W27ESR-U	4045	0,7	IW27	5317
SLX	99.0		99 >			0,7	IK27	5312
VIRAGE				W24EPR-U	4136	0,7	IW24	5316
VIRAGE i	70.0		01 >	W24EPR-U	4136	0,7	IW24	5316
VIRAGE TX	99.0		01 >			0,7	IK27	5312
POWERBOARD								
PowerBoard			89 > 90	W22FPR-U	4022	0,9	IWF22	5379
PROGRESSIVE POWER								
Formula Micro			87 > 90	W20MP-U	6023	0,6		
SEA - DOO > BOMBARDIER								
SURF JET								
260 cc All 260cc Models	260cc		80 > 92	W22FS-U	4025	0,6	IWF22	5379
SUZUKI								
650 cc WATERSCOOTER PJ 650			95 >	W27ESR-V	4049	0,7	IW27	5317

		KW			Standard			Alternative	
									
TIGERSHARK > (ARCTCO)									
ULTRA NAUTICS									
	All models with Mercury Engines			92 >	SF-50	6001			
	All models with Suzuki Engines			92 >	W24FSR	4037	0,8	IWF24	5380
845 cc	Jetfisher 1670B			90 >	W24FS-U	4038	0,8	IWF24	5380
	Jetstar 1250 / Starflash			88 > 90	W24FS-U	4038	0,8	IWF24	5380
	Riverjet 1670 / Jetstar 1260 / Jetfisher 1660L			91 >	W24FS-U	4038	0,8	IWF24	5380
	Riverjet 167B			90 >	W24FS-U	4038	0,8	IWF24	5380
	Seafish ST / XL / XP			91 >	W24FS-U	4038	0,8	IWF24	5380
	Wetbike			86 > 91	W24FS-U	4038	0,8	IWF24	5380
WET JET									
	428			85 >	W24ESR-U	4033	0,8	IW24	5316
	428 L / C			86 > 87	W24ESR-U	4033	0,8	IW24	5316
	432			88 >	W24ESR-U	4033	0,8	IW24	5316
	432 - Brut			88 > 92	W24ESR-U	4033	0,7	IW24	5316
	DUO / ZX			96 >	W24FSR	4037	0,6	IWF24	5380
	DUO 200			94 >	W24ESR-U	4033	0,7	IW24	5316
	DUO 300 / DUO 300 ZX			95 >	W24FSR	4037	0,8	IWF24	5380
	Special Edition Brut			91 > 92	W24ESR-U	4033	0,7	IW24	5316
	Spirit			85 >	W24ESR-U	4033	0,7	IW24	5316
	Sport Brut			92 >	W24ESR-U	4033	0,7	IW24	5316
	Sport II Brut			90 > 92	W24ESR-U	4033	0,7	IW24	5316
YAMAHA									
	2 Cyl. 701cc			01 >	W24FSR	4037	0,6	IWF24	5380
	FX 140	103.0		01 >	U27ESR-NB	4224	0,7	IU27A	5366
	FX 700 (FX 1)	46.0		95 > 96	W24FS-U	4038	0,7	IWF24	5380
	Super Jet BJ 650			90 > 93	W24FS-U	4038	0,6	IWF24	5380
	Super Jet SJ 650			90 > 94	W24FS-U	4038	0,6	IWF24	5380
	Super Jet SJ 700T			95 > 97	W24FS-U	4038	0,7	IWF24	5380
	Super Jet SJ 700		MJ-700SJ	98 >	W22FS-U	4025	0,7	IWF22	5379
	Super Jet SJ 700	54.0	MJ-700SJ	02 >	W22FSR	4024	0,7	IWF24	5380
	700 XL LTD			01 >	W24FSR	4037	0,6	IWF24	5380
	WaveBlaster WB 700	54.0		95 >	W24FS-U	4038	0,7	IWF24	5380
	WaveBlaster WB 700T			93 > 96	W24FS-U	4038	0,7	IWF24	5380
	WaveBlaster II 760	66.0		97 >	W24FSR	4037	0,6	IWF24	5380
	WaveJammer MJ 500			87 > 90	W22FS-U	4025	0,6	IWF22	5379
	WaveRaider 1100 RA 1100			95 > 96	W24FSR	4037	0,6	IWF24	5380
	WaveRaider Deluxe RA 700			95 > 96	W24FSR	4037	0,6	IWF24	5380
	WaveRaider RA 700T			95 > 96	W24FSR	4037	0,6	IWF24	5380
	WaveRunner II GP WRA 700T			95 > 96	W24FSR	4037	0,6	IWF24	5380
	WaveRunner III WRA 650			90 > 93	W24FSR	4037	0,6	IWF24	5380
	WaveRunner III WRA 650T			95 > 96	W24FS-U	4038	0,7	IWF24	5380
	WaveRunner III GP			00 >	W24ESR(B)	6068	1,0	IW24	5316
	WaveRunner FX 1100		(CRUISER) HO	03 >	U27ESR-NB	4224	0,7	IU27A	5366
	WaveRunner FX 1800		(CRUISER) SHO	07 >	K20HR-U11	3381	1,1	IKH20	5344
	WaveRunner GP 760	66.0		98 >	W24FSR	4037	0,6	IWF24	5380
	WaveRunner GP 800 / GP 800 R	88.0		00 >	W24ESR(B)	6068	0,7	IW24	5316
	WaveRunner GP 1200	99.0		98 >	W24FSR	4037	0,6	IWF24	5380
	WaveRunner GP 1200 R			01 >	W24ESR(B)	6068	0,9	IW24	5316
	WaveRunner GP 1200 R	114.0		02 >	W24ESR(B)	6068	0,7	IW24	5316
	WaveRunner Pro VXR WRA 700			93 > 96	W24FSR	4037	0,6	IWF24	5380
	WaveRunner Pro VXR WRB 700			93 > 96	W24FSR	4037	0,6	IWF24	5380
	WaveRunner SUV 1200 Superverture	99.0		00 >	W24FSR	4037	0,7	IWF24	5380
	WaveRunner VXR WRB 650			95 >	W24FSR	4037	0,7	IWF24	5380
	WaveRunner VXR WRB 650T			91 > 96	W24FS-U	4038	0,6	IWF24	5380
	WaveRunner WB 700			93 >	W24FS-U	4038	0,6	IWF24	5380
	WaveRunner WR 500			87 > 93	W22FS-U	4025	0,6	IWF22	5379
	WaveRunner WR 650			90 > 92	W24FS-U	4038	0,6	IWF24	5380
	WaveRunner XL 700	59.0		01 >	W24FSR	4037	0,6	IWF24	5380
	WaveRunner XL 760	66.0		98 >	W24FSR	4037	0,6	IWF24	5380
	WaveRunner XL 800			00 >	W24ESR(B)	6068	0,7	IW24	5316
	WaveRunner XL 1200	99.0		98 >	W24FSR	4037	0,6	IWF24	5380
	WaveRunner XL 1200 LTD	99.0		99 >	W24ESR(B)	6068	1,0	IW24	5316
	WaveRunner XLT 800			00 >	W24ESR(B)	6068	0,7	IW24	5316
	WaveRunner XLT 1200			01 >	W24ESR(B)	6068	0,9	IW24	5316
	WaveVenture VN 700			95 >	W24FSR	4037	0,6	IWF24	5380
	WaveVenture 760	66.0		96 >	W24FSR	4037	0,6	IWF24	5380
	WaveVenture WVT 700T			95 > 96	W24FSR	4037	0,6	IWF24	5380

Spark Plugs | Application Tables – Jetski

	KW			Standard			Alternative	
<i>YAMAHA continued</i>								
WaveVenture WVT 1100	81.0		96 >	W24FSR	4037	0,7	IWF24	5380
WB 700S			94 >	W24FSR	4037	0,6	IWF24	5380
WRB 650S			94 >	W24FS-U	4038	0,6	IWF24	5380
WRB 700S			94 >	W24FS-U	4038	0,6	IWF24	5380

DENSO Cross Reference Chart



Spark Plugs | Cross Reference Chart – OE

This chart should be used for guidance only. Design and material differences between manufacturers may vary the Heat Range. See recommendations section for specific engine applications. Where manufacturers' names and/or numbers are stated these are given for reference purpose only and do not indicate source of manufacture or any connection in the course of trade with the manufacturers named.

APRILIA	DENSO
2BEN000088	W24FPR
2BEN000181	N24EXRB
2BEN000276	N24EXRB
0297542	X24ESR-U
0297835	IW31
0297921	U24ESR-N
0297942	XU27EPR-U
0297945	RU01-31
0897055	W24ESR-U
8122586	X22ESR-U
8206870	W22FSR
8206871	W24FSR
8550352	U22ESR-N
8600008	W27EMR-C

BMW	DENSO
7699166	IXU27
12120032134	VK20
12122158252	VK20
12127526799	VK20
12127664404	IX24
12127671302	XU22EPR-U
12127677560	XU22EPR-U

DUCATI	DENSO
67040061	XU22EPR-U
67040071A	XU24EPR-U
67040121A	IX27
67040231A	IU27
67090121A	IXU27
67090301A	RU01-31

HARLEY DAVIDSON	DENSO
3	W16LS
4	W16LS
4R	W16LS
4R5	W22FP-U10
5	W20S-U
5R6	W16EXR-U
5R6A	W16EXR-U11
5RL	J16CR-U
6R12	XU22EPR-U
8	IW31
10R12A	XU24EPR-U
10R12X	XU24EPR-U
34	W16PR-U
45	W22FP-U
2767101K	XU24EPR-U
3231183	W16EXR-U11
3231786	XU22EPR-U
3231786A	XU22EPR-U
3232191	IXU22
3232691	W16EXR-U
3262978	W16LS
EX12S	XU22EPR-U

HONDA	DENSO
31901NF4J6511	IW01-32
31911MBWE11	VUH24D
31912MBWE11	VUH27D
31912MCW003	VNH27Z
31912MEL003	VUH27ES
31916KSP8610M1	U20EPR9
31916MEH003	IU24
31916ZY3004	VKJ20RZ-M11
31918MEB672	VK24PR-Z11
31919MEB672	VK27PR-Z11
31921MBWE12	VUH24D
31921MFFD000	U24EPR9
31922MBWE12	VUH27D
31922MOW004	VNH27Z
31926KPH901	U20EPR9

HONDA	DENSO
31989GEV761	Y27FER-C
98059599J6	IUH27
980795685503	W20EPR-U
980595991U	IUH27D
980595992U	IUH27D
980695991F	IX27B
980765491G	W14FR-L
980765671G	W20FR-L
980765672G	W20FR-L
980765691G	W20FR-L
980765871G	W24FR-L
980765872G	W24FR-L
980765891G	W24FR-L
980795485V	J14CR-U
980795585V	J16CR-U
980795587V	J16CR-U
980795614E	K20PR-U11
980795614F	IQ20
980795615E	K20PR-U11
980795715E	K22PR-U11
980795815E	K24PR-U11
980795915U	IK27C11
980795917U	IK27C11
9804959716	Y27FER-C
9805654757	U14FSR-UB
9805655757	U16FSR-UB
9805655777	U16FSR-UB
9805656713	U20FS-U
9805656717	U20FS-U
9805656718	U20FSR-U
9805656723	U20FS-U
9805656726	U20FSR-U
9805657716	U22FSR-U
9805657718	U22FSR-U
9805657726	U22FSR-U
9805957916	U22FER9
9805957926	U22FER9
9805958916	U24FER9
9805958926	U24FER9
9805959910	U27FER9
9805959916	U27FER9
9806158616	X24GPR-U
9806159616	X27GPR-U
9806655716	X16FSR-U
9806655740	X16FSR-U
9806656726	X20FSR-U
9806658717	X24FS-U
9806938716	X24ESR-U
9806938719	X24ESR-U
9806956911	X20EPR-U9
9806957726	X22ESR-U
9806957916	X22EPR-U9
9806957956	X22EPR-U9
9806958726	X24ESR-U
9806958916	X24EPR-U9
9806958926	X24EPR-U9
9806959926	X27EPR-U9
9807354740	W14M-U
9807354744	W14MR-U
9807354750	W14M-U
9807354754	W14MR-U
9807354941	W14MP-U10
9807354944	W14MPR-U10
9807354951	W14MP-U10
9807356744	W20MR-U
9807356944	W20MPR-U10
9807654710	W14F-U
9807654747	W14FPR-UL
9807654911	W14FP-UL10
9807654914	W14FPR-UL10
9807654921	W14FP-UL10
9807655711	W16FP-U

HONDA	DENSO
9807655719	W16FP-U
9807656713	W20FR-L
9807656715	W20FR-L
9807656717	W20FPR-U
9807656719	W20FP-U
9807656729	W20FPR-U
9807656917	W20FPR-U10
9807656927	W20FPR-U10
9807657717	W22FPR-U
9807658710	W24FS-U
9807658716	W24FSR
9807954855	W14EPR-U
9807955132	W16EXR-U11
9807955145	W16EXR-U11
9807955146	W16EXR-U11
9807955155	W16EPR-U11
9807955827	W16EPR-U
9807955840	W16ES-U
9807955841	W16EP-U
9807955846	W16EPR-U
9807955846	W16EXR-U
9807955855	W16EPR-U
9807956144	W20EPR-U11
9807956148	Q20PR-U11
9807956155	W20EPR-U11
9807956158	Q20PR-U11
9807956840	W20ES-U
9807956841	W20EP-U
9807956846	W20EPR-U
9807956847	W20ESR-U
9807956854	W20EP-U
9807956855	W20EPR-U
9807957816	W22ESR-U
9807957840	W22ES-U
9807957855	W22EPR-U
9807957877	W22ESR-U
9807958644	IW24
9807958816	W24ESR
9807958816	W24ESR-U
9807958857	W24ESR-U
9807959644	IW27
9807959659	W27ESR-V
9807959811	W27ES-U
9807959819	W27ESR
9807959819	W27ESR-U
9807959840	W27ES-U
9807959847	W27ESR
9807959847	W27ESR-U
9807959855	W27EMR-C
9807959872	IW27
9807959875	W27EMR-C
9807960875	IWM31
H98515617J	IK20
H98515617K	IK20
H98515617Q	IQ20
H98535617L	IK20

HUSQVARNA	DENSO
8A0057446	W27ESR-V
800057446	W27ESR-V

KAWASAKI	DENSO
92070036	W27FS-U
920701003	W22ES-U
920701007	W20ES-U
920701010	X24ESR-U
920701028	W20EP-U
920701029	W20EPR-U
920701031	W22EPR-U
920701033	W24ESR-U
920701036	W22ESR-U
920701041	W20ESR-U

KAWASAKI	DENSO
920701045	W16ESR-U
920701047	W27ESR-U
920701048	W16EPR-U
920701049	W24EPR-U
920701050	W16ES-U
920701051	W27ES-U
920701052	W16EP-U
920701102	X24EPR-U9
920701104	X27EPR-U9
920701112	X27ESR-U
920701117	X22ESR-U
920701121	X22EPR-U9
920701128	U20FS-U
920701137	X20EPR-U9
920701139	X20EPR-U9
920701143	U27ESR-N
920701145	U27ETR
920701148	U27ESR-N
920701151	U27ESR-N
920701156	W22FP-U
920701158	U24ETR
920701159	U27ETR
920701160	U24ETR
920701169	U24ESR-N
920701171	U24ESR-N
920701183	U22FSR-U
920701184	U24FSR-U
920701203	W22FP-U
920701209	U22ESR-N
920701236	IW01-27
920701251	X16EPR-U9
920701270	IW24
920701272	IW31
920701275	IW01-24
920703704	IW01-27
J4520IU0124	IU01-24
J4520IU0131	IU01-31
J4520IU22	IU22
J4520IU24	IU24
J4520IU24A	IU24A
J4520IU27	IU27
J4520IU27A	IU27A
J4520IU31	IU31
J4520IU31A	IU31A
J4520IUF22	IUF22
J4520IUF24	IUF24
J4520IUH24	IUH24
J4520IUH27	IUH27
J4520IW0124	IW01-24
J4520IW0127	IW01-27
J4520IW0131	IW01-31
J4520IW0132	IW01-32
J4520IW16	IW16
J4520IW20	IW20
J4520IW22	IW22
J4520IW24	IW24
J4520IW27	IW27
J4520IW29	IW29
J4520IW31	IW31
J4520IW34	IW34
J4520IWF22	IWF22
J4520IWF24	IWF24
J4520IWF27	IWF27
J4520IX22	IX22
J4520IX22B	IX22B
J4520IX24	IX24
J4520IX24B	IX24B
J4520IX27	IX27
J4520IX27B	IX27B
J4520IXU0127	IXU01-27
J4520IXU0131	IXU01-31
J4520IXU22	IXU22

KAWASAKI	DENSO
J4520IXU24	IXU24
J4520U20FSRU	U20FSR-U
J4520U22ESRN	U22ESR-N
J4520U22FSRU	U22FSR-U
J4520U24ESRN	U24ESR-N
J4520U27ESRN	U27ESR-N
J4520U27ETR	U27ETR
J4520W20EPRU	W20EPR-U
J4520W20EPU	W20EP-U
J4520W20FPRU	W20FPR-U
J4520W22FPRU	W22FPR-U
J4520W24ESRU	W24ESR-U
J4520W27ESRU	W27ESR-U
J4520W27ESU	W27ES-U
J4520W31ESRU	W31ESR-U
J4520X20EPRU9	X20EPR-U9
J4520X22EPRU9	X22EPR-U9
J4520X24EPRU9	X24EPR-U9
J4520X24ESRU	X24ESR-U
J4520X27EPRU9	X27EPR-U9

PEUGEOT	DENSO
596015	K20PR-U

ROTAX	DENSO
297835	IW31
297940	XU24EPR-U
897255	XU22EPR-U
897257	X27EPR-U9
278000609	W24ESR-U
414961100	W27ESR-U

SUZUKI	DENSO
4DA36M10	IK31
4GA36M08	IXU24
4GA36M09	IXU27
9900079J80K20	IK20
9900079J80U22	IXU22
9900079J80U24	IXU24
9900079J80W16	IW16
9900079J80W20	IW20
9900079J80W22	IW22
9900079K2422B	IX22B
9900079K2424A	IU24A
9900079K2424B	IX24B
9900079K2427A	IU27A
9900079K2431A	IU31A
9900079K24F22	IUF22
9900079K24F24	IUF24
9900079K24H24	IUH24
9900079K24H27	IUH27
9900079K24IW4	IW24
9900079K24IW7	IW27
9900079K24U22	IU22
9900079K24U24	IU24
9900079K24U27	IU27
9900079K24U31	IU31
9900079K24W22	IWF22
9900079K24W24	IWF24
9900079K24W27	IWF27
9900079K24W31	IW31
9900079K24X22	IX22
9900079K24X24	IX24
9900079K24X27	IX27
9900079K60BP6	IW20
9900079K60DC7	IXU22
9900079K60K6R	IK20
9900079K60KR6	IK20
9900079K60P5R	IW16
9900079K60P6R	IW20
9900079K60P7R	IW22

SUZUKI	DENSO
9900079K60PR5	IW16
9900079K73K16	VK16
9900079K73K20	VK20
9900079L65001	VK20
9900079L65002	VK16
9900079L65003	VK20
9900079L65005	VK16
9900079L65006	VK22
948200036	W14FP-U
948200054	W20ES-U
948200057	W24FS-U
948200066	W27ES-U
948200082	W22FS-U
948200084	W20FP-U
948200089	W22ES-U
948200095	W20FS-U
948200105	W22FP-U
948200118	W20EP-U
948200121	W24ESR
948200121	W24ESR-U
948200124	W16FP-U
0948200128	W20ES-U
948200131	W16EP-U
948200136	W14FPR-UL
948200141	W20FPR-U
948200142	W14F-U
948200147	W16FPR-U
948200149	X24ESR-U
948200155	W16EPR-U
948200155	W16EXR-U
0948200159	W14EXR-U
948200163	W16FP-U
0948200167	W16EXR-U
0948200186	W14FP-U
0948200188	W20FP-U
0948200189	W22FP-U
0948200190	W20FS-U
0948200191	W22FS-U
0948200192	W24FS-U
0948200193	W20EP-U
0948200195	W22ES-U
948200205	W14FPR-UL
0948200206	W14FPR-UL
948200208	IW24
948200209	IW27
948200210	IW31
0948200222	X22ESR-U
0948200223	X24ESR-U
0948200224	X27ESR-U
948200239	W24EPR-U
948200255	W22FPR-U
948200258	W20MPR-U10
948200261	W14MPR-U10
948200262	W16FP-U
948200287	W16EP-U11
948200294	U20FS-U
948200299	W20EPR-U
0948200312	W16EXR-U11
0948200314	U22FSR-U
948200316	W16FPR-U
948200322	IW16
948200330	X27EPR-U9
948200334	X24EPR-U9
948200338	W20FS-U
948200340	U20FSR-U
948200349	W27ESR
948200349	W27ESR-U
948200354	X22EPR-U9
948200359	W16FPR-U
948200362	J16CR-U
948200378	XU24EPR-U
948200379	XU24EPR-U

SUZUKI	DENSO
948200384	IXU24
948200386	IXU22
0948200392	W20EP-U
948200395	J16CR-U
948200397	X27ETR
948200399	X24ESR-U
948200400	X27ESR-U
948200404	U24FSR-U
948200406	U20FSR-U
0948200407	U20FSR-U
948200410	U27ETR
0948200411	U27ETR
948200412	U24ETR
0948200413	U24ETR
0948200415	U22ETR
0948200421	W20EPR-U11
948200427	K20PR-U
0948200429	K20PR-U
948200432	W16EPR-U
948200433	W16EXR-U11
948200446	XU20EPR-U
0948200447	XU20EPR-U
948200448	XU22EPR-U
0948200449	XU22EPR-U
948200450	XU24EPR-U
948200454	J16CR-U
948200456	U24ESR-N
0948200457	U24ESR-N
948200458	U27ESR-N
0948200459	U27ESR-N
0948200461	U31ESR-N
948200462	U31ETR
0948200463	U31ETR
0948200468	W16EPR-U
948200472	W27EMR-C
0948200473	W27EMR-C
948200479	IXU22
948200481	IXU24
948200493	W16EPR-U11
948200494	K20PR-U11
948200495	W22EPR-U
0948200496	W16EPR-U11
0948200498	W22EPR-U
0948200499	IW01-24
948200499	IW24
0948200500	IW01-27
948200500	IW27
0948200508	K20PR-U11
948200509	IW01-24
0948200515	U22ESR-N
948200516	U22ESR-N
948200522	W22FPR-U
948200527	IXU22
0948200529	U20ESR-N
948200530	W20FPR-U
948200534	W20FS-U
948200537	IXU27
948200546	IW16
948200549	VK16
0948200557	IU27D
948200584	IU24
948200600	IU24
0948200233111	W27ESR
0948200247111	W24ESR
0948200302111	W20FPR-U
0948200320111	U24FSR-U
0948200331111	X27EPR-U9
0948200335111	X24EPR-U9
0948200355111	X22EPR-U9
0948200416111	W16FPR-U
0948200420111	W14FPR-U
09482001197	W27ES-U

SUZUKI	DENSO
9900069835B7R	IWF22
9900069835B8R	IWF24
9900069835BP6	IWF20
9900069835BP7	IWF22
9900069835BR1	IW31
9900069835BR8	IW24
9900069835BR9	IW27
9900069835C6R	IUF22
9900069835C7R	IUF22
9900069835C8R	IUF24
9900069835CR7	IU22
9900069835CR8	IU24
9900069835CR9	IU27
9900069835DC8	IXU24
9900069835DR8	IX24
9900069835DR9	IX27
9900069835PR7	IX22B
9900069835PR8	IX24B
9900069835PR9	IX27B

YAMAHA	DENSO
9079END001	W16FS-U
9079END002	W20FS-U
9079END004	W22FS-U
9079END006	W24FS-U
9079END008	W27FS-U
9079END010	W16FSR
9079END011	W20FSR-U
9079END012	W22FSR
9079END013	W24FSR
9079END015	W27FSR
9079END016	W27FSR-U10
9079END017	U20FSR-U
9079END021	W16ES-U
9079END022	W20EP-U
9079END023	W20FP-U
9079END024	W20FPR-U
9079END027	W22EPR-U
9079END028	W22FPR-U
9079END031	W24ESR-U
9079END035	W27ES-U
9079END036	W27ESR-U
9079END038	X24EPR-U9
9079END040	W22FP-U
9079END041	U20FS-U
9079END042	W22ES-U
9079END044	X24ESR-U
9079END050	X24FS-U
9079END052	W22FP-U10
9079END055	W16FP-U
9079END056	X27GPR-U
9079END057	U22FSR-U
9079END058	U24ESR-N
9079END059	U27ESR-N
9079END060	X20EPR-U9
9079END069	X27EPR-U9
9079END070	X22EPR-U9
9079END071	W20EPR-U
9079END072	W16EPR-U
9079END075	W16EP-U
9079END077	W9EXR-U
9079END078	X22ESR-U
9079END084	IWF20
9079Q30501	U27ESR-N
9470900N01	W16FP-U
9079320018	IW31
9079320030	IW01-32
9079320032	IW31
9079320139	W24EMR-C
9079320150	IU24
9079320151	IU27
9079320152	IX24

YAMAHA	DENSO
9079320153	IX27
9079320154	IX24B
9079320155	IX27B
9079320156	IWF20
9079320157	IWF22
9079320159	IWF22
9079320160	IW24
9079320161	IW27
9079320162	IUH24
9079320163	IUH27
9079320164	IWF24
9079320165	IW31
9079320166	IWF24
9079320167	IW16
9079320168	IW20
9079320170	IUF22
9079320171	IUF22
9079320172	IU22
9079320173	IX22B
9079320174	IUF24
9079320175	IW22
9079322008	W16ES-U
9079322010	W27ES-U
9079322035	W20ESR-U
9079322036	W22ESR-U
9079322037	W27ESR-U
9079322039	W24FSR
9079322047	X22EPR-U9
9079322088	IW24
9079322089	IW27
9079322090	IW29
9079322091	IW31
9079322092	IW34
9079322093	IU22
9079322094	IU24
9079322095	IU27
9079322096	IUH24
9079322097	IUH27
9079322098	IX22B
9079322099	IX24B
9079322100	IX27B
9079322101	IW22
9079322102	IU31
9079322103	IU24A
9079322104	IU27A
9079322105	IU31A
9079322106	IX22
9079322107	IX24
9079322108	IX27
9079322109	IWF22
9079322110	IWF24
9079322111	IWF27
9079322112	IW16
9079322114	IUF22
9079322115	IUF24
9089078079	IW20
9089078082	IW31
9089078086	W24ESR-U
9089078094	W20FS-U
9089322113	IW20
9470000248	W22FSR
9470000834	U22FSR-U
9470100039	W20FS-U
9470100040	W22FS-U
9470100041	W24FS-U
9470100042	W27FS-U
9470100043	W20ES-U
9470100044	W22ES-U
9470100046	W27ES-U
9470100050	W22FP-U
9470100069	W16FS-U
9470100078	W16ES-U

YAMAHA	DENSO
9470100108	W20FP-U
9470100110	W22FSR
9470100111	W20ESR-U
9470100112	W22ESR-U
9470100116	W20EP-U
9470100168	W16FP-U
9470100188	W27ESR-U
9470100194	W16FPR-U
9470100195	W24FSR
9470100198	W20FPR-U
9470100203	X24ESR-U
9470100204	W24ESR-U
9470100208	X22ESR-U
9470100218	W22EPR-U
9470100219	W24EPR-U
9470100220	W22FPR-U
9470100227	W22FPR-U
9470100232	W20FP-U
9470100234	W20EPR-U
9470100241	X24EPR-U9
9470100248	W20FSR-U
9470100250	U22FSR-U
9470100251	W27FSR
9470100256	U20FS-U
9470100258	W14FPR-U
9470100262	X22EPR-U9
9470100264	W22FP-U10
9470100265	U22FSR-U
9470100274	W20FSR-U
9470100280	W24FPR
9470100282	U20FSR-U
9470100283	U20FSR-U
9470100287	X27ESR-U
9470100292	W20FPR-U10
9470100301	IW20
9470100311	W16ESR-U
9470100318	U27ESR-N
9470100328	W16EPR-U
9470100329	U24ESR-N
9470100330	U24ESR-N
9470100332	IWM01-32
9470100333	X24ESR-U
9470100340	X27ESR-U
9470100345	X22ESR-U
9470100353	U22ESR-N
9470100354	U14FSR-UB
9470100361	X27EPR-U9
9470100366	U22FSR-U
9470100372	U20FSR-U
9470100375	X20EPR-U9
9470100381	U20ESR-N
9470100386	U31ETR
9470100394	IU01-31
9470100395	U27ETR
9470100407	IU27D
9470100408	IU27D
9470100410	U27ESR-N
9470100411	U24ESR-N
9470100840	U22ESR-N
9470200044	W22ES-U
9470200046	W27ES-U
9470200188	W27ESR-U
9470200195	W24FSR
9470200204	W24ESR-U
9470200211	W20MPR-U10
9470200249	W16FSR
9470200271	W22FSR
9470200272	W22FSR
9470200274	W20FSR-U
9470200309	W27FSR-U10
9470200324	W27ESR-V
9470200326	W24ESR-V

YAMAHA	DENSO
9470200331	W14EPR-U
9470200343	W14E
9470200348	W9EXR-U
9470200349	W22ESR-U
9470200357	W27EMR-C
9470200374	IWM01-32
9470200801	X24ESR-U
9470300001	W14F-U
9470300039	W20FS-U
9470300040	W22FS-U
9470300041	W24FS-U
9470300043	W20ES-U
9470300044	W22ES-U
9470300046	W27ES-U
9470300050	W22FP-U
9470300069	W16FS-U
9470300078	W16ES-U
9470300108	W20FP-U
9470300110	W22FSR
9470300112	W22ESR-U
9470300114	IW27
9470300116	W20EP-U
9470300133	W16EP-U
9470300168	W16FP-U
9470300188	W27ESR
9470300188	W27ESR-U
9470300194	W16FPR-U
9470300198	W20FPR-U
9470300203	X24ESR-U
9470300204	W24ESR
9470300204	W24ESR-U
9470300207	W14E
9470300213	U20FS-U
9470300218	W22EPR-U
9470300220	W22EPR-U
9470300222	X24ESR-U
9470300223	W20FP-U
9470300227	W22FPR-U
9470300234	W20EPR-U
9470300235	W20FPR-U
9470300241	X24EPR-U9
9470300256	U20FS-U
9470300258	W14FPR-UL
9470300262	X22EPR-U9
9470300264	W22FP-U10
9470300283	U20FSR-U
9470300318	U27ESR-N
9470300319	U27ESR-N
9470300327	W22FPR-U
9470300329	U24ESR-N
9470300330	U24ESR-N
9470300332	IWM01-32
9470300333	X24ESR-U
9470300345	X22ESR-U
9470300352	U22ESR-N
9470300353	U22ESR-N
9470300366	U22FSR-U
9470300372	U20FSR-U
9470900195	W24FSR
9470900324	W27ESR-V
9470900357	W27EMR-C
9470900383	W27ESR-V
9470900384	IW31
IQG1086220	XU22EPR-U
Q1QDNS021000	IXU22
Q1QDNS022000	IXU24

Spark Plugs

Cross Reference Chart – Competitor

AC DELCO	DENSO
41F	W27FS-U
41XL	W27ES-U
42F	W22FS-U
42FS	W20FP-U
42FS	W22FP-U
42LTS	T20EP-U
42XL	W22ES-U
43	W20S-U
43F	W20FS-U
43FS	W20FP-U
43LS	W16LS
43N	W20ES-U
43XL	W20ES-U
43XLS	W20EPR-U
43XLS	W20EP-U
44	W16S-U
44	W20S-U
44F	W16FS-U
44F	W20FS-U
44FFS	W16FP-U
44FS	W16FP-U
44N	W20ES-U
44NS	W16EP-U
44S	W16PR-U
44XL	W20ES-U
44XLS	W16EP-U
45	W14-U
45	W16S-U
45F	W16FS-U
45FFS	W14FP-U
45FFS	W16FP-U
45L	W14L
45LS	W14L
45S	W14PR-U
45XL	W16ES-U
46	W9-U
46F	W14F-U
46FFS	W14FP-U
46N	W16ES-U
46S	W9PR-U
46S	W9P-U
46TS	T14PR-U
46XL	W16ES-U
47XL	W14E
84T	MA16PR-U
84TS	MA16PR-U
85T	MA16PR-U
85TS	MA16PR-U
426FS	W22FP-U
41602	K20PR-U
41603	Q16PR-U
41801	K20PR-U11
41810	T20EPR-U
41814	PT16VR13
41905	ITF16
41905	T16PR-U
41990	PT16VR13
B43	W20S-U
C42CFS	W22FP-U
C42CLTS	T20EP-U
C42CXLS	W20EPR-U
C42CXLS	W20EP-U
C42N	W22ES-U
C42XLS	W20EPR-U
C42XLS	W20EP-U
C43	W20S-U
C43CXLS	W16EP-U
C43L	W16LS
C43N	W20ES-U
C44	W16S-U
C44N	W20ES-U
C44S	W16PR-U

AC DELCO	DENSO
C45	W14-U
C45L	W14L
C47W	W9-U
C49	W9-U
C81	M22
C81	M24S
C82	M22
C82T	MA20PR-U
C83	M17
C83T	MA20PR-U
C84T	MA16PR-U
C84TS	MA16PR-U
C85	L14-U
C85S	L14-U
C85T	MA16PR-U
C85TS	MA16PR-U
C86	L14-U
C86S	L14-U
C87	L14-U
C88	L14-U
C88L	L14-U
C421	W24S-U
CFR1CLS	Q22PR-U
CFR2CLS	K20PR-U
CFR2CLS	Q20PR-U
CFR3CLS	Q16PR-U
CR41CXLS	W22EPR-U
CR42CLTS	T20EPR-U
CR42CTS	T20PR-U
CR42N	W22ESR-U
CR42TS	T20PR-U
CR42XLS	W20EPR-U
CR42XLSX	W20EPR-U11
CR43	W20SR-U
CR43CXLS	W16EPR-U
CR43N	W20ESR-U
CR43TS	T20PR-U
CR43TSM	T20PR-U
CR44N	W20ESR-U
CR44NS	W16EPR-U
CR44TS	T16PR-U
CR45L	W14L
CR45TS	T16PR-U
CR425FS	W20FPR-U
CR425XLS	W16EPR-U
CS41	W22M-U
CS42	W22M-U
CS42T	T22M-U
CS45	W20M-US
CS45T	T20M-U
CS49	W14M-U
FR1LS	K20PR-U11
FR1LS	Q20PR-U
FR2LS	K20PR-U11
FR5LS	Q16PR-U
LM46	W14LM-U
LM46	W14LM-US
LM49	W14LM-U
M41FF	W24FS-U
M41FFG	IWF27
M41K	W22S-U
M42FF	W22FS-U
M43FF	W20FS-U
M44C	W16S-U
M44C	W20S-U
M44L	W14L
M45	W14-U
M45FF	W16FS-U
M47	W9-U
MR42LTS	T20EPR-U
MR43LTS	T20EPR-U
MR44C	W20SR-U

AC DELCO	DENSO
R41CF	W24FSR
R41CXL	W27ESR
R41CXL	W27ESR-U
R41F	W24ESR-U
R41F	W24FSR
R41XL	W27ESR
R41XL	W27ESR-U
R42CF	W22FSR
R42CFS	W22FPR-U
R42CLTS	T20EPR-U
R42CTS	T20PR-U
R42CXL	W22ESR-U
R42CXLS	W22EPR-U
R42F	W22FSR
R42FS	W22FPR-U
R42LTS	T20EPR-U
R42LTSM	T20EPR-U
R42NS	W22EPR-U
R42TS	T20PR-U
R42TSM	T20PR-U
R42XL	W22ESR-U
R42XLS	W20EPR-U
R42XLS	W22EPR-U
R42XLSM	W22EPR-U
R43	W20SR-U
R43C	W20SR-U
R43CFS	W20FPR-U
R43CTS	T20PR-U
R43CXL	W20ESR-U
R43FS	W20FPR-U
R43LTS	T20EPR-U
R43LTSE	T20EPR-U
R43N	W20ESR-U
R43N	W20SR-U
R43NS	W20EPR-U
R43TS	T20PR-U
R43TSK	T20PR-U
R43XL	W20ESR-U
R43XLS	W20EPR-U
R44CF	W16FSR
R44CXL	W20ESR-U
R44CXLS	W16EPR-U
R44CXLS	W16EXR-U
R44F	W16FSR
R44LT	W16EPR-U
R44LTS	T16EPR-U
R44LTSM	T16EPR-U
R44LTSM	T16EPR-U
R44NS	W16ESR-U
R44NS	W16EPR-U
R44NS	W16EXR-U
R44NSX	W16EPR-U11
R44S	W14PR-U
R44S	W16PR-U
R44SX	W16PR-U
R44TS	T16PR-U
R44XL	W20ESR-U
R44XLS	W16EPR-U
R44XLS6	W16EXR-U11
R45NS	W14EXR-U
R45S	W14PR-U
R45SX	W14PR-U
R45TS	T16PR-U
R45XL	W16ESR-U
R45XLS	W14EXR-U
R46LTS	T16EPR-U
R46S	W9PR-U
R46SX	W9PR-U
R46SZ	W9PR-U
R46TS	T14PR-U
R47S	W9PR-U

AC DELCO	DENSO
R47SX	W9PR-U
R83CTS	MA20PR-U
R83TS	MA20PR-U
R84TS	MA16PR-U
R85T	MA16PR-U
R85TS	MA16PR-U
R86T	MA16PR-U
R121CXLS	X24EPR-U9
R121XLS	X24EPR-U9
R121XLS	X24ESR-U
RF#1	T20PR-U
RF#2	T16PR-U
S40F	W27FS-U
S40FR	W27FSR
S40XL	W27ES-U
S40XLG	IW31
S40XLR	W27ESR
S40XLR	W27ESR-U
S41F	W24FS-U
S41FG	IWF27
S41FR	W24FSR
S41SLG	IW01-27
S41XL	W27ES-U
S41XLR	W27ESR
S41XLR	W27ESR-U
S42	W24S-U
S42F	W22FS-U
S42FR	W22FSR
S42XL	W22ES-U
S42XLR	W22ESR-U
S43XL	W20ES-U
S43XLR	W20ESR-U
S44	W16S-U
S44F	W16FS-U
S44XL	W20ES-U
S45F	W16FS-U
S46	W9-U
S81F	M22
S82F	M22
S83F	M17
S85F	L14-U
S104F	U20FS-U
S122F	X24FS-U
S404XLG	IW01-27
S412FR	W24FSR

ACCEL	DENSO
111	IW27
115	W20EP-U
123	W22S-U
124	W20S-U
137	W16PR-U
138	W9P-U
141	W27ES-U
143	W22ES-U
146	W16ES-U
166	W16LS
168	W14L
198	W9PR-U
276S	T20MP-U
378	MA16PR-U
416	Q16PR-U
437	W16PR-U
437S	W16PR-U
453	W22FPR-U
496	W16EXR-U
498	W9PR-U
514	T20EPR-U
516	T16EPR-U
574	T20PR-U
576	T16PR-U
577	T14PR-U

ACCEL	DENSO
675	MA20PR-U
761	IK31
763	K24PR-U11
784	K20PR-U
842	X24ESR-U
882	X24EPR-U9
2401P	W9P-U
2413P	W22FPR-U
ACC7ES	W22ES-U
ACC7HS	W22FS-U
ACC8HS	W24FS-U
ACC9ES	W27ES-U
ACCR7ES	W22ESR-U
ACCR8ES	W24ESR-U
ACCR8HS	W24FSR
ACCR9ES	W27ESR-U
P411	IW27
P437	W16PR-U
P496	W16EXR-U
P574	T20PR-U
P576	T16PR-U
P678	MA16PR-U

APEX	DENSO
06	IQ20
06STD	IK20
07STD	IK22
08STD	IK24

AUTOLITE	DENSO
16	T14PR-U
23	T20PR-U
24	T20PR-U
25	T16PR-U
26	T14PR-U
26	T16PR-U
27	T14PR-U
33	MA20PR-U
35	MA16PR-U
36	MA16PR-U
43	MA20PR-U
44	MA20PR-U
45	MA16PR-U
46	MA16PR-U
50	IW31
54	W20EP-U
55	W16EP-U
62	W22EPR-U
63	W20EPR-U
63	W22EPR-U
64	W16EPR-U
64	W20EPR-U
65	W16EPR-U
65	W16EXR-U
66	W14EPR-U
66	W14EXR-U
67	W14EXR-U
75	W16PR-U
76	W14PR-U
77	W9PR-U
85	W16PR-U
86	W14PR-U
87	W9PR-U
103	T20EPR-U
104	T20EPR-U
105	T16EPR-U
106	T16EPR-U
117	MA16PR-U
124	MA20PR-U
127	MA16PR-U
156	MA16PR-U
166	MA16PR-U

AUTOLITE	DENSO
175	W16PR-U
203	T20PR-U
215	W16LS
216	W14L
217	W14L
218	W14L
225	W14L
253	W22M-U
254	W22M-U
255	W20M-US
258	W14M-U
273	W22FF-U
274	W20FP-U
275	W16FP-U
283	W20FPR-U
284	W20FPR-U
294	W16S-U
295	W14-U
295	W20S-U
297	W9-U
298	W9-U
302	W20SR-U
303	W20S-U
306	W9-U
313	W24S-U
314	W20S-U
315	W16S-U
316	W14-U
317	W14-U
318	W9-U
353	W24S-U
354	W20S-U
355	W16S-U
356	W14-U
357	W9-U
358	W9-U
373	M22
374	M22
375	M17
376	L14-U
377	L14-U
378	L14-U
379	L14-U
386	L14-U
393	W22ES-U
394	W20ES-U
395	W16ES-U
396	W16ES-U
397	W14E
398	W14E
402	W22ESR-U
403	W22ESR-U
404	W20ESR-U
405	W16ESR-U
406	W16ESR-U
411	W24FS-U
413	W22FS-U
414	W20FS-U
415	W16FS-U
416	W14F-U
424	W20FSR-U
425	W16FSR
426	W14FR-U
437	W14L
456	W14LM-U
458	W9LM-US
458	W14LM-U
483	T20EPR-U
494	W16LS
495	W16LS
497	W14L
535	W16FS-U

AUTOLITE	DENSO
536	W14F-U
565	W16PR-U
566	W14PR-U
567	W9PR-U
584	MA20PR-U
602	K20PR-U
724	T20PR-U
725	T16PR-U
726	T16PR-U
727	T14PR-U
745	MA16PR-U
746	MA16PR-U
764	T20EPR-U
765	T16EPR-U
766	T16EPR-U
767	T16EPR-U
784	MA20PR-U
804	MA20PR-U
847	W9PR-U
864	T20EPR-U
865	T16EPR-U
907	K20PR-U11
945	T20EPR-U
985	T20EPR-U
996	W14L
2243	W20SR-U
2413	IW34
2414	IW31
2415	IW01-27
2415	IW29
2416	IW24
2416	IW27
2417	IW24
2455	IWF27
2456	IWF24
2457	IWF24
2553	T22M-U
2554	T22M-U
2593	W27ES-U
2612	W27ES-U
2614	W22ESR-U
2614	W22ES-U
2615	W22ESR-U
2615	W22ES-U
2616	W20ESR-U
2616	W20ES-U
2635	W22FS-U
2636	W20FS-U
2652	W24FS-U
2653	W22FS-U
2654	W22FS-U
2655	W20FS-U
2656	W16FS-U
2675	W16LS
2676	W14L
2677	W14L
2696	M22
2697	M17
2715	X24FS-U
2772	M22
2773	M22
2775	L14-U
2796	U20FS-U
2954	T22M-U
2956	T20M-U
2976	W16S-U
3013	W24S-U
3014	W20S-U
3017	W9-U
3035	L14-U
3055	MA20PR-U
3116	L14-U

AUTOLITE	DENSO
3921	K24PR-U11
3922	Q22PR-U
3923	K20PR-U
3923	Q20PR-U
3924	Q16PR-U
4053	W27ES-U
4055	W22ES-U
4056	W20ES-U
4063	W27ESR
4063	W27ESR-U
4092	W24FSR
4093	W22FSR
4113	W20FP-U
4114	W20FP-U
4123	W20FPR-U
4143	X24ESR-U
4162	X27EPR-U9
4163	X24EPR-U9
4164	X22EPR-U9
4173	X24FS-U
4251	W24EPR-U
4252	W22EPR-U
4263	W20EPR-U
4265	W16EPR-U
4265	W16EXR-U
4275	W16PR-U
4302	U27ESR-N
4303	U24ESR-N
5125	MA20PR-U
5143	T20EPR-U
5144	T20EPR-U
5164	T20EPR-U
9061	K22PBR-S
9062	K20PBR
9063	K20PBR
9921	K20PBR
AE23	IWF24
AE903	IWF27
AG23	IW24
AG203	IW34
AG303	IW34
AG403	IW31
AG603	IW29
AG903	IW27
AP23	T20PR-U
AP24	T20PR-U
AP62	IW22
AP63	IW20
AP404	IW20
AP425	IWF16
AP3923	IK20
APP103	T20EPR-U
APP283	W20FPR-U
APP5344	PT16VR13
AR25	ITF16
AR33	MA20PR-U
AR50	IW31
AR51	IW27
AR52	IW24
AR53	W22EPR-U
AR103	T20EPR-U
ATI5344	PT16VR13
MP4054DP2	IW24
MP4055DP2	IW24
MP4062DP2	IW27
MP4063DP2	IW24
MP4092DP2	IWF24
MP4093DP2	IWF22
MP4132DP2	IX27
MP4163DP2	IX24B
MP4164DP2	IX22B
MP4275DP2	W16FPR-U

Spark Plugs

Cross Reference Chart – Competitor

AUTOLITE	DENSO
MP4316	IWF22
MP4316DP2	W16LS
SE458DPL	W14LM-U
WC4054DP2	IW24
WC4062DP2	W27ESR-V
WC4063DP2	W24ESR-V
WC4092DP2	IWF24

BERU	DENSO
12FR2CDU	X27ETR
12FR4CDU	IX24
12R5DU	X22EPR-U9
12R5DU	X24EPR-U9
14F03DAR	K22PBR-S
14F5DU	Q22PR-U
14F6DPUR021	VK22
14F6DSR	IK20
14F6DTU	K20PBR
14F6DUO	Q20P-U
14F6DUOR	Q20P-U
14F7DPUR2	VK20
14F7DU	Q20P-U
14F7DUO	Q20P-U
14F7DUOR	Q20P-U
14FGR8DQU7	K20PBR
14FR5DPUX	IK22
14FR5DTU	K22PBR-S
14FR5DU	Q22PR-U
14FR6DPUX	IK20
14FR6DU	K20PR-U
14FR6DU	Q20PR-U
14FR6LDUO	IK20
14FR7DPUX	IK20
14FR7DU	K20PR-U
14FR7DU	Q20PR-U
14FR7DUX	K20PR-U11
14FR7DUX	Q20PR-U11
14FR8DU	Q16PR-U
14K6D	T20EP-U
14K6DU	T20EP-U
14K6DUO	T20EP-U
14K7D	T20EP-U
14K7DU	T20EP-U
14K7DUO	T20EP-U
14K8DU	T16EPR-U
14K8DUO	T16EPR-U
14K9DU	T16EPR-U
14K9DUO	T16EPR-U
14KGR6KQU	T20EPR-U
14KGR7KQU	T20EPR-U
14KR6BU	T20PR-U
14KR6DU	T20EPR-U
14KR6ZPPV	PT16VR13
14KR7 DU	T20EPR-U
14KR7DU	T20EPR-U
14KR7 DUX	T20EPR-U
14KR7DUX	T20EPR-U
14KR8MUV	PT16VR13
14KR9 DUX	T16EPR-U
14KR9DUX	T16EPR-U
14R11F	W14PR-U
14R5BPU	IWF22
14R5DPU	IW22
14R5DU	W22EPR-U
14R6B	W20FPR-U
14R6BU	W20FPR-U
14R6D	W20EPR-U
14R6DU	W20EPR-U
14R6DUX	W20EPR-U11
14R7B	W20FPR-U
14R7BU	W20FPR-U
14R7CU	W20ESR-U

BERU	DENSO
14R7D	W20EPR-U
14R7DU	W20EPR-U
14R7DUX	W20EPR-U11
14R8DU	W16EPR-U
14R8DU4	W16EPR-U
14R8DUX	W16EPR-U11
14R9DU	W16EPR-U
14R9EUO	W14LM-U
14S7F	W20MP-U
14SR6F	W22MPR-U
14X AU	W20FS-U
14XAU	W20FS-U
14Z3AU	W24FS-U
14Z3AU	W27FS-U
14Z3CU	W27ES-U
14Z4AU	W24FS-U
14Z6A2	W20FS-U
14Z7AU	W22FS-U
18K8BU	MA16PR-U
14ZAS1	IWF27
14ZAS1	W27FS-U
143A1	W24FS-U
143AS1	IWF24
143AU	W24FS-U
143CS	IW24
143DP2	IW24
144A	W22FS-U
144A1	W24FS-U
144A2	W22FS-U
144AS1	IWF24
144AU	W22FS-U
144B2	W22FP-U
144C2	W22ES-U
144CS1	IW24
144DPO	IW24
145A	W22FS-U
145AU	W22FS-U
145B	W22FP-U
145BU	W22FP-U
145C	W22ES-U
145E	W22S-U
146B	W20FP-U
146BU	W20FP-U
146C	W20ES-U
146D	W20EPR-U
146D	W20EP-U
146D1	W20EPR-U
146DPO	IW20
146DU	W20EPR-U
146DU	W20EP-U
146DUO	W20EPR-U
146DUO	W20EP-U
147A	W20FS-U
147AU	W20FS-U
147B	W20FP-U
147BU	W20FP-U
147C	W20ES-U
147CU	W20ES-U
147D	W20EPR-U
147D	W20EP-U
147DU	W20EPR-U
147DU	W20EP-U
147DUO	W20EPR-U
147DUO	W20EP-U
147E	W20S-U
148A	W16FS-U
148AU	W16FS-U
148B	W16FP-U
148BU	W16FP-U
148C	W16ES-U
148C1	W20ES-U
148D	W16EP-U

BERU	DENSO
148DC	W16EP-U
148DU	W16EP-U
148DUO	W16EP-U
148E	W16S-U
148F	W16PR-U
148LUR	J16CR-U
149C	W16ES-U
149EUO	W14LM-U
149EUO	W14LM-US
185AU	M22
187AU	M17
1404AS	IW31
1410A	W14F-U
1410C	W14E
1410E	W14-U
1810AU	L14-U
1810AU	M14
14095AS	IW31
CS1K	T16PR-U
CS2K	T20PR-U
RS16	IWF20
RS16	IWF22
RS18	IWF22
RS35	IW20
RS37	IW20
RS39	IW22
S1K	T20EPR-U
S3F	IK20
S5	IW20
S6	IWF22
S7	IW20
S9	IW22
Z1	W16EP-U
Z3	J16CR-U
Z6	T16EPR-U
Z7	T16EPR-U
Z8	W16EPR-U
Z9	W16EPR-U11
Z10	W20FP-U
Z11	W20EP-U
Z13	Q20P-U
Z15	Q20PR-U
Z16	Q20PR-U11
Z17	T20EP-U
Z18	T20EP-U
Z19	W20FPR-U
Z20	W20EPR-U
Z21	W20EPR-U11
Z22	W20EP-U
Z23	Q20P-U
Z24	Q20PR-U
Z25	T20EP-U
Z26	T20EPR-U
Z27	W20EPR-U
Z28	W20EPR-U11
Z29	Q22PR-U
Z30	Q22PR-U
Z37	W27FS-U
Z38	W27ES-U
Z39	W24FS-U
Z40	W22FS-U
Z41	W22FP-U
Z45	K22PBR-S
Z47	W22EPR-U
Z48	W20FP-U
Z49	T20PR-U
Z50	W20EP-U
Z52	K20PBR
Z53	K20PBR
Z54	Q20P-U
Z55	T20EP-U
Z56	T20EP-U

BERU	DENSO
Z57	W20FS-U
Z58	W20ES-U
Z59	W20ESR-U
Z61	W20EP-U
Z62	W20EP-U
Z63	Q20P-U
Z64	Q20P-U
Z67	T20EPR-U
Z68	W16FS-U
Z69	W16EP-U
Z70	W16EP-U
Z72	Q16PR-U
Z76	W16EP-U
Z77	W16EP-U
Z80	T16EPR-U
Z81	T16EPR-U
Z82	W16EPR-U
Z83	W14LM-US
Z84	W14LM-U
Z86	M22
Z88	L14-U
Z95	T20EPR-U
Z97	PT16VR13
Z99	Q20PR-U11
Z103	IW24
Z105	IK20
Z112	W16S-U
Z118	W16FP-U
Z119	W16EPR-U
Z124	IW22
Z125	IWF22
Z127	T20EPR-U
Z130	IK22
Z131	IK20
Z132	W20MP-U
Z144	T20EPR-U
Z159	IK20
Z177	PT16VR13
Z206	IK20

BLITZ	DENSO
R64277	IK22
R64278	IK24
R642710	IK31
T7340B6	IK20
T7340B7	IK22
T7340B8	IK24
T7341B6	IQ20

BOSCH	DENSO
+1	W20EPR-U
+3	W16EPR-U
+5	T20EPR-U
+6	Q16PR-U
+7	K20TNR-S9
+8	Q20PR-U
+10	W20FPR-U
+11	K20PR-U11
+11	Q20PR-U11
+12	W20EPR-U
+13	K20PR-U
+14	T20EPR-U
+15	W22EPR-U
+16	W16EPR-U
+17	PT16VR13
+18	T20EPR-U
+20	W16FPR-U
+21	W20EPR-U11
+22	W16EPR-U11
4448	ITF16
4449	ITF16
4501	VK16

BOSCH	DENSO
4503	VK20
08771207	IXU01-31
D7A	MA20PR-U
D7AC	MA20PR-U
D8A	MA16PR-U
D8AC	MA16PR-U
D8B	MA16PR-U
D8BC	MA16PR-U
D8BP	MA16PR-U
D9B	MA16PR-U
D9BC	MA16PR-U
D10B	MA16PR-U
D10BC	MA16PR-U
DR6BC	MA20PR-U
DR6BP	MA20PR-U
DR7BC	MA20PR-U
DR7BP	MA20PR-U
DR8BC	MA16PR-U
DR8BP	MA16PR-U
DR8BPX	MA16PR-U
DR9BC	MA16PR-U
DR9BPX	MA16PR-U
DR10BC	MA16PR-U
F4CS	IK24
F5DC	Q22PR-U
F5DP	IK22
F5DPOR	IK22
F5DPOR	IK22
F6DC	Q20P-U
F6DCOR	Q20P-U
F6DCX	K20PR-U11
F6DCX	Q20PR-U11
F6DP	IK20
F6DPOR	IK20
F6DPP332	VK20
F6DPX	IK20
F6DSR	IK20
F6DTC	K20PBR
F6LTCR	K20PBR
F7DC	Q20P-U
F7DCO	Q20P-U
F7DCOR	Q20P-U
F7DCR4	Q20P-U
F7DCX	K20PR-U11
F7DCX	Q20PR-U11
F7DER	K20PR-U
F7DP	IK20
F7DTC	K20PBR
F7KPP332U	VK20
F08CS	IK31
F09CS	IK31
FGR5KQE0	IK22
FGR5KQE0	K22PBR-S
FGR6DQI	VK20
FGR7DQI	VK20
FGR7HQPE	IK20
FGR8DQI	VK16
FQR8DE	K20PR-U11
FR5DC	Q22PR-U
FR5DCX	K22PR-U11
FR5DP	IK22
FR5DP1	IK22
FR5DP1X	IK22
FR5DPP222	VK22
FR5DPP222U	VK22
FR5DTC	IK22
FR5DTC	K22PBR-S
FR5LDC	K22PBR-S
FR6D+	K20PR-U
FR6D+	Q20PR-U
FR6DC	K20PR-U
FR6DC	Q20PR-U

BOSCH	DENSO
FR6DC2	K20PR-U
FR6DC4	K20PR-U
FR6DCX	K20PR-U11
FR6DCX	Q20PR-U11
FR6DDC	K20TNR-S9
FR6DDC	K22TNR-S
FR6DE	K20PR-U
FR6DP	IK20
FR6DP1	IK20
FR6DP1X	IK20
FR6DPP332	VK20
FR6DPP332S	VK20
FR6DPX	IK20
FR6DS	IK20
FR6DTC	K20PBR
FR6KDE0	K22TNR-S
FR6KPP332S	VK20
FR6KTC	K20PBR
FR6LDC	K20TNR-S9
FR7D+	K20PR-U
FR7D+	Q20PR-U
FR7D+X	K20PR-U11
FR7D+X	Q20PR-U11
FR7DC	K20PR-U
FR7DC	Q20PR-U
FR7DC+	Q20PR-U
FR7DC0	K20PR-U
FR7DC0	Q20PR-U
FR7DC2	K20PR-U
FR7DC2	Q20PR-U
FR7DC9	K20PR-U
FR7DCU	K20PR-U
FR7DCX	K20PR-U11
FR7DCX	Q20PR-U11
FR7DE	K20PR-U
FR7DP	IK20
FR7DP1X	IK20
FR7DPP332	VK20
FR7DPX	IK20
FR7DTC	K20PBR
FR7DTCW	K20PBR
FR7HPP332W	VK20
FR7KP	IK20
FR7KPP332	VK20
FR7KPX	IK20
FR7LD+	K20TNR-S9
FR7LPX	IK20
FR8D+	Q16PR-U
FR8DC	Q16PR-U
FR8DC0	Q16PR-U
FR56	IK22
FR78	VK20
FR78X	VK20
H6DC	T20EP-U
H6DC0	T20EP-U
H6DP	T20EP-U
H7DC	T20EP-U
H7DC0	T20EP-U
H7DP	T20EP-U
H7LDCR	T20EPR-U
H8D	T16EPR-U
H8DC	T16EPR-U
H8DC0	T16EPR-U
H9B	T14PR-U
H9BC	T14PR-U
H9DC	T16EPR-U
H9DC0	T16EPR-U
H10B	T14PR-U
HGR6KQC	T20EPR-U
HGR7KQC	T20EPR-U
HGR9BQI	ITF16
HR6BC	T20PR-U

BOSCH	DENSO
HR6D+	T20EPR-U
HR6DC	T20EPR-U
HR6DP	T20EPR-U
HR6DS	T20EPR-U
HR7BC	T20PR-U
HR7D+	T20EPR-U
HR7DC	T20EPR-U
HR7DC0	T20EPR-U
HR7DCX	T20EPR-U
HR7MPP	PT16VR13
HR7MPP+	PT16VR13
HR7MPP+V	PT16VR13
HR7MPP22U	PT16VR13
HR7MPP22V	PT16VR13
HR7MPP302	PT16VR13
HR7MPP302X	PT16VR13
HR8BC	T16PR-U
HR8BP	ITF16
HR8BP	T16PR-U
HR8BPX	ITF16
HR8BPY	ITF16
HR8BPZ	ITF16
HR8D+	T20EPR-U
HR8DC	T20EPR-U
HR8DCX	T16EPR-U
HR8MPV	PT16VR13
HR8NPP302	PT16VR13
HR9BC	T16PR-U
HR9BP	ITF16
HR9BP	T16PR-U
HR9BPX	ITF16
HR9BPY	ITF16
HR9BPZ	ITF16
HR9DC	T16EPR-U
HR9HCO	T16EPR-U
HR10AC	T14PR-U
HR10BC	T14PR-U
HR10BCX	T14PR-U
HR10DCX	T16EPR-U
HR10HCO	T16EPR-U
HR91GX	T16PR-U
HS5E	T22M-U
HS6E	T22M-U
HS7E	T20M-U
HS7F	T20MP-U
HS8E	T20M-U
M4A	M24S
M4A1	M24S
M4A2	M24S
M4AC	M24S
M5A	M22
M5AC	M22
M7A	M17
M7AC	M17
M8A	L14-U
M8A	M14
M8A0	L14-U
M8AC	L14-U
M8AC	M14
M8AC0	L14-U
M10A0	L14-U
M10AC	L14-U
M10AC	M14
M10AC0	L14-U
M10AC0	L14-U
M12B	L14-U
M12B	M14
M95T1	L14-U
M95T1	M14
U5AC	U20FS-U
U6AC	U20FS-U
UH4CC	U24FER9

BOSCH	DENSO
UH5CC	U24FER9
UR2AS	IUF24
UR2CC	U24ESR-N
UR3AC	U22FSR-U
UR3AS	U22FSR-U
UR3CC	U22ESR-N
UR4AC	U22FSR-U
UR4AS	U20FSR-U
UR5AC	U20FSR-U
UR5DC	U20EPR9
UR6AC	U20FSR-U
W2A	W27FS-U
W2AC	W27FS-U
W2AS	IWF27
W2CC	W27ES-U
W2CS	IW31
W3A	W24FS-U
W3AC	W24FS-U
W3AP	IWF24
W3AS	IWF24
W3CP	IW24
W3CS	IW24
W3DDPOR	IW01-24
W3DDPOR	IW24
W3DP	IW24
W3DPO	IW01-24
W3DPO	IW24
W4A	W24FS-U
W4A1	W24FS-U
W4A2	W24FS-U
W4AC	W24FS-U
W4AP	IWF24
W4AS	IWF24
W4CP	IW24
W4CS	IW24
W4DP	IW22
W4DPO	IW01-24
W4DPO	IW24
W5AC	W22FS-U
W5AP	IWF22
W5AS	IWF22
W5B	W22FP-U
W5BC	W22FP-U
W5BP	IWF22
W5C	W22ES-U
W5CC	W22ES-U
W5CCX	W22ES-U
W5CP	IW24
W5CP	W22ES-U
W5CS	IW24
W5CS	W22ES-U
W5DP	IW22
W5DPO	IW24
W5DPO	W22ES-U
W5EC	W22S-U
W6AC	W20FS-U
W06AS	W31FS
W6BC	W20FP-U
W6CC	W22ES-U
W06CS	IW34
W6D	W20EP-U
W6D1	W20EP-U
W6DC	W20EP-U
W6DC0	W20EP-U
W6DP	IW20
W6DPO	IW24
W6DPO	W22ES-U
W7AC	W20FS-U
W7ACY	W20FS-U
W7AP	IWF22
W07AS	W31FS
W7B	W20FP-U

BOSCH	DENSO
W7BC	W20FP-U
W7BP	IWF20
W7BP	IWF22
W7CO	W20ES-U
W7CC	W20ES-U
W7CCO	W20ES-U
W07CS	IW34
W7D	W20EP-U
W7DC	W20EP-U
W7DCO	W20EP-U
W7DCR	W20EPR-U
W7DCR	W20EP-U
W7DCX	W20EPR-U11
W7DP	IW20
W7DPX	IW20
W7DSR	IW20
W7DX	W20EPR-U11
W7EC	W20S-U
W8A	W16FS-U
W8AO	W16FS-U
W8AC	W16FS-U
W8AO	W16FS-U
W8AP	IWF16
W08AS	IWF27
W8B	W16FP-U
W8BC	W16FP-U
W8BP	W16FP-U
W8CC	W16ES-U
W08CS	IW31
W8DC	W16EP-U
W8DCO	W16EP-U
W8DCO4	W20EP-U
W8DCX	W16EP-U11
W8DP	IW16
W8DPV	IW16
W8DPV	W16EP-U11
W8DPX	IW16
W8DPX	W16EP-U11
W8DX	W16EP-U11
W8E	W16S-U
W8EC	W16S-U
W8FC	W16PR-U
W8LCR	J16CR-U
W8LPR	IW16
W8LPR	J16CR-U
W9A	W14F-U
W9AO	W14F-U
W9AC	W14F-U
W9ACO	W14F-U
W9CC	W14E
W9E	W14-U
W9EO	W14LM-U
W9EO	W14LM-US
W9EC	W14-U
W9ECO	W14LM-U
W9ECO	W14LM-US
W9LC	J14CR-U
W9LCX	J14CR-U
W10A	W14F-U
W10AC	W14F-U
W10C	W14E
W10CC	W14E
W10EC	W14-U
W10F	W14PR-U
W10FC	W14PR-U
WK175T1	W20M-US
WR2CC	W31ESR-U
WR3AP	IWF27
WR3CC	W27ESR
WR3CC	W27ESR-U
WR3CP	IW27
WR3CS	IW27

BOSCH	DENSO
WR3DC	IW27
WR4AC	W24FSR
WR4AP	IWF24
WR4CC	W24ESR-U
WR4CP	IW24
WR4DPO	IW01-24
WR4DPO	IW24
WR5AC	W22FSR
WR5AP	IWF22
WR5CC	W22ESR-U
WR5CP	IW24
WR5CP	W22ES-U
WR5D+	W22EPR-U
WR5DC	W22EPR-U
WR5DP	IW22
WR5DS	IW22
WR6AC	W22FSR
WR6BC	W20FPR-U
WR6CC	W22ESR-U
WR6D+	W20EPR-U
WR6DC	W20EPR-U
WR6DC2	W20EPR-U
WR6DCX	W20EPR-U11
WR6DP	IW20
WR6DPO	IW20
WR6DP1X	IW20
WR6DPX	IW20
WR6DS	IW20
WR7AC	W20FSR-U
WR7AP	IWF22
WR7B	W20FPR-U
WR7B+	W20FPR-U
WR7BC	W20FPR-U
WR7BP	IWF20
WR7BP	IWF22
WR7CC	W20ESR-U
WR7CCX	W20ESR-U
WR7CP	W20ESR-U
WR7CPX	W20ESR-U
WR7D+	W20EPR-U
WR7D+X	W20EPR-U11
WR7DC	W20EPR-U
WR7DC2	W20EPR-U
WR7DCX	W20EPR-U11
WR7DP	IW20
WR7DP1	IW20
WR7DP1X	IW20
WR7DPX	IW20
WR7DS	IW20
WR7EC	W20SR-U
WR7LC	J16CR-U
WR8AC	W16FSR
WR8AP	IWF16
WR8AP	W16FSR
WR8B+	W16FPR-U
WR8BC	W16FPR-U
WR8BP	W16FPR-U
WR8CC	W16ESR-U
WR8CCX	W16ESR-U
WR8CP	W16ESR-U
WR8D+	W16EPR-U
WR8D+X	W16EPR-U11
WR8DC	W16EPR-U
WR8DCO4	W20EPR-U
WR8DC4	W16EPR-U
WR8DCX	W16EPR-U11
WR8DP	IW16
WR8DP1	IW16
WR8DP1X	IW16
WR8DPX	IW16
WR8DS	W16EPR-U
WR8EC	W16S-U

BOSCH	DENSO
WR8FC	W16PR-U
WR8LC	J16CR-U
WR8LP	IW16
WR8LP	J16CR-U
WR9CC	W14E
WR9D+	W16EPR-U
WR9DC	W14EPR-U
WR9DP	IW16
WR9DP	W14EPR-U
WR9DPX	IW16
WR9DS	IW16
WR9DS	W14EPR-U
WR9EO	W14LM-U
WR9EC	W14-U
WR9ECO	W14-U
WR9EC3	W14L
WR9ECO	W14-U
WR9FC	W14PR-U
WR9FCY	W14PR-U
WR9FCZ	W14PR-U
WR9FP	W14PR-U
WR9FPY	W14PR-U
WR9FPZ	W14PR-U
WR9LCX	J14CR-U
WR9LE	J14CR-U
WR9LEV	J14CR-U
WR9LP	IW16
WR9LP	J14CR-U
WR9LS	J14CR-U
WR10AC	W14FR-L
WR10AC	W14FR-U
WR10BC	W14FPR-U
WR10DC	W14EPR-U
WR10F	W14PR-U
WR10FC	W14PR-U
WR10FCY	W14PR-U
WR10FCZ	W14PR-U
WR10FY	W14PR-U
WR10LC	J14CR-U
WR10LCV	J14CR-U
WR11EO	W9LMR-US
WR11F	W9PR-U
WR11F	W27ESR-U
WR12EC	W9LMR-US
WR78G	IWF20
WR78G	IWF22
WS5E	W22M-U
WS6E	W20M-US
WS6F	W20MP-U
WS7E	W20M-US
WS7F	W20MP-U
WS8E	W20M-US
WS8F	W20MP-U
WS9EC	W14M-U
WS12E	W14M-U
WSR5F	W22MPR-U
WSR6E	W20MR-U
WSR6F	W22MPR-U
WSR7F	W20MPR-U10
WSR8E	W14MR-U
WSR8F	W14MPR-U10
WSR8F	W20MPR-U10
X3CP0	IX27
X3CP0	IXU01-27
X4CS	IX24
X5DTC	IX24B
XR2AS	X24FS-U
XR2CS	IX24
XR2CS	X27ESR-U
XR4AS	X24FS-U
XR4CS	X24ESR-U
XR4DC	X27EPR-U9

BOSCH	DENSO
XR5CC	X24ESR-U
XR5DC	X22EPR-U9
XR5DC	X24EPR-U9
XR6CC	X24ESR-U
XR7CC	X22ESR-U
XR7DC	X22EPR-U9
XR8DC	X20EPR-U9
Y5DDC	IXU22
Y5DDC	XU22EPR-U
Y6DC	XU20EPR-U
Y6DC	XU22EPR-U
YR5DDE	XU24EPR-U
YR5LDE	IXU24
YR6LDE	IXU22
YR6LDE	XU22EPR-U
YR6LDEM14	IXU24
YR6LDEM14	XU22EPR-U
YR7DC	XU22EPR-U
YR7DE	XU22EPR-U
YR7DE	XU24EPR-U

BRISK / PAL	DENSO
D12Y	IK24
D12YC	IK24
D15Y	Q20P-U
D15YC	Q20P-U
D17Y	Q16PR-U
D17YC	Q16PR-U
DOR08LGS	IK31
DOR08TS	IK31
DOR12LGS	IK24
DOR12TS	IK24
DR12YC	Q22PR-U
DR12ZC	IK22
DR14TC	K22PBR-S
DR14TC1	K22PBR-S
DR14YC	Q22PR-U
DR14YPP1	IK22
DR14YS	IK22
DR14ZC	IK20
DR14ZC1	IK20
DR15TC	K20PBR
DR15YC	Q20PR-U
DR15YPP1	IK20
DR15ZC	IK20
DR15ZC1	IK20
DR17YC	Q16PR-U
DX14LTC1	K22PBR-S
DX15TC	K20PBR
FR15YC	MA20PR-U
G15Y	T20EP-U
G15YC	T20EP-U
G17Y	T16EPR-U
G17YC	T16EPR-U
GR14ZC	T20EPR-U
GR15YC	T20EPR-U
GR15ZC	T16EPR-U
GR17YC	T16EPR-U
J17	W14LM-US
J19	W9LM-US
JR17	W14LM-U
JR19	W9LMR-US
K17C	W16S-U
K17Y	W16PR-U
K19	W14-U
L08JW	IW34
L10JW	IW29
L12W	IW27
L14C	W22ES-U
L14U	W22ES-U
L15	W20ES-U
L15C	W20ES-U

BRISK / PAL	DENSO
L15W	IW24
L15Y	W20EP-U
L15YC	W20EP-U
L17	W16ES-U
L17C	W16ES-U
L17W	IW20
L17Y	W16EP-U
L17YC	W16EP-U
L19	W14E
LOR08LGS	IW31
LOR08TS	IW31
LOR10LGS	IW27
LOR10TS	IW27
LOR12LGS	IW24
LOR12TS	IW24
LR12S	IW24
LR12YC	W24EPR-U
LR12ZC	IW22
LR14YC	W22EPR-U
LR14YPP	IW22
LR14YS	IW22
LR14ZC	IW20
LR14ZC1	IW20
LR15YC	W20EPR-U
LR15YC1	W20EPR-U11
LR15YS	IW20
LR15ZC	IW20
LR15ZC1	IW20
LR17YC	W16EPR-U
LR17YS	IW16
N12W	IWF27
N14	W22FS-U
N14C	W22FS-U
N14Y	W22FP-U
N14YC	W22FP-U
N15	W20FS-U
N15C	W20FS-U
N15W	IWF22
N15Y	W20FP-U
N15YC	W20FP-U
N17	W16FS-U
N17C	W16FS-U
N17W	IWF22
N17YC	W16FP-U
N19	W14F-U
N19C	W16FS-U
NR12S	W27FSR
NR12YC	W24FPR
NR14	W22FSR
NR14YC	W22FPR-U
NR15	W20FSR-U
NR15YC	W20FPR-U
NR17	W16FSR
NR17C	W16FSR
NR17YC	W16FPR-U
NR19	W14FR-U
P15	W22M-U
P17	W20M-US
P17Y	W20MP-U
PR15Y	W22MPR-U
PR17Y	W20MPR-U10
U15	T22M-U
U17	T20M-U
UR15	T22M-U
UR17	T20M-U

CHAMPION	DENSO
9FYSR	W20EPR-U
9FYSSR	W20EPR-U
9GYSSR	K20PR-U
10R12A	IK20
206	IK20

CHAMPION	DENSO
206	IK22
207	IK22
207	IK24
208	IK24
307	IW22
307	IW24
308	IW24
860	MA16PR-U
860	MA20PR-U
870	MA16PR-U
955	XU24EPR-U
3015	T16EPR-U
3034	IW16
3071	Q16PR-U
3322	IK20
3322	W16EPR-U
3344	K20PR-U
3344	W20M-US
3401	T16EPR-U
3405	W16EXR-U
3415	W20EPR-U
5834(EZstart)	W14M-U
5846	T20M-U
5847(EZstart)	T22M-U
7018	ITF16
7032	PT16VR13
7318	VK16
7436	VK16
7712	MA20PR-U
9001	VK16
9002	VK16
9802	VK20
9803	VK20
248814	IW22
A4HC	XU27EPR-U
A6G	IX24
A6GC	IX24
A6GHC	IX24B
A49GC	IXU27
A54R	IXU01-31
A55R	IXU01-31
A57G	IXU01-31
A57R	IXU01-31
A59G	IX27
A59G	IXU27
A59GC	IX27
A59GC	IXU27
A61G	IX27
BN9Y	T20EP-U
BN12Y	T16EPR-U
BN14Y	T16EPR-U
BN89Y	T20EP-U
C6BMC	K22PBR-S
C6VPYC	IK22
C7BMC	K22PBR-S
C7GY	IK22
C9BYC	K20PBR
C9GY	IK20
C9Y	Q20P-U
C9YC	Q20P-U
C9YC4	K20PR-U11
C9YC4	Q20P-U11
C9YCC	Q20P-U
C9YCX	Q20P-U
C10YCC	Q20P-U
C10YCX	Q20P-U
C11YCC	Q16PR-U
C53	IK34
C53C	IK31
C53VC	IW34
C55	IK31
C55	IW31

CHAMPION	DENSO
C55C	IK31
C55R	IK02-31
C55VC	IW31
C57	IK31
C57C	IK31
C57CX	IK31
C57R	IK02-31
C57VC	IW31
C57Y	IK31
C57YC	IK31
C59	IW27
C63	IK24
C63C	IK24
C63YC	IK24
C63YC	K24PR-U11
C63YCC	IK24
C63YCC	K24PR-U11
C281YC	Q20P-U
C501R	IK02-31
C502R	IK02-31
CJ3	W22M-U
CJ4	W22M-U
CJ6	W22M-U
CJ8	W20M-US
CJ8Y	W20MP-U
CJ11	W14M-U
CJ14	W14M-U
D6	M24S
D9	M22
D9J	M22
D10	M17
D10	M22
D14	L14-U
D14	M14
D14N	L14-U
D15Y	L14-U
D15Y	M14
D16	L14-U
D16J	L14-U
D18Y	L14-U
D18Y	M14
D21	L14-U
D21	M14
D23	L14-U
D23	M14
D78Y	M24S
DJ6J	T22M-U
DJ7J	T20M-U
DJ7Y	T20MP-U
DJ8J	T20M-U
E54R	IW31
E57R	IW27
EON3	T20EPR-U
EON4	PT16VR13
EON5	W20EPR-U
F10	MA20PR-U
F10C	MA20PR-U
F11Y	MA16PR-U
F11YC	MA16PR-U
G2	U24ESR-N
G54R	IU01-31
G54V	RU01-31
G55	IU31
G55	U31ESR-N
G55C	U31ESR-N
G55R	IU01-31
G56R	IU01-31
G57C	U31ESR-N
G57R	IU01-31
G59C	U24ESR-NB
G63	IU24
G63	U24ESR-N

CHAMPION	DENSO
H8	W16LS
H8C	W16LS
H8J	W16LS
H9	W16LS
H10	W16LS
H10C	W14L
H10C	W16LS
H10J	W14L
H10J	W16LS
H11	W14L
H12	W14L
H18Y	W16LS
J4	W24S-U
J4C	W24S-U
J4J	W24S-U
J5	W22S-U
J6	W20S-U
J6C	W20S-U
J6J	W20S-U
J7	W16S-U
J7J	W16S-U
J8	W14-U
J8C	W14-U
J8J	W14-U
J10	W20S-U
J11	W9-U
J11C	W9-U
J11J	W9-U
J11Y	W16PR-U
J12C	W9-U
J12C	W14-U
J12J	W9-U
J12Y	W16PR-U
J12YC	W16PR-U
J13Y	W14PR-U
J13Y	W16PR-U
J14J	W9-U
J14Y	W14PR-U
J14YC	W14PR-U
J17LM	W14LM-U
J17LM	W14LM-US
J18Y	W9P-U
J18YC	W9PR-U
J18YC	W9P-U
J19LM	W9LM-US
J19V	W14LM-US
K8	M22
K9	M22
K13	L14-U
K15J	L14-U
L2G	IWF27
L3G	IWF24
L4G	IWF22
L4J	W22FS-U
L4J	W27FS-U
L5	W22FS-U
L6G	IWF22
L6VC	IWF22
L7J	W22FS-U
L7YC	W22FP-U
L7YC4	W22FP-U10
L9G	IWF22
L9J	W20FS-U
L9YC	W20FP-U
L10	W16FS-U
L10	W20FS-U
L10S	W22FS-U
L11YC	W16FP-U
L12Y	W16FP-U
L14U	W14F-U
L55C	W24FS-U
L55C	W31FS

CHAMPION	DENSO
L55G	W31FS
L57R	IWF27
L58R	IWF27
L60R	IWF24
L62R	IWF24
L64Y	W22FP-U
L66Y	W20FP-U
L77J	W27FS-U
L77JC	W27FS-U
L78	W24FS-U
L78C	W24FS-U
L78YC6	W24FPR-U10
L81Y	W22FP-U
L82C	W22FS-U
L82CC	W22FS-U
L82Y	W22FP-U
L82YC	W22FP-U
L82YCC	W22FP-U
L85	W20FS-U
L85C	W20FS-U
L86	W16FS-U
L86C	W16FS-U
L86CC	W16FS-U
L87R	IWF27
L87Y	W20FP-U
L87YC	W20FP-U
L87YCC	W20FP-U
L88A	W16FS-U
L89CM	W16FS-U
L90	W16FS-U
L90C	W16FS-U
L92Y	W16FP-U
L92YC	W16FP-U
L95Y	W14FP-U
L288	W16FS-U
N1C	W27ES-U
N2	W27ES-U
N2C	W27ES-U
N2G	IW27
N3G	IW24
N4	W22ES-U
N4C	W22ES-U
N4G	IW24
N4G	W22ES-U
N5	W20ES-U
N5C	W20ES-U
N5G	IW20
N6	W16ES-U
N6	W20ES-U
N6GY	IW24
N7	W16ES-U
N7	W22ES-U
N7C	W22ES-U
N7GY	IW22
N8	W14E
N8	W20ES-U
N8GY	IW20
N8Y	W20EP-U
N9Y	W20EP-U
N9YC	W20EP-U
N9YC4	W20EPR-U11
N9YCC	W20EP-U
N9YCX	W20EP-U
N10PY	IW20
N10Y	W20EP-U
N10Y4	W20EPR-U11
N11Y	W16EP-U
N11YC	W16EP-U
N11YC4	W16EP-U11
N11YCC	W16EP-U
N12Y	W16EP-U
N12YC	W16EP-U

CHAMPION	DENSO
N12YCC	W16EP-U
N13Y	W16EP-U
N14Y	W16EP-U
N21	W14E
N54R	IW34
N55G	IW34
N57G	IW31
N57R	IW01-31
N57R	IW31
N59G	IW29
N60	IW27
N60	W27ES-U
N60R	IW29
N60Y	IW27
N61YD	IW27
N62R	IW01-27
N62R	IW27
N63Y	IW27
N66Y	W20EP-U
N74C	W22ES-U
N80G	IW34
N82	IW29
N82G	IW31
N82S	IW31
N84G	IW29
N86G	IW27
N87G	IW24
N88	W16ES-U
N281YC	W20EP-U
N288	W20ES-U
NA12	IW29
NA14	IW31
NR2C	W27ESR-U
OBL9Y	T20PR-U
OE001	W20EP-U
OE002	Q20PR-U
OE003	Q20P-U
OE004	W20EPR-U
OE005	Q20PR-U
OE006	W20EPR-U
OE007	W20FP-U
OE008	W22EPR-U
OE009	T20EP-U
OE011	T20EPR-U
OE013	Q16PR-U
OE014	Q22PR-U
OE015	W16EP-U
OE018	W22EPR-U
OE020	T20EPR-U
OE021	K22TNR-S
OE022	W20EP-U
OE023	Q20P-U
OE024	Q20PR-U11
OE029	PT16VR13
OE031	PT16VR13
OE033	K20PR-U
OE034	K20PR-U
OE036	T20EP-U
OE037	W16FS-U
OE038	W22FP-U
OE039	Q20PR-U11
OE040	W27ES-U
OE042	W16EPR-U
OE043	Q22PR-U
OE045	W16EPR-U
OE047	W20EPR-U11
OE048	Q22PR-U
OE049	W16EPR-U11
OE051	W16EPR-U
OE052	XU24EPR-U
OE053	MA20PR-U
OE054	MA20PR-U

CHAMPION	DENSO
OE055	W16EP-U
OE059	W16FP-U
OE060	J16CR-U
OE064	W22FPR-U
OE065	W16EP-U
OE069	Q20P-U
OE070	W20FP-U
OE071	W22FPR-U
OE072	T20EP-U
OE073	XU24EPR-U
OE074	W20ES-U
OE077	K22PBR-S
OE078	IW24
OE079	W22ES-U
OE081	K20PR-U11
OE083	XU24EPR-U
OE086	W22FSR
OE088	Q16PR-U
OE091	W27ESR-U
OE092	U27ESR-N
OE094	Q22PR-U
OE096	W16FS-U
OE097	W22EPR-U
OE098	W22ESR-U
OE099	T16EPR-U
OE101	W16EPR-U11
OE102	K20PR-U
OE103	IX27
OE104	W22FP-U
OE106	W16EP-U
OE108	W24ESR-U
OE110	Q22PR-U
OE111	W20EPR-U
OE112	IX24
OE113	W20EPR-U11
OE116	W24EPR-U
OE118	K22PBR-S
OE119	K20PR-U
OE121	Q16PR-U
OE122	IU22
OE125	IW27
OE127	K20PR-U
OE129	IK22
OE137	Q16PR-U
OE142	IXU27
OE150	IU24
OE151	T16EPR-U
OE152	K20PR-U11
OE155	MA20PR-U
OE158	IK31
OE161	W16EPR-U
OE162	W20ESR-U
OE165	IK31
OE170	W16EPR-U
OE171	T20PR-U
OE186	XU22EPR-U
OJ11Y	W16PR-U
OJ12Y	W16PR-U
OJ13Y	W16PR-U
ON11Y	W16EPR-U
ON12Y	W16EPR-U
P7	X24FS-U
P82M	W22FS-U
P86M	W16FS-U
PA5HC	IX24
PA7HC	IX22
PL7YC	IWF22
PL7YC4	IWF22
PL9YC	IWF22
PL9YC	W20FP-U
PL11YC	W16FP-U
PN5C	IW24

CHAMPION	DENSO
PN5YC	IW24
PN7C	IW24
PRA7HC	X22EPR-U9
PRL5SC	W20FR-L
PRL5SC	W24FR-L
PRL9SC	W14FR-L
PRL9SC	W20FR-L
PRZ9HC	U20FSR-U
PZ7HC	IUF22
PZ9HC	IUF22
PZ9HC	U20FS-U
QC12YC	Q16PR-U
QC57	IK31
QC57C	IK31
QC59	IK31
QC501V	IK02-31
QJ19LM	W9LMR-US
QL7J	W22FSR
QL16V	W24FS-U
QL55	W31FS
QL57	IWF27
QL77CC	W27FSR
QL77J	W27FSR
QL77J4	W27FSR-U10
QL77JC	W27FSR
QL77JC4	W27FSR-U10
QL78C	W24FSR
QL78YC	W24FPR
QL78YC6	W24FPR-U10
QL81Y	W22FPR-U
QL82C	W22FSR
QL82YC	W22FPR-U
QL86	W20FSR-U
QL86C	W20FSR-U
QL87C	W20FSR-U
QL87YC	W20FPR-U
QN1	W31ESR-U
QN2	W27ESR-U
QN2C	W27ESR
QN2C	W27ESR-U
QN2G	IW27
QN3	W24ESR-U
QN3C	W24ESR-U
QN3G	IW24
QN14MC	J14CR-U
QN53VS	IW01-32
QN84	W27ESR-V
QN86	W24ESR-V
QN86C	W24ESR-V
QN508V	IW01-32
R6	X24ESR-U
R6G	IX24
R8	X22ESR-U
RA2HC	X27ESR-U
RA4GHC	IXU27
RA4GHC	XU27EPR-U
RA4HC	XU24EPR-U
RA4HC	XU27EPR-U
RA4HCC	XU24EPR-U
RA4HCX	XU24EPR-U
RA4YC	XU27EPR-U
RA5YC	XU27EPR-U
RA6	XU24EPR-U
RA6HC	XU24EPR-U
RA6Y	XU24EPR-U
RA6YC	XU24EPR-U
RA8GHC	IXU22
RA8HC	XU22EPR-U
RA8Y	X22EPR-U9
RA8YC	XU22EPR-U
RA8YCX4	XU22EPR-U
RA59GC	IX27

CHAMPION	DENSO
RA59GC	IXU01-27
RA59GC	IXU27
RA59PP	IXU27
RAX92C	X27ESR-U
RAX92DC	X27ETR
RAX92YC	X27EPR-U9
RAX94C	X24ESR-U
RAX94YC	X24EPR-U9
RAX96C	X22ESR-U
RAX96YC	X22EPR-U9
RBL9Y	T20PR-U
RBL11Y	T20PR-U
RBL13Y	T16PR-U
RBL15Y	T16PR-U
RBL16Y	T14PR-U
RBL17Y	T14PR-U
RBN9Y	T20EPR-U
RBN12Y	T16EPR-U
RBN13Y	T16EPR-U
RBN14Y	T16EPR-U
RC6BMC	K22PBR-S
RC6VPC	IK22
RC6YC	Q22PR-U
RC6YCC	Q22PR-U
RC7BMC	K22PBR-S
RC7BMC	K22TNR-S
RC7BYC	K22PBR-S
RC7BYC4	K22PBR-S
RC7GYC	IK22
RC7PYCB	IK22
RC7PYCB4	IK22
RC7Y	Q22PR-U
RC7YC	Q22PR-U
RC7YC4	K22PR-U11
RC7YCC	Q22PR-U
RC7YCC4	K22PR-U11
RC7YCX	Q22PR-U
RC8BYC	K20PBR
RC8J	W20MR-U
RC8PYX	IK20
RC8YC	K20PR-U
RC8YC4	K20PR-U11
RC8YCC	K20PR-U
RC8YCC4	K20PR-U11
RC8YCL	K20PR-U
RC8YLC	K20PR-U
RC9BYC	K20PBR
RC9PYX	IK20
RC9Y	Q20PR-U
RC9YC	K20PR-U
RC9YC	Q20PR-U
RC9YC4	K20PR-U11
RC9YC4	Q20PR-U11
RC9YCC	K20PR-U
RC9YCC	Q20PR-U
RC9YCC4	K20PR-U11
RC9YCC4	Q20PR-U11
RC9YCE	Q20PR-U
RC9YCN4	K20PR-U11
RC9YCN4	Q20PR-U11
RC10PYC	IK20
RC10YC	Q16PR-U
RC10YP4	IK20
RC12YC	Q16PR-U
RC12YCC	Q16PR-U
RC12YCE	Q16PR-U
RC14YC	Q16PR-U
RC57C	IK31
RC87YC	K20PR-U
RC87YCC	K20PR-U
RC87YCL	K20PR-U
RC279YC	Q22PR-U

CHAMPION	DENSO
RC281YC	K20PR-U
RC281YC	Q20PR-U
RCJ4	W22M-U
RCJ6	W22M-U
RCJ6Y	W22MPR-U
RCJ7Y	W22MPR-U
RCJ8	W20MR-U
RCJ8Y	W20MPR-U10
RD14	L14-U
RD15Y	L14-U
RD16	L14-U
RD16J	L14-U
RD18Y	L14-U
RDJ6J	T22M-U
RDJ7J	T20M-U
RDJ7Y	T20MP-U
RDJ8J	T20M-U
RE7PYC5	PT16VR13
RE7PYC6	PT16VR13
RE7YCC	PT16VR13
RES9PYC4	PT16VR13
RF7YC	MA20PR-U
RF7YCC	MA20PR-U
RF9Y	MA20PR-U
RF9YC	MA20PR-U
RF10	MA20PR-U
RF10C	MA20PR-U
RF11LC	MA20PR-U
RF11Y	MA16PR-U
RF11YC	MA16PR-U
RF12	MA16PR-U
RF14LC	MA16PR-U
RF14Y	MA16PR-U
RF14YC	MA16PR-U
RG2PHP	IU24
RG4HC	IU27
RG4HC	U27ESR-N
RG4PHP	IU22
RG4PHP	IU27
RG6PP	IU24
RG6YC	U24ESR-N
RG6YC	U24ESR-NB
RG6YCA	U24ESR-N
RG6YCH	N24EXRB
RG59V	RU01-31
RG92C	U27ESR-N
RG92DC	U27ETR
RG94C	U24ESR-N
RG96C	U22ESR-N
RG519HC	U27ESR-N
RGU92C	U27FER9
RGU94C	U24FER9
RH8C	W16LS
RH10C	W16LS
RH12	W16LS
RJ6	W20SR-U
RJ6C	W20SR-U
RJ6J	W20SR-U
RJ7	W20SR-U
RJ8	W20SR-U
RJ8C	W20SR-U
RJ8J	W20SR-U
RJ11	W20SR-U
RJ11Y	W16PR-U
RJ12C	W14-U
RJ12Y	W16PR-U
RJ12Y6	W16PR-U
RJ12YC	W16PR-U
RJ12YC6	W16PR-U
RJ13Y	W14PR-U
RJ13Y	W16PR-U
RJ14J	W14PR-U

CHAMPION	DENSO
RJ14Y	W14PR-U
RJ14YC	W14PR-U
RJ17LM	W14LM-U
RJ18Y	W9PR-U
RJ18Y6	W9PR-U
RJ18Y8	W9PR-U
RJ18YC	W9PR-U
RJ18YC6	W9PR-U
RJ18YC8	W9PR-U
RJ19LM	W9LMR-US
RL4J	W24FSR
RL5SC	W24FR-L
RL7J	W22FSR
RL9SC	W20FR-L
RL12Y	W16FPR-U
RL19	W16FSR
RL77J	W27FSR
RL77JC4	W27FSR-U10
RL78	W24FSR
RL78C	W24FSR
RL82C	W22FSR
RL82Y	W22FPR-U
RL82YC	W22FPR-U
RL82YCC	W22FPR-U
RL85G	IWF22
RL86	W20FSR-U
RL86C	W20FSR-U
RL87Y	W20FPR-U
RL87YC	W20FPR-U
RL87YCC	W20FPR-U
RL90	W16FSR
RL92YC	W16FPR-U
RL95YC	W14FPR-U
RN1C	W27ESR
RN1C	W27ESR-U
RN2	W27ESR
RN2	W27ESR-U
RN2C	W27ESR
RN2C	W27ESR-U
RN2G	IW27
RN3	W24ESR-U
RN3C	W24ESR-U
RN3G	IW24
RN4	W22ESR-U
RN4C	W22ESR-U
RN4HC	W24ESR-U
RN4YC	W24EPR-U
RN5	W20ESR-U
RN5C	W20ESR-U
RN6	W20ESR-U
RN6Y	W24EPR-U
RN6YC	W24EPR-U
RN6YCX	W24EPR-U
RN7GY	IW22
RN7LCC	W22EPR-U
RN7Y	W22EPR-U
RN7YC	W22EPR-U
RN7YCC	W22EPR-U
RN7YCC4	W22EPR-U
RN7YCX	W22EPR-U
RN8	W20ESR-U
RN8YC	W20EPR-U
RN8YC4	W20EPR-U11
RN9GY	IW20
RN9LCC	J16CR-U
RN9Y	W20EPR-U
RN9YC	W20EPR-U
RN9YC4	W20EPR-U11
RN9YCC	W20EPR-U
RN9YCC4	W20EPR-U11
RN9YCE	W20EPR-U
RN9YCX	W20EPR-U

CHAMPION	DENSO
RN10GY	IW20
RN10Y	W20EPR-U
RN10Y4	W20EPR-U11
RN10YC	W20EPR-U
RN10YC4	W20EPR-U11
RN10YCC4	W20EPR-U11
RN11Y	W16EPR-U
RN11Y4	W16EPR-U11
RN11YC	W16EPR-U
RN11YC	W16EXR-U
RN11YC4	W16EPR-U11
RN11YC4	W16EXR-U11
RN11YCC	W16EPR-U
RN11YCC4	W16EPR-U11
RN12GY	IW16
RN12MC4	W16EXR-U11
RN12Y4	W16EPR-U11
RN12YC	W16EPR-U
RN12YC	W16EXR-U
RN12YC4	W16EXR-U11
RN12YC6	W16EPR-U11
RN12YCC	W16EPR-U
RN14Y	W14EPR-U
RN14Y	W14EXR-U
RN14Y	W16EPR-U
RN14YC	W14EXR-U
RN14YC	W16EPR-U
RN16Y	W14EPR-U
RN16YC	W14EPR-U
RN57YC	IW29
RN57YCC	IW29
RN74C	W22ESR-U
RN83C	W20ESR-U
RN279YC	W22EPR-U
RN281YC	W20EPR-U
RP7	X24FS-U
RS9Y	T20EPR-U
RS9YC	T20EPR-U
RS9YCC	T20EPR-U
RS9YCX	T20EPR-U
RS10LC	T20EPR-U
RS12YC	T16EPR-U
RS13LYC	T20EPR-U
RS14YC	T16EPR-U
RS16YC	T16EPR-U
RS17YX	T16EPR-U
RS281YC	T20EPR-U
RV9YC	T20PR-U
RV12YC	T16PR-U
RV12YC	T20PR-U
RV15YC	T16PR-U
RV17YC	T14PR-U
RV19YC	T14PR-U
RV91MC	T16PR-U
RZ7C	U24FSR-U
RZ8	U22FSR-U
RZ94C	U24FSR-U
RZ96C	U22FSR-U
RZ98C	U20FSR-U
S9YC	T20EP-U
S9YCC	T20EP-U
S9YCX	T20EP-U
S10YCC	T20EP-U
S12YC	T16EPR-U
S12YCC	T16EPR-U
S14YC	T16EPR-U
S279YC	T20EP-U
S281YC	T20EP-U
TJ8J	W20M-US
UD16	L14-U
UJ2J	W24S-U
UJ4J	W22S-U

Spark Plugs

Cross Reference Chart – Competitor

CHAMPION	DENSO
UJ4J	W24S-U
UJ6	W20S-U
UJ8	W20S-U
UJ11G	W16S-U
UJ12	W9-U
UJ12	W14-U
UJ12C	W14-U
UJ12Y	W16PR-U
UJ81C	W22S-U
UJ81J	W22S-U
UK10	M17
UL4J	W22FS-U
UL81C	W22FS-U
UL81C	W24FS-U
UL81J	W22FS-U
UL81J	W24FS-U
XJ4J	W24S-U
Z7G	IUF22
Z7G	IUF24
Z9HC	U20FS-U
Z10	U20FS-U
Z10G	IUF22
Z12	U20FS-U

DAYTONA MAXFIRE	DENSO
61479	IW24
61480	IW27
61481	IU24
61482	IU27
61483	IUH24
61484	IUH27
61485	IUF22
61486	IUF22
61487	IUF24
61488	IX24
61489	IX27
61490	IWF20
61491	IWF22
61492	IWF24
61493	IX22B
61494	IX24B

EYQUEM	DENSO
30AM	W14L
50AM	W16LS
50M	W16FS-U
70M	W20FS-U
75LM	W20ES-U
75M	W20FS-U
100M	W24FS-U
200	W14F-U
202CT	W9LM-US
300A	W14L
406	W16FS-U
450L	W14E
480CS	W14PR-U
500	W16FS-U
500A	W16LS
500C	W20S-U
500CJT	T20M-U
500CM	W20S-U
500CS	W16PR-U
500CT	W20M-US
500M	W16FS-U
502	W16FS-U
502CT	W14LM-US
520CS	W16PR-U
550CS	W16PR-U
550S	W14FP-U
580S	W16FP-U
600L	W20ES-U
600LS	W16EP-U

EYQUEM	DENSO
600S	W16FP-U
700	W20FS-U
700C	W20S-U
700CM	W20S-U
700CTS	W20MP-U
705L	W16ES-U
705S	W20FP-U
707LS	W16EP-U
750	W20FS-U
750L	W20ES-U
750LS	W20EP-U
753LJS	T20EP-U
755	W22FS-U
755C	W22S-U
755CJT	T22M-U
755CM	W20S-U
755CT	W22M-U
755L	W20ES-U
755LJS	T20EP-U
755LS	W20EP-U
755M	W20FS-U
755S	W22FP-U
755SX	W22FP-U
755X	W22FS-U
775SX	W20FP-U
775X	W20FS-U
800LJS	T20EP-U
805L	W22ES-U
805LP	IW24
850	W22FS-U
1000	W24FS-U
1000C	W24S-U
1000CM	W22S-U
1100	W27FS-U
1150	W27FS-U
1150L	W27ES-U
5002	W16FS-U
C32	W16FS-U
C32LS	W16EP-U
C32S	W16FP-U
C42LJS3	T16EPR-U
C42S	W20FP-U
C52LJS	T20EPR-U
C52LJS	T20EP-U
C52LS	W16EP-U
C62	W22FS-U
C62LJS	T20EP-U
C62LS	W20EP-U
C62S	W22FP-U
D775	X16FSR-U
D1000	X24FS-U
F20	W14F-U
F50	W16FS-U
F55P	W16FP-U
F65P	W20FP-U
F70	W16FS-U
F75	W20FS-U
F75H	W20FS-U
F80	W22FS-U
F85P	W20FP-U
F86	IK22
F95P	W22FP-U
F100	W24FS-U
F220	W27FS-U
F260	IWF27
F280	IWF27
FA50	W14L
FA70	W16LS
FC42LS	Q16PR-U
FC52LS	Q20P-U
FC58LS	Q20P-U
FC58LS3	K20PBR

EYQUEM	DENSO
FC62LS	Q20P-U
FC62LS3	K20PBR
FC62LS3X	K20PBR
FC82LS2	K22TNR-S
FE45P	W16EP-U
FE55P	W20EP-U
FE65CPR	W20EPR-U
FE65P	W20EP-U
FE70	W20ES-U
FE75	W22ES-U
FE80	W22ES-U
FE85P	W20EP-U
FE125P	W20EP-U
FE220	IW24
FE260	IW27
FE280	IW29
FE285	IW31
FE310	IW01-32
FE320	IW34
FE395	IW01-32
FET65P	T20EP-U
FN52LS	W20EPR-U
FS20	W9-U
FS30	W14-U
FS35P	W14PR-U
FS45P	W16PR-U
FS50	W20S-U
FS70	W20S-U
FS75	W22S-U
F575H	W22FS-U
FS100	W24S-U
FSC50	W20M-US
FSC50P	W20MP-U
FSC70P	W20MP-U
GT4S	W16PR-U
GT4T	MA16PR-U
GT5	W16FP-U
GT5L	W16EP-U
GT6	W20FP-U
GT6L	W20EP-U
GT7	W22FP-U
K200M	L14-U
K200M	M14
K300JS	MA16PR-U
K300M	M17
K450JS	MA16PR-U
K500M	M17
K600M	M22
K750M	M17
L3	IW16
L65	IW20
L87	IW22
M50	M17
M60	M17
M75	M22
M80	M24S
MT45P	MA16PR-U
MT55P	MA16PR-U
N43	IWF22
R850	W22FSR
R1000	W24FSR
R1000L	W24ESR-U
RC30LS	W14EPR-U
RC32LS	W16EPR-U
RC32LS5	W16EPR-U11
RC42S	W20FPR-U
RC52LJS	T20EPR-U
RC52LJS5	T20EPR-U
RC52LS	W20EPR-U
RC52LS5	W20EPR-U11
RC52LZE	J16CR-U
RC62HJSDP	PT16VR13

EYQUEM	DENSO
RC62LJS	T20EPR-U
RC62LJS5	T20EPR-U
RC62LS	W20EPR-U
RC62LS5	K20PR-U11
RC62LS5	W20EPR-U11
RC62S	W22FPR-U
RC72LS	W22EPR-U
RC82LS	W22EPR-U
RFC42LS	Q16PR-U
RFC52LS	K20PR-U
RFC52LS	Q20PR-U
RFC52LS3	K20PBR
RFC52LS5	K20PR-U11
RFC52LS5	Q20PR-U11
RFC57LS3	K20PBR
RFC58LS	K20PR-U
RFC58LS	Q20PR-U
RFC58LS3	K20PBR
RFC58LS5	K20PR-U11
RFC58LS5	Q20PR-U11
RFC58LZ	Q20PR-U
RFC58LZK	K20PR-U
RFC62LS	Q22PR-U
RFC62LS3	K22PBR-S
RFC62LS3X	K22PBR-S
RFC62LS5	K22PR-U11
RFC62LZ3EX	K22PBR-S
RFC82LS	Q22PR-U
RFC82LS3	K22PBR-S
RFC82LS5	K22PR-U11
RFN52LZ	K20PR-U
RFN58LZ	K20PR-U
RKC52JS	MA20PR-U
RKC62JS	MA20PR-U
T30	U20FS-U
TW280	X24FS-U
XC30LS	W14EPR-U
XC32LS	W16EPR-U
XC42S	W20FPR-U
XC52LS	W16EPR-U
XC62LJS	T20EPR-U
XC62LS	W20EPR-U
XC62S	W22FPR-U
XC72LS	W22EPR-U
XFC62LS	Q22PR-U
XFC82LS	Q22PR-U
XKC52JS	MA20PR-U
XKC62JS	MA20PR-U

HITACHI	DENSO
43W	W24S-U
44W	W22S-U
45W	W20S-U
46PW	W16PR-U
46W	W16S-U
47PW	W14PR-U
47W	W14-U
48W	W9-U
83W	M24S
84W	M22
85W	M17
86VPW	MA16PR-U
86VW	MA16PR-U
C45VW	T22M-U
C45W	W22M-U
C46VW	T20M-U
C46W	W20M-US
L14W	U20FS-U
L42W	W27ES-U
L44VPW	T20EP-U
L44W	W22ES-U
L45PW	W20EP-U

HITACHI	DENSO
L45VPW	T16EPR-U
L45W	W20ES-U
L46PW	W16EP-U
L46PW11	W16EP-U11
L46W	W16ES-U
L47W	W14E
M23W	X24FS-U
M42W	W27FS-U
M43W	W24FS-U
M44PW	W22FP-U
M44W	W22FS-U
M45PW	W20FP-U
M45W	W20FS-U
M46PW	W16FP-U
M46W	W16FS-U
M47VPW	T14PR-U
M47W	W14F-U

HKS	DENSO
M35G	IW22
M35i	IK22
M40G	IW24
M40i	IK24
M40X	IXU24
M45G	IW27
M45X	IXU27
S30	IQ20
S30i	IK20
S35G	IW22
S35i	IK22
S40G	IW24
S40i	IK24
S40X	IXU24
S45G	IW27
S45X	IXU27
S50i	IK31
S55i	IK34

ISKRA	DENSO
F20	W14F-U
F45P	W14FP-U
F50	W16FS-U
F55P	W16FP-U
F55PRS	W16FPR-U
F55PS	W16FP-U
F65CP	W20FP-U
F65CPR	W20FPR-U
F65P	W20FP-U
F65PR	W20FPR-U
F65PRS	W20FPR-U
F65PS	W20FP-U
F70	W20FS-U
F75	W20FS-U
F75RS	W20FSR-U
F75S	W20FS-U
F80	W22FS-U
F80C	W22FS-U
F80S	W22FS-U
F85CP	W20FP-U
F85P	W20FP-U
F85PS	W20FP-U
F95P	W22FP-U
F95PS	W22FP-U
F100	W24FS-U
F100RS	W24FSR-U
F100S	W24FS-U
FE45P	W16EP-U
FE50	W16ES-U
FE55P	W16EP-U
FE55PRS	W16EPR-U
FE55PS	W16EP-U
FE65CP	W20EP-U

ISKRA	DENSO
FE65CPR	W20EPR-U
FE65PR	W20EPR-U
FE65PRS	W20EPR-U
FE65PS	W20EP-U
FE70	W20ES-U
FE75	W22ES-U
FE75RS	W22ESR-U
FE75S	W22ES-U
FE80RS	W24ESR-U
FE85CPR	W22EPR-U
FE85PR	W22EPR-U
FE85PRS	W22EPR-U
FE95CPR	W24EPR-U
FE95PR	W22EPR-U
FE100	W27ES-U
FE100RS	W27ESR-U
FE100S	W27ES-U
FE125P	W20EP-U
FE220	W27ES-U
FET55PRS	T16EPR-U
FET55PS	T16EPR-U
FET65P	T20EP-U
FET65PRS	T20EPR-U
FET65PS	T20EP-U
FS20	W9-U
FS30	W14-U
FS30LM	W14LM-US
FS30LMR	W14LM-U
FS35P	W14PR-U
FS45P	W16PR-U
FS50	W16S-U
FS50C	W20M-US
FS70	W20S-U
FS70C	W20MP-U
FS75	W22S-U
FS75H	W22S-U
FS100	W24S-U
FSC50	W20M-US
FSC50P	W20MP-U
FSC50R	W20MR-U
FSC70P	W20MP-U
FSC75CPR	W22MPR-U
FT65PR	T20PR-U
GT4S	W16PR-U
GT4T	MA16PR-U
GT5	W16FP-U
GT5L	W16EP-U
GT6	W20FP-U
GT6L	W20EP-U
GT7	W22FP-U
M50	M14
M60	M17
M75	M22
M80	M24S
MT45P	MA16PR-U
MT55P	MA16PR-U
MT65PRS	MA20PR-U
SFE55PRS	Q16PR-U
SFE55PTS	K20PBR
SFE65CPR	Q20PR-U
SFE65LTS	K20PBR
SFE65PRS	Q20PR-U
SFE65PS	Q20P-U
SFE65PTRS	K20PBR
SFE65PTS	K20PBR
SFE85CPR	Q22PR-U
SFE85PRS	Q22PR-U
SFE85PTRS	K22PBR-S
T30	U20FS-U
TW280	X24FS-U

LODGE	DENSO
2HLDR	K22PBR-S
2HLN	W22ES-U
B6Y	T20EP-U
B6YR	T20EPR-U
CNY	W16FP-U
HBANC	W20M-US
HBANCY	W20MPR-U10
HBLT	T20EP-U
HL	W20EP-U
HLD	Q20P-U
L4YR	W22EPR-U
L5	W22ES-U
L6Y	W20EP-U
L6YR	W20EPR-U
M5YR	Q22PR-U
M6Y	Q20P-U
M6YR	Q20PR-U
R49	IWF24
R50	IWF24
R51	IWF27
RL47	IW24
RL49	IW27
RL51	IW31
RL52	IW34
S3	W24FS-U
S5	W22FS-U
S6	W20FS-U
S6Y	W20FP-U
S6YR	W20FPR-U

MAGNETI MARELLI	DENSO
7LC	Q20P-U
7LC1R	Q20PR-U11
7LCR	Q20PR-U
7LPR	Q20PR-U
8LCR	Q22PR-U
8LDCR	PT16VR13
8LPR	Q22PR-U
AW5C	W20M-US
AW56C	W20M-US
CM3N	M14
CM4N	M17
CM5N	M17
CM6N	M22
CU7N	U20FS-U
CW2C	W9-U
CW2CJ	W9-U
CW3C	W9-U
CW3CJ	W9-U
CW4C	W14-U
CW4CJ	W14-U
CW4CP	W14PR-U
CW4L	W14E
CW4N	W14F-U
CW5C	W16S-U
CW5CP	W16PR-U
CW5L	W16ES-U
CW5LP	W16EP-U
CW5LS	W16ES-U
CW5LSZ	W16ES-U
CW5N	W16FS-U
CW5NJ	W16FS-U
CW5NP	W16FP-U
CW5NR	W16FSR-U
CW5NS	W16FS-U
CW6C	W16S-U
CW6CE	W20M-US
CW6CJ	W16S-U
CW6L	W16ES-U
CW6LP	W16EP-U
CW6LR	W16ESR-U
CW6LS	W16ES-U

MAGNETI MARELLI	DENSO
CW6LSZ	W16ES-U
CW6N	W20FS-U
CW6NE	W20M-US
CW6NJ	W20M-US
CW6NP	W20FP-U
CW6NPR	W20FPR-U
CW6NR	W20FSR-U
CW7C	W20S-U
CW7L	W20ES-U
CW7LCR	Q20PR-U
CW7LJ	W20ES-U
CW7LP	W20EP-U
CW7LPH	W20EP-U
CW7LPR	W20EPR-U
CW7LR	W20ESR-U
CW7N	W20FS-U
CW7NJ	W20FS-U
CW7NP	W20FP-U
CW7NPR	W20FPR-U
CW7NR	W20FSR-U
CW8CJ	W22S-U
CW8L	W22ES-U
CW8LCR	Q22PR-U
CW8LJ	W22ES-U
CW8LPR	W22EPR-U
CW8N	W22FS-U
CW8NP	W22FP-U
CW8NR	W22FSR-U
CW9N	W24FS-U
CW9NJ	W24FS-U
CW10L	W27ES-U
CW10N	W27FS-U
CW11L	W27ES-U
CW12L	IW31
CW12N	W31FS
CW15L	IW34
CW55N	W16FS-U
CW67L	W20ES-U
CW67LP	W20EP-U
CW67NR	W20FSR-U
CW67P	W20EP-U
CW75LP	W20EP-U
CW78L	W20ES-U
CW78LP	W20EP-U
CW78LPR	W20EPR-U
CW101L	W27ES-U
CWC6NJ	W16FS-U
CWC7NJ	W20FS-U
CWC9NJ	W24FS-U
CWC12NJ	W31FS
CWC67NJ	W20FS-U
CWF11L	IW27
CWP7L	IW20
CWP7N	IWF22
CWP8L	IW24
CWP8N	IWF22
CWP9L	IW24
CWP9N	IWF24
CWP10L	IW27
CWP10N	IWF27
CWP11L	IW31
DW4CJ	W14LM-US
DW4CJR	W14LM-U
F4LC	W16EPR-U
F4LCR	W16EPR-U
F6NC	W16FP-U
F6NCR	W16FPR-U
F7CN	W20FS-U
F7LC	W20EP-U
F7LCR	W20EPR-U
F7NC	W20FP-U

MAGNETI MARELLI	DENSO
F7NCR	W20FPR-U
F8LCR	W22EPR-U
F8LDCR	W22EPR-U
F45LCR	W16EPR-U
F45LDCR	W16EPR-U
FC6N	W16FS-U
FC7N	W20FS-U
FL7LCR	W20EPR-U
FL8LCR	W22EPR-U
L7LCD1R	Q20PR-U11
L7LCR	Q20PR-U
L7LDCR	K20PR-U
L7MCR	K20PBR
L8LCR	Q22PR-U
L10BPCPR	IU22
L10CR	XU24EPR-U
L10DCR	XU24EPR-U
SW5C	T20M-U
T7LC	T20EP-U
T7LCR	T20EPR-U
TM2NP	MA16PR-U
TM3NP	MA16PR-U
TW4LP	T16EPR-U
TW7LP	T20EP-U
TW7LPR	T20EPR-U
TW78LP	T20EP-U
TW78LPR	T20EPR-U
TW78NPR	T20PR-U

MARCHAL	DENSO
35	W20FS-U
35/1	W20FP-U
35/1B	W20FP-U
35/1D	W20FP-U
35/36D	W20FP-U
35/36P	W20FP-U
35/36R	W20FP-U
35B	W20FS-U
35C	W20S-U
35CM	W20S-U
35HA	W20EP-U
35HS	W20ES-U
35M	W20FS-U
35P	IWF22
35S	W22FS-U
36	W20FS-U
36B	W16FS-U
36C	W14-U
36CM	W16S-U
36D	W16FS-U
36HS	W16ES-U
36M	W16FS-U
36P	IWF16
37S	W16FS-U
M101	T20EPR-U
M103	W20FP-U
M123	Q20PR-U
M127	W20EPR-U
V6N	W16FS-U
V36A	W16FS-U

MOTORCRAFT	DENSO
1Y0018110	W16EPR-U
1Y0118110	W20EPR-U
1Y0318110	W16EPR-U11
1Y0718110	K20PR-U
1Y0A18110	K20PR-U11
1Y0B18110	K22PR-U11
1Y0F18110	XU22EPR-U
1YR718110	VK20
1YR918110	VK16
1YRA18110	VK20

MOTORCRAFT	DENSO
1YRG18110	VK16
1YRH18110	VK20
A2C	W24S-U
A2NX	W22M-U
A3NX	W22M-U
A3X	W20S-U
A5	W16S-U
A5X	W16S-U
A7	W14-U
A7C	W14-U
A7CLM	W14LM-U
A7CX	W14-U
A7LM	W14LM-U
A7LM	W14LM-US
A7NX	W20M-US
A7X	W14-U
A9	W9-U
A9X	W9-U
A11	W9-U
A11LM	W14LM-U
A11NX	W14M-U
A11X	W9-U
A21X	W24S-U
A42	W16PR-U
A42C	W16PR-U
A42N	W16S-U
A52	W14PR-U
A82	W9PR-U
A82	W9P-U
AE1C	W22FS-U
AE1X	W22FS-U
AE2C	W22FS-U
AE2X	W22FS-U
AE3	W20FS-U
AE3C	W20FS-U
AE3X	W20FS-U
AE4	W16FS-U
AE4X	W16FS-U
AE6	W14F-U
AE22	W22FP-U
AE22C	W20FP-U
AE22C	W22FP-U
AE23	IWF24
AE32	W20FP-U
AE32C	W20FP-U
AE42	W16FP-U
AE42C	W16FP-U
AE091	IWF27
AE901	W24FS-U
AE901X	W24FS-U
AE903	IWF27
AER2X	W22FSR
AER4	W16FSR
AER4X	W16FSR
AER6	W14FR-U
AER22C	W22FPR-U
AER32	W20FPR-U
AES4C	W16FS-U
AF3NX	T22M-U
AF5NX	T20M-U
AG1X	W22ES-U
AG2	W22ES-U
AG2C	W22ES-U
AG2CX	W22ES-U
AG2X	W22ES-U
AG3	W20ES-U
AG3C	W20ES-U
AG3CX	W20ES-U
AG3X	W20ES-U
AG4	W16ES-U
AG5	W16ES-U
AG7	W14E

MOTORCRAFT	DENSO
AG9	W14E
AG23	IW24
AG32	W20EP-U
AG32A	W20EP-U
AG32C	W20EP-U
AG040	IW31
AG42C	W16EP-U
AG071	W27ES-U
AG200	IW34
AG203	IW34
AG303	IW34
AG400	IW31
AG403	IW31
AG600	IW01-27
AG603	IW27
AG603	W27ES-U
AG701	W27ES-U
AG701C	W27ES-U
AG701X	W27ES-U
AG903	IW24
AG903	IW27
AGF22	T20EP-U
AGF22C	T20EP-U
AGFS22C1	T20EP-U
AGFS22FE13J	T20EPR-U
AGFS32C1	T20EP-U
AGP22C	Q20P-U
AGP22CD	Q20P-U
AGPR12C	Q22PR-U
AGPR12P	IK20
AGPR12P1	IK20
AGPR22C	K20PR-U
AGPR22C	Q20PR-U
AGPR22C1	K20PR-U11
AGPR22C1	Q20PR-U11
AGPR22CD	Q20PR-U
AGPR22CD1	Q20PR-U11
AGPR22P	IK20
AGPR22P1	IK20
AGPR32C	K20PR-U
AGPR32C	Q20PR-U
AGPR32C1	K20PR-U11
AGPR32C1	Q20PR-U11
AGPR32CD	Q20PR-U
AGPR32CD1	Q20PR-U11
AGPR601P	IK31
AGPR901C	IK24
AGPR901C1	IK24
AGPR902C	IK24
AGPR902C1	K24PR-U11
AGPR902P	IK22
AGR1C	W22ESR-U
AGR1X	W22ESR-U
AGR2C	W22ESR-U
AGR2X	W22ESR-U
AGR3X	W20ESR-U
AGR12	W24EPR-U
AGR12C	W24EPR-U
AGR21	W20ESR-U
AGR21	W22ESR-U
AGR22	W22EPR-U
AGR22C	W22EPR-U
AGR31	W20ESR-U
AGR32	W20EPR-U
AGR32C	W20EPR-U
AGR41	W16ESR-U
AGR42	W16EPR-U
AGR42C	W16EPR-U
AGR42C	W16EXR-U
AGR44C1	W16EXR-U11
AGR44CU	W16EXR-U
AGR51	W16ESR-U

MOTORCRAFT	DENSO
AGR52	W14EPR-U
AGR52	W14EXR-U
AGR52A	W14EPR-U
AGR82	W14EXR-U
AGR701X	W27ESR
AGR701X	W27ESR-U
AGR803C	W27ES-U
AGR901X	W24ESR-U
AGRF2	T20EPR-U
AGRF12C	T20EPR-U
AGRF22	T20EPR-U
AGRF22C	T20EPR-U
AGRF22C1	T20EPR-U
AGRF22CD	T20EPR-U
AGRF22PP	T20EPR-U
AGRF32	T20EPR-U
AGRF32C1	T16EPR-U
AGRF32C1	T20EPR-U
AGRF42	T16EPR-U
AGRF42C1	T16EPR-U
AGRF52	T16EPR-U
AGRP44	T20EPR-U
AGS1C	W22ESR-U
AGS2C	W22ESR-U
AGS3C	W20ESR-U
AGS4C	W16ESR-U
AGS12C	W22EPR-U
AGS22C	W22EPR-U
AGS32C	W16EXR-U
AGS32C	W16EXR-U11
AGS32C1	W16EXR-U11
AGS42C	W16EXR-U
AGS52C	W14EXR-U
AGS081C	W27ES-U
AGSF22C	T20EPR-U
AGSF24C	T20EPR-U
AGSF24N	T20EPR-U
AGSF32C	T20EPR-U
AGSF33C	T20EPR-U
AGSF34C	T20EPR-U
AGSF34EE	T20EPR-U
AGSF34EEM	T20EPR-U
AGSF34FM	T20EPR-U
AGSF42	T16EPR-U
AGSF52C	T16EPR-U
AGSP22Z11	IK20
AGSP32FP	VK16
AGSP32FSM	VK16
AL5	W16LS
AL5X	W16LS
AL7	W14L
AL7C	W14L
AL7X	W14L
AL9	W14L
AL9X	W14L
AL11	W14L
AL82	W14L
AR5S	W20SR-U
AR31	W20SR-U
AR41	W20SR-U
AR42	W16PR-U
AR52	W14PR-U
AR82	W9PR-U
AR82S	W9PR-U
AR426	W16PR-U
AR526	W14PR-U
AR826	W9PR-U
AR828	W9PR-U
ARF22	T20PR-U
ARF22C	T20PR-U
ARF32	T20PR-U
ARF32M	T20PR-U

MOTORCRAFT	DENSO
ARF42	T16PR-U
ARF52	T16PR-U
ARF62	T14PR-U
ARL5	W16LS
ARL8	W14L
ARL82	W14L
AS4C	W20SR-U
AS52C	W16PR-U
AS827	W14PR-U
ASF3C	T20PR-U
ASF4C	T16PR-U
ASF32	T20PR-U
ASF32C	T20PR-U
ASF32CM	T20PR-U
ASF32M	T20PR-U
ASF42	T16PR-U
ASF42C	T16PR-U
ASF42C7	T16PR-U
ASF42P	ITF16
ASF42P	T16PR-U
ASF52	T16PR-U
ASF52C	T16PR-U
AT2	W24S-U
AT3	W20S-U
AT4	W16S-U
AT6	W14-U
AT8	W14-U
AT10	W9-U
AT42	W14-U
AT42	W16PR-U
ATL3	W16LS
ATL4	W16LS
ATL8	W14L
AV1X	W22FS-U
AV2X	W20FS-U
AV4	W16FS-U
AV6	W14F-U
AV23	IWF24
AV603	IWF27
AV901X	W27FS-U
AV903	IWF24
AV903	W24FS-U
AWRF32	T20EPR-U
AWRF42	T16EPR-U
AWSF22C	T20EPR-U
AWSF22E	T20EPR-U
AWSF32	T20EPR-U
AWSF32C	T20EPR-U
AWSF42	T16EPR-U
AWSF42C	T16EPR-U
AWSF42P	T16EPR-U
AWSF52	T16EPR-U
AWSF52C	T16EPR-U
AWSF62	T16EPR-U
AWSFA32C	T20EPR-U
AYFS22FPM	PT16VR13
AYFS22PP	PT16VR13
AYFS22PP1	PT16VR13
AYRF22PG1	PT16VR13
AYRF22PP	PT16VR13
AZ2	W24S-U
AZ3	W20S-U
AZ7	W9-U
AZ9	W9-U
AZFS22FE	PT16VR13
AZFS22PP	PT16VR13
AZFS32F	PT16VR13
AZFS32FE	PT16VR13
B2W	M24S
B3W	M22
B3X	M22
B4X	M22

MOTORCRAFT	DENSO
B6W	M17
B8X	L14-U
B82	L14-U
BF8Z	L14-U
BF42	MA16PR-U
BF42C	MA16PR-U
BF82	MA16PR-U
BF82C	MA16PR-U
BR8	L14-U
BRF3M	MA20PR-U
BRF6	MA16PR-U
BRF22	MA20PR-U
BRF22C	MA20PR-U
BRF22CX	MA20PR-U
BRF22X	MA20PR-U
BRF31	MA20PR-U
BRF32	MA20PR-U
BRF32C	MA20PR-U
BRF32C1	MA20PR-U
BRF32X	MA20PR-U
BRF42	MA16PR-U
BRF82	MA16PR-U
BRF314	MA20PR-U
BSF3	MA20PR-U
BSF6	MA16PR-U
BSF31	MA20PR-U
BSF42	MA16PR-U
BSF42C	MA16PR-U
BSF44C	MA20PR-U
BSF44P	MA20PR-U
BSF82	MA16PR-U
BSF82C	MA16PR-U
BSF314	MA20PR-U
BT2	M24S
BT3	M22
BT4	M22
BT6	M17
BT8	L14-U
BT8	M14
BT9	L14-U
BT9	M14
BT10	L14-U
BT15	L14-U
BTF3	MA20PR-U
BTF6	MA16PR-U
BTF31	MA20PR-U
BTF42	MA16PR-U
BTRF42	MA16PR-U
BTS8	L14-U
BZ8	L14-U
HGS22C	X24EPR-U9
HV2	X24FS-U
HV2C	X24FS-U
PV3	U20FS-U

NGK	DENSO
1	T20EP-U
3	W20EP-U
5	Q20PR-U11
6	Q20P-U
7	Q20PR-U
8	T20EPR-U
9	W20EPR-U
10	W20EPR-U11
11	Q16PR-U
12	PT16VR13
20	K20PR-U
21	W16EPR-U
22	W16EP-U
23	K20PR-U11
29	J16CR-U
1010	M17

NGK	DENSO
1029	W20MPR-U10
1030	IX24B
1047	W24FPR
1048	T16EPR-U
1052	W20FS-U
1059	IXU01-31
1063	IW01-32
1068	X20EPR-U9
1069	IQ20
1071	MA20PR-U
1080	Q20P-U11
1090	W20FSR-U
1092	W22FPR-U
1093	W22FP-U10
1097	W14E
1098	W22FSR
1110	M22
1111	W22ES-U
1125	IW22
1127	T14PR-U
1142	W22EPR-U
1145	Q16PR-U
1147	W9LM-US
1155	IW01-32
1179	IXU22
1180	W16EPR-U11
1183	T20EPR-U
1210	M24S
1228	W14LM-US
1230	IX27B
1262	IW24
1265	IW27
1269	Q20PR-U
1270	T20MP-U
1272	Q22PR-U
1275	U24ESR-N
1283	K22PR-U11
1297	Q20PR-U
1299	X31ETR
2023	W22EPR-U
2027	W20M-US
2042	T20EP-U
2046	IW01-24
2056	Q22PR-U
2075	K20PBR
2077	IW01-32
2086	U24FSR-U
2095	K22TNR-S
2108	W27ES-U
2128	W14EXR-U
2130	IX22B
2142	U27FER9
2144	T20M-U
2145	IW29
2150	IW01-24
2152	IXU01-27
2153	IW01-27
2158	IW27
2164	K22PBR-S
2170	X27ETR
2176	IW01-27
2184	IW31
2193	U22FER9
2197	K20PBR
2199	IW31
2202	IX24B
2204	X27ESR-U
2210	MA20PR-U
2223	T16EPR-U
2230	T14PR-U
2242	IX27
2251	IQ20

NGK	DENSO
2254	IWF27
2264	W9EXR-U
2265	IXU24
2268	W20EPR-U
2285	W16EP-U
2296	PT16VR13
2311	W22ES-U
2319	W20S-U
2330	Q20PR-U
2360	U31ETR
2364	W16EP-U
2387	K22PR-U11
2396	IW01-32
2399	W31FS
2409	U14FSR-UB
2417	W20FS-U
2421	W22FS-U
2423	T16PR-U
2430	U14FSR-UB
2434	IWM27
2443	J16CR-U
2457	IW31
2467	PT16VR13
2528	W22ES-U
2547	T20EPR-U
2556	X24ESR-U
2563	IK20
2610	MA16PR-U
2611	W27ES-U
2621	IWF24
2623	T20PR-U
2633	W20FPR-U10
2634	IWF24
2637	W16PR-U
2641	XU27EPR-U
2659	IW01-31
2671	IW24
2672	IUF24
2680	W20M-US
2697	IWM01-32
2721	IWF27
2734	IX22
2738	IW16
2740	IWF22
2741	IW01-32
2751	W14FR-L
2755	W20EPR-U
2756	K20PR-U11
2777	IW01-24
2781	IK24
2792	W22FS-U
2813	IW01-32
2821	IW24
2825	IX22
2828	W16EXR-U
2834	IX27
2842	IX22B
2850	IX24
2871	X27ESR-U
2872	IX24B
2877	W22ES-U
2880	IW01-24
2887	X16EPR-U9
2910	MW17
2911	W14PR-U
2922	MA20PR-U
2923	X24ESR-U
2933	IX24B
2938	IWF22
2941	J16CR-U
2946	RU01-31
2954	IW01-27

NGK	DENSO
2963	W20MP-U
2983	U20FSR-U
2990	W16PR-U
3001	IW01-24
3010	M22
3011	W16PR-U
3014	W24FS-U
3020	M14
3025	IX24
3028	W16EXR-U11
3035	W24EMR-C
3061	IU24
3110	W9-U
3112	W14L
3122	MA16PR-U
3123	X22ESR-U
3130	W24ESR-V
3132	Q20PR-U11
3133	W24FPR-U10
3146	X22EPR-U9
3153	W16EXR-U
3154	W16EPR-U11
3161	IU24
3169	IK24
3177	T20EPR-U
3180	W24FPR-U10
3181	X16EPR-U9
3188	X27ETR
3194	W27ESR
3210	W14-U
3211	W9FP-UL
3212	W16LS
3228	U20FS-U
3230	W27ESR-V
3236	IW01-24
3239	W16EPR-U
3245	IW01-27
3252	W27EMR-C
3256	IU27
3261	IW01-32
3280	IU01-31
3312	W20ES-U
3322	W14FR-U
3323	MA20PR-U
3330	Q22PR-U
3331	IX27B
3334	IWM01-32
3335	IW24
3340	IXU01-27
3360	IU27
3410	W14LM-US
3419	IWF22
3437	X27ESR-U
3472	IXU01-31
3478	U24ETR
3481	XU20EPR-U
3483	X24EPR-U9
3486	U22FER9
3510	W20S-U
3521	IU27
3522	W20SR-U
3525	IW31
3539	IK20
3540	IK20
3544	IK22
3568	W14MR-U
3570	IW27
3579	W22FSR
3623	T20EPR-U
3625	IW24
3630	IW31
3639	W24ESR-U

NGK	DENSO
3641	IXU22
3650	IK24
3710	W22S-U
3712	T16EPR-U
3717	X27EPR-U9
3722	W16FSR
3724	W16ESR-U
3725	W24FPR
3753	IQ20
3764	IK20
3781	W16EP-U
3783	K20PR-U
3797	IUH24
3810	W24S-U
3812	T20EP-U
3823	W24FPR-U10
3824	W20ESR-U
3825	IW27
3830	IW31
3836	IW01-31
3850	W20MR-U
3854	IX27B
3872	IU27
3914	IWF27
3922	W20FSR-U
3923	W24EPR-U
3932	XU22EPR-U
3935	IW01-27
3943	IU24
3949	IW01-32
3961	W24ESR
3972	IW24
3975	W20FP-U
3981	IW27
3988	W27ESR-U
4011	Y24FER-C
4016	IWF27
4042	U20FSR-U
4046	Q20P-U
4055	IW22
4076	IW01-32
4079	T20PR-U
4085	IWF22
4110	W14F-U
4111	W16FP-U
4114	W20MPR-U10
4122	W22FSR
4129	W14E
4133	W14LM-U
4150	IU01-31
4179	XU24EPR-U
4200	W20FSR-U
4210	W16FS-U
4216	RU01-31
4218	IU24
4226	W22M-U
4233	IW20
4234	IWM31
4254	IU01-31
4259	IU22
4296	W20FR-L
4297	X27ETR
4319	IXU01-27
4322	W24FSR
4339	XU24EPR-U
4345	W22MPR-U
4392	T16EPR-U
4415	XU22EPR-U
4418	IXU01-27
4424	W16EPR-U11
4425	IWF24
4430	X24GPR-U

NGK	DENSO
4450	IU24
4452	W9LMR-US
4457	IW01-31
4461	W20FR-L
4492	IW01-24
4495	W24FPR-U10
4509	U22ESR-N
4510	W20FS-U
4511	W20FP-U
4517	IK02-31
4522	W27FSR
4525	IW24
4533	IUF22
4546	IU24
4547	IU31
4548	U27ETR
4549	U22FSR-U
4551	W27FSR-U10
4553	W20FPR-U
4562	W20MP-U
4563	K20PBR
4578	U22ESR-N
4618	W9LMR-US
4619	K20PR-U
4623	X16FSR-U
4626	W22MPR-U
4630	X27GPR-U
4632	W20FR-L
4635	IWF22
4665	T20EPR-U
4666	T20EP-U
4669	W16EP-U
4675	IU27
4684	W31ESR-U
4685	IK22
4691	W16EP-U
4695	U14FSR-UB
4707	IK27C11
4709	IK27C11
4712	U20FS-U
4722	W16ESR-U
4725	IW27
4728	IW16
4730	X24GPR-U
4735	IXU01-27
4737	W22FSR
4741	IW01-27
4762	T16PR-U
4772	IX27
4778	IUF31A
4783	Q16PR-U
4795	XU22EPR-U
4823	X20FSR-U
4824	W20EPR-U11
4830	X27GPR-U
4832	W31ESR-U
4838	W24FPR-U10
4839	W24FPR-U10
4854	U24ESR-N
4856	K20PR-U
4875	IW16
4876	K20PR-U
4915	W24FSR
4919	IQ20
4922	W20ESR-U
4929	X24EPR-U9
4930	Q20P-U
4940	IU01-31
4973	ITF16
5006	U27ESR-N
5011	W14FP-UL10
5024	W14FPR-U

NGK	DENSO
5039	W20EP-U
5044	IW24
5098	W14FPR-UL
5109	IK02-31
5110	W22FS-U
5111	W22FP-U
5122	W22ESR-U
5123	X24FS-U
5127	IW31
5129	X22EPR-U9
5135	K20PBR
5136	IW20
5153	IW01-27
5157	IW24
5170	W24EPR-U
5196	IW01-27
5201	K22TNR-S
5219	U24FER9
5224	IW01-31
5256	W20MPR-U10
5281	IXU01-31
5282	Q20PR-U11
5329	X27EPR-U9
5339	W20EPR-U11
5343	W20FPR-U
5389	IW01-31
5422	W24ESR-U
5423	X27ESR-U
5430	IK24
5442	IW01-24
5454	U27FER9
5470	IW16
5492	IXU27
5497	IU01-24
5510	W24FS-U
5531	X20EPR-U9
5539	W24FR-L
5541	W22FPR-U
5545	IX27B
5553	K20PR-U11
5565	IW22
5573	IW24
5583	IW01-27
5600	U27ETR
5623	W14EXR-U
5627	IW24
5628	W14M-U
5631	IX27B
5637	W20EP-U
5638	W16EPR-U11
5666	U24FER9
5673	IW01-24
5692	XU24EPR-U
5722	W27ESR-U
5728	W14MR-U
5798	W9LMR-US
5810	W27FS-U
5813	IK02-31
5823	W16EXR-U
5824	IWF22
5827	IW27
5832	IW20
5839	J16CR-U
5851	IU24
5860	Q20P-U
5869	Y27FER-C
5880	IW31
5881	K22TNR-S
5921	W20M-US
5924	IWF24
5927	IW31
5928	W14MP-U10

NGK	DENSO
5943	IU27
5944	IWF22
5950	T20MP-U
6028	W14MPR-U10
6078	T20EPR-U
6124	IWF27
6129	Q20PR-U
6130	Q16PR-U
6193	X27ETR
6212	X16FSR-U
6216	IUH27
6221	T20M-U
6222	W16FPR-U
6223	W16EXR-U11
6236	K22TNR-S
6237	Q20P-U
6262	Q20PR-U11
6263	U27ESR-N
6264	U31ESR-N
6265	IWF24
6321	W22M-U
6323	IQ20
6324	IW16
6328	W14MPR-U10
6354	IX24
6361	IX27
6410	W16ES-U
6418	IK20
6419	IUH27
6421	T22M-U
6422	W22FPR-U
6424	IW20
6436	IXU27
6452	U16FSR-UB
6464	W20EPR-U
6465	K20PR-U11
6466	T20EP-U
6487	IU24
6488	T20EP-U
6511	W16EP-U
6521	W22M-U
6526	W9EXR-U
6535	U16FSR-UB
6548	U31ESR-N
6549	IW01-24
6587	K24PR-U11
6597	IW16
6637	IW20
6681	IX24
6715	W24FSR
6724	IW24
6726	W20MPR-U10
6729	W24FPR-U10
6742	IWF24
6764	IW20
6801	IW31
6824	IW24
6837	T20EPR-U
6838	IK20
6887	IW01-24
6934	IW24
6955	U27ESR-NB
6962	K20PR-U
6965	U20ESR-N
6985	IU24A
6988	IK22
7001	IWF24
7003	IW16
7004	U22ETR
7021	W20MP-U
7022	W20FPR-U
7023	U20FSR-U

NGK	DENSO
7026	IW20
7035	IW01-27
7038	W14EXR-U
7051	IW24
7055	W16PR-U
7058	W27ES-U
7067	IWF22
7075	W16EPR-U
7112	X24FS-U
7121	Q20PR-U11
7124	IW27
7141	IK20
7148	W27ES-U
7162	X24ESR-U
7168	XU24EPR-U
7177	ITF16
7210	Q20P-U11
7214	IW16
7222	W14EPR-U
7223	U22FSR-U
7236	IUF24
7237	IX24
7254	IW27
7265	W22EPR-U
7270	IW22
7272	ITF16
7274	IUF22
7281	W16EPR-U
7310	W20ES-U
7311	W16EP-U11
7324	IW31
7335	IW31
7340	K20PR-U11
7345	J16CR-U
7354	K22TNR-S
7361	IQ20
7383	IWF24
7385	IU22
7400	RU01-31
7401	ITF16
7411	N24EXRB
7421	W20MR-U
7422	W16EPR-U
7423	U24FSR-U
7426	W16FP-U
7435	IWF22
7437	IX24B
7443	W20MP-U
7444	X31ETR
7451	IW01-24
7452	IXU01-31
7453	IW01-31
7455	IW01-27
7466	IW24
7468	IWF22
7484	IX27
7487	IW22
7490	IW27
7496	Q16PR-U
7497	W22M-U
7498	IW27
7502	U27FER9
7524	IW16
7526	IW27
7529	W20EP-U
7537	W16EXR-U
7544	IUF22
7546	U22ETR
7548	W27ESR
7559	ITF16
7586	PT16VR13
7598	IW27

NGK	DENSO
7613	W31ESR-U
7626	W9FP-UL
7639	W20EP-U
7641	IU01-31
7659	K20TNR-S9
7669	IUF24
7677	W9LMR-US
7680	IW31
7682	IX22B
7684	IU24A
7697	W24FS-U
7763	IW01-27
7784	U24ESR-NB
7785	IU27A
7788	W27ESR-U
7789	IXU22
7791	IU01-24
7803	IX22B
7811	W20EP-U
7822	W20EPR-U
7823	W14FPR-U
7824	IW20
7829	W22FP-U10
7836	IWF22
7837	T20EPR-U
7839	X22ESR-U
7852	W22FSR
7870	IXU24
7873	K22PBR-S
7910	W20ES-U
7926	W9FP-UL
7937	W24FPR
7986	W24ESR-U
8013	IWF24
8027	IXU27
A5FS	MA16PR-U
A6	M17
A6FS	MA20PR-U
A7	M22
A8	M24S
AB2	M14
AB6	MW17
AB7	M22
AP5FS	MA16PR-U
APR5FS	MA16PR-U
APR6F	MA20PR-U
APR6FS	MA20PR-U
APR6FVG4	MA20PR-U
AR5FS	MA16PR-U
AR6	L14-U
AR6FS	MA20PR-U
AR6FS11	MA20PR-U
B2	W9-U
B2LM	W9LM-US
B2LMY	W9LM-US
B4	W14-U
B4ES	W14E
B4H	W14F-U
B4H10	W14F-U
B4HS	W14F-U
B4L	W14L
B4LM	W14LM-U
B4LM	W14LM-US
B4LMY	W14LM-U
B5EB	W16ESR-U
B5EB	W16ES-U
B5EB11	W16ESR-U
B5ES	W16ES-U
B5ES11	W16ES-U
B5EV	IW16
B5HS	W16FS-U
B5HS15	W16FS-U

NGK	DENSO
B5S	W16S-U
B6EB	W20ES-U
B6EB11	W20ESR-U
B6ECS	W20ES-U
B6EFS	T20EP-U
B6ES	W20ES-U
B6ES11	W20ES-U
B6EV	IW20
B6EVX	IW20
B6HS	W20FS-U
B6HS10	W20FS-U
B6HSA	W20FR-L
B6HSA	W20FS-U
B6HV	IWF22
B6HVX	IWF22
B6L	W16LS
B6LY	W16LS
B6S	W20S-U
B6Y	W20S-U
B7EB	W22ESR-U
B7EB11	W22ESR-U
B7ECS	W22ES-U
B7EG	IW24
B7ES	W22ES-U
B7ES11	W22ES-U
B7EV	IW24
B7EV	W22ES-U
B7EVX	IW24
B7EVX	W22ES-U
B7HCS	W22FS-U
B7HS	W22FS-U
B7HV	IWF22
B7HVX	IWF22
B7S	W22S-U
B8EGP	IW01-24
B8EGV	IW24
B8EN	IW24
B8EP	IW24
B8EV	IW24
B8HCS	IWF24
B8HCS	W24FS-U
B8HCS10	IWF24
B8HS	W24FS-U
B8HSA	W24FR-L
B8HV	IWF24
B8HVX	IWF24
B8S	W24S-U
B8X	L14-U
B9ECS	IW27
B9ECS	W27ES-U
B9EG	IW27
B9EGP	IW27
B9EGV	IW27
B9EN	IW27
B9EP	IW27
B9ES	W27ES-U
B9EV	IW27
B9EVX	IW27
B9HCS	IWF27
B9HCV	IWF27
B9HN	IWF27
B9HP	IWF27
B9HS	W27FS-U
B9HV	IWF27
B9HVX	IWF27
B10ECS	IW31
B10EG	IW31
B10EGP	IW01-31
B10EGP	IW31
B10EGV	IW31
B10EN	IW31

NGK	DENSO
BPR9EIX	IW27
BPR9ES	W27ESR
BPR9ES	W27ESR-U
BPR9EV	IW27
BPR9EVX	IW27
BPR10EV	IW31
BPR10EVX	IW31
BPZ7HS10	W22FPR-U
BPZ7HS10	W22FP-U10
BPZ8HN10	W24FPR-U10
BPZ8HN-10	W24FPR-U10
BPZ8HS10	W24FPR-U10
BPZ8HS15	W24FPR-U10
BR2LM	W9LMR-US
BR4ES	W14E
BR4HS	W14FR-U
BR4HSA	W14FR-L
BR4LM	W14LM-U
BR5EB	W16ESR-U
BR5EB11	W16ESR-U
BR5EF	T16EPR-U
BR5ES	W16ESR-U
BR5ES11	W16ESR-U
BR5HS	W16FSR
BR6EB	W20ESR-U
BR6EB11	W20ESR-U
BR6EBL	W20ESR-U
BR6EF	T20EPR-U
BR6EFS	T20EPR-U
BR6ES	W20ESR-U
BR6ES11	W20ESR-U
BR6HIX	IWF22
BR6HS	W20FSR-U
BR6HS10	W20FSR-U
BR6HSA	W20FR-L
BR6S	W20SR-U
BR7EB	W22ESR-U
BR7EB11	W22ESR-U
BR7EG	W22ESR-U
BR7ES	W22ESR-U
BR7ES11	W22ESR-U
BR7HIX	IWF22
BR7HS	W22FSR
BR7HS10	W22FSR
BR8E1X	IW24
BR8ECM	W24EMR-C
BR8ECMIX	IWM24
BR8ECS	W24ESR-U
BR8ECSIX	IW01-24
BR8EG	W24ESR-V
BR8EIX	IW24
BR8ES	W24ESR-U
BR8ES11	W24ESR-U
BR8EV	IW24
BR8EVX	IW24
BR8HCS10	IWF24
BR8HIX	IWF24
BR8HS	W24FSR
BR8HSA	W24FR-L
BR8HV	IWF24
BR8HVX	IWF24
BR9E1X	IW27
BR9ECM	W27EMR-C
BR9ECMIX	IWM27
BR9ECMVX	IWM27
BR9ECS	W27ESR
BR9ECS	W27ESR-U
BR9ECSIX	IW01-27
BR9ECSIX5	IW01-27
BR9EG	W27ESR-V
BR9EGN8	W27ESR-V
BR9EGV	IW27

NGK	DENSO
BR9EIX	IW27
BR9ES	W27ESR
BR9ES	W27ESR-U
BR9EV	IW27
BR9EVX	IW27
BR9EYA	W27ESR
BR9EYA	W27ESR-U
BR9HIX	IWF27
BR9HS	W27FSR
BR9HS10	W27FSR-U10
BR9HVX	IWF27
BR10ECM	IWM31
BR10ECMIX	IWM31
BR10ECMVX	IW31
BR10ECMVX	IWM31
BR10ECS	IW31
BR10ECS	W31ESR-U
BR10EG	IW31
BR10EGV	IW31
BR10EIX	IW31
BR10ES	W31ESR-U
BR10EV	IW31
BR10EVX	IW31
BR10EYA	W31ESR-U
BU6EFSZ	T20EP-U
BU8H	W24FS-U
BUR5EA11	W16EPR-U11
BUR6EBVX11	IW20
BUR6EFSZ	T20EPR-U
BUZ8H	W24FS-U
BZ7HS10	W22FSR
BZ8ES	W24ESR-U
BZ9EV	IW27
C2H	U14FSR-UB
C4H	U14FSR-UB
C4HA	U14FSR-UB
C4HSA	U14FSR-UB
C4HSB	U14FSR-UB
C6H	U20FS-U
C6HA	U20FS-U
C6HSA	U20FS-U
C7EH9	U22FER9
C7HV	IUF22
C7HVX	IUF22
C8EH9	U24FER9
C8EHVX9	IU24
C8EHVX9	IUH24
C8EVX	IU24
C8HV	IUF24
C8HVX	IUF24
C9E	U27ESR-N
C9EH9	U27FER9
C9EHVX9	IU27
C9EHVX9	IUH27
C9EVX	IU27
C9H	IUF27A
C10EH9	U31ESR-N
C10H	IUF31A
CPR6EA9	U20EPR9
CPR6EB9	IU20
CPR7EA9	U22EPR9
CPR7EAIX9	IU24A
CPR8E	N24EXRB
CPR8EA9	U24EPR9
CPR8EB9	IU24
CPR8EB9	U24ESR-N
CPR9EA9	U27ESR-N
CPR9EB9	IU27
CR4HSA	U14FSR-UB
CR4HSB	U14FSR-UB
CR5HSB	U16FSR-UB
CR5HSB9	U16FSR-UB

NGK	DENSO
CR6E	U20ESR-N
CR6EB	U20ESR-N
CR6EIA9	IU20
CR6HIX	IUF22
CR6HS	U20FSR-U
CR6HSA	U20FSR-U
CR7E	U22ESR-N
CR7EB	IU22
CR7EB	U22ESR-N
CR7EH9	U22FER9
CR7EIA9	IU22
CR7EIX	IU22
CR7EK	U22ETR
CR7EKB	IU24A
CR7EKB	U22ETR
CR7EKC	U22ETR
CR7HIX	IUF22
CR7HS	U22FSR-U
CR7HSA	U22FSR-U
CR7HVX	IUF22
CR7RK	U22ETR
CR8E	U24ESR-N
CR8EB	U24ESR-NB
CR8EH9	U24FER9
CR8EHIX9	IUH24
CR8EHVX9	IU24
CR8EHVX9	IUH24
CR8EIA	IU24
CR8EIA10	IU24
CR8EIB	IU24
CR8EIB	IU24A
CR8EIB10	IU24
CR8EIB10	IU24A
CR8EIX	IU24
CR8EK	U24ETR
CR8EKB	IU24A
CR8EKB	U24ETR
CR8EKPA	IU24A
CR8EVX	IU24
CR8HIX	IUF24
CR8HS	U24FSR-U
CR8HSA	U24FSR-U
CR8HVX	IUF24
CR8RK	U24ETR
CR9E	U27ESR-N
CR9EB	U27ESR-NB
CR9EH9	U27FER9
CR9EH9S	IUH27
CR9EHIX9	IUH27
CR9EHIX9	IUH27
CR9EHVX9	IU27
CR9EHVX9	IUH27
CR9EIA9	IU27D
CR9EIX	IU27
CR9EIX9	IU27
CR9EK	U27ETR
CR9EKB	IU27A
CR9EKB	U27ETR
CR9EKPA	IU27A
CR9EVX	IU27
CR9HIX	IUF27A
CR10E	U31ESR-N
CR10EH9	U31ESR-N
CR10EIA9	IU31
CR10EK	U31ETR
CS1	W9LM-US
CS2	W20M-US
CS3	W20S-U
CS4	W14LM-U
CS4	W14LM-US
CS5	W14M-U

NGK	DENSO
D5HS	X16FSR-U
D7EV	IX22
D7EVX	IX22
D8EV	IX24
D8EVX	IX24
D8HA	X24FS-U
D8HS	X24FS-U
D9EV	IX27
D9EVX	IX27
D10EV	IXU01-31
DCP6E	XU20EPR-U
DCP7E	XU22EPR-U
DCP7EVX	IXU22
DCP8E	XU24EPR-U
DCP8EVX	IXU24
DCPR6E	XU20EPR-U
DCPR6EIX	IU22
DCPR6ES	XU20EPR-U
DCPR7E	XU22EPR-U
DCPR7EIX	IXU22
DCPR7EIXP	IXU22
DCPR7EN	XU22EPR-U
DCPR7EN10	XU22EPR-U
DCPR7ES	XU22EPR-U
DCPR7EVX	IXU22
DCPR8E	XU24EPR-U
DCPR8EIX	IXU24
DCPR8EKC	XU24EPR-U
DCPR8EKP	IXU24
DCPR8EN	XU24EPR-U
DCPR8EVX	IXU24
DCPR9E	XU27EPR-U
DCPR9EIX	IXU27
DCPR9EVX	IXU27
DCR7EIX	IXU22
DCR8EIX	IXU24
DCR9EIX	IXU27
DILKAR7B11	VFXEH22
DILKAR7C9H	VFXEH22
DILKAR7D11H	VFXEH22
DIMR8A10	IU24
DP5EA9	X16EPR-U9
DP6EA9	X20EPR-U9
DP7EV9	IX22B
DP8EV9	IX24B
DP8EVX9	IX24B
DP8Z	X24GPR-U
DP9EV9	IX27B
DP9EVX9	IX27B
DP9Z	X27GPR-U
DPR5EA9	X16EPR-U9
DPR6EA9	X20EPR-U9
DPR6EB9	IX22B
DPR7EA9	X22EPR-U9
DPR7EIX9	IX22B
DPR7EV9	IX22B
DPR7EVX9	IX22B
DPR8EA9	X24EPR-U9
DPR8EIX9	IX24B
DPR8EV9	IX24B
DPR8EVX9	IX24B
DPR8Z	X24GPR-U
DPR8ZIX	IXG24
DPR9EA9	X27EPR-U9
DPR9EIX9	IX27B
DPR9EV9	IX27B
DPR9EVX9	IX27B
DPR9Z	X27GPR-U
DR5HS	X16FSR-U
DR6HS	X20FSR-U
DR7EA	X22ESR-U
DR7ES	X22ESR-U

NGK	DENSO
DR8EA	X24ESR-U
DR8EB	IX24
DR8EB	X24ESR-U
DR8EIX	IX24
DR8ES	X24ESR-U
DR8ES	X27ESR-U
DR8ESL	X24ESR-U
DR8EVX	IX24
DR8HS	X24FS-U
DR9EA	X27ESR-U
DR9EIX	IX27
DR9ES	X27ESR-U
DR9EVX	IX27
ER8EH	Y24FER-C
ER8EHX	IY24
ER8EHN	Y24FER-C
ER9EH	Y27FER-C
ER9EH6N	Y27FER-C
ER9EHX	IY27
FR5	K20PR-U
FR6BP11	IK20
FR6CI11G	IK20
FR6DI11G	IQ20
FR7AID	IK22
FR7AP10	IK22
FR7BI11	IK22
FR9BI11	IK27C11
GR4	W14EXR-U
GR4IX	IW16
GR5	W16EXR-U
GR5A10	IW16
GR5IX	IW16
GR5VX	IW16
GR6A10	IW20
IFR5D10	VK16
IFR5J11	VK16
IFR5L11	VK16
IFR5N	VK16
IFR5N10	VK16
IFR6D10	VK20
IFR6E11	VK20
IFR6L11	VK20
IFR7F6D	IK22
IFR7F6D	VK22
IFR7F8D	VK22
IFR7F8J	VK22
IFR7FD	IK22
IFR7FD	VK22
IFR7FJ8	IK22
IFR7L11	VK22
IFR7U	VK22
IFR8H11	VK24PR-Z11
IFR8L11	VK24PR-Z11
IFR9H11	VK27PR-Z11
IFR9L11	VK27PR-Z11
IGR5B10D	IW16
IGR6B10D	IW20
IJR8B9	IX24B
IKR9F8	IXU27
ILZKAR7A	VFXEH22
ILZKAR7B11	VFXEH22
IMR8A9H	IUH24
IMR8C9H	VUH24D
IMR9A9H	IUH27
IMR9A9H	IUH27D
IMR9B9H	VNH27Z
IMR9C9H	VUH27D
IMR9C9HE	VUH27D
IMR9C9HES	VUH27ES
IMR9D9H	VNH27Z
IRIMAC8	IXU24
IRIMAC9	IXU27

NGK	DENSO
IRIWAY 7	IK22
IRIWAY7	IK22
IRIWAY 8	IK24
IRIWAY8	IK24
IZFR6F11	VKJ20RZ-M11
IZFR6H11	VK20
IZKR6B10E	IXU22
IZKR7A	IXU22
J9A	X27ETR
J9B	X27ETR
J10A	X31ETR
J10B	X31ETR
JR8B	IX24
JR8C	IX24
JR9A	X27ETR
JR9B	X27ETR
JR9C	X27ETR
JR10A	X31ETR
JR10B	X31ETR
JR10C	X31ETR
KR6A10	XU20EPR-U
KR7AI	IXU22
KR8AI	IXU24
KR8BI	IXU24
KR9CI	IXU27
L8A	U24FSR-U
LPG1	VK20
LPG6	VK20
LR8A	U24FSR-U
LR8B	IUF24
PFR5L13	VK16
PFR7B11	VK22
PFR7B4D	VK22
PFR7B9	VK22
PFR7BD	VK22
PFR7G11	VK22
PFR7H10	VK22
PFR7S8EG	IK22
PFR7WT	IK22
PFR7ZTG	IK22
PFR8B	IK24
PFR8B9	IK24
PJ7A	IX22B
PJR7A	IX22B
PJR8A	IX24B
PKR7A	IXU22
PKR9B	IXU27
PMR7A	IU22
PMR8A	IU24
PMR8B	IU24
PMR8CH	IU24
PMR9B	IU27
PTR5A13	PT16VR13
R018G8	IU24
R0045G10	RU01-31
R0045J10	RU01-31
R0045Q10	RU01-31
R0158	IU27
R0159	IU31
R0168	IU01-24
R0177	U22ETR
R0178	IU24A
R0179	IU27A
R0200G10	RU01-31
R0256B10	IU01-31
R0256R10	IU01-31
R0310B10	RU01-31
R0373A10	IU01-31
R0375A10	IU01-31
R0379A10	IU01-31
R0406A8	IU01-24
R0409B10	IU01-31

NGK	DENSO
R0409B8	IU01-24
R01510	IU31
R01610	IU01-31
R01619	IUF27A
R01710	IU31A
R01785	IU27
R2169	IXU01-27
R2179	IX27
R2189	IX27B
R4118S10	IW01-31
R4118S10	IW31
R4118S105	IW01-32
R4118S11	IW34
R4118S7	IW22
R4118S7	IW24
R4118S75	IW01-24
R4118S8	IW01-24
R4118S8	IW24
R4118S85	IW01-27
R4118S9	IW01-27
R4118S9	IW27
R4118S95	IW29
R4304A10	IW31
R4304A7	IW22
R4304A8	IW24
R4304A9	IW27
R4452D10	IW31
R4452D105	IW01-32
R4452D11	IW34
R4452D8	IW24
R4452D85	IW24
R4452D9	IW27
R4452D95	IW29
R4630A10	IW01-31
R4630A105	IW01-32
R4630A8	IW01-24
R4630A9	IW01-27
R5540F105	IWM01-32
R5671A10	IK31
R5671A11	IK34
R5671A7	IK22
R5671A8	IK24
R5672A10	IK31
R5672A8	IK24
R6021E10	IW31
R6021E105	IW01-32
R6021E105	IW34
R6021E11	IW34
R6021E7	IW22
R6021E7	IW24
R6021E75	IW24
R6021E8	IW24
R6021E85	IW27
R6021E9	IW27
R6021E95	IW29
R6179A105P	IWM01-32
R6198C9	IW01-27
R6252E10	IW01-31
R6252E105	IW01-32
R6252E9	IW01-27
R6252K105	IW01-32
R6254E105	IW01-32
R6254E8	IW01-24
R6254E9	IW01-27
R6254K105	IW01-32
R6255(F)10	IK31
R6255(F)7	IK22
R6255(F)8	IK24
R6385A105P	IW01-32
R6918B10	IW01-31
R6918B7	IW24
R6918 B8	IW01-24

NGK	DENSO
R6918B8	IW01-24
R6918 B9	IW01-27
R6918B9	IW01-27
R6918C9	IW01-27
R016110	IUF31A
R21610	IXU01-31
R21710	IXU01-31
R21810	IXU01-31
R22709	IXU01-27
R24309	IXU01-27
R25259	IXU01-27
R43398	IW24
R43399	IW27
R46528	IW24
R46529	IW27
R55257	IWF22
R55258	IWF24
R55259	IWF27
R55309	IWF27
R56705	W16PR-U
R56707	W22S-U
R56708	W24S-U
R56717	W22ES-U
R56719	W27ES-U
R56728	IW24
R56729	IW27
R60619	IW01-27
R62557	IK22
R62558	IK24
R63267	IK22
R63268	IK24
R63858P	IW01-24
R63859P	IW01-27
R64277	IK22
R64278	IK24
R67587	IK22
R67588	IK24
R68508	IW01-24
R68509	IW01-27
R71127	IK22
R71128	IK24
R71137	IK22
R71138	IK24
R71148	IK24
R71158	IK24
R73768	IW01-24
R73769	IW01-27
R74338	IK24
R219810P	IXU01-31
R252510	IXU01-31
R433910	IW31
R465210	IW31
R465285	IW27
R465295	IW29
R606110	IW01-31
R620510	IK31
R620610	IK02-31
R624110	IK31
R624210	IK02-31
R625510	IK31
R632610	IK31
R638510P	IW01-31
R642710	IK31
R711210	IK31
R711211	IK34
R711310	IK31
R711410	IK31
R711510	IK31
R711810	IK02-31
R711910	IK02-31
R727910	IK02-31
R737610	IW01-31

NGK	DENSO
R743310	IK31
R4652105	IW34
R5184105	IWM01-32
R6385105P	IW01-32
SIFR6A11	VK20
SILZKAR7B11	VFXEH22
SIMR8A9	IU24
T7340T6	IK20
T7340T7	IK22
T7340T8	IK24
T7341T6	IQ20
TR4	T16EPR-U
TR5	T20EPR-U
TR6	T20EPR-U
TR42	T16EPR-U
TR51	T20EPR-U
UR4	T16PR-U
UR4IX	ITF16
UR4VX	ITF16
UR5	T20PR-U
UR5IX	ITF16
UR5VX	ITF16
UR45IX	ITF16
UR45VX	ITF16
UR55IX	ITF16
UR55VX	ITF16
WR5	MA20PR-U
XR4	W16PR-U
XR40	W16PR-U
XR45	W16PR-U
ZFR5FIX11P	VK16
ZFR5FIX55	IK20
ZFR6AGP	IQ20
ZFR6FGP	IK20
ZFR6FI11G	IK20
ZFR6FIX11	IK20
ZFR6FIX11P	VK20
ZFR6FIX11P	VKJ20RZ-M11
ZFR6FIX55	IK20
ZFR6FVX11	IK20
ZFR6K11G	IK20
ZG4A	J14CR-U
ZG5A	J16CR-U
ZG5E	J16CR-U
ZGR4A	J14CR-U
ZGR5A	J16CR-U
ZGR5AGP	IW16
ZGR5B	J16CR-U
ZGR5B11	J16CR-U
ZGR5C	J16CR-U
ZGR5E	J16CR-U
ZKR7A	XU22EPR-U
ZKR7A10	XU22EPR-U
ZMR7AP	IU22

NHSP	DENSO
A7RTC	U20FSR-U
B8RC	U24ESR-N
D8RTC	X24ESR-U
DF7RECZ	XU22EPR-U
E5C	W14F-U
E5T	W14FP-U
E6C	W16FS-U
E7C	W20FS-U
E7RTC	W20FPR-U
E7TC	W20FP-U
E8C	W22FS-U
E8TC	W22FP-U
F5C	W14E
F6RTC	W16EXR-U11
F6TC	W16EP-U
F8C	W22ES-U

NHSP	DENSO
G3F	W14-U
G3TC	W14PR-U
G5RC	W20SR-U
G6	W20S-U
H5	W20S-U
K6RTJC	K20PBR
K6TJC	K20PBR
K7RTC	K20PR-U11
K7RTJC	K20PBR
K7TJC	K20PBR
L5C	W14M-U
L5T	W14MP-U10
L6T	W20MP-U
L7	W22M-U
L7Y	W22M-U
L8RT	W22MPR-U
L9	W22M-U
N6	T20M-U
N9	T22M-U
Q7TC	T16EPR-U
R4C	MW17
T5RTC	MA20PR-U

NISMO	DENSO
22401RN0106	IK20
22401RN0107	IK22
22401RN0108	IK24
22401RS1128	IK24
22401RS11810	IK02-31

RALLIART	DENSO
RAY66002	IW24

SARD	DENSO
SR20 ISO	IK20
SR20 JIS	IQ20
SR22 ISO	IK22
SR24 ISO	IK24
SR31 ISO	IK31

SPLITFIRE	DENSO
SF2C	T20PR-U
SF2D	T20PR-U
SF2D6	T20PR-U
SF2E	ITF16
SF2E	T14PR-U
SF2E	T16PR-U
SF2F	ITF16
SF2F	T16PR-U
SF4E	MA16PR-U
SF6A	IW24
SF6A	W24EPR-U
SF6B	IW22
SF6B	W22EPR-U
SF6C	IW20
SF6C	W20EPR-U
SF6D	IW16
SF6D	W16EPR-U
SF6D	W20EPR-U
SF6E	IW16
SF6E	W16EPR-U
SF6F6	IW16
SF6F6	W16EXR-U11
SF8E	W16PR-U
SF10D	T20EPR-U
SF10D6	T20EPR-U
SF10E6	T16EPR-U
SF14E	T16PR-U
SF29E	W14-U
SF30C	W20S-U
SF40D	W20ESR-U
SF45F	W14LM-U

SPLITFIRE	DENSO
SF254F	T16EPR-U
SF259D	W24ESR-U
SF263D	W27FSR
SF265F	W16FS-U
SF295F	T20M-U
SF392A	K24PR-U11
SF392B	Q22PR-U
SF392C	K20PR-U
SF392D	Q16PR-U
SF405A	IW31
SF405B	IW27
SF405C	IW24
SF405D	IW24
SF405F	IW16
SF405F	W22ES-U
SF406A	IW31
SF406B	IW27
SF406B	W27ES-U
SF406C	IW24
SF409B	W24FS-U
SF409C	W22FS-U
SF412C	W20FPR-U
SF413B	IX27
SF416B	X27EPR-U9
SF416C	X24EPR-U9
SF416D	IX22B
SF416D	IXU22
SF416D	X22EPR-U9
SF416D	XU22EPR-U
SF419D	IUF22
SF419D	U20FS-U
SF426E	J16CR-U
SF426E	W16EXR-U
SF430B	U27ESR-N
SF430C	U24ESR-N
SF512E	MA20PR-U
SF514D	T20EPR-U
SF516D	T20EPR-U
SF524E	T16EPR-U
SF550C	IQ20
SF550C	K20PR-U11
SF550C	Q20PR-U11
TP2E	ITF16
TP6A	IW24
TP6B	IW22
TP6C	IW20
TP6D	IW16
TP392A	IK22
TP392B	IK22
TP392C	IK20
TP405A	IW31
TP406B	IW27
TP406C	IW24
TP409B	IWF24
TP416B	IX27B
TP416C	IX24B
TP416D	IX22B
TP416D	IXU22
TP430B	IU27
TP430B	IU27A
TP430B	IUH27
TP430B	U27ESR-N
TP430C	IU24
TP430C	IU24A
TP430C	IUH24

STI	DENSO
ST224014S000	IK20
ST224014S010	IK22
ST224014S020	IK24

SUZUKI SPORTS	DENSO
271175	IK22
271180	IXU24
271185	IK24
271190	IXU27

TOM'S	DENSO
10901TSP0106	IK20
10901TSP0107	IK22

TORCH	DENSO
4104JC	W14-U
4106JC	W20S-U
4135J	W14F-U
4136J	W16FS-U
4195J	W16ES-U
4197J	W22ES-U
8012	IW20
A6RC	U20FSR-U
A6RTC	U20FSR-U
A6TC	U20FS-U
A7RC	U22FSR-U
A7RTC	U22FSR-U
A8RTC	U24FSR-U
A4106C	W20M-US
B7R	U22ESR-N
B8R	U24ESR-N
B8RD	U24ETR
B9R	U27ESR-N
C7ER	U20ESR-N
CR7E	U22ESR-N
CR8E	U24ESR-N
CR9E	U27ESR-N
D6RTC9	X20EPR-U9
D7RTC	X22EPR-U9
D7RTC9	X22EPR-U9
D8RC	X24ESR-U
D8RTC	X24EPR-U9
D8RTC9	X24EPR-U9
DK7RTC	XU22EPR-U
DK7RTPP	IXU22
E4RTC	W14FPR-UL
E5RTC	W16FPR-U
E5TC	W16FP-U
E6C	W20FS-U
E6RC	W20FSR-U
E6RCA	W20FR-L
E6RTC	W20FPR-U
E6TC	W20FP-U
E7RC	W22FSR
E7RTC	W22FPR-U
E7TC	W22FP-U
E8C	W24FS-U
E8RC	W24FSR
E8RCA	W24FR-L
E8RTC	W24FPR
F5RF	W16EXR-U
F5RTC	W16EPR-U
F5RTC	W16EXR-U
F5TC	W16EP-U
F5TC11	W16EP-U11
F6C	W20ES-U
F6RTC	W20EPR-U
F6TC	W20EP-U
F7C	W22ES-U
F7RC	W22ESR-U
F7RTC	W22EPR-U
F8RC	W24ESR-U
F8RTC	W24EPR-U
F8TC	W24EPR-U
F9C	W27ES-U
G4C	W14-U
G4RC	W14-U

TORCH	DENSO
G6C	W20S-U
G6RC	W20SR-U
GL4	W14LM-U
GL4RC	W14LM-U
K5RTC	Q16PR-U
K6RF	K20PR-U11
K6RF11	K20PR-U11
K6RTC	Q20PR-U
K6RTC11	K20PR-U11
K6TC	K20PR-U11
K6TC	Q20P-U
K7RTC	Q22PR-U
KR8TPP	IK24
L6	W20M-US
L6C	W20M-US
L6RC	W20MR-U
L6RTC	W20MPR-U10
L6T	W20MP-U
L6TC	W20MP-U
L7	W20M-US
L7RTC	W22MPR-U
L7T	W20MP-U
L9	W22M-U
N6C	T20M-U
N6RC	T20M-U
N6RTC	T20MP-U
N6TC	T20MP-U
N7C	T22M-U
N7RC	T22M-U
P5RTC	T16PR-U
P6RTC	T20PR-U
PRA7HC	U22ESR-N
Q5RTC	T16EPR-U
Q5TC	T16EPR-U
Q6RTC	T20EPR-U
Q6TC	T20EP-U
T5RTC	MA16PR-U
T5TC	MA16PR-U
T6RTC	MA20PR-U
T8RTC	MA20PR-U
T1136	U20FS-U
T4135JC	W16FP-U
T4136JC	W20FP-U
T4137JC	W22FP-U
T4196JC	W20EP-U

TRD	DENSO
TRD IK20X	IK20
TRD IK22	IK22
TRD IK24	IK24
TRD K31AZ	IK31

TRUST/GREDDY	DENSO
07 ISO	IK22
08 ISO	IK24
IT06ISO	IK20
IT06JIS	IQ20
IT07ISO	IK22
IT08ISO	IK24

UNIPARTS	DENSO
ERR743	W20EPR-U
ERR3799	W16EPR-U
FDU2522	Q20PR-U11
FDU2522EVA	Q20PR-U11
GSP30	W20S-U
GSP130	W16ES-U
GSP131	W16EP-U
GSP141	W16EP-U
GSP151	W20EP-U
GSP160	W20ES-U
GSP163	W20EP-U

UNIPARTS	DENSO
GSP171	W20EP-U
GSP244	W16EPR-U
GSP263	W20EPR-U
GSP264	W16EPR-U
GSP281	W22EPR-U
GSP331	T16EPR-U
GSP351	T16EPR-U
GSP361	T20EP-U
GSP531	W16FP-U
GSP540	W20FS-U
GSP541	W20FP-U
GSP550	W20FS-U
GSP560	W22FS-U
GSP571	W22FP-U
GSP634	Q16PR-U
GSP664	K20PR-U
GSP664	Q20PR-U
GSP665	Q20P-U
GSP684	Q22PR-U
GSP881	T20PR-U
GSP2001	K20PR-U
GSP2002	W20EPR-U
GSP2003	Q20PR-U
GSP2005	K20PR-U11
GSP2006	T20EPR-U
GSP2007	K20PR-U
GSP2008	W16EPR-U
GSP2009	W20EPR-U
GSP2011	PT16VR13
GSP2012	T20EPR-U
GSP2013	J16CR-U
GSP2016	IK20
GSP2019	W20EPR-U11
GSP2020	W16EPR-U
GSP2022	Q16PR-U
GSP2023	Q22PR-U
GSP2026	MA20PR-U
GSP2027	T20EPR-U
GSP2029	W20FPR-U
GSP2032	W16FS-U
GSP2033	MA16PR-U
GSP2034	W16EPR-U
GSP2035	Q16PR-U
GSP2036	W22EPR-U
GSP2037	K20PR-U11
GSP2039	W16EPR-U11
GSP2040	T16EPR-U
GSP2044	IK22
GSP2046	W20ES-U
GSP2048	K20PBR
GSP2049	W20FS-U
GSP2050	W22FS-U
GSP2051	W24ESR-U
GSP2052	IK20
GSP2054	T16EPR-U
GSP2055	IK20
GSP2056	W20FP-U
GSP2061	IW20
GSP2062	IK22
GSP2064	K20PBR
GSP2098	W20EP-U
GSP2099	W16EP-U
GSP2100	Q20P-U
GSP2101	T20EP-U
GSP2102	T20EP-U
GSP2103	Q20P-U
GSP2111	W20EPR-U
GSP4256	W22FS-U
GSP4266	W16FS-U
GSP4356	W22FP-U
GSP4362	W20EP-U
GSP4362X	W20EP-U

UNIPARTS	DENSO
GSP4366	W20FP-U
GSP4372	W16EP-U
GSP4376	W16FP-U
GSP4382	W16EP-U
GSP4382X	W16EP-U
GSP4452	W22EPR-U
GSP4456	W22FPR-U
GSP4456X	W22FPR-U
GSP4462	W20EPR-U
GSP4462X	W20EPR-U
GSP4472	W16EPR-U
GSP4482	W16EPR-U
GSP4562	Q20P-U
GSP4562X	Q20P-U
GSP4563	T20EP-U
GSP4563X	T20EP-U
GSP4573	T16EPR-U
GSP4642	Q22PR-U
GSP4652	Q22PR-U
GSP4652X	Q22PR-U
GSP4657	K22PBR-S
GSP4662	K20PR-U
GSP4662	Q20PR-U
GSP4663	T20EPR-U
GSP4663X	T20EPR-U
GSP4664	T20PR-U
GSP4854	MA20PR-U
GSP5658	K20PR-U11
GSP6356	W22FP-U
GSP6362	W20EP-U
GSP6366	W20FP-U
GSP6382	W16EP-U
GSP6452	W22EPR-U
GSP6452X	W22EPR-U
GSP6462	W20EPR-U
GSP6462X	W20EPR-U
GSP6468	W20EPR-U11
GSP6472	W16EPR-U
GSP6478	W16EPR-U11
GSP6562	Q20P-U
GSP6563	T20EP-U
GSP6573	T16EPR-U
GSP6651	PT16VR13
GSP6652	Q22PR-U
GSP6652X	Q22PR-U
GSP6662	K20PR-U
GSP6662	Q20PR-U
GSP6662X	K20PR-U
GSP6663	T20EPR-U
GSP6663X	T20EPR-U
GSP7662	Q20PR-U11
GSP7669	W20EPR-U
GSP46515	PT16VR13
GSP66514	PT16VR13
XMH279	K20PR-U11

VALEO / MARCHAL	DENSO
2/13	M24S
2/32	W24FS-U
2/33	W24FS-U
2/33H	W22ES-U
3H	W27ES-U
4N	W22FS-U
5N	W20FS-U
6H	W20EP-U
6N	W20FS-U
7H	W20EP-U
8H	W20EP-U
9H	W16EP-U
17C	M22
19C	M22
19L	M22













VALEO / MARCHAL	DENSO
20C	M17
20E	M17
20L	M17
21C	M17
21E	M17
21L	M17
22L	M14
22LM	M14
34/5HS	W20EP-U
34C	W22S-U
34CM	W22S-U
34HS	W22ES-U
34HSM	W22ES-U
34S	W22FS-U
35	W20FS-U
35/1	W20FP-U
35/1B	W20FP-U
35/1D	W20FP-U
35/36D	W20FP-U
35/36P	W20FP-U
35/36R	W20FP-U
35B	W20FS-U
35C	W20S-U
35CM	W20S-U
35HA	W20EP-U
35HS	W20ES-U
35M	W20FS-U
35P	IWF22
35S	W22FS-U
36	W20FS-U
36B	W16FS-U
36C	W14-U
36CM	W16S-U
36D	W16FS-U
36HS	W16ES-U
36M	W16FS-U
36P	IWF16
37S	W16FS-U
67HP	IW24
76H	W20EP-U
84H	W16EP-U
88N	W20FP-U
90H	W16EP-U
90N	W16FP-U
AC422Z	W20FS-U
C8H	T20EP-U
C68H	T20EP-U
C72H	T20EP-U
F74H	Q20P-U
F74H3	K20PBR
F80H	Q20P-U
F82H	Q16PR-U
GT34	W22FP-U
GT34/2H	W20EP-U
GT34/5	W20FP-U
GT34/5D	W20FP-U
GT34/5H	W20EP-U
GT34/5HA	W20EP-U
GT34/5HD	W20EP-U
GT34D	W22FP-U
GT34HD	W20EP-U
GT35	W20FS-U
GT35D	W16FP-U
GT35HD	W16EP-U
H32RG	IW27
H33RG	IW24
HA32RS	IW27
HF33R	IW27
HF34	W22ES-U
M4T	W24S-U
M5T	W22S-U

VALEO / MARCHAL	DENSO
M6T	W20S-U
M101	T20EPR-U
M103	W20FP-U
M123	Q20PR-U
M127	W20EPR-U
R64H	W22EPR-U
R70H	W22EPR-U
R76H	W20EPR-U
R76H11	W20EPR-U11
R84H	W16EPR-U
R84H11	W16EPR-U11
R84HZY	J16CR-U
R88N	W20FPR-U
R90H	W16EPR-U
R90H11	W16EPR-U11
R92H	W14EXR-U
RC68H	T20EPR-U
RC68LPP	PT16VR13
RC72H	T20EPR-U
RC72H11	T20EPR-U
RF64H	Q22PR-U
RF72H	Q22PR-U
RF72H3E	K22PBR-S
RF72HZ3YE	K22PBR-S
RF72HZDC	Q22PR-U
RF74H	Q20PR-U
RF74H11	Q20PR-U11
RF74H3	K20PBR
RF74HZDC	K20PR-U
RF80H	Q16PR-U
RF80H11	Q16PR-U
RF82H	Q16PR-U
RGC68N	MA20PR-U
RR31HS	IW31
RR32HS	IW27
RR33HSS	IW31
S5N	M22
S6N	M17
SCGT35H	T20EP-U
T6	W22M-U
T7	W20MP-U
T8	W20M-US
TC6	T22M-U
TC8	T20M-U
V6N	W16FS-U
V36A	W16FS-U

WLD	DENSO
D8RTC	X24ESR-U
E6C	W20FS-U
E6TC	W20FP-U
E7C	W22FS-U
E7TC	W22FP-U
F5TC	W16EP-U
F6TC	W20EP-U
K6TC	Q20P-U
K6T.JC	K20PBR
L7	W20M-US
L7T	W20MP-U
L9	W22M-U
T4T	MA16PR-U
T5RTC	MA20PR-U

Spark Plugs | Memo

Spark Plugs | Abbreviations

	GB	DE	FR	ES	IT	SE	PL	RU
	Motorcycle	Motorrad	Motocycles	Motocicleta	Motocicli	Motorcykel	Motocykl	Мотоциклы
	ATV and Quad	ATV und Quad	ATV et quad	ATV y Quad	ATV e Quad	ATV och fyrhjulingar	ATV i Quad	Квадроциклы и мотовездеходы
	Karting	Karting	Karting	Karting	Go-kart	Gokart	Gokart	Картинг
	Snowmobile	Schneemobil	Motoneige	Snowmobile	Gatto delle nevi, motoslitta	Snöskoter	Skuter śnieżny	Снегоходы
	Small Engine	Kleinmotorrad	Moteur de faible cylindrée	Motor pequeño	Piccolo motore	Små motorer	Mały silnik	Малые двигатели
	Marine Outboard	Außenbordmotor Boot	Moteurs hors-bord	Embarcación fueraborda	Fuoribordo marino	Utombordsmotorer	Łódź z silnikiem zaburtowym	Подвесные морские двигатели
	Marine Inboard	Binnenbordmotor Boot	Moteur intérieur	Embarcación motor interior	Entrobordo marino	Inombordsmotorer	Łódź z silnikiem zabudowanym	Стационарные морские двигатели
	Jetski	Jet-Ski	Jet ski	Jetski	Acquascooter	Vattenskoter	Skuter wodny	Гидроциклы
KW	Engine power	Motorleistung	Puissance du moteur	Puissance du moteur	Potenza del motore	Motoreffekt	Moc silnika	Мощность двигателя
	Year (from - to)	Jahr (von - bis)	Année (de - à)	Año (de - a)	Anno (da - a)	År (från- till)	Lata (od - do)	Год (с - по)
	Spark Plug	Zündkerzen	bougie	bujía	candele	Tändstift	Świeca zapłonowa	Свеча зажигания
	Stocknumber	Vorratnummer	Stocknuméro	Stocknumero	Scortenumero	Lagernummer	Numer serii	Код
	Spark gap	Zündstrecke	Écartement des pointes	Espacio de chispa	Distanza della scintilla	Gnistgap	Odstęp między elektrodami świecy zapłonowej	Искровой зазор
	Iridium	Iridium	Iridium	Iridium	Iridium	Iridium	Świeca Iridium	Iridium
2 bbl, 4 bbl	.. Barrel	.. Barrel	.. baril	.. Barril	.. Barile	.. Rör	...barylka	.. Баррель
AC	Air cooled	Luftgekühlt	refroidi à l'air	Refrigeración por aire	Raffreddato ad aria	Luftkyld	Chłodzony powietrzem	Воздушное охлаждение
Alcohol Mix	Alcohol Mixture	Alkoholmischung	mélange d'alcool	Mezcla de alcohol	Mistura d'alcol	Alkoholblandning	Mieszanka alkoholu	Спиртовая смесь
Alum. Heads	Aluminium cylinder heads	Aluminium-Zylinderköpfe	culasses en aluminium	Cabezas de cilindro de aluminio	Teste di cilindri d'alluminio	Topplöck av aluminium	Aluminiowe głowice cylindrów	Крышки цилиндров из алюминия
Carb.	Carburettor	Vergaser	carburateur	Carburador	Carburatore	Förgasare	Gaźnik	Карбюратор
Cat.	Catalytic converter	Katalysator	convertisseur catalytique	Convertidor catalítico	Convertitore catalitico	Katalysator	Katalizator spalin	Каталитический дожигатель выхлопных газов
C.I.D.	Cubic Inch Displacement	Hubraum in Kubikinch	cylindrée	Desplazamiento en pulgadas cúbicas	Spostamento di pollice cubo	Motorvolym i kubikum	Objętość skokowa silnika w calach sześciennych	Рабочий объём двигателя в куб. дюймах
DI	Direct ignition	Direktzündung	allumage direct	Encendido directo	Accensione diretta	Direkttändning	Zapłon bezrozdzielaczy	Прямое зажигание

Spark Plugs | Abbreviations

	GB	DE	FR	ES	IT	SE	PL	RU
Down draft carb.	Downdraft carburettor	Fallstrom-Vergaser	carbureteur inversé	Carburador de tiro descendente	Carburatore invertito	Fallförgasare	Gaźnik dolnossący	Карбюратор с нисходящим потоком воздуха
EFI, Inj. ,I.E.	Electronic fuel injection	Elektronische Benzineinspritzung	injection électronique	Inyección electrónica de combustible	Iniezione elettronica del carburante	Elektronisk bränsleinsprutning	Elektroniczny układ wtryskowy	Электронный впрыск горючего
Eng.	Engine code	Motor	moteur	Motor	Motore	Motornummer	Odmiana silnika	Двигатель
Exhaust side	-	Abgasseite	côté échappement	Lado del escape	Lato scarico	Avgassidan	Od strony wydechu	Полость выхлопа
Flat Seat	-	Flachsitz	siège plat	Asiento plano	Sede piatta	Platt säte		Гладкое седло
Gasoline	Gasoline / Petrol	Benzin	essence	Gasolina / Combustible	Benzina	Bensin	Benzyna	Бензин / моторное топливо
HC	High compression	Hohe Verdichtung	compression élevée	Alta compresión	Elevata compressione	Höghkompression	Wysoki stopień sprężania	Высокая степень сжатия
HP	Horsepower	Pferdestärke	Cheval-vapeur	Caballo de vapor	CC	Hästkrafter	Konie mechaniczne	Л.С
Ign.	Ignition	Zündung	allumage	Ignición	Accensione	Tändning	Zapłon	Зажигание
Intake side	-	Einlassseite	côté admission	Lado de admisión	Lato aspirazione	Inloppssidan	Od strony wlotu powietrza	Сторона всасывания
Kerosene	-	Kerosin	kérosène	Queroseno	Cherosene	Fotogen	Nafta	Керосин
Light service	-	Leichte Wartung	service léger	Servicio ligero	Servicio ligero	Lätt underhåll	Lekkie warunki pracy	Легкие условия эксплуатации
LC	Liquid cooled	Flüssigkeitsgekühlt	refroidi par liquide	Refrigeración por líquido	Refrigeración por líquido	Vätskekyld	Chłodzony cieczą	Жидкостное охлаждение
LPG	Liquified Petroleum Gas	Autogas	gaz de pétrole liquéfié	Gases de petróleo liquefactados	Gas di petrolio liquefatto	Gasol	Propan-butan (LPG)	Сжиженный нефтяной газ
Mag.	Magneto	Zündmagnet	magnéto	Magneto	Magnete d'accensione	Magnet	Iskrownik	Магнето
Natural gas	-	Erdgas	Erdgas	Gas natural	Metano	Naturgas	Gaz ziemny (LNG)	Природный газ
Normal service	-	Normale Wartung	gaz naturel	Servicio normal	Servizio normale	Normalt underhåll	Normalne warunki pracy	Нормальные условия эксплуатации
R	Resistor	Widerstand	Résistance	Resistencia	Resistore	Motstånd	Opornik	Резистор
Severe service	-	Schwere Wartung	service sévère	Servicio pesado	Servizio gravoso	Utförligt underhåll	Szczególne warunki pracy	Тяжелые условия эксплуатации
Standard, Std.	Standard	Standard	standard	Estándar	Normale	Standard	Standardowy	Стандарт
SV	Sidevalve	Seitenventil	soupape latérale	Válvula lateral	Lato valvole	Sidventil	Zawór boczny	Боковой клапан
Tapered seat	-	Kegelsitz	siège conique	Asiento cónico	Sede conica	Avfasat säte	Uszczelnienie stożkowe	Коническое гнездо
Thread	-	Gewinde	filetage	Rosca	Filetto	Gänga	Gwint	Резьба

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