

# PISTON RING SETS SIZE LIST Vol.02

MADE IN JAPAN



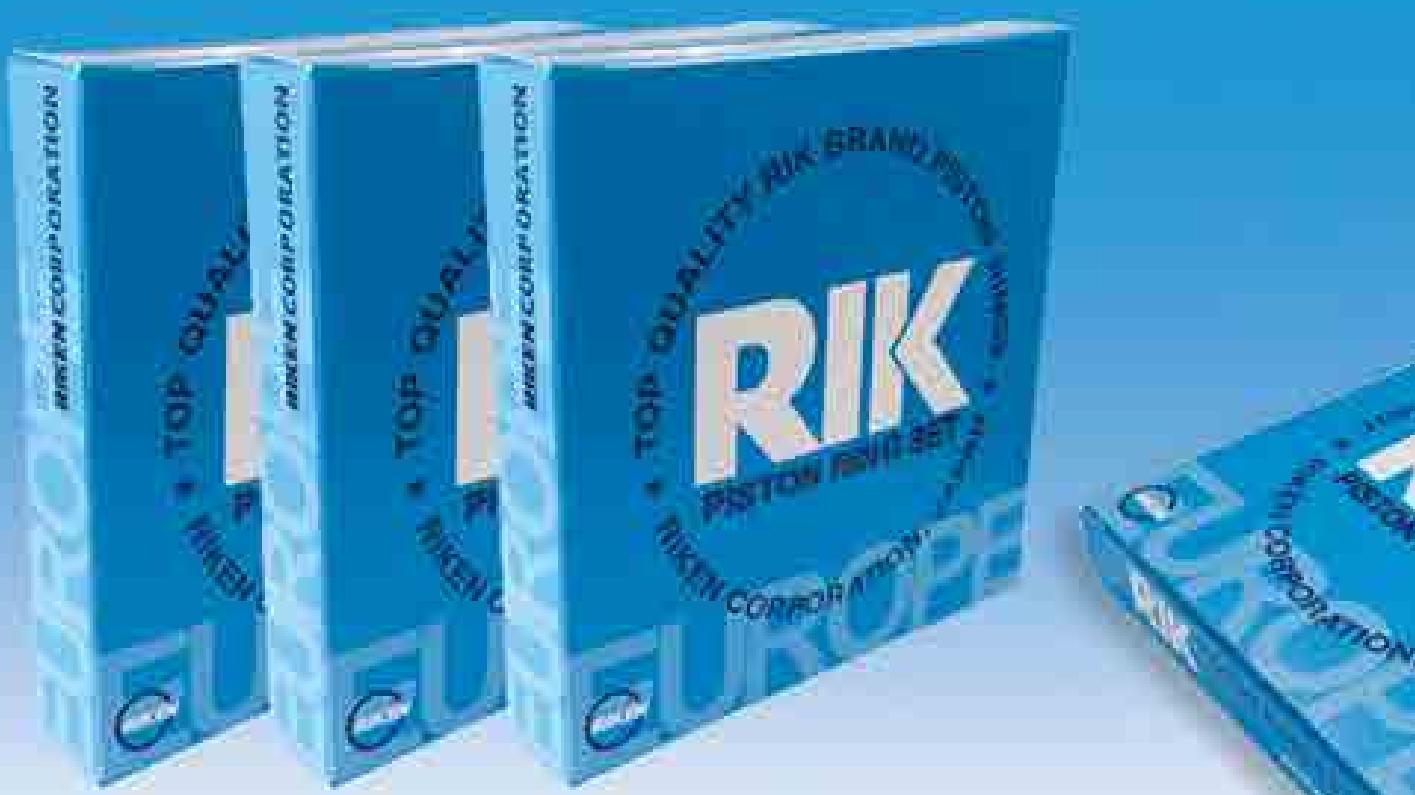
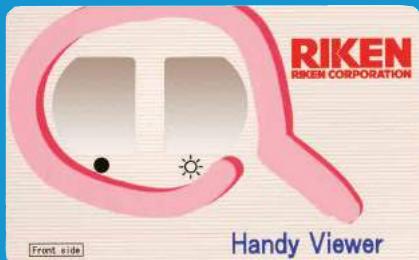
RIKEN®  
EUROPE

Operated By  
**JEP**  
ENGINE PARTS

# PISTON RING SETS

## SIZE LIST

For European Vehicles Vol.02

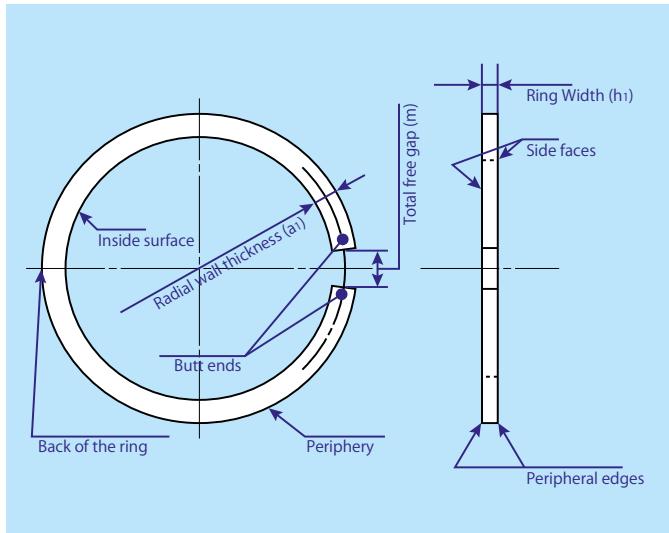


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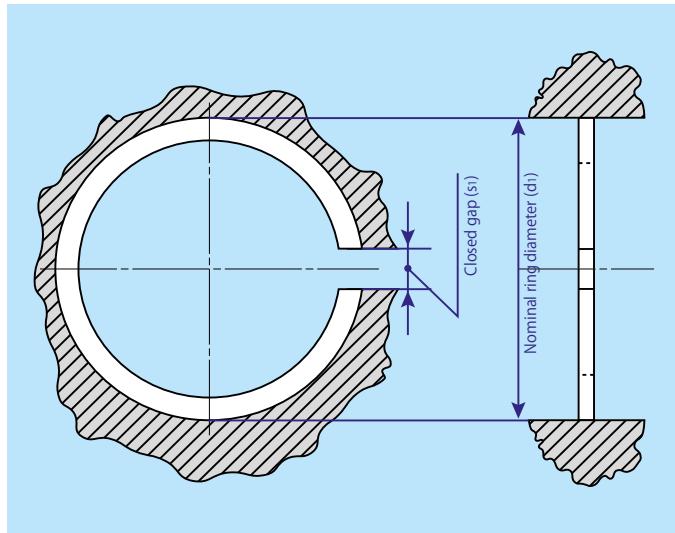
# 1. Automobile Piston Rings

## Piston Ring Details, identification and location

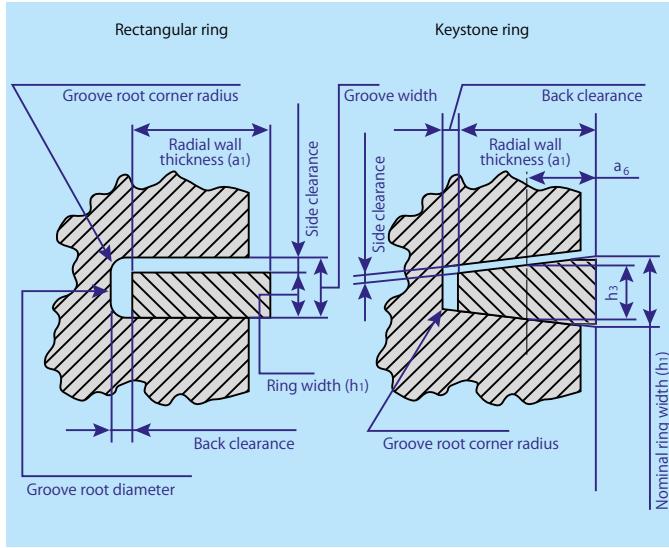
Nomenclature and symbols under free state



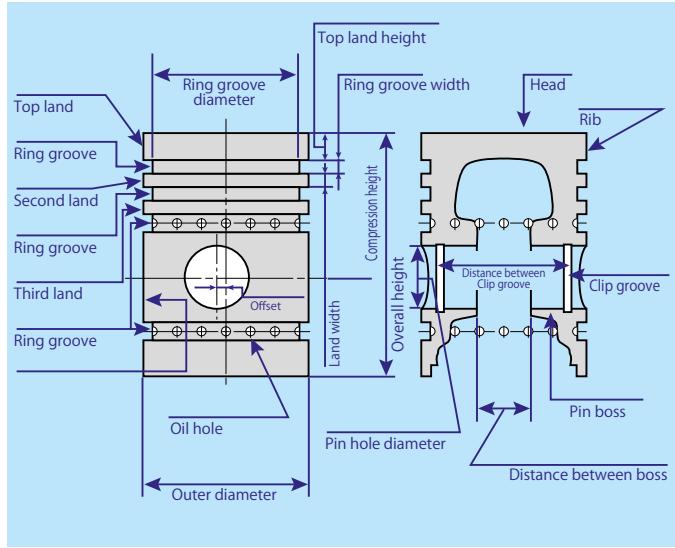
Nomenclature and symbols under mounted state



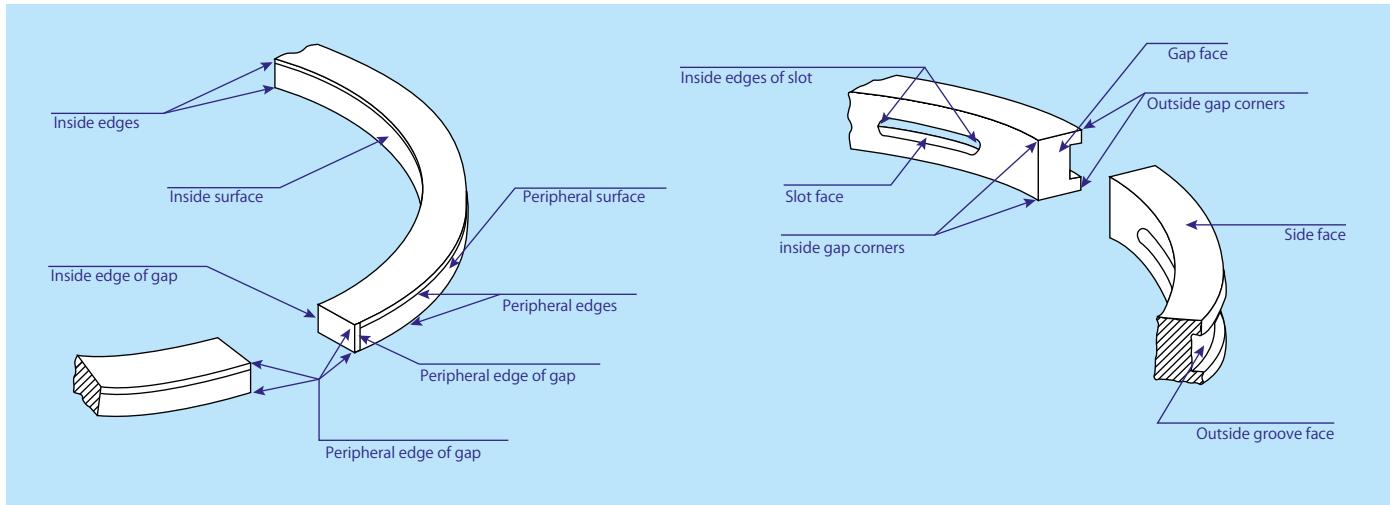
Nomenclature and symbols relating to ring cross-section and groove width



Nomenclature of parts (Piston)



Nomenclature of edges, inside and peripheral surfaces and side face



# Piston Ring Surface Treatment & Configurations

## 1) Cross-section configurations

Top Rings		Compression Rings		Oil Rings	
500	Rectangular ring		501	Taper-faced ring	
503	Half Keystone ring		502	Taper-faced bevelled ring	
504	Keystone Ring (15°)		506	Scraper ring	
505	Keystone Ring (6°)		507	Scraper bevelled ring	
514	Keystone Ring (10°)		508	Taper-faced Napier ring	
			509	Taper-faced Napier bevelled ring	
			510	Taper-faced, Half Keystone ring	
			511	Taper-faced, Keystone ring	

## 2) Edge and Face configurations

IF	Internal bevel top	
IFU	Internal bevel bottom	
IW	Internal step top	
IWU	Internal step bottom	
B	Barrel faced	
N	Coated Inlaid faced	

## 3) Coating and Material configurations

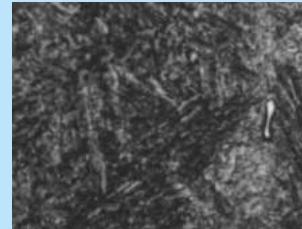
Cr	Surface chromium plating	QBCr	"Quick Break-In" chromium plating
Cr3	Side chromium plating	IP	Ion Plating
Cr4	Full chromium plating	Fe	Ferrox treatment
Mo	Surface molybdenum plating	P	Phosphate treatment
Nit	Nitriding	S	Steel material
PI	Plasma spray coating		

## Main Structural Materials for Piston Ring

### STEEL

RIK-SP is a steel selected and improved as material suitable for piston rings. It is used to produce compression rings for small high speed engines and side rails for combination oil rings. It is also used for high-performance oil ring [DIESELVENT-M] for diesel engines. RIK-SS is easy to form, excellent in spring characteristics and highly resistive to permanent set in thermal fatigue. It is widely used for combination oil ring [RIKVENT] spacer in various engine versions.

Piston Ring Surface

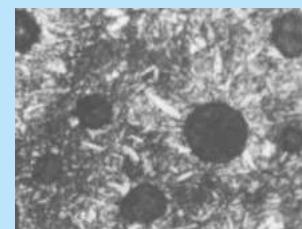


STEEL  
RIK SP-5

### HI-RIK

HI-RIK is a high elastic material and it shows a modulus of elasticity of 147 to 167 GPa which is close to steel modulus of elasticity 196 GPa. The reason for this is that the configuration of graphite (nodular and tempered) shows low notch effect. It has excellent wear resistance which is top ranked among currently available cast iron types.

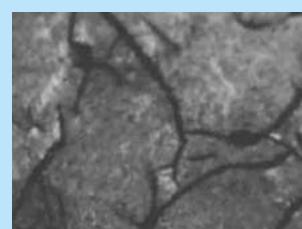
HI-RIK is suitable for such applications as automobiles, vessels, construction equipment, aircraft which require high modulus of elasticity and break-resistance.



HI-RIK  
RIK-20A

### RIK-S

RIK-S is a tough cast iron provided with excellent physical and mechanical properties by a special refining process without addition of any alloying element. It offers adequate elastic modulus and hardness, is easy to break in and is relatively high in shock resistance.



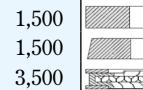
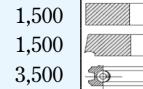
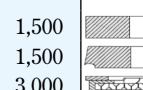
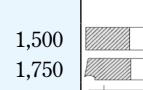
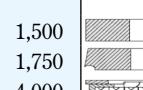
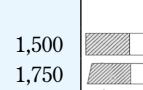
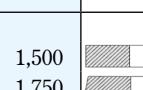
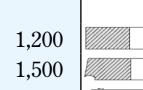
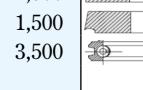
RIK-S  
RIK-42A

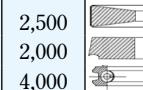
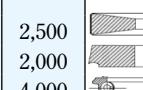
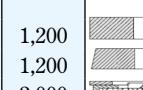
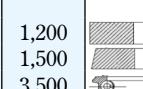
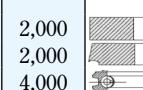
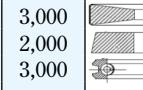
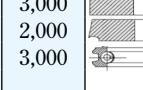
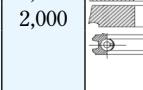
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**RIKEN**  
**EUROPE**<sup>®</sup>

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● ALFA ROMEO</b>											
<b>199 B1.000</b>	1248	● MITO 1.3 JTDM	4	70 (95)	69,600	1,500 1,500 2,000		500 501 604	Cr P P Nit S	<b>R11 320 000</b> R11 320 040 R11 320 060	STD 0,40 0,60
	1290	● Spider, Giulia Giulietta Sprint	4	74-78 (100-105)	74,000	1,500 1,750 4,000		500 508 700	CrFeSiF P Cr PS	<b>R11 300 000</b>	STD
<b>105.02, 105.14 105.26</b>	1570	● Giulia 1600	4	68/72/76 (92/98)	78,000	1,500 1,750 4,000		500 508 604	Cr SiF P Fe	<b>R11 040 000</b>	STD
<b>116.00</b>	1570	● Alfetta 1600, Giulietta 1600		79.5 (108)							
<b>940 A3.000</b>	1598	● JTDM Giulietta 1.6	4	77 (105)	79,500	1,500 1,500 2,000		500 508 604	Cr P P Nit S	<b>R11 310 000</b> R11 310 040	STD 0,40
	1996	● 164 2.0i V6 GTv 2.0i V6	6		80,000	1,500 1,500 3,000		500 508 603	Cr SiF P Fe	<b>R11 150 000</b>	STD
<b>AR 00548, AR 01608 AR 01668, AR 01678 AR 06202</b>	1779	● GTV 1750, Spider 1750, Alfetta 1.8, Giulietta 1.8, 75 1.8, 90 1.8	4	83-90 (113-132)	80,000	1,500 1,750 4,000		500 508 700	Cr SiF P Cr PS	<b>R11 000 000</b> R11 000 040 R11 000 060	STD 0,40 0,60
<b>AR 30102 /-S, AR 30104, AR 30500 AR 31000</b>	1186	● Alfasud, Super 1.2		50 (68)							
<b>AR 30164, AR 30168 AR 30502, AR 30586 AR 30587, AR 30753 AR 30755, AR 31010 AR 33501</b>	1351	● Alfasud 1.3, Alfasud 1.4, Arna 1.3, 33 1.3, 33 1.4, 146, 146 1.4		55-66 (75-89)							
<b>1.8 IE</b>	1779	● 75 1.8 IE	4	89 (120)	80,000	1,500 1,750 3,500		500 508 603	Cr SiF Fe Fe	<b>R11 160 000</b> R11 160 040 R11 160 060	STD 0,40 0,60
<b>2.0 IE</b>	1996	● 90 2.0 IE V6, Alfa 6-GTV	6								
<b>116 747</b>	1370	● 145, 146, 147, 156	4	76 (103)	82,000	1,200 1,200 2,000		500 508 700	Nit S P Nit S	<b>R11 210 000</b> R11 210 040 R11 210 060	STD 0,40 0,60
<b>AR 32103, AR 32104, AR 37203</b>	1598	● 147 1.6 16v T.Spark 156 1.6 16v T.Spark		76-88 (103-120)							
<b>AR 32201, AR 32205, AR 328401, AR 57106</b>	1747	● 145 1.8 IE, 146 1.8 IE 155 1.8 16v T.Spark 156 1.8 16v T.Spark		103-106 (140-144)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● ALFA ROMEO</b>											
<b>AR 33503, AR 38501 M 659 AA</b>	1370	● 145 1.4 16v T.Spark, 146 1.4 16v T.Spark	4	76 (103)	82,000	1,500 1,500 3,000		500 508 604	Cr P P	<b>R11 080 000</b> R11 080 040 R11 080 060	STD 0,40 0,60
<b>M 646 BA, M 654 CA, M 654 BA</b>	1598	● 145 1.6 16v, 146 1.6 16v, 155 1.6 16v, 156 1.6 16v		88 (120)							
<b>M 646 GA, M 646 LA M 646 VA</b>	1747	● 145 1.8 16v, 146 1.8 16v, 155 1.8 16v, 156 1.8 16v		103-107 (140-145)							
<b>AR 32302 186-230</b>	1910	● 147 JTD, 156 JTD		73 (100)	82,000	2,000 2,000 3,000		500 508 604	Cr S P Cr	<b>R11 220 000</b>	STD
<b>188 A3.000</b>	1910	●									
<b>AR 37101</b>	1910	● 156 1.9 JTD	4	73-103 (100-140)	82,000	2,500 2,000 2,000		500 508 604	Cr S P Nit S	<b>R11 230 000</b>	STD
<b>839 A600, 841 C000 AR 36202</b>	2387	● 156 JTD, 166 JTD	5	100-110 (136-150)							
<b>AR 32302</b>	1910	● 145, 146, 156 JTD	4	77 (105)	82,000	3,000 2,000 3,000		504 501 604	Cr S FE IFU Cr P	<b>R11 240 000</b> R11 240 060	STD 0,60
<b>AR 32501, AR 34202</b>	2387	● 156 2.4 JTD, 166 2.4 JTD	5	100							
<b>932 A2000, 937 A1000, AR 32310, AR 36301, AR 36310</b>	1970	● 147, 156, 166 2.0 16v GT 2.0 JYS, Spider 2.0	4	119-122 (162-166)	83,000	1,200 1,200 2,000		500 508 700	Nit S IF P Nit S	<b>R11 250 000</b>	STD
<b>M 647CA.19.T /-AR M 647DA.19.T M 647HA.19.T M 647LA.19.T</b>	1970	● GTV 2.0 16v Ts, Spider 2.0i 16v Ts 145 2.0i 16v Ts Quad / ti 146 2.0i 16v Ts ti 155 2.0i 16v Ts, 156 2.0 16v Twin Spark	4	110-121 (150-165)	83,000	1,200 1,500 3,000		500 501 700	Nit S IF P Cr PS	<b>R11 090 000</b> R11 090 040 R11 090 060	STD 0,40 0,60
<b>939 B4.000 940 A8.000</b>	1956	● 159 Sportwagon 2.0 JTDM Giulietta 2.0 JTDM	4	100 (136)	83,000	1,500 1,500 2,000		500 508 604	Cr P P Nit S	<b>R11 330 000</b> R11 330 050	STD 0,50
<b>940 A5.000</b>	1956	● Giulietta 2.0 JTDM	4	103 (140)							
<b>844 A2.000 940 A7.000</b>	1956	● 159 Sportwagon 2.0 JTDM Spider 2.0 JTDM Giulietta 2.0 JTDM	4	120 (163)							
<b>939 B3.000</b>	1956	● 159 Sportwagon 2.0 JTDM Spider 2.0 JTDM Giulietta 2.0 JTDM	4	125 (170)							

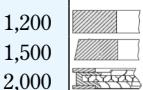
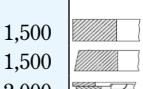
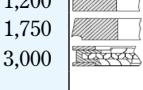
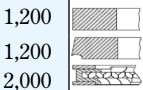
Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	
<b>● ALFA ROMEO</b>										
<b>M 620AG.18.C</b>	1748	● 155 1.7, Twin Spark	4	93-95 (126-129)	83,400	1,500 1,500 3,500		Cr S IF P Cr P S	<b>R11 100 000</b> R11 100 040 R11 100 060	STD 0,40 0,60
<b>M 620CA.18.A</b>	1773	● 155 Twin Spark	4	95 (129)	84,000	1,500 1,500 3,500		Cr S IF P P	<b>R11 030 000</b> R11 030 040 R11 030 060	STD 0,40 0,60
<b>AR 06416, AR 06420, AR 64103, AR 06166 AR 06224</b>	1962	● 164 2.0 Twin Spark 75 2.0 Twin Spark	4	104-107 (142-146)						
<b>M 620CA.20.A</b>	1995	● 155 Twin Spark	4	105 (143)						
<b>AR 672.03</b>	1995	● 155 2.0 Turbo 16v	4	110 (150)	84,000	1,500 1,500 3,000		Cr S IF P Nit S	<b>R11 110 000</b> R11 110 040 R11 110 060	STD 0,40 0,60
<b>A 195.17, 116.133</b>	1962	● 2000 Berlina, Alfetta 2000 GTV 2000, Spider	4	82-90 (110-122)	84,000	1,500 1,750 4,500		Cr S IF P P	<b>R11 020 000</b> R11 020 040 R11 020 060	STD 0,40 0,60
<b>301.28</b>	1490	● Alfasud, Alfa 33, Sprint T1 1.5 Sprint Veloce	4	62-77 (85-105)	84,000	1,500 1,750 4,000		Nit S IF P Cr P S	<b>R11 010 000</b> R11 010 040 R11 010 060	STD 0,40 0,60
<b>116.55</b>	1962	● Alfetta 2.0 IE, Spider 2.0 IE 90 2.0 IE	4	94 (128)	84,000	1,500 1,750 3,500		Cr S IF P P	<b>R11 120 000</b> R11 120 040 R11 120 060	STD 0,40 0,60
<b>AR 30550, AR 30058 AR 30736, AR 30737 AR 30746, AR 30747 AR 33401</b>	1712	● 33 1.7 IE 16v 145 1.7 IE 16v	4	77-101 (105-137)	87,000	1,500 1,750 3,000		Cr S IF Fe Cr P S	<b>R11 260 000</b>	STD
<b>M 300BA.17.A M 690AA.17.C M 691AA.17.A</b>		● Sprint, 33, 33 16v								
<b>AR 32401, AR 32405 AR 34201, AR 36201</b>	2492	● 155, 156, 166 / 2.5 V6 24v	6	121 (165)	88,000	1,200 1,500 3,500		Nit S IF P Cr	<b>R11 270 000</b>	STD
<b>M 652AB.25.T</b>		● 155, 156, 166								
<b>M 652BA.25.T</b>	2492	● 155, 156, 166, Alfa 6, 90, 75	6	110-140 (156-190)	88,000	1,500 1,500 3,500		Cr S IF P Cr	<b>R11 130 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● ALFA ROMEO</b>											
<b>AR 32401, AR 32402</b> <b>AR 34201, AR 36201</b> <b>AR 32405</b>	2492	● 75, 90	6	110-122 (156-166)	88,000	1,500 1,750 4,000		500 508 700	Cr S IF Fe Cr P S	<b>R11 140 000</b>	STD
<b>HR 488 HT/2</b> <b>VM 80A</b>	1994	● 75, Alfetta, Giulietta	4	60-70 (82-95)	88,000	2,500 2,000 4,000		504 508 604	Cr P Cr	<b>R11 050 000</b>	STD
<b>HR 588 HT/2</b>	2492	● Alfa 6 2.5 TD	5	77							
<b>HRT 392</b>	1779	● 33	3	54 (74)	92,000	2,500 2,000 4,000		504 508 604	Cr P Cr	<b>R11 060 000</b>	STD
<b>HR 492 HI / HT</b>	2392	● 90 2.4, Alfetta 2.4	4	70-81 (95-110)							
<b>HR 92.4 S-H</b>	2500	● 164	4	84/86 (114/117)							
<b>932</b>	3177	● 156	6	184 (250)	93,000	1,200 1,200 2,000		500 501 604	NitB S IF P Nit S	<b>R11 280 000</b>	STD
<b>AR 16102, AR 16105</b> <b>AR 34301, AR 36101</b>	2959	● 166, GTV, Spider 3.0 V6 24v	6	162 (220)	93,000	1,200 1,500 3,500		500 501 604	Nit S IF P P	<b>R11 290 000</b>	STD
<b>M 624AB.30.A</b> <b>M 627AA.30.C</b>	2959	● 75, 164 164 OV, RZ 164 Super, Zagato	6	136-169 (185-230)	93,000	1,500 1,500 3,500		500 501 700	Cr S P Cr P S	<b>R11 070 000</b> R11 070 040 R11 070 060	STD 0,40 0,60
<b>8140.61</b>	2445	● 30 AR8, 32 AR8 35 AR8, 40 AR8	4	53 (72)	93,000	2,000 2,000 4,000		500 508 604	Cr P IF P Cr P	<b>R11 170 000</b> R11 170 040 R11 170 060	STD 0,40 0,60
<b>8140.21</b>	2445	● 40 AR8 T	4	68 (92)	93,000	3,000 2,000 3,000		504 501 604	Cr P P Cr P	<b>R11 180 000</b> R11 180 040 R11 180 060	STD 0,40 0,60
<b>8144.67</b>	2500	● 10 AR6, 14 AR6	4	55 (75)	93,000	3,000 2,000 3,000		500 508 604	Cr Fe Cr	<b>R11 190 000</b> R11 190 040 R11 190 060	STD 0,40 0,60
<b>8140.61</b>	2445	● 30 AR8, 35 AR8, 40 AR8	4	53 (72)	93,000	3,000 2,000		500 508	Cr P	<b>R11 200 000</b> R11 200 040	STD 0,40

Engine Type	cc	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● AUDI</b>											
801	1093	● Audi 50 LS / GL	4	44 (60)	69,500	1,750 2,500 4,000		500 508 605	CrB IF P P	<b>R12 000 000</b> R12 000 050 R12 000 100	STD 0,50 1,00
HB, HD	1093	● Audi 50 LS / GL	4	37/38 (50/52)	69,500	1,750 2,000 4,000		500 508 603	Cr IF P P	<b>R12 010 000</b> R12 010 050 R12 010 100	STD 0,50 1,00
ZA, ZF, EP	1272	● Audi 50, 80	4	40-63 (55-86)	75,000	2,000 2,500 4,000		500 508 700	CrB Fe S P Cr P S	<b>R12 020 000</b> R12 020 050 R12 020 100	STD 0,50 1,00
801, YJ, ZB, ZC	1470	● Audi 80 L									
EP	1296	● Audi 80 1.3	4	44 (60)	75,000	1,500 1,750 3,000		500 501 700	CrB Fe S IF P Cr P S	<b>R12 030 000</b> R12 030 050 R12 030 100	STD 0,50 1,00
ANY	1191	● A2	3	45 (61)	76,510	1,750 2,000 3,000		500 501 604	CrB Fe S P IFU Cr	<b>R12 040 000</b> R12 040 050 R12 040 100	STD 0,50 1,00
CN, CR, CK	1588	● Audi 80, 90, 100	4	45-51 (54-75)							
DE, NC	1986	● Audi 100	5	75 (102)							
CY, RA, SB	1588	● Audi 80, 90	4	51-59 (70-80)	76,510	1,750 2,000 3,000		500 501 604	CrB Fe S Cr IFU Cr	<b>R12 100 000</b> R12 100 050 R12 100 100	STD 0,50 1,00
DE, NC	1986	● Audi 100	5	64-75 (87-102)							
AUA, BBY	1390	● A2 1.4	4	55 (75)	76,510	1,200 1,500 2,500		500 508 700	Nit B S IF P Cr P S	<b>R12 060 000</b> R12 060 050 R12 060 100	STD 0,50 1,00
BAG	1598	● A3		85 (115)							
AFB, AKN	2496	● A8		110 (150)	78,310	1,750 2,000 3,000		500 501 604	Cr P P IFU Cr P	<b>R12 260 000</b> R12 260 050 R12 260 100	STD 0,50 1,00
AFB	2496	● A4 2.5 TDI, A6 2.5 TDI A8 2.5 TDI	6	110 (150)	78,310	2,500 2,000 3,000		500 501 604	Cr IF P IFU Cr	<b>R12 200 000</b> R12 200 050 R12 200 100	STD 0,50 1,00

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● AUDI</b>											
<b>AKF</b>	2496	● A4 3.0 TDI quattro A6 3.0 TDI quattro A8 3.0 TDI quattro	6	150-204 (171-233)	78,310	2,000 2,000 3,000		505 501 604	Nit S P IFU Cr	<b>R12 110 000</b> R12 110 050	STD 0,50
	3328	● A8	8	165 (224)							
<b>ATL, BHG</b>	1422	● A2	3	55 (75)	79,510	1,750 2,000 3,000		500 501 604	CrB Fe S P IFU Cr	<b>R12 050 000</b> R12 050 050 R12 050 100	STD 0,50 1,00
<b>1Y, 1Z, AAZ, AFN, AHF AHH, AHU, ALH, AJM ASV, ASZ, ATD, ATJ AVB, AVF, AWX, AXR BKC</b>	1896	● Audi 80, A3, A4, A6	4	47-96 (64-131)							
<b>AAS, 3D</b>	2370	● Audi 100	5	60 (82)							
<b>YJ</b>	1457	● Audi 80	4	51 (70)	79,510	1,750 2,000 4,000		500 508 700	CrB Fe S IF P Cr P S	<b>R12 070 000</b> R12 070 050 R12 070 100	STD 0,50 1,00
<b>827, WV, WY, WZ, YN YG, YH, YK, YM, YV YP, YT, YS, YZ</b>	1588	● Audi 80, 100, 4000, 5000	4	55-81 (75-110)							
<b>ZV</b>	1716	● Audi 100, 4000	4	59 (80)							
<b>WH, WN</b>	1921	● Audi 80, 100	5	73-84 (100-115)							
<b>KJ, WJ, WS, WB, WD WE, WC, KK, KE, WR</b>	2144	● Audi 80, 100, 200 4000, 5000, Quattro	5	79-147 (107-200)							
<b>CLHA CRKB</b>	1598	● A3 1.6 TDI A3 Sportback 1.6 TDI	4	77-81 (105-110)	79,510	1,750 2,000 2,000		500 501 604	Cr P P IF Nit S	<b>R12 320 000</b> R12 320 050	STD 0,50
<b>AHL, ALZ, ANA, ARM AVU, BFQ, BGU, BSE BSF</b>	1595	● A3,A4	4	75 (102)	81,010	1,000 1,200 2,000		500 508 700	Nit B S P Nit S	<b>R12 150 000</b> R12 150 050 R12 150 100	STD 0,50 1,00
<b>ADP, AEH, AHL, AKL ARM</b>	1595	● A3,A4	4	74-75 (100-101)	81,010	1,200 1,500 2,000		500 508 700	NiB S IF P Nit S	<b>R12 190 000</b> R12 190 050 R12 190 100	STD 0,50 1,00
<b>AML, APS, APZ, ARJ AGA, AJG, ALF, ALW AMM, ARN, ASM BDV, BDW</b>	2393	● A4, A6	6	100-125 (136-170)	81,010	1,500 1,500 2,000		500 508 700	Cr S IF P Nit S	<b>R12 210 000</b> R12 210 050 R12 210 100	STD 0,50 1,00

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● AUDI</b>											
<b>ABM, JU, DT</b>	1595	● Audi 80	4	52-55 (71-75)	81,010	1,500 1,750 3,000		500 508 604	CrB S IF P Cr	<b>R12 080 000</b> R12 080 050 R12 080 100	STD 0,50 1,00
<b>DS, DZ, JV, KP, NE, DR RU, JN, MG, PM, SF</b>	1781	● Audi 80, 90, 100, 4000, Fox		66-82 (90-112)							
<b>JS, KP, PS, RT</b>	1994	● Audi 80, 90, 100, Coupe	5	85 (116)							
<b>1B, MB, 3B, RR, AAN ABY, ADU, JT, KM, KU KX</b>	2226	● Audi 80, 90, 100, 4000, 5000 RS2		77-162 (105-220)							
<b>ABM, JU, DT</b>	1595	● Audi 80	4	52-55 (71-75)	81,010	1,500 1,750 3,000		500 508 700	CrB S IF P Cr P S	<b>R12 090 000</b> R12 090 050 R12 090 100	STD 0,50 1,00
<b>DS, DZ, JV, KP, NE, DR RU, JN, MG, PM, SF</b>	1781	● Audi 80, 90, 100, 4000, Fox		66-82 (90-112)							
<b>JS, KP, PS, RT</b>	1994	● Audi 80, 90, 100, Coupe	5	85 (116)							
<b>1B, MB, 3B, RR, AAN ABY, ADU, JT, KM, KU KX</b>	2226	● Audi 80, 90, 100, 4000, 5000 RS2		77-162 (105-220)							
<b>ADR, AEB, AFY, AJL ARK, AGN, AGU, AJP AMB, AMK, APG, APP APX, APY, AQE, ARH ARG, ARX, ARY, AUL AUM, AUQ, AVJ, AVV AWT, BAM, BEX</b>	1781	● A3, A4, TT, A6, S3	4	92-165 (125-225)	81,010	1,500 1,750 2,000		500 508 700	CrB Fe S IF Fe Nit S	<b>R12 220 000</b> R12 220 050 R12 220 100	STD 0,50 1,00
<b>AGB, AZB</b>	2681	● A6, S4	6	195 (265)							
<b>1T, AAT, ABP, AEL</b>	2461	● Audi 100, A6	5	85-103 (115-140)	81,010	2,500 2,000 3,000		500 501 604	Cr P P Cr P	<b>R12 120 000</b> R12 120 050 R12 120 100	STD 0,50 1,00
<b>AZV, BKD, BLB, BMM BMN, BNA, BPW, BRF BVG</b>	1968	● A3, A4, A6	4	89-125 (121-170)	81,010	1,750 2,000 3,000		500 508 604	CrB Fe S IF P Cr P	<b>R12 130 000</b> R12 130 050 R12 130 100	STD 0,50 1,00
<b>SD</b>	1847	● Audi 80, Quattro	4	83 (113)	82,500	1,500 1,750 3,000		500 508 700	CrB Fe S IF P Cr P S	<b>R12 140 000</b> R12 140 050 R12 140 100	STD 0,50 1,00
<b>AAR, NG, NF</b>	2309	● Audi 100, A6, Quattro	5	98 (133)							
<b>ABC, ACZ</b>	2597	● Audi 80, 100, A4, A6	6	102-110 (139-150)							

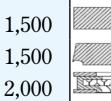
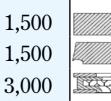
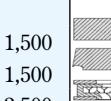
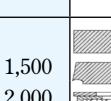
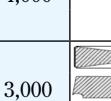
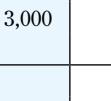
Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● AUDI</b>											
<b>AAD, AAE, ABK, ABT ACE, ALT</b>	1984	● Audi 80, 100, A4, A6	4	66-95 (90-129)	82,500	1,200 1,500 2,000		500 501 700	NitB S IF P Cr P S	<b>R12 160 000</b> R12 160 050 R12 160 100	STD 0,50 1,00
<b>AXX, BWA,</b>	1998	● A3, TT	4	147 (200)							
<b>AAH, CK, AEJ, AFC ALG, AGE, AMX, APP AQD, ATX, AXX, BWA</b>	2771	● A3, A4, A6, A8, TT	6	120-147 (163-200)							
<b>ASN, BBJ</b>	2976	● A4, A6	6	160-162 (218-220)							
<b>3A</b>	1984	● Audi 80, 90	4	85 (116)	82,500	1,500 1,500 2,000		500 501 700	Cr S IF P IF Cr P S	<b>R12 170 000</b> R12 170 050 R12 170 100	STD 0,50 1,00
<b>7A</b>	2309	● Audi 90, Coupe, Quattro	5	125 (170)	82,500	1,200 1,750 3,000		500 508 700	NitB S IF P Cr P S	<b>R12 180 000</b> R12 180 050 R12 180 100	STD 0,50 1,00
<b>CCDA, CDHA CDHB</b>	1798	● TT Roadster 1.8 TFSI A4 1.8 TFSI, A4 Avant 1.8 TFSI A4 Quattro 1.8 TFSI A4 Avant Quattro 1.8 TFSI A5 1.8 TFSI A5 Cabriolet 1.8 TFSI A5 Sportback 1.8 TFSI	4	88-118 (120-160)	82,510	1,200 1,200 2,000		500 508 700	NitB S IF P Nit S	<b>R12 310 000</b> R12 310 050	STD 0,50
<b>CNSB</b>	1798	● A3 Cabriolet 1.8 TFSI	4	125 (170)							
<b>CJSA, CJSB</b>	1798	● A3 1.8 TFSI A3 Cabriolet 1.8 TFSI A3 Sportback 1.8 TFSI A3 Quattro 1.8 TFSI A4 Cabriolet Quattro 1.8 TFSI	4	132 (180)							
<b>CCZA</b>	1984	● A3 2.0 TFSI A3 Cabriolet 2.0 TFSI A3 Sportback 2.0 TFSI	4	147 (200)							
<b>CDNB</b>	1984	● A4 2.0 TFSI A5 Cabriolet 2.0 TFSI Q5 2.0 TFSI, A6 2.0 TFSI A6 Avant 2.0 TFSI, A5 2.0 TFSI	4	132 (180)							
<b>CYPA CHHC</b>	1984	● A7 Sportback 2.0 TFSI TT Coupe 2.0 TFSI TT Roadster 2.0 TFSI	4	169-185 (230-252)							
<b>CWZA</b>	1984	● A1 S1 Quattro	4	170 (231)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● AUDI</b>											
<b>BYT</b>	1798	● A3 1.8 TFSI	4	118 (160)	82,510	1,200 1,500 2,000		500 508 604	Nit S IF P Nit S	<b>R12 330 000</b> R12 330 050	STD 0,50
<b>CABA, CABB CABD, CDHA</b>	1798	● A4 1.8 TFSI, A4 Avant 1.8 TFSI A5 Cabriolet 1.8 TFSI	4	88-125 (120-170)							
<b>ALT</b>	1984	● A4 2.0, A4 Avant 2.0, A6 2.0 A4 Cabriolet 2.0, A6 Avant 2.0	4	96 (130)							
<b>BZB, CAWB</b>	1984	● A3 Sportback 2.0 TFSI A3 Cabriolet 2.0 TFSI	4	147 (200)							
<b>CDLA, CDMA CDLB, CDLC CDLH</b>	1984	● TT 2.0 Quattro A3 Sportback S3 Quattro TT 2.0 TFSI Quattro A1 2.0 TFSI Quattro	4	188-200 (256-272)							
<b>CEPA, CEPB</b>	2480	● TT 2.5 TFSI Quattro A3 Sportback RS3 Quattro	4 5	250 (265)							
<b>ASN BBJ</b>	2976	● A4 3.0, A4 Avant 3.0 A4 Avant 3.0 Quattro, A4 3.0 A4 3.0 Quattro, A4 Avant 3.0	6	160-162 (218-220)							
<b>CNSB</b>	1798	● A3 Cabriolet 1.8 TFSI A3 Limousine 1.8 TFSI	4	125 (170)	82,510	1,200 1,200 2,000		500 508 604	Nit S IF P Nit S	<b>R12 340 000</b> R12 340 050	STD 0,50
<b>CHHC CWZA</b>	1984	● TT Coupe 2.0 TFSI TT Roadster 2.0 TFSI TT Roadster 2.0 TFSI Quattro A1 S1 Quattro A1 Sportback S1 Quattro	4	169-170 (230-231)							
<b>CDN DOHC</b>	1984	● A4 2.0 USA	4		82,510	1,000 1,200 1,500		500 501 700	CrB S PIFU CrPS	<b>R12 350 000</b> R12 350 050	STD 0,50
<b>3L</b>	2967	● A4, A6 3.0 TDI	6	171 (233)	83,000	1,750 2,000 3,000		500 501 604	Cr S IFU Cr	<b>R12 270 000</b>	STD
<b>EA</b>	2698	● A4, A6 3.0 TDI	6	150-171 (240-326)	83,000	2,000 2,000 3,000		500 501 604	Cr P Cr IFU Cr P	<b>R12 280 000</b>	STD
	4134	● A8 4.2 TDI	8								
<b>C1</b>	1871	● Audi 100 GL, Coupe S	4	84 (115)	84,000	2,000 2,500 5,000		500 508 700	Cr S IF P Cr PS	<b>R12 230 000</b> R12 230 050 R12 230 100	STD 0,50 1,00
<b>BBD, BHE</b>	3189	● A3 3.2 Quattro, TT 3.2 VR6 Quattro	6	184 (250)	84,000	1,200 1,500 2,000		500 508 700	Nit S P Nit S	<b>R12 290 000</b>	STD

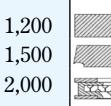
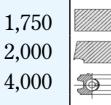
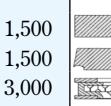
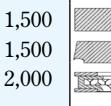
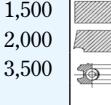
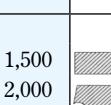
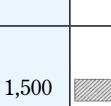
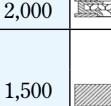
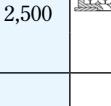
Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● AUDI</b>											
<b>AKC, AQG, BFL</b>	3697	● A8 3.7, A6, S6	8	191-206 (260-280)	84,500	1,200 1,500 3,000		500 508 604	Nit S P Nit S	<b>R12 240 000</b>	STD
<b>ANK, AQF, AQJ, ARS AUW, AUX, AVP AWN, BAS, BFM</b>	4172	● A8 4.2 Quattro A6 4.2 Quattro	8	228-250 (310-340)							
<b>ABH, ABZ</b>	4172	● Audi 100 Quattro S4 4.2, A8 Quattro	8	206-220 (280-299)	84,500	1,750 1,750 3,000		500 508 604	Cr S IF P Nit S	<b>R12 250 000</b>	STD
	3123	● S4, A6, A8	6	188-255 (246-335)	84,500	1,200 1,500 2,000		500 508 604	Nit S P Nit S	<b>R12 300 000</b>	STD
	4163	● S4, A6, A8	8								

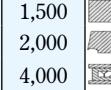
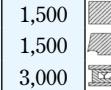
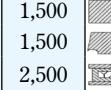
Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● BMW</b>											
<b>W10 B16A</b>	1397	● Mini One Cooper	4	70 (90)	77,000	1,200 1,200 2,500		500 508 700	Cr S IF P Cr P S	<b>R15 060 000</b> R15 060 050	STD 0,50
<b>W11 B16A</b>	1598	● Mini Cooper, Clubman Cooper S, Mini Cabrio R52 Mini Cabrio R53	4	88-155 (120-211)							
<b>N13 B16A</b>	1598	● 114i, 116i, 118i 316i, 320i ed	4	75-125 (102-170)	77,000	1,200 1,500 2,000		500 508 700	Cr S IF P Cr P S	<b>R15 260 000</b> R15 260 050	STD 0,50
<b>M20 B20</b>	1991	● 320i, 520i	6	90-95 (122-129)	80,000	1,500 2,000 3,500		500 508 700	Cr S IF P Cr P S	<b>R15 000 000</b> R15 000 050	STD 0,50
<b>M23 B23</b>	2315	● 323i		102-110							
<b>M41</b>	1675	● 318 tds	4	66 (90)	80,000	3,000 1,750 3,000		504 501 604	Cr P IFU Cr	<b>R15 140 000</b> R15 140 050 R15 140 100	STD 0,50
<b>M51 D25 WA</b>	2497	● 325 td, 325 tds, 525 td, 525 tds	6	85-105							
<b>M21 D24 W</b> <b>M21 D24 WA</b>	2443	● 320 d, 324 td, 524 td	6	63-84 (86-115)	80,000	2,500 2,000 3,500		505 501 604	Cr P Cr	<b>R15 010 000</b> R15 010 050	STD 0,50
<b>M50 B20 TÜ 1</b> <b>M50 B20 M</b>	1991	● 320 i, 520 i	6	110 (150)	80,000	1,500 1,500 2,000		500 508 700	Cr S IF P Nit S	<b>R15 150 000</b> R15 150 050 R15 150 100	STD 0,50
<b>M50 B20 M</b> <b>M52 B20</b>	1991	● 320 i, 520 i	6	110 (150)	80,000	1,500 1,750 3,000		500 508 603	CrB Fe S IF P P	<b>R15 160 000</b> R15 160 050 R15 160 100	STD 0,50
<b>M20 B20 L</b>	1990	● 320 i	6	92 (125)	80,000	1,500 2,000 3,000		500 508 700	CrB Fe S IF P Cr P S	<b>R15 270 000</b> R15 270 050 R15 270 100	STD 0,50
<b>M20 B20 -K, -L, -M, -V</b>	1990	● 320 i, 520 i	6	92-95 (125-129)	80,000	1,500 2,000 3,500		500 508 700	Cr S IF P Cr P S	<b>R15 280 000</b> R15 280 050 R15 280 100	STD 0,50
<b>M20 B23 -E, -K, -L</b>	2315	● 320 i	6	102-110 (139-150)							
<b>M57 D25</b>	2495	● 525 d Intercooler	6	120 (163)	80,000	2,500 2,000 3,000		500 508 604	CrB S IF P Cr P S	<b>R15 350 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● BMW</b>											
<b>M54 B22</b>	2171	● 320i, 520i Z3 2.2, Z4 2.2	6	125 (170)	80,000	1,200 1,500 2,000		500 508 604	NitB S IF P Nit S	R15 420 000 R15 420 050	STD 0,50
<b>M52 B25 A</b>	2497	● 523i 5 Touring	6								
<b>N43 B16</b>	1597	● 116 i, 316 i	4	90 (122)	82,000	1,200 1,500 2,000		500 508 700	Nit S P Nit S	<b>R15 360 000</b>	STD
<b>N52 B25</b>	2497	● X3 25i	6	160 (218)							
<b>M40 B18</b>	1795	● 318 i, 518 i	4	85 (115)	84,000	1,750 1,750 3,000		500 508 700	Cr S IF P Nit S	<b>R15 020 000</b> R15 020 050 R15 020 100	STD 0,50 1,00
<b>M70</b>	4998	● 750 i, 750 iL, 850 i	12	220 (300)							
<b>M50 B25</b>	2497	● 525 i	6	160 (218)	84,000	1,200 1,200 2,000		500 508 700	Nit S IF Fe Nit S	<b>R15 370 000</b> R15 370 050	STD 0,50
<b>M40 B16 ME</b>	1596	● 316 i	4	73-75 (99-102)	84,000	1,500 1,750 3,000		500 508 700	CrB S IF P Nit S	<b>R15 030 000</b> R15 030 050	STD 0,50
<b>M40 B18 ME</b>	1795	● 318 i, 518 i	4	77-83 (105-113)							
<b>M20 B25 M, -ME -ME8, -1Z7</b>	2494	● 325 i, 525 i, Z1	6	125-141 (170-192)							
<b>M20 B28 M 1Z7</b>	2693	● 325 e, 525 e	6	95 (129)							
<b>M10 B16, E21</b>	1574	● 315, 316, 318	4	55-66 (75-90)	84,000	1,750 2,000 4,000		500 508 603	Cr S IF P Fe	<b>R15 050 000</b> R15 050 050	STD 0,50
<b>N45 B16</b> <b>N46 B20 / -NB20</b> <b>N43 B19, N44 B19</b>	1995	● 116 i, 316 i, 318 i, 320 i X3 2.0 i, Z4 2.0 i	4	85-115 (115-156)	84,000	1,200 1,500 2,000		500 508 604	NitB S P Nit S	<b>R15 380 000</b> R15 380 050	STD 0,50
<b>M54 B25</b>	2494	● 325 i, 523 i, 525 i	6	125-140 (170-190)							
<b>M54 B30</b>	2979	● 330 i, 530 i, 730 i, X5, Z3, Z4	6	170 (231)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● BMW</b>											
<b>M43 B16</b>	1596	● 316 i	4	75 (102)	84,000	1,500 1,500 2,000		500 508 700	CrB Fe S IF P Nit S	<b>R15 170 000</b> R15 170 050 R15 170 100	STD 0,50 1,00
<b>M40 B18 E</b> <b>M42 B18, TÜ1,</b> <b>M43 B18</b>	1795	● 318 i, 518 i, 318 is, Z3	4	83-103 (113-140)							
<b>M50 B25, M1E, TÜ</b>	2494	● 323 i, 325 i, 523 i, 525 i	6	125-141 (170-192)							
<b>M52 B28</b>	2792	● 328 i, 528 i, 728 i, Z3	6	141-142 (192-193)							
<b>M60 B30</b>	2997	● 530 i, 730 i	6	160 (218)							
<b>M60 B30</b>	2997	● 530 i, 730 i	8	160 (218)	84,000	1,500 1,500 3,000		500 508 700	Cr S IF P Cr P IF	<b>R15 190 000</b> R15 190 050 R15 190 100	STD 0,50 1,00
<b>M70 R50</b>	4998	● 750 i, 850 i	12	220 (300)							
<b>N54 B30</b>	2979	● 335 i	6	225 (305)	84,000	1,500 1,500 2,500		500 508 700	Nit S P Nit S	<b>R15 390 000</b>	STD
<b>M20 B27 ME</b>	2693	● 325 e, 525 e	6	90-95 (123-129)	84,000	1,500 2,000 4,000		500 508 700	Cr S IF Fe Cr P S	<b>R15 200 000</b> R15 200 050	STD 0,50
<b>M47 D20</b>	1998	● 320 d	4	165 (224)	84,000	3,000 1,750 3,000		504 508 604	Nit S IF P Nit S	<b>R15 210 000</b> R15 210 050	STD 0,50
<b>M57 D20</b>	1951	● 118 d, 120 d, 318 d, 325 d, 330 d 335 d, 520 d, 525 d, 530 d, 535 d 730 d, 745 d	4	90-243 (122-330)	84,000	2,500 2,000 2,000		500 508 604	Nit S P Nit S	<b>R15 400 000</b>	STD
<b>M57 D25</b>	2498		6								
<b>M57 D30</b> <b>M57 N306 D4</b>	2998		6								
<b>M57 D44</b>	4423		8								

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● BMW</b>											
<b>M47 D20, M47 204 D1</b> <b>M47 204 D4</b>	1951	● 120 d, 318 d, 320 d, 520 d	4	85-120 (116-163)	84,000	3,000 2,000 3,000		504 508 604	Cr P P Cr P	<b>R15 410 000</b>	STD
<b>M57 D30</b> <b>M57 N306 D2</b>	2926	● 330 d, 530 d, 730 d, X5	6	130-142 (177-193)							
<b>M67 D40</b>	3901	● 740 d	8	180 (245)							
<b>M47 N204 D5</b>	1995	● 320d, 320td, E46 320cd 520d	6	120 (163)	84,000	3,000 2,000 3,000		504 508 604	Cr P P Nit S	<b>R15 430 000</b> R15 430 050	STD 0,50
<b>M57 N</b>	2997	● 330d, 330cd, 330xd, E53 X5 E60 530d, E61 530d, E65 730d	6	145-210 (197-286)							
<b>N47 D20A</b> <b>N47S D20D</b>	1995	● 116d, 118d, 120d 120d Cabriolet, 120d Coupe 318d, 320d, 320xd Touring 320d Cabriolet, 320xd Coupe 520d, 520d Touring X3 2.0d, X1 xDrive	4	85-150 (115-204)	84,000	1,750 1,750 2,000		500 508 604	Cr P P Nit S	<b>R15 440 000</b> R15 440 050	STD 0,50
<b>N47 TU</b>	1995	● 318d, 320d, 520d, 525d	4	135 (181)							
<b>M47 N</b>	1995	● 118d, 318d 320d, 520d	4	120 (163)	84,000	3,000 2,000 2,000		504 508 604	Cr P P Nit S	<b>R15 460 000</b> R15 460 050	STD 0,50
<b>M43 B19</b> <b>M44 B19</b>	1895	● 318 i, 318 Ci, 318 Ti, Z3	4	87-103 (118-140)	85,000	1,200 1,500 2,000		500 508 700	Nit S IF P Nit S	<b>R15 220 000</b> R15 220 050 R15 220 100	STD 0,50 1,00
<b>M73 B54</b>	5379		12	240 (326)							
<b>M30 B25</b>	2494	● 525, 525 i, 728, 728 i	6	106-110 (145-150)	86,000	1,750 2,000 4,000		500 508 700	Cr S IF P Cr P S	<b>R15 080 000</b> R15 080 050 R15 080 100	STD 0,50 1,00
<b>M30 B28</b> <b>M30 B28 L</b>	2788	● 528, 528 i, 628 Cs, 728, 728 i	6	121-135 (165-184)							
<b>S50 B30</b> <b>S50 B30</b>	2990	● M3 M3 USA	6	180-210 (245-286)	86,000	1,200 1,500 2,000		500 508 700	Nit S IF Fe Cr P S	<b>R15 290 000</b> R15 290 050 R15 290 100	STD 0,50 1,00
<b>S70 B56</b>	5576	● 850 Cs	12	279 (380)	86,000	1,500 1,750 2,500		500 508 700	Cr S IF Fe Nit S	<b>R15 300 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● BMW</b>											
<b>S50 B32</b>	3201	● M3 USA	6	180 (245)	86,400	1,200 1,500 2,000		500 508 700	Nit S IF Fe Nit S	<b>R15 310 000</b>	STD
<b>M10 B18 K</b> <b>M10 B18 S</b>	1766	● 316, 318, 518	4	66-75 (90-102)	89,000	1,750 2,000 4,000		500 508 604	Cr Fe S IF P P	<b>R15 090 000</b> R15 090 050 R15 090 100	STD 0,50 1,00
<b>M10 B20, M10 E20</b> <b>M15, E12</b>	1990	● 2000, 2000 ti, 2002, 2002 ti 2002 turbo, 320, 320 i, 520, 520 i	4	73-125 (100-170)							
<b>M30 B30</b>	2985	● 530 i, 630, 730, 730, 3.0	6	136-147 (185-200)							
<b>M30 B32</b>	3210	● 633 Csi, 732 i, 733 i, 3.0	6	132-145 (180-197)							
<b>M60 B40</b>	3982	● 540 i, 740 i, 840 Ci	8	210 (286)	89,000	1,500 1,500 3,000		500 508 700	Nit S P Nit S	<b>R15 120 000</b>	STD
<b>M60 B40</b>	3982	● 540 i, 740 i, 840 Ci	8	210 (286)	89,000	1,500 1,500 2,000		500 508 700	Cr S IF Fe Nit S	<b>R15 230 000</b> R15 230 050	STD 0,50
<b>M30 B30 ME 7</b>	2988	● 530 i, 730 i	6	145 (197)	89,000	1,500 2,000 3,500		500 508 604	Cr S IF P Cr	<b>R15 100 000</b> R15 100 050	STD 0,50
<b>M30 B32 LA</b>	3210	● 745 i	6	185 (252)							
<b>M30 B34 MA</b> <b>M30 B34 ME</b> <b>M30 B35 ME7</b>	3430	● 535 i, 635 Csi, 735 i	6	136-160 (185-218)	92,000	1,500 2,000 3,500		500 508 604	Cr S IF P Cr	<b>R15 130 000</b> R15 130 050 R15 130 100	STD 0,50 1,00
<b>M62 B44 LEV</b>	4395	● 540i, 740i, 840i X5	8	210 (286)	92,000	1,500 1,500 2,000		500 508 700	Nit S P Nit S	<b>R15 450 000</b> R15 450 050	STD 0,50
<b>B36</b>	3535	● M5	6	231 (315)	93,400	1,500 1,500 2,500		500 508 700	Cr S IF P Nit S	<b>R15 320 000</b> R15 320 050 R15 320 100	STD 0,50 1,00
<b>M30 B34</b> <b>M30 B35</b>	3453	● 535 i, 635 Csi, 735 i	6	160 (218)	93,400	1,500 2,000 3,500		500 508 700	Cr S IF P Nit S	<b>R15 240 000</b> R15 240 050 R15 240 100	STD 0,50 1,00

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● BMW</b>											
<b>M30 B35 L</b>	3453	● 535 i, 635 Csi, 745 i	6	160 (218)	93,400	1,500 2,000 4,000		500 508 700	Cr S IF P Cr P S	<b>R15 250 000</b> R15 250 050 R15 250 100	STD 0,50 1,00
<b>S14 B23</b>	2302	● M3	4	147/158 (200/215)	93,400	1,500 1,500 3,000		500 508 700	Cr S IF P	<b>R15 330 000</b> R15 330 050 R15 330 100	STD 0,50 1,00
<b>M20 B35</b>	3453	● 635 Csi	6	191-210 (260-286)					Nit S		
<b>S38 B38</b>	3795	● M5	6	250 (340)	94,600	1,500 1,500 2,500		500 508 700	Cr S IF P Nit S	<b>R15 340 000</b> R15 340 050 R15 340 100	STD 0,50 1,00

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	

## ● CHEVROLET

LDV	1248	● Aveo 1.3 D	4	55 (75)	69,600	1,500 1,500 2,000		500 501 604	Cr P P Nit S	<b>R16 020 000</b> R16 020 040 R16 020 060	STD 0,40 0,60
LSF	1248	● Aveo 1.3 D	4	70 (95)							
S-TEC II B12D	1206	● Spark 1.2, Aveo 1.2 Sail 1.2	4	62 (83)	69,700	1,200 1,200 2,000		500 501 700	Cr S IF P Cr P S	<b>R16 010 000</b> R16 010 025 R16 010 050	STD 0,25 0,50
A 14 NET B 14 NET LUJ	1364	● Aveo 1.4 Turbo, Cruze 1.4 Trax 1.4 LPG, Cruze SW 1.4 Orlando 1.4, Trax 1.4 Trax 1.4 AWD		103 (140)	72,500	1,200 1,200 2,000		500 508 700	Nit B S IF P Nit S	<b>R16 030 000</b> R16 030 050	STD 0,50
F14D3 85CB, 89CB	1796	● Lacetti 1.8	4	90 (122)	77,850	1,200 1,500 2,500		500 508 700	Cr B S IF P Cr P S	<b>R16 000 000</b> R16 000 025 R16 000 050	STD 0,25 0,50
LBS	1956	● Malibu 2.0 D	4	118 (160)	83,000	1,500 1,500 2,000		500 508 604	Cr P P Nit S	<b>R11 330 000</b> R11 330 050	STD 0,50

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● CITROEN</b>											
108C, XV8, LNA	954	● AX 10, Visa 10	4	32-35 (44-48)	70,000	2,000 2,000 4,000		500 508 605	Cr IF P P	R18 000 000	STD
TU9, TU9M, TU9Z XV8	954	● AX, Visa, Saxo, C5	4	33 (45)	70,000	1,500 1,500 3,000		500 501 700	CrB S IF P Cr P S	R18 010 000	STD
XW7	1124	● Visa, BX11	4	37 (50)	72,000	1,500 2,000 4,000		500 501 700	Cr S P Cr P S	R18 020 000	STD
TU1JP	1124	● C2, C3, Saxo	4	44 (60)	72,000	1,500 1,500 2,500		500 508 700	Cr S P Cr P S	R18 050 000	STD
TU1K, TU1M, TU1Z	1124	● AX, BX, ZX, C15, Berlingo, Saxo	4	44 (60)	72,000	1,500 2,000 3,000		500 508 700	Cr S P Cr P S	R18 120 000	STD
8HP 8HR	1399	● 207 1.4 Hdi 208 1.4 HDi 2008 1.4 HDi	4	50 (68)	73,700	2,500 1,950 2,000		514 501 604	Cr P P IFU Nit S	R18 360 000 R18 360 050	STD 0,50
108C, XV8, LNA	954	● AX 10, Visa 10	4	32-35 (44-48)	70,000	2,000 2,000 4,000		500 508 605	Cr IF P P	R18 000 000	STD
TU9, TU9M, TU9Z XV8	954	● AX, Visa, Saxo, C5	4	33 (45)	70,000	1,500 1,500 3,000		500 501 700	CrB S IF P Cr P S	R18 010 000	STD
XW7	1124	● Visa, BX11	4	37 (50)	72,000	1,500 2,000 4,000		500 501 700	Cr S P Cr P S	R18 020 000	STD
TU1JP	1124	● C2, C3, Saxo	4	44 (60)	72,000	1,500 1,500 2,500		500 508 700	Cr S P Cr P S	R18 050 000	STD
TU1K, TU1M, TU1Z	1124	● AX, BX, ZX, C15, Berlingo, Saxo	4	44 (60)	72,000	1,500 2,000 3,000		500 508 700	Cr S P Cr P S	R18 120 000	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	

## ● CITROEN

<b>8HX, 8HY DV4 TD, DV4 TED</b>	1398	● C1, C2, C3, Xsara, 1.4 HDI	4	40-66 (54-90)	73,700	2,500 1,950 2,500		505 501 604	CrB P P IFU Cr P	<b>R18 450 000</b>	STD
<b>G11</b>	602	● 2CV 6, Dyane 6, AMI 6, AMI 8	2	21/23 (28/32)	74,000	1,500 2,000 4,000		500 508 700	Cr S IF P Cr P S	<b>R18 030 000</b>	STD
	1015	● AMI Supe, Super 6, Break GS MMS 4, AMF 2, GSX, GSX2	4	41 (56)							
<b>M28, M28-1</b>	602	● 2CV 6, Dyane, Mehari, FAF AK400, Fourgonnette Acadiane	2	18-23 (24-31)	74,000	1,750 2,000 3,500		500 508 700	Cr S IF P Cr P S	<b>R18 040 000</b>	STD
<b>E1A</b>	1118	● GSX Special, GSX 1130, C15 1.1	4	40 (54)	74,000	1,750 2,000 4,000		500 508 700	Cr S IF P Cr S	<b>R18 060 000</b>	STD
<b>TU3 JP TU3 JPL4</b>	1361	● C2, C3, Saxo, Xsara, ZX Berlingo	4	55 (75)	75,000	1,500 1,500 2,500		500 508 700	CrFe S IF P Cr P S	<b>R18 160 000</b>	STD
<b>TU3 JP TU3 JPL4</b>	1361	● C2, C3, Saxo, Xsara, ZX Berlingo	4	55 (75)	75,000	1,500 1,500 2,500		500 508 603	Cr P P	<b>R18 460 000</b>	STD
<b>XY8</b>	1360	● Visa, GT	4	59 (80)	75,000	1,750 2,000 4,000		500 508 700	Cr B S IF P Cr P S	<b>R18 070 000</b>	STD
<b>TU3 A, TU3 M K2D</b>	1361	● AX14 TRS / -TS / -S BX, Berlingo, C15, ZX	4	44-55 (60-75)	75,000	1,750 2,000 3,000		500 508 700	Cr S IF P Cr P S	<b>R18 080 000</b>	STD
<b>TUD3</b>	1560	● AX14	4	37-39 (50-53)	75,000	2,250 1,750 3,000		500 501 603	Cr P P	<b>R18 090 000</b>	STD
<b>KFU ET3 J 4</b>	1360	● C2, C3, C4 1.4 i	4	65 (88)	75,000	1,200 1,500 2,500		500 508 604	Cr P P	<b>R18 240 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● CITROEN</b>											
<b>EB2M</b>	1199	● C-Elysee 1.2 VTi 72	3	53 (72)	75,000	1,000 1,000 2,000		500 508 604	Nit S P Nit S	<b>R18 520 000</b>	STD
<b>EB2</b>	1199	● C1 II 1.2 VTi 82, C3 II 1.2 VTi 82 DS3 1.2 VTi 82 C4 Cactus 1.2 VTi 82	3	60 (82)							
<b>R/V 06/630</b> <b>R/V 06/644-M29</b>	652	● LNA, Visa, Axel, Oltcit	2	25-26 (34-36)	77,000	1,500 2,000 3,000		500 506 700	Cr S IF P Cr P S	<b>R18 100 000</b>	STD
	652	● LNA, Visa, Special, Club GS 1220, GS X2	2	26-44 (36-65)	77,000	1,750 2,000 4,000		500 506 604	Cr S P Cr	<b>R18 110 000</b>	STD
	1198	● GS	4	43 (60)							
<b>TUD5 ATMO</b>	1527	● AX, Saxo, Xsara, ZX	4	42 (57)	77,000	2,000 1,750 3,000		500 501 604	Cr S P IFU Cr	<b>R18 470 000</b> R18 470 040	STD 0,40
<b>TU5 JP</b>	1587	● Saxo, Xsara, Berlingo	4	65 (88)	78,500	1,500 1,500 3,000		500 508 700	Cr S IF P Nit S	<b>R18 390 000</b> R18 390 050	STD 0,50
<b>TU5 JP4 NFU, NFX</b>	1587	● C2, C3, C4, Saxo, Xsara	4	80 (109)	78,500	1,200 1,500 2,500		500 508 604	MoB NS P P	<b>R18 480 000</b> R18 480 050	STD 0,50
<b>NFP EC5</b>	1587	● C-Elysee 1.6 VTi 115	4	85 (115)	78,500	1,000 1,200 2,000		500 508 604	Nit S IF P Nit S	R18 530 000 R18 530 050	STD 0,50
<b>TU5 JP4 NFU, NFX</b>	1587	● C2, C3, C4, Saxo, Xsara	4	80 (109)	78,500	1,200 1,500 2,500		500 508 700	CrB Fe S P Cr P S	<b>R18 300 000</b> R18 300 050	STD 0,50
<b>G 13/615</b> <b>G 13/645</b>	1299	● GSA, GSX Axel 7 CV	4	48 (65)	79,400	1,500 2,000 3,500		500 506 604	Cr S P Cr	<b>R18 130 000</b>	STD
<b>XUD7</b>	1769	● Visa, C15 D, C17 D, Xsara, BX Berlingo, ZX	4	44 (60)	80,000	2,000 2,000 3,000		500 501 604	Cr S Fe Cr	<b>R18 140 000</b> R18 140 050 R18 140 080	STD 0,50 0,80

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	

## ● CITROEN

XUD7 TE	1769	● BX19, Visa	4	66 (90)	80,000	3,000 2,000 3,000		504 501 604	Cr P Cr P	R18 150 000	STD
DW8, DW8 B WJY, WJZ	1868	● Berlingo, Jumpy, Xsara C15	4	51-68 (71-92)	82,200	2,000 2,000 3,000	  	500 508 604	CrB S P Cr	R18 370 000 R18 370 060	STD 0,60
XU5 S, XU52 C 171 BZ	1580	● BX15, BX16	4	59-69 (80-94)	83,000	1,750 1,750 4,000	  	500 508 700	CrFeS IF P Cr P S	R18 170 000	STD
XU7 JP4	1761	● Berlingo, Xantia, Xsara, ZX	4	66-85 (90-116)	83,000	1,500 1,500 3,000	  	500 508 700	CrFeS IF P Cr P S	R18 180 000	STD
XU9 J4, XU9 J4Z	1905	● BX19 GTI	4	115 (158)							
XU5 M	1580	● BX, Visa, ZX	4	58/65 (79/89)	83,000	1,500 1,500 4,000	  	500 501 700	CrB S IF P Cr P S	R18 190 000	STD
XU9 M, XU9 J D2A, D2C, D2E, D2F D61A, D6E	1905	● BX, ZX, Evasion	4	80-90 (109-122)							
XUD9 XUD9 A	1905	● Jumpy, Jumper, Berlingo, Xsara BX, ZX, C25, Xantia, Relay Dispatch, Evasion	4	48-52 (65-71)	83,000	2,000 2,000 3,000	  	500 501 604	Cr S P Cr	R18 200 000 R18 200 050	STD 0,50
XUD9 TE XUD9 TF	1905	● Xantia, Xsara, ZX, BX Synergie, Chassis, Despatch Evasion	4	66 (90)	83,000	3,500 2,000 3,000	  	504 501 604	Cr P Cr	R18 210 000 R18 210 050	STD 0,50
XUD9 TE XUD9 TF	1905	● Xantia, Xsara, ZX, BX Synergie, Chassis, Dispatch Evasion	4	66 (90)	83,000	3,000 2,000 3,000	  	504 501 604	Cr P P Cr P	R18 490 000 R18 490 050	STD 0,50
XUD11 ATE XUD11 ATE/L XUD11 BTE	2088	● XM, Xantia	4	80 (109)	85,000	3,000 2,000 3,000	  	504 501 604	Cr P Cr	R18 220 000	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● CITROEN</b>											
<b>DW10 ATED</b>	1997	● C5, C8, Jumper, Jumpy Xantia, Xsara, Berlingo	4	66-81 (90-110)	85,000	3,500 2,000 3,000		505 501 604	Cr P P IFU Cr P	<b>R18 440 000</b> R18 440 060	STD 0,60
<b>DW12 TED4</b>	2179	● C5, C8	4	98 (133)							
<b>EW10 J4</b> <b>EW10 L3, EW10 L4</b>	1998	● C4, C5, C8, Xsara, Jumpy	4	97-101 (132-137)	85,000	1,200 1,500 2,500		500 508 700	Nit S IF P Nit S	<b>R18 500 000</b>	STD
<b>M20-615/30N</b>	1985	● CX2000, Normale, Super Pallas, Confort	4	75 (102)	86,000	1,750 2,000 4,000		500 508 700	Cr S IF Fe Cr P S	<b>R18 230 000</b>	STD
<b>XU10 2C, XU10 J2</b> <b>Xu10 J4, XU10 J4R</b>	1998	● Evasion, Jumper, Xantia Xsara, XM, ZX	4	84-114 (114-155)	86,000	1,500 1,750 3,000		500 508 700	CrB S P Cr P S	<b>R18 250 000</b>	STD
<b>XUD11 A</b>	2138	● XMD 12	4	61 (83)	86,000	2,500 2,000 3,000		500 501 604	Cr P Cr	<b>R18 260 000</b>	STD
<b>XU10 J4 RS</b>	1998	● Xsara 2.0, Xantia 2.0i Evasion 2.0i	4	123 (167)	86,000	1,500 1,500 3,000		500 501 700	CrB S P Cr P S	<b>R18 380 000</b> R18 380 025 R18 380 060	STD 0,25 0,60
<b>XN1 T</b>	1971	● C25	4	56 (78)	88,000	1,500 2,000 4,000		500 501 700	Cr Fe Cr P S	<b>R18 270 000</b>	STD
<b>J6 RA</b>	1995	● CX	4	75/78 (102/106)	88,000	1,750 2,000 4,000		500 508 700	CrB S IF P IF Cr P S	<b>R18 280 000</b>	STD
<b>J6 TA</b>	2165	● CX22	4	84 (115)							
<b>B22 /615</b>	2175	● C35	4	46 (62)	90,000	2,000 2,000 4,000		500 506 604	Cr S Fe Cr	<b>R18 290 000</b>	STD
<b>M22 /621</b>	2175	● CX 2200	4	48 (66)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● CITROEN</b>											
<b>DJ5</b>	2446	● Jumper 2.5D	4	63 (86)	92,000	2,250 2,000 3,000		500 508 604	MoB P Cr	<b>R18 400 000</b>	STD
<b>DJ5</b>	2446	● Jumper 2.5D	4	63 (86)	92,000	2,250 2,000 3,000		500 508 604	Cr P P Cr P	<b>R18 410 000</b>	STD
<b>DK5 ATE T8A THZ, THY, THX</b>	2446	● Jumper, XM, VSX	4	76-96 (103-130)	92,000	3,000 1,750 3,500		504 501 604	MoB N IF Cr IF Cr P	<b>R18 420 000</b>	STD
<b>DJ5 TED THX</b>	2446	● Jumper	4	79 (107)	92,000	3,500 2,000 3,500		505 508 604	MoB N P Cr P	<b>R18 430 000</b>	STD
<b>DJ5 T DJ5 TED</b>	2446	● Relay TD, Jumper	4	95 (129)	92,000	3,500 2,000 3,000		505 508 604	Cr P Cr	<b>R18 510 000</b>	STD
<b>B25, M25, U25 M22</b>	2499	● C25, C35, C40, C45	4	51-55 (70-75)	93,000	2,500 2,000 4,000		500 501 604	Cr4 Cr P Cr P	<b>R18 310 000</b>	STD
<b>M25 /659</b>	2499	● CX 25, GTI, Pallas ie	4	101 (138)	93,000	2,000 2,000 3,500		500 506 700	Cr P Cr P S	<b>R18 320 000</b>	STD
<b>M22 /629</b>	2499	● CX 2500	4	55 (75)	93,000	3,000 2,000 4,000		504 508 604	Cr P IWU Cr	<b>R18 330 000</b>	STD
<b>M25 /629</b>	2499	● Cx 2500, Pallas, Confort Reflex	4	55 (75)	93,000	2,000 2,000 4,000		500 508 604	Cr P P Cr P	<b>R18 340 000</b>	STD
<b>ZPJ ZPJ4</b>	2963	● XM30, XM24	6		93,000	1,500 1,750 3,500		500 508 700	Cr S P Cr P S	<b>R18 350 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● CUMMINS</b>											
<b>3BT 2.9</b>	2900	● BN25, CD85, CN96	3	144 (193)	102,000	3,000 2,380 4,000		504 501 604	Cr P P IF Cr P	<b>R19 000 000</b> R19 000 050 R19 000 100	STD 0,50 1,00
<b>4BT 3.9, 4BTA 3.9</b>	3900		4								
<b>6BT 5.9, 6BTA 5.9</b>	5900		6								
<b>3B 2.9</b>	2900	● BN25, CD85, CN96	3	144 (193)	102,000	2,380 2,380 4,000		500 501 604	Cr P P IF Cr P	<b>R19 010 000</b> R19 010 050 R19 010 100	STD 0,50 1,00
<b>4B 3.9</b>	3900		4								
<b>6B 5.9</b>	5900		6								
<b>6CT 8.3, 6CTA 8.3</b>	8267		6	160-194 (214-263)	114,000	3,500 3,000 4,000		504 501 604	Cr P IF P IWU Cr P	<b>R19 020 000</b>	STD
<b>L-10, LTA-10</b>	10000			205 (305)	125,000	3,160 3,160 4,747		504 511 604	Cr P Cr IFU Cr P	<b>R19 040 000</b>	STD

Engine Type	cc	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● DACIA</b>											
688-09	1108	● 1210	4	25-39 (34-53)	70,000	1,750 2,000 3,500		500 501 700	Cr S IF P Cr P S	<b>R20 000 000</b>	STD
810-25, 810-26 810-29	1289	● 1300, 1310	4	29-47 (40-64)	73,000	1,750 2,000 4,000		500 508 700	Cr S P Cr P S	<b>R20 010 000</b>	STD
C1J	1397	● 1410	4	34-53 (47-72)	76,000	1,750 2,000 4,000		500 508 700	Cr S IF P Cr P S	<b>R20 020 000</b>	STD
K4M K4J	1598	● Logan 1.6, LPG	4	79 (107)	79,500	1,200 1,500 2,500		500 508 700	CrB Fe S P Cr P S	<b>R20 030 000</b>	STD
K7J  K4M K7M		● Logan 1.4, Sandero 1.4, LPG  ● Logan 1.6, Sandero 1.6, LPG	4	55 (75)	79,500	1,500 1,500 2,500		500 508 700	CrB Fe S IF P Cr P S	<b>R20 040 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● DAF</b>											
<b>XD3 P</b>	2498	● 400 EN	4	51-56 (70-76)	94,000	2,000 2,000 4,000		500 508 604	Cr P Cr	<b>R21 000 000</b> R21 000 040 R21 000 060 R21 000 100	STD 0,40 0,60 1,00
<b>XD3 T</b>	2498	● 400 ET	4	71 (96)	94,000	3,000 2,000 4,000		504 501 604	Cr P Cr	<b>R21 010 000</b> R21 010 040 R21 010 060 R21 010 100	STD 0,40 0,60 1,00
<b>400 D</b>	2498	● BN25, CD85, CD96	4	86-97 (115-132)	102,000	2,380 2,380 4,000		500 501 604	Cr P P IF Cr	<b>R21 020 000</b>	STD
<b>CT108 L</b>	5880	● 45.150	6	95-120 (130-163)	102,000	3,000 2,380 4,000		504 501 604	Cr P Cr	<b>R21 030 000</b>	STD
<b>DNS 620</b>	6239	● Series 1900	6	156 (212)	104,180	3,000 2,500 4,000		504 501 604	Cr Cr P Cr	<b>R21 120 000</b>	STD
<b>DN 620, DNT 620 NT 133</b>		● FA 1300, FA 1700			116-132 (158-180)						
<b>DH 825</b>	8250	● 1602, 2000, 2005, 2100, 2105 2205, 2525, 2300, 2305, 2500 2505	6	115-184 (156-250)	118,000	3,000 3,000 3,000 6,000		500 501 501 604	Cr P P Cr	<b>R21 040 000</b>	STD
<b>DHB 825, DHS 825 DHT 825, DHU 825 DHTU 825</b>	8250	● 2000, 2005, 2100, 2105 2200, 2300, 2305, 2505, 2525 FA, FT, FTT	6	71-184 (96-250)	118,000	3,500 3,000 3,000 6,000		504 501 501 604	Cr P P Cr	<b>R21 050 000</b>	STD
<b>RS180, RS200, RS222</b>	8650	● FA 75.300	6	222 (302)	118,000	3,500 3,000 4,000		504 501 604	Cr Cr Cr	<b>R21 130 000</b>	STD
<b>PF 183M, PF 212M PF 235M</b>	9186	● CF250, CF290, CF320			183-235 (249-320)						

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	
<b>● DAF</b>										
<b>1160 Series ; DK, DKB, DKA, DKL DKDL, DVK, DKS, DKSE DKVL, DKCL, DHS, DKZ DKT, DKTd, DKTl, DkX DKXE LT</b>	11630	● DK/-360, -464, -475, ATE 2400 FA2600, FT2600, FAT2605 DKB/-325, -360, -390, -392, -447 -450, -460, -475, -500, -540	6	156 (212)	118,000	3,160 3,160 3,160 6,330		Cr P P Cr	<b>R21 070 000</b>	STD
		● DKA/-280, -310, -350, -360, -475	6	97-169 (132-230)						
		● DKS/-325, -340	6	139-260 (189-354)						
		● DKS/-325, -340, -360, -380, -390 -450, -475, -500, -540 FT2800/2805, FTR3300, FAG3305 FTG3325	6	205-315 (279-428)						
		● ATI/-3300, -3305, -3325, -3603 -3605, -3625	6	212-274 (288-373)						
<b>1160 ATI</b>	11630	● Series; ATI	6	212-274 (288-373)	130,000	3,160 3,160 6,330		Cr P Cr	<b>R21 080 000</b>	STD
<b>1160 Series</b>	11630	● 325, 360, 464, 475, 2400 200, 201	6	230-260 (312-354)	130,000	3,160 3,160 3,160 6,330 6,330		Cr P P Cr P	<b>R21 090 000</b>	STD
<b>1160 Series</b>	11630	● 325, 360, 475, 2400, 200, 201	6	230-260 (312-354)	130,000	3,160 3,160 3,160 6,330		Cr P P Cr	<b>R21 100 000</b>	STD
<b>1160 WS</b>	11630	● 95.310, 95.350, 95.380	6	225-282 (306-383)	130,000	4,000 3,160 4,000		Cr P Cr	<b>R21 110 000</b>	STD
<b>WD259, WS225, WS242 G/L, WS315 L WS268 G/L, WS295 L</b>	11622	● 95.350, 95.310, 95.330, 95.360 85.360, 95.400, 95.430	6	225-315 (306-428)	130,000	4,000 3,160 4,000		Cr Cr Cr	<b>R21 140 000</b>	STD
<b>WS295 /-G, WS315</b>	11627	● 95.400, Marine	6	260-315 (354-428)						
<b>WS242, WS268 WS315</b>	11630	● 85.330, 85.360, 95.360, 95.430	6	242-315 (329-428)						

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring			
			No	(HP)	Diam	Height	Type	Set No.

● DAF

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	

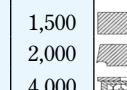
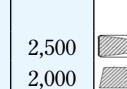
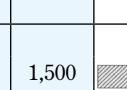
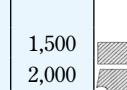
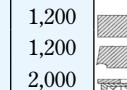
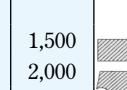
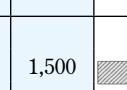
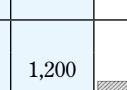
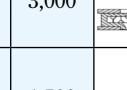
## ● FIAT - IVECO

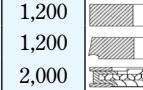
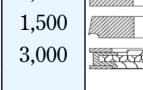
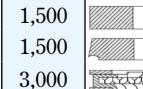
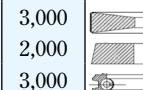
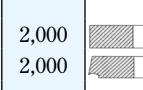
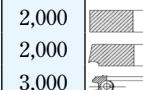
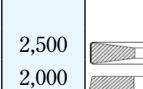
<b>145 A4.000</b> <b>156 A4.000</b> <b>M204 AA.07.0</b>	770	● Panda 750	4	25 (34)	65,000	1,500 1,500 3,000		500 508 700	Cr S IF P Cr P S	<b>R22 000 000</b>	STD
<b>170 A1.000 / -A1.046</b>	903	● 500 0.9	4	30 (41)							
<b>141 B.000</b> <b>M020 GS07.0</b>	770	● Panda	4	25 (34)	65,000	1,750 2,000 3,947		500 508 700	CrBFeS IF P Cr P S	<b>R22 010 000</b> R22 010 040 R22 010 060	STD 0,40 0,60
<b>100 G.000 / -G.002</b> <b>100 GC.000</b>	843	● 850	4	25-36 (34-49)							
<b>100 GL.000 / -GC.000</b> <b>100 GF.003 / -GT.000</b> <b>100 GBC.000</b>	903	● 127, 500, 850, Marbella, Uno Panda	4	26-50 (35-68)							
<b>M020 CB.09.0</b> <b>A112 B1.000</b>	965	● Panda, A112	4	35 (48)	67,200	1,500 1,750 3,947		500 508 700	Cr S IF P Cr P S	<b>R22 020 000</b>	STD
<b>199 A3.000</b> <b>263 A2.000</b>	1248	● Doblo 1.3 D Multijet Doblo Combi 1.3 D Multijet	4	66 (90)	69,600	1,500 1,500 2,000		500 501 604	Cr P P Nit S	<b>R22 860 000</b> R22 860 040 R22 860 060	STD 0,40 0,60
<b>199 B1.000</b>	1248	● 500 1.3 D Multijet 500 C 1.3 D Multijet Fiorino 1.3 D Multijet Idea 1.3 D Multijet Punto 1.3 D Multijet Starda 1.3 D Multijet	4	70 (95)							
<b>145 A4.000</b> <b>156 A4.000</b> <b>M204 AA.07.0</b>	770	● Panda 750	4	25 (34)	65,000	1,500 1,500 3,000		500 508 700	Cr S IF P Cr P S	<b>R22 000 000</b>	STD
<b>170 A1.000 / -A1.046</b>	903	● 500 0.9	4	30 (41)							
<b>141 B.000</b> <b>M020 GS07.0</b>	770	● Panda	4	25 (34)	65,000	1,750 2,000 3,947		500 508 700	CrBFeS IF P Cr P S	<b>R22 010 000</b> R22 010 040 R22 010 060	STD 0,40 0,60
<b>100 G.000 / -G.002</b> <b>100 GC.000</b>	843	● 850	4	25-36 (34-49)							
<b>100 GL.000 / -GC.000</b> <b>100 GF.003 / -GT.000</b> <b>100 GBC.000</b>	903	● 127, 500, 850, Marbella, Uno Panda	4	26-50 (35-68)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● FIAT - IVECO</b>											
<b>M020 CB.09.0</b> <b>A112 B1.000</b>	965	● Panda, A112	4	35 (48)	67,200	1,500 1,750 3,947	  	500 508 700	Cr S IF P Cr P S	<b>R22 020 000</b>	STD
<b>199 A3.000</b> <b>188 A9.000</b> <b>M733 AT.12.Z</b>	1248	● 500, Doblo, Panda, Albea Linea, Idea, Grande Punto 1.3 Multijet 16v	4	51-70 (70-95)	69,600	2,000 1,500 2,000	  	500 501 604	Cr P P Nit S	<b>R22 030 000</b> R22 030 040	STD 0,40
<b>156 A2.050 / -A2.246</b> <b>156 A3.000, 156 C.046</b>	999	● Panda 1000, Uno, 45, 50, 60	4	33-43 (45-58)	70,000	1,500 1,500 3,000	  	500 501 700	CrB Fe S IF P Cr P S	<b>R22 040 000</b>	STD
<b>160 A3.000</b> <b>M204 AA.11.0</b>	1108	● Uno 60, Tipo 1.1	4	41 (55)							
<b>176 A7.000 / -A8.000</b> <b>176 B4.000 / -B9.000</b> <b>178 B5 / 178 E2</b> <b>182 B2, 188 A4</b> <b>188 A5, 223 A5</b>	1108	● Palio, Brava, Marea, Stilo Doblo, Panda, Idea Punto 60, 75, 85	4	40-59 (54-80)	70,000	1,200 1,200 2,500	  	500 508 700	CrB Fe S IF P Nit S	<b>R22 640 000</b> R22 640 040	STD 0,40
<b>176 A7.000 / -A8.000</b> <b>176 B4.000 / -B9.000</b> <b>178 B5 / 178 E2</b> <b>182 B2, 188 A4</b> <b>188 A5, 223 A5</b>	1242	● Palio, Bravo, Marea, Stilo Doblo 1.2, Panda, Siena Punto 60, 75, 85	4	44-63 (60-86)	70,800	1,200 1,200 2,500	  	500 501 700	CrB PS IF P Cr P S	<b>R22 650 000</b> R22 650 040 R22 650 060	STD 0,40 0,60
<b>M671 AA.14Z</b>	1368	● Panda, Punto, Bravo, Linea Doblo 1.4, Idea, 500 Abarth	4	57-114 (77-155)	72,000	1,000 1,200 2,000	  	500 508 604	NitB S IF P Nit S	<b>R22 050 000</b> R22 050 040	STD 0,40
<b>843 A1.000</b>	1368	● Doblo, Punto, Stilo, Palio 1.4	4	66-70 (90-96)	72,000	1,200 1,200 2,000	  	500 508 604	Cr P P Nit S	<b>R22 810 000</b> R22 810 040	STD 0,40
<b>124 A.000</b> <b>124 BL.016</b>	1197	● 124 Berlina Familiare	4	44 (60)	73,000	1,500 2,000 3,947	  	500 508 605	Cr S P	<b>R22 060 000</b> R22 060 040 R22 060 060	STD 0,40 0,60
<b>131 A.000 / -B.000</b> <b>131 BC.74.0</b>	1297	● 131	4	40-60 (55-82)	76,000	1,500 2,000 3,947	  	500 508 700	Cr S P Cr P S	<b>R22 080 000</b> R22 080 040 R22 080 060	STD 0,40 0,60
<b>127 A5.000</b> <b>M703 AA</b>	1302	● Uno D, Panda, 127, Spazio	4	33 (45)	76,000	2,500 2,000 3,000	  	504 508 604	Cr P Cr	<b>R22 100 000</b> R22 100 060	STD 0,60

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	

## ● FIAT - IVECO

<b>128 A1.000</b>	652	● 126, Panda 30	2	17 (24)	77,000	1,500 2,000 4,000		500 508 700	MoB S P Cr P S	<b>R22 110 000</b> R22 110 040 R22 110 060	STD 0,40 0,60
<b>M709 AT.13.0</b> <b>M709 BT.13.0</b>	1367	● Uno TD	4	51-53 (70-72)	78,000	2,500 2,000 3,000		504 501 604	Cr P Cr	<b>R22 120 000</b> R22 120 040 R22 120 060	STD 0,40 0,60
<b>198 A6.000</b> <b>263 A4.000</b>	1598	● Bravo II 1.6 D Multijet Doblo 1.6 D Multijet	4	66 (90)	79,500	1,500 1,500 2,000		500 508 604	Cr P P Nit S	<b>R22 880 000</b> R22 880 040 R22 880 060	STD 0,40 0,60
<b>198 A3.000</b> <b>199 B5.000</b>	1598	● Bravo II 1.6 D Multijet Doblo 1.6 D Multijet Linea 1.6 D Multijet 500 L 1.6 D Multijet	4	77 (105)							
<b>126 A2.000</b> <b>M024 AA.07.0</b>	704	● 500, 126	2	19-22 (26-30)	80,000	1,500 2,000 3,940		500 508 700	CrB Fe S P CrPS	<b>R22 130 000</b> R22 130 040 R22 130 060 R22 130 080	STD 0,40 0,60 0,80
<b>128 A.000 / -AC5.000</b> <b>138 A.000 / -B.000</b> <b>138 B1.000 / -C1.000</b> <b>146 A4.000 / -A4.048</b>	1116	● Ritmo, Uno, 128	4	40-48 (55-65)							
<b>182 B6.000 Euro 3</b> <b>M645 WA.15.Z</b>	1596	● Brava, Bravo, Doblo, Marea Palio, Siena, Stilo, 1.6	4	76 (103)	80,500	1,200 1,200 2,000		500 508 700	Nit S P Nit S	<b>R22 070 000</b>	STD
<b>M603 AT.13.0</b> <b>146 A2.000</b>	1301	● Uno Turbo	4	73-77 (100-105)	80,500	1,500 2,000 4,000		500 508 604	Cr S IF P Cr P	<b>R22 140 000</b> R22 140 040 R22 140 060	STD 0,40 0,60
<b>M202 PA.13.0</b> <b>M605 PB.13.0</b> <b>146 C1.000 / -C5.000</b> <b>146 D5.000</b> <b>160 A1.046 / A4.000</b>	1372	● Fiorino, Tempra, Tipo, Mille Elba, Uno 70	4	51-57 (70-79)	80,500	1,500 1,750 3,000		500 508 700	CrB S IF P Cr P S	<b>R22 150 000</b> R22 150 040 R22 150 060	STD 0,40 0,60
	1372	● Uno, Punto, Palio, Tempra 1.4	4	51 (69)	80,500	1,200 1,500 3,000		500 508 700	Cr S IF P Cr P S	<b>R22 660 000</b>	STD
<b>146 A8.000</b> <b>176 A4.000</b> <b>M603 BT.13.0</b>	1372	● Punto, Uno Turbo	4	84-100 (114-136)	80,500	1,500 2,000 3,000		500 501 700	Cr S IF Fe Cr P S	<b>R22 670 000</b> R22 670 040 R22 670 060	STD 0,40 0,60

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● FIAT - IVECO</b>											
<b>182 B6.000</b>	1596	● Brava, Bravo, Doblo, Marea Palio, Stilo 1.6 16v	4	76 (103)	80,500	1,200 1,200 2,000		500 508 700	NitB S IF P Nit S	<b>R22 760 000</b> R22 760 040	STD 0,40
<b>175 A3.000</b> <b>M648 FT.19.T</b>	1998	● Marea, Coupe 2.0v Turbo	5	162 (220)	82,000	1,200 1,500 3,000		500 508 700	Cr S IF Fe Cr P S	<b>R22 680 000</b> R22 680 040 R22 680 060	STD 0,40 0,60
<b>M634 AA</b> <b>182 A3.000</b>	1369	● Marea, Bravo, Brava	4	83-103 (113-140)	82,000	1,500 1,500 3,000		500 508 700	Cr S P Cr P S	<b>R22 690 000</b> R22 690 040 R22 690 060	STD 0,40 0,60
<b>M646 AA.17.T</b> <b>182 A</b>	1747	● Barquetta, Bravo, Brava Marea, Coupe	4	55-59 (75-80)							
<b>M648 AA.19.T</b> <b>182 A1.000</b>	1910	● Bravo 2.0v, Marea 2.0v Coupe	5	108 (147)							
<b>182 A7, 182 A8, 182 B4</b> <b>M720 AT.19.T</b> <b>M724 BT.19.T</b>	1910	● Marea, Bravo, Brava, Marengo Stilo	4	55-91 (75-124)	82,000	3,000 2,000 3,000		504 501 604	Cr P P IFU Cr P	<b>R22 700 000</b> R22 700 040 R22 700 060	STD 0,40 0,60
<b>M717 AT.24.T</b> <b>M722 BT.24.T</b> <b>M722 MT.24.T</b>	2387	● Marea	5	91-100 (124-136)							
<b>M724 NT.19.T</b> <b>M724 RT.19</b> <b>M724 MT.19</b> <b>192 A1.000</b> <b>937 A5.000</b>	1910	● Marea, Stilo, Croma, Doblo Idea, Punto, Sedici Multijet 1.9 JTD 8v Multijet 1.9 JTD 16v	4	59-110 (80-150)	82,000	2,000 2,000 2,000		500 508 604	Cr P P Cr P	<b>R22 730 000</b> R22 730 040 R22 730 060	STD 0,40 0,60
<b>841 G.000, 841 M.000</b> <b>841 N.000</b> <b>M729 AT.24</b>	2387	● Brava, Croma Multijet 2.4 JTD 20v	5	129-147 (175-200)							
<b>DW8, DW 8B</b> <b>WJY, WJZ</b>	1868	● Sudo	4	51-52 (69-71)	82,200	2,000 2,000 3,000		500 508 604	CrB S P Cr P	<b>R22 090 000</b> R22 090 060	STD 0,60
<b>M708 FA.17</b>	1697	● Fiorino, Uno, Tipo	4	43 (58)	82,600	2,500 2,000 3,000		504 508 604	Cr P Cr P	<b>R22 160 000</b> R22 160 040 R22 160 060	STD 0,40 0,60
<b>M705 CA.19</b> <b>M705 VA.19.S</b> <b>149 B1.000</b>	1930	● Ducato, Uno, Tempra	4	44-51 (60-70)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● FIAT - IVECO</b>											
<b>149 B2.000 / -B3.000</b> <b>149 B4.000 / -B4.046</b> <b>M705 BA.19.0</b>	1697	● Fiorino, Regata, Ritmo Uno D, Tipo	4	43-44 (58-60)	82,600	2,500 2,000 4,000		504 508 604	Cr P Cr P	<b>R22 170 000</b> R22 170 040 R22 170 060 R22 170 080	STD 0,40 0,60 0,80
<b>149 A1.000 / -B1.000</b> <b>160 A7.000</b> <b>M705 FA.19.010</b>	1929	● Ducato, Marengo, Regata Tempra, Tipo, Brava, Bravo	4	48-51 (65-70)							
<b>M707 HT.19.0</b> <b>F280 A1.000</b>	1930	● Ducato TD	4	60 (82)	82,600	3,000 2,000 4,000		504 508 604	Cr P Cr P	<b>R22 180 000</b> R22 180 040 R22 180 060	STD 0,40 0,60
<b>M708 HT.17</b> <b>176 A5.000</b>	1698	● Punto, Ducato, Tempra, Tipo	4	52-68 (71-92)	82,600	3,000 2,000 3,000		504 508 604	Cr P Cr P	<b>R22 190 000</b> R22 190 040 R22 190 060 R22 190 080	STD 0,40 0,60 0,80
<b>M710 AT.19.0</b> <b>160 A6.000</b> <b>718 AT.19 / -TT.19.L</b>	1929	● Talento, Ducato, Tempra, Tipo	4	59-68 (80-92)							
<b>M711 KT.19</b>	1930	● Croma TD	4	69 (94)	82,600	2,000 2,000 3,000		500 508 604	Cr P Cr P	<b>R22 710 000</b> R22 710 040 R22 710 060	STD 0,40 0,60
<b>138 A5.000</b> <b>138 B6.000</b>	1714	● Ritmo, Regata	4	40-43 (55-58)	83,000	2,500 2,000 4,000		504 506 604	Cr P Cr P	<b>R22 200 000</b> R22 200 040 R22 200 060	STD 0,40 0,60
<b>XU7 JP4</b> <b>XU7 JPZ</b>	1761	● Scudo	4	66-76 (90-103)	83,000	1,500 1,500 3,000		500 508 700	GrFeSiF P Cr PS	<b>R22 240 000</b>	STD
<b>D8B, D8C, DHX</b> <b>XUD9 TF, XUD9 TE</b> <b>XUD9 BTF</b>	1905	● Scudo, Ducato	4	66-68 (90-92)	83,000	3,000 2,000 3,000		504 501 604	Cr P P Cr P	<b>R22 250 000</b>	STD
<b>XUD9 TE</b> <b>XUD8 B</b>	1905	● Scudo 1.9 TD	4	68 (92)	83,000	3,500 2,000 3,000		504 501 604	Cr P Cr P	<b>R22 260 000</b>	STD
<b>M649 AA.24.T.TER</b> <b>838 A2.000</b>	2446	● Lancia 2.4i 20v Lancia 2.4i 20v Coupe	5	129 (175)	83,000	1,200 1,500 3,000		504 508 604	Cr P S P Cr P	<b>R22 740 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● FIAT - IVECO</b>											
<b>192 A2.000</b> <b>M649 HA.24.V.025</b>	2446	● Stilo	5	129 (175)	83,000	1,200 1,200 2,000		506 508 604	P P P	<b>R22 770 000</b>	STD
<b>250 A1.000</b>	1956	● Ducato 115 Multijet 2.0 D	4	85 (116)	83,000	1,500 1,500 2,000		500 508 604	Cr P P Nit S	<b>R22 920 000</b> <b>R22 920 050</b>	STD 0,50
<b>263 A1.000</b>	1956	● Doblo 2.0 D Multijet Sedici 2.0 D Multijet	4	99 (135)							
<b>940 A5.000</b>	1956	● Freemont 2.0 JTD	4	103 (140)							
<b>198 A5.000</b> <b>939 B5.000</b>	1956	● Freemont 2.0 JTD Freemont 2.0 JTD 4x4 Bravo II 2.0 D Multijet	4	100-125 (136-170)							
	1400	● Ritmo 105TC, 125TC	4		84,000	1,000 1,500 3,000		500 508 700	Nit S IF P Nit S	<b>R22 210 000</b>	STD
	1600	● Lancia Monte Carlo									
<b>M400 BT.16.0</b> <b>831 A7.000</b>	1585	● Lancia Delta	4	103-105 (140-143)	84,000	1,500 1,500 3,000		500 508 700	CrB Fe S P Nit S	<b>R22 220 000</b> <b>R22 220 040</b> <b>R22 220 060</b>	STD 0,40 0,60
<b>159 44.000</b> <b>835 C2.000</b> <b>M610 LA 18C</b>	1756	● Tempra, Tipo	4	77-81 (105-110)							
<b>154 A, 834 C, 836A</b> <b>M 601 HA</b>	1995	● Croma, Tempra, Tipo	4	110-113 (150-153)							
<b>131 B1.000</b> <b>132 C.000</b> <b>132 D.000</b>	1585	● 131, 132, Argenta	4	71-72 (96-98)	84,000	1,500 2,000 3,947		500 508 605	CrB Fe S IF P P	<b>R22 230 000</b> <b>R22 230 040</b> <b>R22 230 060</b>	STD 0,40 0,60
<b>131 B, 131 C, 132 C</b> <b>132 D, 154 A, 834 B</b> <b>M 601, M 834</b>	1995	● 131, 132, Argenta, Croma Croma T	4	66-129 (90-175)							
<b>XM 7 T</b>	1795	● Ducato 10, Furgone	4	51 (69)	84,000	1,500 2,000 4,000		500 508 700	Cr S IF P Cr P S	<b>R22 280 000</b>	STD
<b>XUD11 BTE</b>	2088	● Ulysee 2.2 JTD	4	80 (109)	85,000	3,000 2,000 3,000		504 501 604	Cr P Cr	<b>R22 330 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● FIAT - IVECO</b>											
<b>DW10 ATED</b> <b>RHX, RHV, RHW, RHZ</b>	1997	● Scudo, Ducato, Ulysee, 2.0 JTD	4	69-94 (93-128)	85,000	3,500 2,000 3,000		505 501 604	Cr P P IFU Cr P	<b>R22 570 000</b> R22 570 060	STD 0,60
<b>RHX, RHV, RHW, RHZ</b>	2179	● Ulysee 2.2 JTD	4	98 (133)							
<b>128 A1.000</b> <b>128 AC.000</b> <b>128 AR.000</b> <b>128 AS.000</b>	1290	● X 1/9, 128	4	44-55 (60-75)	86,000	1,500 2,000 3,947		500 508 605	Cr S IF P P	<b>R22 270 000</b> R22 270 040 R22 270 060	STD 0,40 0,60
<b>XU 10 2 C</b> <b>XU 10 J 2 Z</b> <b>RFU, RFW, RGU</b>	1998	● Ducato, Ulysse	4	84-89 (114-121)	86,000	1,500 1,750 3,000		500 508 700	CrB S P Cr PS	<b>R22 580 000</b>	STD
<b>128 A3.000</b> <b>138 A1.000</b> <b>138 A3.000</b> <b>149 A3.000</b>	1302	● Regata 70, Ritmo 65 Ritmo 70 Super, Uno 70 Super	4	48-55 (65-75)	86,400	1,500 2,000 4,000		500 508 700	Cr S P Cr PS	<b>R22 290 000</b> R22 290 040 R22 290 060	STD 0,40 0,60
<b>138 B3.000</b>	1498	● Ritmo, Regata	4	55-61 (75-82)							
<b>159 A, 160 A, 176 A</b> <b>835 C</b>	1581	● Punto, Scudo, Tempra, Tipo Bravo, Elba, Fiorino	4	59-66 (80-90)							
<b>159 A3.000</b> <b>M 202 PB 15.0</b>	1581	● Tipo, Tempra, Punto	4	59-66 (80-90)	86,400	1,500 1,750 3,000		500 508 700	CrB Fe S P Cr PS	<b>R22 300 000</b> R22 300 040 R22 300 060	STD 0,40 0,60
<b>182 A4.000</b> <b>182 A6.000</b> <b>M 645 BA 15.T</b>	1581	● Bravo, Brava, Palio, Siena Stilo, Marea, Doblo	4	76 (103)	86,400	1,500 1,500 3,000		500 501 700	Cr P IW P IWU Cr PS	<b>R22 590 000</b> R22 590 040 R22 590 060	STD 0,40 0,60
<b>XN 1 T, P 170 B</b>	1970	● Ducato 13, Furgone	4	55-57 (75-78)	88,000	1,500 2,000 4,000		500 501 700	Cr P Cr PS	<b>R22 310 000</b>	STD
<b>8144.65.200 /-300</b>	1995	● 131D, 132D	4	44 (60)	88,000	2,000 2,000 4,000		500 501 604	Cr S P IF Cr P	<b>R22 320 000</b>	STD
<b>F1AE0481C</b>	2286	● Ducato 2.3 JTD	4	81 (110)	88,000	2,500 2,000 2,500		504 501 604	Cr P IF Cr P	<b>R22 910 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● FIAT - IVECO</b>											
<b>DK5 ATE DJ 5 T</b>	2446	● Ducato	4	76-96 (103-130)	92,000	3,000 1,750 3,500	  	504 501 604	MoBN IF Cr IF Cr P	<b>R22 720 000</b> R22 720 050	STD 0,50
<b>8140.21, 8144.21 8140.07.2700 / -3700 8140.27.2700 8140.47.2700 8140.67.2700</b>	2445	● Ducato, Daily, Grinta	4	55-85 (75-115)	93,000	3,000 2,000 3,000	  	504 501 604	Cr P P Cr P	<b>R22 340 000</b> R22 340 040 R22 340 060	STD 0,40 0,60
<b>CRD 93, U 25 B 25.637</b>	2499	● Ducato, Argenta D, 131D, 132D Alfa 30 AR8, Alfa 35 AR8	4	50-55 (68-75)	93,000	2,000 2,000 4,000	  	500 508 604	Cr P P Cr P	<b>R22 350 000</b> R22 350 040 R22 350 060	STD 0,40 0,60
<b>8140.61 8142.61 8144.61</b>	2445	● Ducato 13/14, Daily 30 F8 '32 F8, -35 F8, -40 F8 131D, 132D, Argenta D	4	53 (72)	93,000	3,000 2,000 4,000	  	500 508 604	Cr P P Cr P	<b>R22 360 000</b> R22 360 040 R22 360 060	STD 0,40 0,60
<b>8140.61, 8142.61 8144.61</b>	2445	● Argenta, Ducato, Maratea Marengo, Campagnola	4	53 (72)	93,000	3,000 2,000 3,000	  	500 508 604	Cr P P Cr P	<b>R22 370 000</b> R22 370 040 R22 370 060	STD 0,40 0,60
<b>B25/637</b>	2499	● 242E	4	52 (70)	93,000	2,500 2,000 4,000	  	500 501 604	Cr4 Cr P Cr P	<b>R22 750 000</b>	STD
<b>8140.23.3700 /-3900 8140.43.3700 /-3728</b>	2798	● Ducato, Daily	4	77-85 (105-115)	94,400	3,000 2,000 3,000	  	504 501 604	Cr P P IWU Cr P	<b>R22 560 000</b> R22 560 040 R22 560 060	STD 0,40 0,60
<b>8140.23.3700 /-3900 8140.43.3700 /-3728 8140.43S</b>	2798	● Ducato, Daily	4	77-92 (105-125)	94,400	2,500 2,000 2,500	  	504 501 604	Cr P P Cr P	<b>R22 780 000</b> R22 780 040 R22 780 060	STD 0,40 0,60
<b>8140.63.2200</b>	2798	● Ducato, New Daily, Maxi 2.8D	4	63-90 (85-122)	94,400	3,000 2,000 2,500	  	504 501 604	Cr P P IWU Cr P	<b>R22 790 000</b> R22 790 040 R22 790 060	STD 0,40 0,60
<b>802.000</b>	1560	● 250, 255, 300, 400	2	19 825)	95,000	2,500 2,500 5,000	  	500 508 604	Cr P IF P Cr P	<b>R22 380 000</b>	STD
<b>803.000</b>	2300		3	28-38 (38-51)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● FIAT - IVECO</b>											
804.000	3100		4	40-52 (54-70)							
806.000	4700		6	66-81 (90-110)							
F1CE0481HA /-HC /-FA	2998	● Ducato Daily 3.0 HPI 50	4	107-130 (146-176)	95,800	2,500 2,000 2,500	  	504 501 604	Cr P P P	<b>R22 870 000</b>	STD
8035.06	2710	● DI 15,-20,-25, DIM 20,-25 Forklift	3	40 (55)	100,000	2,500 2,500 4,000	  	500 508 604	Cr P Cr P	<b>R22 390 000</b> R22 390 060	STD 0,60
8040.02	3457	● 65 NC, 70 NC, 75 NC Forklift	4	42 (60)							
8060.02, 8065.02 8065.06	5818	● 80 NC/NT/NR, 90 NC/PC/P 100 NCL, 110NC/NR/NT/PC	6	74-90 (100-122)							
8025.02	1728	● Tractor 300, 350, 355	2	24 (32)	100,000	2,500 2,500 5,500	  	500 508 604	Cr P P Cr P	<b>R22 400 000</b> R22 400 060	STD 0,60
8030.02, 8035.02	2592		3	33-46 (45-63)							
8040.02, 8045.02	3456		4	44-60 (60-82)							
8060.02, 8065.02	5184		6	74-90 (101-122)							
8065.06	5418	● Tractor	6	73 (100)	100,000	3,000 2,500 4,000	  	504 501 604	Cr P P Cr P	<b>R22 600 000</b> R22 600 060	STD 0,60
F4AE0481 A, -C, -D E13, E15, E17 Tector	3920	● EuroCargo Tector NEF 60, 75, 80, 100, 110, 120, 130 150	6	95-125 (130-170)	102,000	3,000 2,380 4,000	  	504 501 604	Cr P P IW Cr P	<b>R22 800 000</b>	STD
F4AE0681 A, -B, -D, -E E18, E21, E24, E28 Tector	5880	● EuroCargo Tector NEF 60, 75, 80, 100, 110, 120, 130 150	6	134-202 (182-275)							

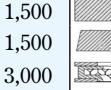
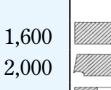
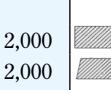
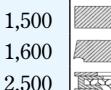
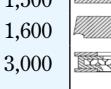
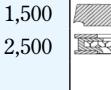
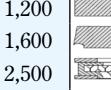
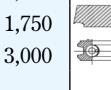
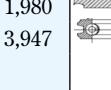
Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● FIAT - IVECO</b>											
<b>8031.04, 8035.04</b>	2749	● Raupe FL, Benfra 215 Tractor 505CS, 566DT 570 V/F/DTF/DT, 580DT, 588 Raup 565, R 8056	3	37-43 (50-58)	103,000	2,500 2,500 4,000		500 508 604	Cr P P Cr P	<b>R22 410 000</b> R22 410 060	STD 0,60
<b>8040.04, 8041.04</b> <b>8045.04</b>	3666	● Tractor 766DT, 780DT, 788 R 8076, Raupe FL5, FL/FR 7 FR9, FR12, 576C, 855C	4	45-63 (61-85)							
<b>8055.04</b>	4583	● Tractor 880 DT/S, Raupe 955C Radlader FR7	5	63-66 (86-90)							
<b>8060.04, 8065.04</b>	5499	● Series 65/79/80/90/95/100 110/115/135/310 Tractor 1000 S/DT, 1180DT Raupe FL7	6	60-124 (82-168)							
<b>8065.24</b>	5499	● FR 10/12, FE 8R Tractor 1280 T	6	60-85 (82-115)	103,000	3,000 2,500 4,000		504 501 604	Cr P Cr P	<b>R22 420 000</b> R22 420 060	STD 0,60
<b>8030.05, 8035.05</b>	2931	● 60.65, 60.66, 60.90, FL4	3	37-44 (50-60)	104,000	2,500 2,500 4,000		500 508 604	Cr P P Cr P	<b>R22 430 000</b> R22 430 060	STD 0,60
<b>8040.05, 8045.05</b>	3908	● 80.65, 80.66, 80.90, 85.95 90.90, FR 9/10, FL4, FL/FD 5 FE12, FB/FD/FL/FR 7	4	52-65 (71-88)							
<b>8050.05, 8055.05</b>	4885	● 90.90, 95.55	5	66-72 (90-98)							
<b>8060.05, 8065.05</b>	5862	● 110.90, 115.90, FD/FL 7/9/10	6	63-88 (86-120)							
<b>8040.25, 8045.25</b>	3908	● 60.11, 65.11, 65.12 75.12, 79.12	4	74-85 (101-115)	104,000	3,000 2,500 4,000		504 508 604	Cr P Cr P	<b>R22 440 000</b>	STD
<b>8060.25, 8065.25</b>	5862	● 145.17, 75 PC, 75 PM, 90 PC 79.13, 115.17, 117.17, 90 PM 80E 18 EuroCargo	6	110-130 (150-177)							
<b>8040.25, 8040.45</b>	3908	● EuroCargo	4	85-100 (115-136)	104,000	3,500 2,500 4,000		504 508 604	Cr P P Cr P	<b>R22 610 000</b>	STD
<b>8060.45</b>	5862	● EuroCargo	6	130-152 (177-207)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● FIAT - IVECO</b>											
<b>8040.25, 8040.45</b>	3908	● EuroCargo	4	85-100 (115-136)	104,000	3,500 2,500 4,000	  	504 508 604	MoB PIWU Cr P	<b>R22 850 000</b>	STD
<b>8060.45</b>	5862	● EuroCargo	6	130-152 (177-207)							
<b>CO 3/75</b>	4562	● Tractor 50, 805, 840, 850, 880 Lupetto, Daino, Tigrotto Leoncino, OM 50/55/60/65/70	4	66 (90)	110,000	2,500 2,500 2,500 5,000	   	500 501 508 604	Cr P P P P	<b>R22 450 000</b>	STD
<b>CP 3 D, CP 3-11</b>	7412	● Tractor 650DT, 850DT 130 NT/NC/NR/F/R FL10, SL11, S/SR 70, S90	6	97-110 (132-150)							
<b>8360.46</b>	7684	● EuroCargo EuroTech	6	162-196 (220-267)	112,000	3,500 2,500 4,000	  	504 501 604	Cr P PIF Cr P	<b>R22 620 000</b>	STD
<b>8340.04, 8340.06</b>	4570	● 50 F10, 55 F10, 65 F10, 70 F10 75 F10, 50/55/65/70/75-NC	4	66-73 (90-100)	115,000	2,500 2,500 4,000	  	500 501 604	Cr P P Cr P	<b>R22 460 000</b>	STD
<b>8361.25, 8361.45</b> <b>8365.25</b>	8102	● Tractor 1880, 1580 160-90, 180-90 FD/FL 14, FR 15/20, FE 28 FG 85/95, FA 150, FR 158	6	120-154 (163-210)	115,000	3,000 2,500 4,000	  	505 501 604	Cr P P Cr P	<b>R22 470 000</b>	STD
<b>F2B, F2BE Cursor 8</b>	7790	● EuroMover, EuroTech EuroTrakker, Eurotech Cursor	6	180-259 (245-352)	115,000	3,000 2,500 4,000	  	504 508 604	Cr P PIFU Cr P	<b>R22 840 000</b>	STD
<b>8460.21, 8460.41</b>	9498	● EuroTech, EuroClass EuroRider, TurboCity EuroTrakker	6	154-276 (210-375)	120,000	3,500 3,000 5,000	  	504 501 604	Cr P PIF Cr P	<b>R22 480 000</b>	STD
<b>8200.02, 8200.12</b> <b>8205.12</b>	9800	● 684 N /-NP /-NT /-T /-TP 690 N4 / -AD14 / -BD14 / -FL14 150 C, 308, 309, 331, 343, 409 418, 420	6	140-147 (190-200)	122,000	3,500 3,000 3,000 5,500	   	504 500 508 604	Cr P P P Cr P	<b>R22 890 000</b>	STD
<b>8220.02, 8220.12</b> <b>8205.12</b>	9572	● 150.20, 130.20, 190.20	6	148 (201)	125,000	3,000 3,000 4,000	  	500 501 604	Cr P P Cr P	<b>R22 490 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● FIAT - IVECO</b>											
<b>8220.22, 8220.32</b>	9572	● 165.24, 180.24, 370.24	6	150-180 (204-244)	125,000	4,000 3,000 3,000 4,000	   	504 501 508 604	Cr P P P Cr P	<b>R22 500 000</b>	STD
<b>8200.02, 8200.12 8205.02</b>	9800	● 684 T, 68 N23 160 NC, 160 NT	6	140-147 (190-200)	125,000	3,500 3,000 3,000 5,500	   	504 501 508 604	Cr P P P Cr P	<b>R22 510 000</b>	STD
<b>F3AE0681 B F3AE0681 D F3AE0681 E</b>	10303	● EuroTech E40 /E43 /E39 EuroStar E40 /E43 /E39 Starlis S40 /S43	6	287-316 (390-430)	125,000	3,500 3,000 4,000	  	504 508 604	Cr P P IFU Cr P	<b>R22 830 000</b>	STD
<b>203 A.61 203 H.61 310 H.61</b>	11548	● 682 N3 /N4 /T3 /T4 690 N1 /N2 /T1 /T1R	6	132 (180)	130,000	4,000 3,000 3,000 5,500	   	504 500 508 604	Cr P P P Cr P	<b>R22 520 000</b>	STD
<b>F3B Cursor 13</b>	12882	● 410 E, 440 E, 720 E 260 E, 340 E, 380 E	6	279-393 (380-535)	135,000	4,000 3,000 5,000	  	504 508 604	Cr P Cr P IFU Cr P	<b>R22 820 000</b>	STD
<b>8210.42</b>	13798	● EuroTrakker E37 /E42 EuroTech E42, EuroStar E42	6	272-309 (370-420)	137,000	4,000 3,000 5,500	  	504 501 604	Cr P Cr P Cr P	<b>R22 530 000</b>	STD
<b>8210.02, 8210.22 8215.22</b>	13798	● 170, 180, 190, 240, 260, 300 330, 370, 421, 619, 691, 697 190.30, 330.30, 370.30 FD 20, FE 40, FE 45, FL 20	6	162-223 (220-304)	137,000	4,000 3,000 3,000 5,500	   	504 501 501 604	Cr P Cr Cr Cr P	<b>R22 540 000</b>	STD
<b>8260.01, 8260.02</b>	12876	● 370.25, BM 25 /30	6	182 (248)	145,000	4,000 3,000 6,000	  	504 501 604	Cr Cr IF Cr	<b>R22 550 000</b>	STD
<b>8280.01, 8280.02 8280.22, 8280.42</b>	17174	● 190, 220, 240, 320 FR35, FD30 TurboStar, TurboStar 2	8	243-481 (330-654)							
<b>8260.02</b>	12876	● 175.17, 370.25, BM25, BM305	6	182 (248)	145,000	3,500 3,000 6,000	  	500 501 604	Cr P Cr P IF Cr P	<b>R22 630 000</b>	STD
<b>8280.01, 8280.02 8280.22, 8281.22 8282.22, 8285.22</b>	17174	● EuroStar E52 170, 190, 220, 240, 260, 330	8	370-375 (476-510)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	
<b>● FORD</b>										
<b>HLB</b>	999	● Fiesta 1.0	4	33 (44)	68,700	1,500 1,750 3,000	 500 508 700	Cr S P Cr P S	<b>R23 000 000</b>	STD
<b>G6A, GUD, GUE, HCS</b>	1118	● Fiesta 1.1	4	37-40 (50-54)						
<b>199 A3.000 188 A9.000 M733 AT.12.Z</b>	1248	● Ka 1.3 TDCi	4	55 (75)	69,600	2,000 1,500 2,000	 500 501 604	Cr P P Nit S	<b>R23 040 000</b> R23 040 040	STD 0,40
<b>ZH12 ZETEC S DHA, DHB, DHC, DHD DHE, DHF, DHG</b>	1242	● Fiesta 1.25 Trend	4	55 (75)	71,900	1,200 1,500 2,500	 500 508 700	Cr P S IF P Cr P S	<b>R23 480 000</b> R23 480 025 R23 480 050	STD 0,25 0,50
<b>DV4TD F6JA DV4TED F6JB</b>	1399	● Fiesta 1.4 TDCi Fusion 1.4 TDCi	4	50-66 (68-90)	73,700	2,500 1,950 2,500	 505 508 604	Cr B P P IFU Cr P	<b>R23 050 000</b>	STD
<b>F6JD KVJA</b>	1399	● Fiesta VI 1.4 TDCi	4	51 (70)	73,700	2,500 1,950 2,000	 514 501 604	Cr P P IFU Nit S	<b>R23 580 000</b> R23 580 050	STD 0,50
<b>HLB</b>	999	● Fiesta 1.0	4	33 (44)	68,700	1,500 1,750 3,000	 500 508 700	Cr S P Cr P S	<b>R23 000 000</b>	STD
<b>G6A, GUD, GUE, HCS</b>	1118	● Fiesta 1.1	4	37-40 (50-54)						
<b>199 A3.000 188 A9.000 M733 AT.12.Z</b>	1248	● Ka 1.3 TDCi	4	55 (75)	69,600	2,000 1,500 2,000	 500 501 604	Cr P P Nit S	<b>R23 040 000</b> R23 040 040	STD 0,40
<b>ZH12 ZETEC S DHA, DHB, DHC, DHD DHE, DHF, DHG</b>	1242	● Fiesta 1.25 Trend	4	55 (75)	71,900	1,200 1,500 2,500	 500 508 700	Cr P S IF P Cr P S	<b>R23 480 000</b> R23 480 025 R23 480 050	STD 0,25 0,50
<b>DV4TD F6JA DV4TED F6JB</b>	1399	● Fiesta 1.4 TDCi Fusion 1.4 TDCi	4	50-66 (68-90)	73,700	2,500 1,950 2,500	 505 508 604	Cr B P P IFU Cr P	<b>R23 050 000</b>	STD
<b>J4B , J4C, J6A, J6B, JBA JBB, JBC, JJA, JJD</b>	1297	● Escort, Fiesta, Orion, Courier Ka 1.3 i	4	44-46 (60-63)	74,000	1,500 1,750 3,000	 500 508 700	Cr S IF P Cr P S	<b>R23 010 000</b> R23 010 050 R23 010 100	STD 0,50 1,00

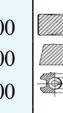
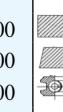
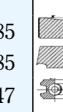
Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	
<b>● FORD</b>										
<b>TKA, TKB, TKW, TLA</b>	957	● Fiesta 0.9 / 1.0	4	29-33 (40-45)	74,000	1,600 2,000 4,000	 500 508 700	Cr P Cr P S	<b>R23 020 000</b> R23 020 050 R23 020 100	STD 0,50 1,00
<b>GSG, GSF, GMA, GPA GLB</b>	1117	● Escort, Fiesta 1.1	4	37 (50)						
<b>JLA, JLB</b>	1297	● Escort, Orion 1.3	4	44 (60)						
<b>DURATORQ G8DA, G8DB, HHDA HHDB, HHJA, HHJB</b>	1560	● Fusion 1.6 TDCi, Fiesta 1.6 TDCi Focus C-Max 1.6 TDCi	4	66-80 (89-109)	75,000	3,000 1,950 2,500	 505 508 604	Cr P P Cr P	<b>R23 060 000</b> R23 060 060	STD 0,60
<b>DV6C</b>	1560	● Focus 1.6 TDCi	4	70-84 (95-115)	75,000	2,500 1,950 2,000	 514 508 604	Cr P P Nit S	<b>R23 550 000</b> R23 550 050	STD 0,50
<b>ZETEC 16V</b>	1597	● Escort, Orion	4	65 (88)	76,000	1,500 1,600 2,500	 500 508 700	CrB Fe S P Cr P S	<b>R23 030 000</b> R23 030 050 R23 030 100	STD 0,50 1,00
<b>L1E, L1F, L1G, L1H L1J, L1K</b>	1597	● Escort, Orion Fiesta, Mondeo 1.6i 16 v	4	66 (90)	76,000	1,200 1,600 2,500	 500 508 700	Nit S IF P Cr P S	<b>R23 310 000</b> R23 310 050 R23 310 100	STD 0,50 1,00
<b>ZH14 ZETEC S</b>	1392	● Fiesta 1.4, Fusion 1.4	4	59 (80)	76,000	1,200 1,500 2,500	 500 501 700	NitB S P Nit S	<b>R23 540 000</b> R23 540 050	STD 0,50
<b>F4A, F4B, F6B, F6D F6E, F6F, F6G FUA, FUAA</b>	1392	● Escort, Orion, Fiesta 1.4	4	52-55 (71-75)	77,250	1,600 2,000 4,000	 500 506 700	Cr P P Cr P S	<b>R23 320 000</b> R23 320 050 R23 320 100	STD 0,50 1,00
<b>LC</b>	1285	● Capri II, Taunus	4	41-44 (55-59)	79,000	2,000 2,500 4,000	 500 501 700	Cr P P Cr P S	<b>R23 390 000</b> R23 390 050 R23 390 100	STD 0,50 1,00
<b>FYDA, FYDD ZH 16 ZETEC-S</b>	1597	● Fiesta, Focus, Puma, Mondeo Fusion 1.6 16 v	4	74-90 (100-123)	79,000	1,200 1,500 2,000	 500 508 700	NitB S P Nit S	<b>R23 080 000</b> R23 080 050 R23 080 100	STD 0,50 1,00
<b>1Z AFN, AHU</b>	1896	● Galaxy 1.9 TDI	4	66-81 (89-110)	79,500	1,750 2,000 3,000	 500 501 604	CrB Fe S P IFU Cr	<b>R23 130 000</b> R23 130 050 R23 130 100	STD 0,50 1,00

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● FORD</b>											
<b>R2C, R6A CVH</b>	1769	● Sierra 1.8	4	64-66 (87-90)	80,000	1,500 1,500 3,000		500 501 700	Cr IF P Cr P S	<b>R23 070 000</b> R23 070 050 R23 070 100	STD 0,50 1,00
<b>JPA, JPC</b>	1296	● Fiesta, Escort, Orion 1.3	4	51 (69)	80,000	1,600 2,000 4,000		500 508 700	Cr P Cr P S	<b>R23 090 000</b> R23 090 050 R23 090 100	STD 0,50 1,00
<b>L4B, L6B, LJB, LJD LJF, LP1, LP2, LPA LR1, LR2, LRB, LUA LUB, LUC, LUD, LUG LUJ</b>	1597	● Fiesta, Escort, Orion, Sierra 1.6	4	58-81 (79-110)	80,000						
<b>LTA, LTB, LTC</b>	1608	● Fiesta D, Escort D, Orion D 1.6D	4	40 (54)	80,000	2,000 2,000 3,000		500 501 604	CrB Fe S P Cr P	<b>R23 100 000</b> R23 100 050 R23 100 100	STD 0,50 1,00
<b>RDA, RDB, RKA, RKB RKC, RQB, RQC</b>	1796	● Escort, Fiesta, Orion Mondeo 1.8	4	77-96 (105-131)	80,600	1,500 1,600 2,500		500 508 700	Cr S P Cr P S	<b>R23 110 000</b> R23 110 050 R23 110 100	STD 0,50 1,00
<b>DOHC 4V</b>	1796	● Fiesta XR2i/S, Escort, Orion	4	85-100 (116-136)	80,600	1,500 1,600 3,000		500 508 700	Cr S P Cr P S	<b>R23 120 000</b> R23 120 050 R23 120 100	STD 0,50 1,00
<b>ZETEC E ZH18N, ZH18M ZH18P</b>	1796	● Mondeo 1.8i, Focus 1.8i Escort 1.8i	4	77-85 (103-116)	80,600	1,200 1,500 2,500		500 508 700	Nit S IF P Cr P S	<b>R23 140 000</b>	STD
<b>ZETEC E ZH18N, ZH18M ZH18P</b>	1796	● Mondeo 1.8i, Focus 1.8i Escort 1.8i	4	77-85 (103-116)	80,600	1,200 1,600 2,500		500 508 700	Nit S IF P Cr P S	<b>R23 190 000</b>	STD
<b>ZETEC ZH</b>	1796	● Mondeo 1.8 16v	4	77-83 (103-113)	80,600	1,500 1,750 3,000		500 508 604	Cr P IW P Cr P	<b>R23 280 000</b> R23 280 050 R23 280 100	STD 0,50 1,00
<b>2735E 6110E</b>	1298	● Capri II 1300L Escort L, GL, XL, S	4	35 (48)	80,960	1,587 1,980 3,947		500 508 604	Cr P P Cr P	<b>R23 290 000</b> R23 290 051 R23 290 076 R23 290 102 R23 290 152	STD 0,508 0,762 1,016 1,524

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● FORD</b>											
<b>AAA, AMY, AYL</b>	2792	● Galaxy 2.8i V6	V6	120-150 (163-204)	81,000	1,500 1,750 3,000		500 508 700	CrB S IF P Cr P S	<b>R23 330 000</b> R23 330 050 R23 330 100	STD 0,50 1,00
<b>LSD, LSE</b>	1593	● Sierra 1.6, Laser 1.6	4	55 (75)	81,330	1,600 2,000 4,000		500 501 700	Cr P P Cr P S	<b>R23 340 000</b> R23 340 050 R23 340 100	STD 0,50 1,00
<b>RTE, RTF, RTH, RTA RTB, RTC, RTD, RTG RTJ, RTK</b>	1753	● Fiesta, Orion, Escort 1.8 D	4	44 (60)	82,500	2,000 2,000 3,000		500 501 604	Cr P IF Cr P	<b>R23 150 000</b> R23 150 050 R23 150 100	STD 0,50 1,00
<b>RFA, RFB, RFL, RFD RFK, RFM, RFN, RFS RFU, RVA</b>	1753	● Fiesta, Mondeo, Escort P100 Pick Up 1.8 D	4	55-66 (75-90)	82,500	2,500 2,000 3,000		505 501 604	Cr IF P IF Cr P	<b>R23 160 000</b> R23 160 050 R23 160 100	STD 0,50 1,00
<b>DURATORQ</b>	1753	● Galaxy 1.8 TDCi, S-Max 1.8 TDCi Transit Connect 1.8 TDCi	4	66-81 (90-110)	82,500	1,750 2,000 2,000		500 508 604	Cr S IF P IFU Nit S	<b>R23 300 000</b> R23 300 050	STD 0,50
<b>BHDA, BHDB C9DA, C9DB, C9DC F9DA, F9DB FFDA, KKDA</b>	1753	● Focus, Connect, Tourneo Transit 1.8 TDCi	4	55-85 (75-115)	82,500	2,500 2,000 3,000		503 501 604	Cr S P Cr P	<b>R23 500 000</b> R23 500 050	STD 0,50
<b>TV24 EAO</b>	2394	● Scorpio Scorpio 2.4i, Granada 2.4i	V6	92-96 (125-130)	84,000	1,600 1,750 3,500		500 501 604	Cr P P Cr P	<b>R23 400 000</b> R23 400 050	STD 0,50
<b>EDBA</b>	1988	● Mondeo, Focus Cougar 2.0 16v	4	100 (136)	84,800	1,500 1,750 3,000		500 508 700	Cr P IF P Cr P S	<b>R23 180 000</b> R23 180 050	STD 0,50
<b>EAO</b>	1988	● Countour, Mondeo 2.0i	4	97-100 (132-136)	84,800	1,500 2,000 3,000		500 508 700	Cr S IF P Cr P S	<b>R23 370 000</b> R23 370 050 R23 370 100	STD 0,50 1,00
<b>DURATORQ QWFA, ABFA D5BA, D6BA</b>	1988	● Puma, Mondeo Transit 2.0 TDCi	4	85-96 (115-130)	86,010	2,000 2,000 2,000		500 508 604	Cr P IF P Nit S	<b>R23 350 000</b> R23 350 025 R23 350 050	STD 0,25 0,50

Engine Type	cc	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● FORD</b>											
DURATORQ	1988	● Puma, Mondeo Transit 2.0 TDCi	4	85-96 (115-130)	86,000	2,000 2,000 3,000		500 508 604	Cr S P Nit	<b>R23 360 000</b> R23 360 050	STD 0,50
DURATORQ	1988	● Transit, Mondeo	4	74 (115)	86,000	2,500 2,000 3,000		503 508 604	Cr S P Nit	<b>R23 380 000</b> R23 380 050	STD 0,50
NBA, NBC, NES, N8B N9A, N9C, N9D, N9E N9F, N9K, NSD, NSF NSE	1988	● Galaxy, Sierra, Scorpio Transit, Tourneo 2.0	4	77-92 (105-125)	86,000	1,600 1,750 3,000		500 508 700	Cr P IF P Cr P S	<b>R23 410 000</b> R23 410 050 R23 410 100	STD 0,50 1,00
R2A REB, REC, RED, REF	1796	● Granada, Siera, Scorpio 2.0	4	66 (89)	86,200	1,600 2,000 4,000		500 501 700	Cr P Cr P S	<b>R23 220 000</b> R23 220 050 R23 220 100	STD 0,50 1,00
DURATEC HE AODA, AODB CJBA, CJBB	1999	● Focus, Mondeo 2.0 Fiesta ST, C-Max, S-Max	4	93-105 (126-138)	87,500	1,200 1,200 2,500		500 501 700	Cr4B S P IFU Cr P S	<b>R23 470 000</b> R23 470 050	STD 0,50
N4JB	2261	● Galaxy, Maverick 2.3 C-Max, S-Max	4	107-110 (146-150)							
LC, HC	1576	● Taunus 1600, Capri 1600 II Transit 100/ 120/ 130/ 190 Cortina, Granada, Escort	4	44-70 (60-95)	87,650	2,000 2,500 4,000		500 501 700	CrB Fe S P Cr P S	<b>R23 230 000</b> R23 230 051 R23 230 102	STD 0,508 1,016
LCE, LCN, LAT, LCR	1594	● Capri, Sierra, Taunus, Transit P100 1.6	4	46-54 (63-73)	87,650	1,600 2,000 4,000		500 501 700	Cr P Cr P S	<b>R23 240 000</b> R23 240 050 R23 240 100	STD 0,50 1,00
183 V6	3000	● Taurus 3.0	V6	106 (145)	89,000	1,500 1,500 4,000		500 508 700	Cr S IF P Cr P S	<b>R23 420 000</b>	STD
DT24H, DT24N DT24P DURATORQ	2402	● Transit TDi	4	55-88 (75-120)	89,910	2,500 2,000 3,000		503 501 604	Cr P P IF Cr P	<b>R23 170 000</b> R23 170 050 R23 170 100	STD 0,50 1,00
HFFA, RBFA, RFCA V184	2402	● Transit 310S, 350E, 350L, 350M	4	88 (120)	89,910	2,000 2,000 2,000		500 508 604	Cr P P Nit S	<b>R23 520 000</b> R23 520 025 R23 520 050	STD 0,25 0,50

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● FORD</b>											
<b>12M P4C, P5C, P6C</b>	1498	● Taunus 15M/ 17M Capri, Consul, Granada 1700	V4	40 (55)	90,000	2,000 3,000 4,000		500 501 700	Cr IF P Cr P S	<b>R23 250 000</b> R23 250 050 R23 250 100	STD 0,50 1,00
<b>EV17L HF17L</b>	1699	● Taunus, Transit, Tournier	V4	48 (65)							
<b>YYF, YYH, YYN, YYP YYR, YYT, YYU</b>	2293	● Capri, Granada, Taunus 2300	V6	79-92 (108-125)							
<b>N8D</b>	1993	● Taunus, Capri, Cortina Consul, Granada, Pinto	4	57-81 (78-110)	90,800	2,000 2,500 4,000		500 501 700	CrB Fe Si F P Cr P S	<b>R23 260 000</b> R23 260 051 R23 260 102	STD 0,508 1,016
<b>HC, N4A, N4I, NE, NE4 NEK, NEL, NEN, NEL NEN, NEP, NER, NR2 NRB, NRA, NRD, NRI</b>	1995	● Taunus, Escort , Cortina Sierra, Granada, Scorpio	4	72-85 (98-115)	90,800	1,600 2,000 4,000		500 501 700	Cr P P Cr P S	<b>R23 270 000</b>	STD
<b>YB P</b>	1993	● Escort Cosworth Sierra Cosworth	4	167 (227)	90,800	1,500 1,750 3,000		500 501 700	Cr S IF P Cr P S	<b>R23 430 000</b> R23 430 050 R23 430 100	STD 0,50 1,00
<b>PR5, PR6, PR7, PR8 PRC, PRD, PRE, PRG PRN, PRT, PYA, PYU</b>	2792	● Granada, Sierra, Capri 2.8 i	V6	105-118 (143-160)	93,000	2,000 2,500 4,000		500 508 700	Cr S P Cr P S	<b>R23 200 000</b> R23 200 050	STD 0,50
<b>FB</b>	2935	● Scorpio	V6	143 (195)	93,000	1,600 1,750 3,000		500 508 700	Cr P P Cr P S	<b>R23 440 000</b> R23 440 050	STD 0,50
<b>BRE, BRF, BRG</b>	2935	● Scorpio, Granada 2.9 i	V6	143-152 (195-207)	93,000	1,600 1,750 3,500		500 508 700	Cr P P Cr P S	<b>R23 450 000</b> R23 450 050	STD 0,50
<b>6M34 WL-C</b>	2499	● Ranger Pickup TDCI	4	107 (143)	93,000	2,000 1,500 2,000		500 501 604	Cr S IF Cr Nit S	<b>R23 560 000</b> R23 560 025 R23 560 050	STD 0,25 0,50
<b>XM34 TD WL-T</b>	2499	● Ranger Pickup Thunder Ranger Pickup XLT	4	83 (110)	93,000	2,500 2,000 3,000		500 508 604	Cr P P Cr P	<b>R23 570 000</b> <b>R23 570 025</b> <b>R23 570 050</b>	STD 0,25 0,50
<b>XM 34</b>	2500	● Ranger Pick Up	4	58 (79)	93,000	2,500 2,000 3,000		500 501 604	Cr P IF Cr P IF Cr P	<b>R23 530 000</b> R23 530 050	STD 0,50

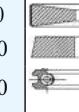
Engine Type	cc	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● FORD</b>											
<b>4BC, 4CA, 4CC, 4DA</b> <b>4ED, 4FA, 4FB, 4FC</b> <b>4FD, 4HB, 4HC, 4GA</b>	2496	● Transit 2.5 TD	4	55-63 (75-86)	93,670	2,500 2,000 4,000		505 501 604	CrB Fe PS P IF Cr P	<b>R23 210 000</b> R23 210 065 R23 210 100	STD 0,65 1,00
<b>York 25N/P</b>	2496	● Transit 80/ 100/ 120/ 130 160/ 190	4	50 (68)	93,670	2,000 2,000 4,000		500 501 604	CrB Fe S P IF Cr P	<b>R23 460 000</b> R23 460 065 R23 460 100	STD 0,65 1,00
<b>2401 E YORK</b>	2358	● A0505, A0609 Transit FT7 /80 /90 /100 /115 Transit FT7 /120 /125 /130 /150 /160	4	43-45 (59-62)	93,670	2,385 2,385 4,747		503 508 604	Cr P P Cr P	<b>R23 490 000</b> R23 490 065 R23 490 100	STD 0,65 1,00
<b>2402 E YORK</b>	3537	● A0409, A0509, A0609, A0709	6	64-68 (87-92)							
<b>TC</b>	2496	● Transit 2.5 Di	4	56 (76)	93,670	2,500 2,000 4,000		503 508 604	Cr P P Cr P	<b>R23 510 000</b> R23 510 065 R23 510 100	STD 0,65 1,00

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● FORD NEW HOLLAND</b>											
<b>4D 592 E</b>	3610	● Thames Trader, Major, Tractor Power Major	4	51-79 (69-108)	100,000	2,385 2,385 2,385 4,747 4,747	   	500 501 506 604 601	Cr IF P P Cr P	<b>R24 000 000</b>	STD
<b>6D 590 E</b>	5416		6								
<b>365, 2713 E</b>	5952	● Cargo D 0710, 0711, 0810, 0811 0910, 0911, 1010, 6500	6	61-95 (83-130)	104,775	2,385 2,385 2,385 4,747	   	500 501 508 604	Cr P IF P IF P Cr P	<b>R24 020 000</b>	STD
<b>110 363 Dover II</b>	5947	● Cargo D 0711, 0811, 0911	6	81 (110)	104,775	2,385 2,385 4,747	  	500 508 604	Cr P Cr P	<b>R24 080 000</b>	STD
<b>360 DT, 360 TC 2704 ET, 2726 T</b>	5944	● Cargo D 0915, 1114, 1115 1314, 1315, 1515, 1315K 1515K, 1614, 2014 2115, 2215 DA 2014, 2214 DT 2414	6	106-110 (144-150)	104,775	3,160 2,385 2,385 4,747	   	504 501 508 604	Cr P IF P Cr P	<b>R24 090 000</b>	STD
<b>2712 E, 2722 255 Four</b>	4161	● D 0610, 0607, 0707	4	55 (75)	107,210	2,385 2,385 2,385 4,747	   	500 501 508 604	Cr P IW P Cr P	<b>R24 040 000</b>	STD
<b>2714 E, 2715 E, 2725 380 SIC, 380 CID</b>	6224	● Cargo D 0607, 0812, 0813, 0911 0913, 1011, 1013, 1111, 1211 D 300, 400, 500, 600, 700, 750 800, DT 800, 642 Combine	6	77-94 (105-128)							
<b>6Y, 7A, 4.256</b>	3294	● Tractor 4000	3	44 (60)	111,760	2,385 2,385 2,385 4,747	   	500 501 508 604	Cr P IF P IF P Cr P	<b>R24 060 000</b>	STD
	4195	● Tractor Major 650, 3230, 3430 3610, 3910, 4100, 5000, 5500 5550, 5610, 6000, 6500, 6600 Combine 620, 622	4	55-58 (75-79)							
	6388	● Tractor 8000	6	73 (100)							
<b>BSD 333H, PD 6Y, 7A</b>	3294	● Tractor 515, 531, 532, 535, 540 545, 550, 555, 4000, 4110, 4600 4610	3	38-45 (52-62)	111,760	3,160 2,385 2,385 4,747	   	504 501 508 604	Cr P P IF P Cr P	<b>R24 070 000</b>	STD
<b>6Y, 7A</b>	4195	● Tractor 750, 7000, 7500, 7600 7700, Loader A62	4	69 (94)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring				
			No	(HP)	Diam	Height	Type	Set No.	Size

## ● FORD NEW HOLLAND

<b>7A</b>	6575	● Tractor 9200, 9260, 9600, 9700 TW-20, -25, -30, -35	6	102-137 (138-186)							
<b>6Y, 7A</b>	6588	● Tractor Major 8000, 8200, 8210 8260, 8400, 8600, 8700, TW-10 Loader A64, Excavator H48	6	73-76 (100-104)							
<b>2506 E, 2512 E BSD 333H, PD 6Y, 7A</b>	3294	● Tractor 515, 531, 532, 535, 540 545, 550, 555, 4000, 4110, 4600 4610	3	38-45 (52-62)	111,760	3,160 2,385 4,747	  	504 501 604	Cr P Cr P IFU Cr P	<b>R24 100 000</b>	STD
<b>6Y, 7A</b>	4195	● Tractor 750, 7000, 7500, 7600 7700, Loader A62	4	69 (94)							
<b>BSD 444, BSD 444 T</b>	4392	● Tractor 6610, 6710, 7610, 7710	4								
<b>7A</b>	6575	● Tractor 9200, 9260, 9600, 9700 TW-20, -25, -30, -35	6	102-137 (138-186)							
<b>6Y, 7A</b>	6588	● Tractor Major 8000, 8200, 8210 8260, 8400, 8600, 8700, TW-10 Loader A64, Excavator H48	6	73-76 (100-104)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● GM</b>											
<b>6.5 V8</b>	6473	● Blazer, C3500, Chevy Express Savana, Cuburban, Yukon Tahoe, Hummer	V8		103,000	3,000 2,000 4,000		504 501 604	MoN IF P IF Cr P	<b>R64 000 000</b> R64 000 025 R64 000 050 R64 000 075 R64 000 100	STD 0,25 0,50 0,75 1,00

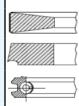
Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	

## ● INTERNATIONAL - CASE

<b>BD 154</b>	2520	● Tractor 238, 364, 384, 414, 424 434, 444, 2424, 2444 Forklift 7000	4	26 (36)	88,900	2,385 2,385 2,385 4,747 4,747		500 501 501 601 600	Cr P IF P IF P IF P P	<b>R27 000 000</b>	STD
<b>D 179</b>	2933	● 633	3	35-39 (48-52)	98,425	3,160 2,385 4,747		500 501 604	Cr P P IF P	<b>R27 010 000</b>	STD
<b>D 239</b>	3910	● 684, 744, TD-8 II, 125B II	4	45-54 (61-73)							
<b>D 358</b>	5860	● 520, 630, 640, 515, 541, 943 Tractor 826, 886, 955, 956, 1046 1056, 2826, 3288, 3414 Excavator 3964B, 3965B, 3966B	6	74-101 (100-138)							
<b>DD 99</b>	1631	● Tractor D 320S, D 322	3	14 (20)	98,425	3,160 2,385 4,747		504 501 604	Cr P P IF Cr P	<b>R27 020 000</b>	STD
<b>D 155, UD 155</b>	2540	● Tractor D 353, 383, 423, 433 XV 433, XE 433, SU 533 2 WD SU 533 4WD, SU 533 V, XV 533 Wheel Tractor 533 Payloader 503	3	26-33 (36-45)							
<b>D 179, UD 179</b>	2933	● 240, 454, 464, 484, 523, 553 633, 2400, 4500	3	35-50 (48-68)							
<b>DD 132</b>	2175	● Tractor D 430S, D 432, D 40 DGD 4	4	22 (30)							
<b>D 206, UD 206</b>	3380	● Tractor D 258, D 584, D 554 D 644, D 645, E 733, V 733, D 884	4	43 (59)							
<b>D 239, DT 239</b>	3911	● 684, 744, 452, 3500, 609 TD-8 II, 125B II Tractor 856 XL	4	45-62 (61-85)							
<b>D 310, UD 310</b>	5070	● Crawler 165, Cotton 95, 82 Combine 431, 715, Tractor 711 D 686, D 786, D 946, D 955	6	63-78 (85-106)							
<b>D 358</b>	5860	● Tractor 515, 520, 541, 630, 640 826, 844, 886, 943, 955, 956 1046, 1055, 1056, 2826, 3228 Excavator 3964B, 3965B, 3966B 3984	6	66-104 (90-142)							
<b>DT 358</b>	5867	● 530A, 640HD, 650, 953, 1246 1255	6	84-127 (115-172)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring				
			No	(HP)	Diam	Height	Type	Set No.	Size

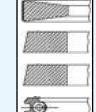
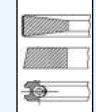
**● INTERNATIONAL - CASE**

D 268	4388	● Tractor 270	4	56-65 (76-88)	100,000	3,160 2,385 4,747		504 508 604	Cr P P Cr P	R27 040 000	STD
D 402	6582	● Tractor 270A, TD-8 C, 844 S, 845 Payloader 510	6	107-117 (145-160)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● JOHN DEERE</b>											
<b>3164 DL 01, -DL 03 JD 164</b>	2690	● Tractor 830, 930, 1020, 1030 1035, 1120, 1130, 1520, 1530 2020, 2040	3	26-41 (35-56)	102,000	3,160 2,385 5,000		504 501 604	Cr P IF P IFU Cr P	<b>R25 000 000</b>	STD
<b>4219 DL 01, -DL 03 4219 DL 09</b>	3588	● Tractor 2030, 2035, 2120, 2440 3030, 3130 JD 410, JD 400 AJ	4	50-53 (68-72)							
<b>6329 DL 01, -DL 03 JD 329</b>	5380	● Tractor 1520, 2030, 2120, 2520 3030, 3120, 3130, 3135, 4030 Combine 6600	6	63-68 (86-92)							
<b>3179 D, 3239 DL 01 300 NA</b>	2938	● Tractor 3030, 3040, 3050, 3130 3140, 3350, 3640	3	28-41 (38-56)	106,500	3,160 2,385 3,500		504 501 604	Cr P P IFU Cr P	<b>R25 010 000</b>	STD
<b>4039 D, 4239 DL 01 4239 T, 4239 TL</b>	3920	● Tractor 840, 940, 1040, 1140 1350, 1447, 1550, 1630, 1640 1745, 1750, 1840, 1845, 1850 1950, 2040, 2130, 2140, 2250 2450, 2650, 2850, 4050	4	46-67 (62-91)							
<b>6059 D, 6068 D 6359 DL 01, -TZ 01/02 6359 T</b>	5878	● Tractor 840, 940, 1040, 1140 1350, 1447, 1550, 1630, 1640 1745, 1750, 1840, 1845, 1850 1950, 2040, 2130, 2140, 2250 2450, 2650, 2850, 4050	6	66-102 (90-139)							
<b>6466 AF JD 762 A</b>	6786	● Tractor 4850	6		115,900	3,947 3,947 4,747		504 511 604	Mo Mo Cr P	<b>R25 020 000</b>	STD
<b>6466 AF</b>	6786	● Tractor	6		115,900	4,000 2,385 4,747		504 501 604	Mo Mo IFU Cr P	<b>R25 060 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● DEUTZ</b>											
<b>F1L 310</b>			1		85,000	2,000 2,000 2,000 5,000	   	500 501 501 603	Cr P P P P	<b>R31 010 000</b> R31 010 050 R31 010 100	STD 0,50 1,00
<b>F2L 310</b>			2								
<b>F3L 310</b>			3								
<b>F4L 310</b>			4								
<b>F2L 1011</b>	1366		2	20-22 (27-30)	91,000	3,000 2,500 3,500	  	500 501 604	Cr P P IFU Cr P	<b>R31 000 000</b> R31 000 050 R31 000 100	STD 0,50 1,00
<b>F3L 1011</b>	2049		3	16-33 (22-45)							
<b>F4L 1011</b>	2732		4	24-47 (33-64)							
<b>F2L 1011,-F</b>	1366		2	20-22 (27-30)	91,000	2,000 2,000 3,500	  	500 501 604	Cr P P IFU P	<b>R31 490 000</b> R31 490 050 R31 490 100	STD 0,50 1,00
<b>F3L 1011,-F</b>	2049		3	16-33 (22-45)							
<b>F4L 1011,-F</b>	2732		4	24-47 (33-64)							
<b>BFL 1011E</b> <b>BFL 1011T</b>	2732		4		91,000	3,000 2,500 3,500	  	504 501 604	Cr P P Cr P	<b>R31 020 000</b> R31 020 050 R31 020 100	STD 0,50 1,00
<b>F2M 1011F</b>	1370		2	26 (31)	91,000	3,000 2,000 3,000	  	504 501 604	Cr P P IF Cr P	<b>R31 340 000</b> R31 340 050 R31 340 100	STD 0,50 1,00
<b>BF3M 1011F</b>	2184		3	45 (70)							
<b>BF4L 1011F</b> <b>BF4L 1011FT</b>	2730		4	48 (65)							
<b>BF4M 1011F</b>	2910		4	61 (83)							
<b>BF4M 1012</b>			4		94,000	3,000 2,000 3,000	  	504 501 604	Cr P P Cr P	<b>R31 030 000</b> R31 030 050 R31 030 100	STD 0,50 1,00
<b>BF6M 1012</b>			6								

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● DEUTZ</b>											
<b>F2M 2011</b>	1550	● Industrial	2	24 (33)	94,000	2,000 3,000 3,000		500 501 604	Cr P P IFU Cr P	<b>R31 090 000</b>	STD
<b>F2L 2011</b>											
<b>F3M 2011, F3L 2011</b>	2330	● Industrial	3	36 (49)							
<b>BF3L 2011</b>											
<b>F4M 2011, F4L 2011</b>	3310	● Industrial	4	48 (66)							
<b>BF4L 2011</b>											
<b>FL 210</b>			1		95,000	2,500 2,550 5,000		500 501 604	Cr IF IFU Cr P	<b>R31 040 000</b> R31 040 050 R31 040 100	STD 0,50 1,00
<b>F1L 712</b>			1		95,000	2,500 2,500 2,500 5,000 5,000		500 501 501 604 600	Cr P IF P P P P	<b>R31 050 000</b> R31 050 050 R31 050 100	STD 0,50 1,00
<b>F2L 712</b>			2								
<b>F3L 712</b>			3								
<b>F4L 712</b>			4								
<b>F6L 712</b>			6								
<b>F1L 812</b>	850	● D15	1	8-9 (11-12)	95,000	2,500 2,500 2,500 5,000		500 501 501 604	Cr P IF P P Cr P	<b>R31 060 000</b> R31 060 050 R31 060 100	STD 0,50 1,00
<b>F2L 812</b>	1700	● D30, D2505, D3005	2	15-22 (20-30)							
<b>F3L 812</b>	2550	● D40, D4005, D4505	3	25-32 (33-43)							
<b>F4L 812</b>	3400	● D50, D5005, D6005	4	33-39 (45-53)							
<b>F6L 812</b>	5100	● 90D7, 90D8, 90D9, 90D11 100D7, 100D8, 100D9 100D10, 100D11	6	49-74 (66-100)							
<b>BF4M 2013C</b>	3802	● Stationary Engine	4	75-232 (100-326)	98,000	3,000 2,000 3,000		504 501 604	Cr P IW P IFU P	<b>R31 500 000</b>	STD
<b>BF6M 2013</b>	5702	● Stationary Engine	6	75-232 (100-326)							
<b>BF6M 2013C</b>											

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● DEUTZ</b>											
<b>F2L 912D</b>	1884	● DX36, D2506, D3006, D2807 D3607	2	21-28 (29-38)	100,000	3,000 2,500 2,500 5,000		504 501 501 604	Cr P P P Cr P	<b>R31 070 000</b> R31 070 050 R31 070 100	STD 0,50 1,00
<b>F3L 912D</b>	2826	● DX50, DX55, D4006 A, D4007 D4505A, D4506A, D4507 D4897, D5006A, D5206A D5207	3	26-37 (35-50)							
<b>F4L 912D</b>	3768	● DX 4.10, D5506, D6006A D6206A, D6806A, D7006A D7206A, D7007, D7207	4	43-59 (59-80)							
<b>F5L 912D</b>	4712	● DX85, DX90	5	58-74 (79-101)							
<b>F6L 912</b>	5652	● DX 6.10, D7506A, D8006A D8007A, D9006A, D9009A D10006A	6	59-100 (80-136)							
<b>F1L 511D</b>	825		1	13 (17)	100,000	3,000 2,500 5,000		504 501 604	Cr P Cr P	<b>R31 080 000</b> R31 080 050 R31 080 100	STD 0,50 1,00
<b>F2L 511D</b>	1650		2	26 (35)							
<b>F2L 912D</b>	1884	● DX36, D2506, D3006, D2807 D3607	2	21-28 (29-38)							
<b>F3L 912D</b>	2826	● DX50, DX55, D4006 A, D4007 D4505A, D4506A, D4507 D4897, D5006A, D5206A D5207	3	26-43 (35-59)							
<b>F4L 912D</b>	3768	● DX 4.10, D5506, D6006A D6206A, D6806A, D7006A D7206A, D7007, D7207	4	43-59 (59-80)							
<b>F5L 912D</b>	4712	● DX85, DX90	5	63-74 (85-101)							
<b>F6L 912D</b>	5652	● DX 6.10, D7506A, D8006A D8007A, D9006A, D9009A D10006A	6	59-82 (80-112)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	
<b>● DEUTZ</b>										
<b>F2L 912D</b>	1884		2		100,000	2,500 2,500 2,500 5,000	504 501 501 604	Cr P P Cr P	<b>R31 100 000</b> R31 100 050 R31 100 100	STD 0,50 1,00
<b>F3L 912D</b>	2826		3							
<b>F4L 912D</b>	3768		4							
<b>F5L 912D</b>	4712		5							
<b>F6L 912D</b>	5652		6	27-82 (36-112)						
<b>F2L 912D</b>	1884	● DX36, D2506, D3006, D2807 D3607	2	21-28 (29-38)	100,000	3,000 2,000 3,500	504 501 604	Cr P IWU Cr P	<b>R31 110 000</b> R31 110 050 R31 110 100	STD 0,50 1,00
<b>F3L 912D</b>	2826	● DX50, DX55, D4006 A, D4007 D4505A, D4506A, D4507 D4897, D5006A, D5206A D5207	3	26-43 (35-59)						
<b>F4L 912D</b>	3768	● DX 4.10, D5506, D6006A D6206A, D6806A, D7006A D7206A, D7007, D7207	4	43-59 (59-80)						
<b>F5L 912D</b>	4712	● DX85, DX90	5	63-74 (85-101)						
<b>F6L 912D</b>	5652	● DX 6.10, D7506A, D8006A D8007A, D9006A, D9009A D10006A	6	59-82 (80-112)						
<b>F1L 511</b>			1		100,000	2,940 2,000 3,000	504 501 604	Cr P IF P Cr P	<b>R31 350 000</b> R31 350 050 R31 350 100	STD 0,50 1,00
<b>F2L 511</b>			2							
<b>F3L 912</b>	2826		3	38 (52)						
<b>F4L 912</b>	3768		4	51 (69)						
<b>F5L 912</b>	4712		5	65 (88)						
<b>F6L 912</b>	5652		6	78 (106)						

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	
<b>● DEUTZ</b>										
F4L 912			4		100,000	2,940 2,500 3,500	504 501 604	Cr P IF P Cr P	<b>R31 360 000</b> R31 360 050 R31 360 100	STD 0,50 1,00
BF4L 912										
F6L 912			6							
BF6L 912										
F3L 913	3064	● Tractor D3.50, D6007	3	42-45 (57-61)	102,000	3,000 2,000 5,000	504 501 604	Cr IF P Cr P	<b>R31 120 000</b> R31 120 050 R31 120 100	STD 0,50 1,00
F3L 913MD, F3L 913H										
F4L 913	4086	● Tractor DXY80, DXY3.90 D7807	4	55-64 (75-87)						
F4L 913MD, F4L 913H										
F6L 913	6128	● DX3.50, DX3.90, DX6.30 D7807, DX120	6	81-96 (110-130)						
F6L 913MD, F6L 913H										
F3L 912F	3064		3	43 (59)	102,000	2,940 2,550 3,500	504 501 604	Cr IF P Cr P	<b>R31 130 000</b> R31 130 050 R31 130 100	STD 0,50 1,00
F4L 912F	4086		4	62 (84)						
F5L 912F	5107		5	78 (106)						
F6L 912F	6128		6	92 (125)						
BF4L 913	4086	● DX4.70, DX80	4		102,000	2,940 3,000 3,500	504 501 604	Cr IF P Cr P	<b>R31 140 000</b> R31 140 050 R31 140 100	STD 0,50 1,00
BF6L 913C	6128		6							
BF4L 913, BF4L 913C	4086	● DX4.70, DX80	4	64-92 (87-126)	102,000	3,000 3,000 3,500	504 511 604	Cr Cr Cr P	<b>R31 150 000</b> R31 150 050 R31 150 100	STD 0,50 1,00
BF6L 913, BF6L 913C	6128	● M160 L81, M160 M13 M168 M8	6	107-131 (145-178)						
BF4L 913	4086		4		102,000	3,000 3,000 5,000	504 501 604	Cr P Cr P	<b>R31 160 000</b> R31 160 050 R31 160 100	STD 0,50 1,00
BF6L 913	6128		6							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	
<b>● DEUTZ</b>										
F3L913	3064		3	45 (61)	102,000	3,000 2,500 2,500 5,000	504 501 501 604	Cr Cr P Cr P	R31 170 000 R31 170 050 R31 170 100	STD 0,50 1,00
F4L913 BF4L913T	4086	● DX4.50, DX86	4	55-64 (75-87)						
F6L913 BF6L913T	6128	● DX3.50, DX3.90 D7807, DX120	6	81-96 (110-130)						
F3L913	3064		3	45 (61)	102,000	3,000 2,500 2,500 5,000	504 501 501 604	Cr P P Cr	R31 180 000 R31 180 050 R31 180 100	STD 0,50 1,00
F4L913 BF4L913T	4086	● DX4.50, DX86	4	55-64 (75-87)						
F6L913 BF6L913T	6128	● DX3.50, DX3.90 D7807, DX120	6	81-96 (110-130)						
BF6L913FC	6128	● D2506, D5206, D7506	6		102,000	3,000 3,000 2,500 5,000	504 511 501 604	Pl Cr P P IW Cr P	R31 190 000 R31 190 050 R31 190 100	STD 0,50 1,00
BF6L913C	6128		6	131 (178)	102,000	2,940 3,000 3,000	504 511 604	Cr P Cr p Cr P	R31 330 000 R31 330 050 R31 330 100	STD 0,50 1,00
BF4M1013	4760		4	63-190 (85-258)	108,000	3,000 2,000 3,500	504 501 604	Mo IW P IFU Cr P	R31 390 000 R31 390 050	STD 0,50
BF6M1013	7140		6							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	
<b>● DEUTZ</b>										
F/A 1L 514	1330		1	13 (18)	110,000	3,000 3,000 3,000	 500	Cr P	R31 200 000	STD
F/A 2L 514	2660		2	27 (36)		6,000 6,000	 501  508  601  600	P P P P	R31 200 050 R31 200 100	0,50 1,00
F/A 3L 514	3990		3	40 (54)						
F/A 4L 514	5322		4	53 (72)						
F/A 6L 514 / -614	7980		6	81 V6 (110)						
F/A 8L 614	10640		V8	108 (147)						
F/A 12L 614	15960		V12	162 (220)						
F1L 514F			1		115,000	3,000 3,000 3,000 6,000	 500  501  508  604	Cr P P P P	R31 220 000	STD
F2L 514F			2							
F3L 514F			3							
F4L 514F			4							
F6L 312			6							
F6L 514F, F6L 814										
F8L 312, F8L 814			V8							
F10L 312, F10L 814			V10							
F12L 312, F12L 814			V12							
F6L 413, AL 413	8480	● Series 120, 170	V6	120-130 (163-176)	120,000	3,000 3,000 3,000	 500  501  508	Cr P P P	R31 230 000	STD
F8L 413, F8L 714A	11310	● Series 200, 210, 230, 232	V8	120-171 (163-232)		6,000	 604	Cr P		
F10L 413	14140	● Series 290, 310	V10	200-225 (272-305)						
F12L 413	16960	● Series 340	V12	240-250 (326-340)						

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● DEUTZ</b>											
<b>F4L 413R</b>	5880	● 130D	4	90 (128)	120,000	3,500 3,000 3,000		504 501 501	Cr P P	<b>R31 240 000</b>	STD
<b>F5L 413R</b>	7350	● 130D	5	112 (152)		6,000		604	Cr P		
<b>F6L 413R, F6L 413L</b>	8820	● 130D	V6	137 (183)							
<b>F8L 413L</b>	11760		V8	180 (244)							
<b>F10L 413L</b>	14700		V10	199-225 (270-305)							
<b>F12L 413L</b>	17640	● 270D, 310D, 340D	V12	270 (366)							
<b>F4L 413R, F4L 413R</b>	6378		4	83-94 (113-128)	125,000	3,000 2,500 4,000		504 501 604	Cr P Cr	<b>R31 260 000</b> R31 260 050 R31 260 100	STD 0,50 1,00
<b>F5L 413F, F5L 413FR</b>	7976		5	109-118 (148-160)							
<b>F6L 413F, F6L 413FR F6L 413FW /-FW BF6L 413FRC /-RC BF6L 513C</b>	9572	● DX8.20, D2304	6 V6	112-177 (152-240)							
<b>F8L 413F, F8L 413FW BF8L 413F, BF8L 513C</b>	12763	● Series 190, 250, 260, 290, 320 360, 2000, 4520, 4530, 4550 4620, 8000	V8	150-235 (204-320)							
<b>F10L 413F, /-FW BF10L 413F BF10L 513C</b>	15945	● Series 190, 320, 360	V10	188-294 (255-400)							
<b>F12L 413F BF12L 413F BF12L 513C</b>	19140	● 3000, 3500, N4520, N4530 N4540, N4550, N4620 360D 34 AS, 360D 45 AS 192M 14FL, 256D 16AK 256M 19FL /-22FLL 260T 117, 260L 117 320M 16FSL /-FS, 320D 19AK	V12	282-353 (384-480)							
<b>BF6L 413</b>	9572		6		125,000	3,000 3,000 4,000		504 501 604	Cr P PIWU Cr P	<b>R31 270 000</b> R31 270 050 R31 270 100	STD 0,50 1,00
<b>BF8L 413</b>	12763		V8								
<b>BF10L 413</b>	15945		V10								
<b>BF12L 413</b>	19140		V12								

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● DEUTZ</b>											
<b>BF6L 513</b>	9572		6		125,000	3,500 3,000 4,000		504 501 604	Cr P P IWU Cr P	<b>R31 280 000</b> R31 280 050 R31 280 100	STD 0,50 1,00
<b>BF8L 513</b>	12763		V8								
<b>BF10L 513</b>	15945		V10								
<b>BF12L 513</b>	19140		V12								
<b>BF6L 513</b>	9572		V6	182 (248)	125,000	3,500 2,500 4,000		504 501 604	Cr P P IWU Cr P	<b>R31 290 000</b> R31 290 050 R31 290 100	STD 0,50 1,00
<b>BF8L 513</b>	12763		V8	243 (330)							
<b>BF10L 513</b>	15945		V10	304 (413)							
<b>BF12L 513</b>	19140		V12	365 (496)							
<b>F6L 513</b> <b>F/BF6L 513</b>	10038	● Industrial	V6	141-192 (192-261)	128,000	3,500 3,000 4,000		504 501 604	Cr P P Cr P	<b>R31 410 000</b>	STD
<b>F8L 513</b> <b>F/BF8L 513</b>	13384	● Industrial	V8	188-212 (256-288)							
<b>F10L 513</b> <b>F/BF10L 513</b>	16730	● Industrial	V10	235-265 (320-360)							
<b>F12L 513</b> <b>F/BF12L 513</b>	20076	● Industrial	V12	282-318 (384-433)							
<b>A/BA6M 816</b> <b>A/BA6M 816U, -W, -R</b>	15204		6	200-324 (272-444)	142,000	4,000 3,000 6,000		504 501 604	Cr P P Cr P	<b>R31 320 000</b>	STD
<b>A/BA8M 816, -C</b>	20272		8	265-638 (360-867)							
<b>A/BA12M 816, -C</b>	30408		V12	401-950 (545-1292)							
<b>A/BA16M 816, -C, -CR</b> <b>A/BA16M 816CR, -U</b> <b>A/BA16M 816W, -R</b>	40544		V16	531-1270 (721-1727)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● LADA</b>											
2101	1198	● Nova Junior, 1200	4	55-57 (75-77)	76,000	1,500 2,000 3,940		500 508 700	Cr S P Cr P S	<b>R34 000 000</b> R34 000 040 R34 000 060 R34 000 080 R34 000 100	STD 0,40 0,60 0,80 1,00
1111, 2104	1451	● 1500	4	44-46 (60-62)							
2106, 21067	1294	● Nova, Nova C, 1300	4	48-52 (65-70)	79,000	1,500 2,000 3,940		500 508 700	Cr S P Cr P S	<b>R34 010 000</b> R34 010 040 R34 010 060 R34 010 080 R34 010 100	STD 0,40 0,60 0,80 1,00
2106, 21067	1568	● Niva, Taiga, 1600	4	57-59 (78-80)							
2111, 2112, 2123 21114, 21124 11113	1488	● Samara 1.5, Shiguli	4	55 (75)	82,000	1,500 2,000 3,940		500 508 700	Cr S P Cr P S	<b>R34 020 000</b> R34 020 040 R34 020 060 R34 020 080 R34 020 100	STD 0,40 0,60 0,80 1,00
21126	1596	● Lada 2170/2172 Priora 16v Kalina Sport 1.6	4	72 (98)	82,000	1,200 1,500 2,000		500 508 700	Nit S P Nit S	<b>R34 040 000</b> R34 040 050	STD 0,50
XUD 9 A	1905	● Niva 1900 D	4	47-52 (64-71)	83,000	2,000 2,000 3,000		500 501 604	Cr S P Cr	<b>R34 030 000</b> R34 030 025 R34 030 050 R34 030 100	STD 0,25 0,50 1,00
XUD 9 SD	1905	● Niva 1900 D	4	55 (75)	83,000	3,000 2,000 3,000		504 501 604	Cr P P Cr P	<b>R34 050 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● LANDROVER</b>											
18 K4F	1796	● Freelander 1.8 16V 4x4 Freelander 1.8i 16V 4x4 Freelander Soft Top 1.8i 16V 4x4	4	85-88 (116-120)	80,000	1,000 1,200 2,000	  	500 508 700	Nit S IF P Nit S	<b>R35 080 000</b>	STD
25 K4F	2497	● Freelander 2.5 V6 4x4	V6	129-130 (175-177)	80,000	1,200 1,500 2,500	  	500 508 700	Cr P P Cr P S	<b>R35 100 000</b>	STD
2.7 LION TVM	2720	● Discovery 2.7 TDI Range Rover 2.7 TDV6	4	150 (204)	81,000	2,000 2,000 2,000	  	500 501 604	Cr P IF P IFU Nit S	<b>R35 140 000</b>	STD
AJD V6-DT20	2993	● Discovery IV 3.0L	6	155 (211)	84,000	1,750 1,750 2,000	  	500 501 604	Cr S P IFU Nit S	<b>R35 010 000</b> R35 010 050	STD 0,50
TD6 / M57 D30	2926	● Discovery	6	130-142 (177-193)	84,000	3,000 2,000 3,000	  	504 508 604	Cr P P Cr P	<b>R35 160 000</b>	STD
TD5	2495	● Defender Cabrio 2.5 Td5 4x4 Defender Pickup 2.5 Td5 4x4 Defender SW 2.5 Td5 4x4 Discovery II 2.5 Td5 4x4	5	90-102 (122-139)	84,450	3,000 2,000 3,000	  	503 508 604	Cr S P Cr P S	<b>R35 020 000</b> R35 020 050	STD 0,50
14P, 15P	2495	● Defender Cabrio 2.5 Td5 4x4 Defender SW 2.5 Td5 4x4	5	90 (122)	84,450	3,000 2,000 3,000	  	504 508 604	Cr P P Cr P S	<b>R35 150 000</b> R35 150 050	STD 0,50
DW12 BTED 4	2179	● Freelander 2 2.2TD4	4	110 (150)	85,000	2,500 2,000 2,000	  	505 501 604	Cr P P IFU Nit S	<b>R35 000 000</b> R35 000 050	STD 0,50
	2486	● Land Rover 90 4WD Land Rover 110 4WD	4	83 (113)	90,475	1,780 1,780 4,747	  	500 508 604	Cr P IF P Cr P	<b>R35 030 000</b> R35 030 025 R35 030 050 R35 030 075 R35 030 100	STD 0,25 0,50 0,75 1,00
Gemini III DI / TCI	2495	● Land Rover 300 TDI	4	83 (113)	90,475	3,000 2,500 3,000	  	505 508 604	Cr Cr	<b>R35 050 000</b> R35 050 025 R35 050 050 R35 050 100	STD 0,25 0,50 1,00

Engine Type	cc	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● LOMBARDINI</b>											
15LD 315 196 LDA 326			1	5 (7)	78,000	2,000 2,000 3,000	  	500 501 604	Cr S P Cr P	<b>R36 070 000</b> R36 070 050 R36 070 100	STD 0,50 1,00
3LD 450 LDA 450, LDA 455	454		1	6-8 (8-10)	85,000	2,000 2,000 2,000 4,000	   	500 501 501 604	Cr P IF IF Cr P	<b>R36 000 000</b> R36 000 050 R36 000 100	STD 0,50 1,00
3LD 510 LDA 510, LDA 513	510										
3LD 450	454		1	6-8 (8-10)	85,000	2,000 2,000 4,000	  	500 501 604	Cr P IF Cr P	<b>R36 050 000</b> R36 050 050 R36 050 100	STD 0,50 1,00
3LD 510.1	510										
6LD 400.1	395		1	6 (9)	86,000	2,000 2,000 4,000	  	500 501 605	Cr P P P	<b>R36 060 000</b> R36 060 050 R36 060 100	STD 0,50 1,00
10LD 400.2			2								
10LD 400.3			3								
11LD 535.3			1		88,000	2,000 2,000 4,000	  	500 501 604	Cr S P IF Cr P	<b>R36 090 000</b> R36 090 050 R36 090 100	STD 0,50 1,00
4LD 640 LDA 670, LDA 96			1		95,000	3,000 3,000 3,000 5,000	   	500 501 501 604	Cr P P Cr P	<b>R36 010 000</b> R36 010 050 R36 010 100	STD 0,50 1,00
LDA 672, LD 675.2	1346		2								
LDA 673, 5LD 675.3	2019		3								
LDA 674, 5LD 675.4	2692		4								
LDA 720 LDA 723 LDA 725			1		95,000	2,500 2,500 2,500 5,000	   	500 501 501 604	Cr IF IF IF Cr P	<b>R36 020 000</b> R36 020 050 R36 020 100	STD 0,50 1,00
LDA 100 4LD 705, 5LD 105	707		1		100,000	3,000 2,500 2,500 5,000	   	500 501 501 604	Cr P IF P P P	<b>R36 030 000</b> R36 030 050 R36 030 100	STD 0,50 1,00
5LD 825.2, T832	1648		2								
5LD 825.3, T833	2472		3								
5LD 825.4, T834	3296		4								

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● LOMBARDINI</b>											
4LD 820	817		1		102,000	3,000 2,500 2,500 5,000	   	500 501 501 604	Cr P P Cr P	<b>R36 040 000</b> R36 040 050 R36 040 100	STD 0,50 1,00
LDA 820											
LDA 825											

Engine Type	cc	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	

## ● LISTER

			1		76,000	2,000 2,000 3,000	  	500 501 604	Nit P IFU P	<b>R37 160 000</b> R37 160 050 R37 160 100	STD 0,50 1,00
<b>LPA</b>			2 3	5-17 (6-23)	76,000	1,750 2,000 4,000	  	500 501 604	Cr P P Cr P	<b>R37 010 000</b> R37 010 050 R37 010 100	STD 0,50 1,00
<b>AD, LD</b>			1		76,200	3,160 2,385 2,385 3,947 3,947	    	514 501 501 600 600	Cr P P IFU P IFU P P	<b>R37 000 000</b> R37 000 050 R37 000 100	STD 0,50 1,00
<b>AC1</b>			1 2		76,200	1,750 2,000 3,947	  	500 508 603	Cr P P P	<b>R37 130 000</b> R37 130 050 R37 130 075 R37 130 100	STD 0,50 0,75 1,00
<b>AD1</b>			1 2		80,000	1,750 2,000 3,947	  	500 508 604	Cr P P Cr P	<b>R37 140 000</b> R37 140 050 R37 140 075 R37 140 100	STD 0,50 0,75 1,00
<b>LT</b>			1		82,550	2,385 1,990 3,947 3,947	   	514 501 604 600	Cr P P Cr P P	<b>R37 020 000</b> R37 020 025 R37 020 050 R37 020 100	STD 0,25 0,50 1,00
<b>LV</b>			1 2 3		85,725	2,385 1,990 3,947	  	500 501 604	Cr P P Cr P	<b>R37 150 000</b> R37 150 025 R37 150 050 R37 150 100	STD 0,25 0,50 1,00
<b>LPW, LPWS, LPWG LPWG T</b>		● Alpha	2 3 4	8-31 (10-41)	86,000	1,750 2,000 4,000	  	500 501 604	Cr P P Cr P	<b>R37 110 000</b> R37 110 025 R37 110 050 R37 110 100	STD 0,25 0,50 1,00
<b>SR</b>			1		88,900	3,160 2,385 2,385 3,947 3,947	    	514 501 501 600 600	Cr P P P P P	<b>R37 030 000</b> R37 030 050 R37 030 100	STD 0,50 1,00

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	
<b>● LISTER</b>										
			2		90,000	2,000		500	Nit	<b>R37 170 000</b>
			3			2,000		501	P IFU	R37 170 050
			4			3,000		604	Cr P	R37 170 100
ST			1		95,250	3,160		514	Cr P	<b>R37 040 000</b>
						2,385		501	P	R37 040 025
						2,385		501	P	R37 040 050
						4,747		604	Cr P	R37 040 075
						4,747		601	P	R37 040 100
TS			1		95,250	3,160		514	Cr P	<b>R37 120 000</b>
			2			2,385		500	P IW	R37 120 025
			3			4,747		604	Cr P	R37 120 050
			4							R37 120 075
										R37 120 100
PJ			1		96,825	2,385		500	Cr	<b>R37 180 000</b>
			2			2,385		501	P IWU	R37 180 025
			3			2,385		501	P IWU	R37 180 050
						4,747		604	Cr	R37 180 075
										R37 180 100
TR			1		98,425	3,160		514	Cr P	<b>R37 090 000</b>
			2			2,385		501	P	R37 090 025
			3			4,747		604	Cr P	R37 090 050
			4							R37 090 075
										R37 090 100
HA, HB, HW			1		101,600	4,747		514	Cr P	<b>R37 050 000</b>
						3,160		501	P	R37 050 050
						3,160		501	P	R37 050 100
						4,747		601	P	
						4,747		601	P	
HR			1		107,950	3,947		514	Cr P	<b>R37 060 000</b>
						3,160		501	P	R37 060 050
						3,160		501	P	R37 060 100
						4,747		604	Cr P	
						4,747		600	P	
5/1, 6/1 10/2, 12/2			1		114,300	3,160		500	P	<b>R37 070 000</b>
						3,160		500	P	R37 070 050
						3,160		500	P	R37 070 100
						3,160		600	P	
						4,747		600	P	

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● LISTER</b>											
'8/1, 16/2JP			1		114,300	4,747 3,160 3,160 4,747	   	514 500 500 600	P P P P	<b>R37 080 000</b> R37 080 050 R37 080 100	STD 0,50 1,00

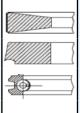
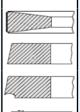
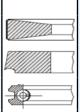
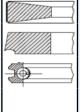
Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● MAN</b>											
<b>720.05</b> <b>720.08</b>	3593	● 6.90, 7.90	4	65-66 (88-90)	102,000	3,000 2,500 5,000	  	504 508 604	Cr P P Cr P	<b>R39 040 000</b>	STD
<b>D 0226</b> <b>MK, MKF, MC</b> <b>MLE, MKFA, MKH</b> <b>MTE, MTKE, MTXE</b>	5687	● 12.170, 12.192, 14.170 14.192, 16.170, 17.192	6	81-154 (110-209)	102,000	3,000 2,500 4,000	  	504 508 604	Cr P P Cr P	<b>R39 050 000</b>	STD
<b>D 0836</b> <b>M, HM</b>			6		108,000	3,000 2,500 2,500 5,000	   	504 501 508 604	Cr P P P Cr P	<b>R39 060 000</b>	STD
<b>D 0834</b> <b>LFL, LOH</b>	4580	● 8.145, 9.145, 10.145, 12.145 8.185, 10.185, 12.185, LE140	4	103-132 (162-206)	108,000	3,000 2,500 3,000	  	504 501 604	Mo P Cr P	<b>R39 280 000</b>	STD
<b>D 0836</b> <b>LF 01, 02, 03, 04, 05</b>	6871	● 12.284, 14.284, 15.284, 18.284 20.284, 23.284, 25.284 12.255, 14.255, 15.255, 18.255 20.255, 25.255, 26.255, LE250	6	162-206 (220-280)							
<b>D 0836</b> <b>M, MH, MU</b> <b>HM3, HM, HMN</b> <b>HMU, HM2, HM7</b>	7030	● 635, 650, 735, 850	6	99-115 (135-156)	108,000	2,500 2,500 5,000	  	500 501 604	Cr P Cr P	<b>R39 070 000</b>	STD
<b>D 0846</b> <b>HM2, HMN2, HMY</b>	7252	● 8.156, 8.160H, 8.160F, 9.156 9.160, 13.168, 15.168, 16.168 750 H0-SL, SG192, SL192 CR160, UE590	6	93-118 (127-160)							
<b>D 0824 Euro 1</b> <b>D 0824 LFL 2 Euro 2</b>	4580	● 8.153F, 8.163, 9.153F, 9.163F 12.163	4	118 (160)	108,000	3,000 2,500 4,000	  	504 501 604	Cr P P Cr P	<b>R39 080 000</b>	STD
<b>D 0826</b> <b>LF 01, 02, 04, 06</b> <b>LUH 04, LUH 213</b> <b>LOH, TF, TOH</b>	6590	● 10.153F, 10.163F, 17.232 18.232	6	142-169 (192-230)							
<b>D 0826</b> <b>FG 01, 02</b> <b>LE 51, 52</b> <b>WE 51, TUE 51</b> <b>LUE 51</b> <b>LFL 03, 11</b> <b>LUH 11 Euro 2</b> <b>LFB 15 EVB</b>	6871	● 8.224F, 17.232 Tractor	6	132-169 (180-230)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● MAN</b>											
<b>D 0824</b> <b>GF 01, 02, 03</b>	4580		4	75 (102)	108,000	2,500 2,500 4,000	  	500 501 604	Cr P P Cr P	<b>R39 230 000</b>	STD
<b>D 0826 GD 01, 02, 03</b> <b>GD 01, 02, 03</b> <b>GF 04 Euro 1, GF, OH</b> <b>LUH 213, LOH</b>	6871	● F90, G90, M90 6.100 FK 310, -360, -340 9.150 FK 310, -360, -340 10.150 FK 360, -425, -460, -510	6	110-114 (150-155)							
<b>D 1146</b>			6	152 (205)	111,000	3,500 3,000 4,000	  	504 501 604	Cr P P Cr P	<b>R39 240 000</b>	STD
<b>D 2066</b> <b>LOH, LUH, LF</b>	10520	● TGA 18.390, TGA 18.430	6	228-397 (310-540)	120,000	3,500 3,000 4,000	  	504 508 604	Cr P P Cr P	<b>R39 290 000</b>	STD
<b>D 2146 HM</b> <b>HM, M, M II</b>	9659	● 770 L1, 780 H, 1070 L1, 1080 H 2170 L1 D, 10210 TLA / TL1 10212 H, 3100, 3500, 4100 4500, 4600, 4900, 5200	6	126-156 (172-212)	121,000	3,500 3,000 3,000 5,500	   	500 501 506 604	Cr P P P Cr P	<b>R39 270 000</b>	STD
<b>D 2156</b> <b>HM, HMN, MGN</b> <b>MY, MNY, MYN</b> <b>HNY, HM2, HM3</b> <b>HMN3, HM9, HMN9</b> <b>HMXU 036 / 038</b>	10349	● 9.192, 9.216, 10.215, 12.192 12.215, 13.215, 13.230, 15.192 15.216, 16.816, 16.192, 16.215 21.215, 22.215 SL 192, SG 192, 10 UE 192 11 UE 192, 12 UE 192 22.192 FN, 22.192 FNL	6	141-169 (192-230)	121,000	3,500 3,000 3,000 5,500	   	504 501 506 604	Cr P P Cr	<b>R39 090 000</b>	STD
<b>D 2156</b> <b>MT, MTN, MTX</b>	10344	● 13.256 F, 16.256 F, 19.256 F 22.256 F, 26.256 F, 30.256 F	6	188 (256)							
<b>D 10</b> <b>UT 150 Euro 2</b> <b>RABA</b>	10350	● Ikarus, IK280 Raba	6	150 (204)	121,000	3,500 2,000 3,500	  	504 501 604	Cr P Cr P Cr P	<b>R39 250 000</b>	STD
<b>D 2356</b> <b>HM2, HM9</b> <b>HM10, HMN2, HMX</b>	10690	● 10.230 FL, 12.230 FL, 13.230 FL 16.230 FNS, 19.230 DF 22.230 F, 20.230 F, SG 192 SUE 230, 11 UE 192, 12 UE 192	6	169 (230)	123,000	3,500 3,000 3,000 5,500	   	504 501 506 604	Cr P P Cr	<b>R39 100 000</b>	STD
<b>D 2366</b>	10690		6	169 (230)	123,000	3,500 3,000 5,500	  	504 501 604	Cr P Cr	<b>R39 110 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● MAN</b>											
<b>D 2538</b> <b>M, ME, MF</b>	12756	● 16.256, 19.256, 26.256 30.256	8	160-188 (218-256)	125,000	3,000 3,000 5,000		500 501 604	Cr P P Cr P	<b>R39 120 000</b>	STD
<b>D 2530</b> <b>ME, MF, MXF</b>	15945	● 16.320, 19.320, 20.320 22.320, 26.320, 30.320 32.320, 38.320, DFK 3875 DF 4525, DF 5175	10	156-235 (212-320)							
<b>D 2538</b> <b>MT, MTE, MTH</b>	12763	● 16.320, 19.320, 26.320 30.320	8	223-294 (303-400)	125,000	3,000 3,000 3,000 5,000		504 501 506 604	Cr P P P Cr P	<b>R39 130 000</b>	STD
<b>D 2530</b> <b>MTE, MTXF</b>	15945	● 16.320, 19.320, 20.320 22.320, 26.320, 30.320 32.320, 40.320	10	178-235 (242-320)							
<b>D 2555</b> <b>M, ME, MF, MX, MUH</b>	9199		5	123-141 (168-192)	125,000	3,000 3,000 5,000		504 501 604	Cr P Cr P	<b>R39 140 000</b>	STD
<b>D 2565</b> <b>M, ME, MF, MFR MR, MUE, HM MUH, MUL</b>	9510	● 11.168, 13.168, 13.192 14.168, 14.192, 15.168 15.192, 16.168, 16.192 22.192	5	92-141 (125-192)							
<b>D 2566</b> <b>M, MX, MXF MXH, MUH</b>	11100	● 12.168, 13.168, 13.192 15.168, 15.192, 15.200 15.240, 16.168, 16.200 16.240, 19.168, 19.200 19.240, 22.240, 26.240 SD 200, SL 200, SUE 200 SR 240, SUE 240	6	147-176 (200-240)							
<b>D 2566</b> <b>HM, M, ME, MH MXF, MF, MUL, MUE MUH, MFO, MFOR MFR, MUM</b>	11407	● 15.240, 16.240, 19.240 22.240, 26.240, 30.240 SG 192, SL 200, SD 200 SG 220, SUE 240, SR 240 SUE 240	6	125-177 (170-240)							
<b>G 2566</b>	11412		6	147 (200)							
<b>D 2555</b> <b>M, ME, MF, MX, MUH</b>	9199		5	123-141 (168-192)	125,000	3,000 3,000 5,000		504 508 604	Cr S P IF IFU Cr P	<b>R39 150 000</b>	STD
<b>D 2565</b> <b>M, ME, MF, MFR MR, MUE, HM MUH, MUL</b>	9510	● 11.168, 13.168, 13.192 14.168, 14.192, 15.168 15.192, 16.168, 16.192 22.192	5	92-141 (125-192)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	
<b>● MAN</b>										
<b>D 2556</b> <b>M, MX, MXF</b> <b>MXH, MUH</b>	11100	● 12.168, 13.168, 13.192 15.168, 15.192, 15.200 15.240, 16.168, 16.200 16.240, 19.168, 19.200 19.240, 22.240, 26.240 SD 200, SL 200, SUE 200 SR 240, SUE 240	6	147-176 (200-240)						
<b>D 2566</b> <b>HM, M, ME, MH</b> <b>MXF, MF, MUL, MUE</b> <b>MUH, MFO, MFOR</b> <b>MFR, MUM</b>	11407	● 15.240, 16.240, 19.240 22.240, 26.240, 30.240 SG 192, SL 200, SD 200 SG 220, SUE 240, SR 240 SUE 240	6	125-177 (170-240)						
<b>G 2566</b>	11412	●	6	147 (200)						
<b>D 2548</b> <b>MT, MTF</b>	13940		V8	264 (360)	125,000	3,500 3,000 3,000 5,000	504 501 508 604	Cr P P CR P	<b>R39 160 000</b>	STD
<b>D 2540</b> <b>F, MT, MTE</b>	17426		V10	287-405 (390-555)						
<b>D 2542</b> <b>MLE, MTE</b>	20190		V12	311-478 (423-650)						
<b>D 2565</b>	9510		5	169 (230)	125,000	3,500 3,000 5,000	504 508 604	Cr P Cr P	<b>R39 170 000</b>	STD
<b>D 2566</b> <b>MT, MTE, MLE, MFT</b> <b>MTH, MTU, MTF, MK</b> <b>MTUM, MTUE, MUF</b> <b>MKUL, MTUH, LUM</b> <b>MKF, MKUH, KUL</b> <b>MLUH, MTHO</b>	11407	● 19.281, 19.280, 19.321 22.280, 22.281, 22.321 26.280, 26.281, 26.321 30.280, 32.280, 32.281	6	162-235 (220-320)						
<b>D 2566</b> <b>UH, BUH</b>	11413	● SG 220, SG 240 240 M 10, 240 M 12	6	147-177 (200-240)						

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● MAN</b>											
<b>D 2676 LF 04</b>	12412	● TGA 41.440, 40.440, 33.440 27.440, 26.440, 19.440 TGS 41.440, 40.440, 33.440 26.440, 21.440, 19.440	6	324 (440)	126,000	4,000 3,000 4,000		504 501 604	Cr P Cr P Cr P	<b>R39 210 000</b>	STD
<b>D 2676 LF 01, LF 02, LF 03 LF 05, LF 07, LF 12 LF 14, LF 16</b>	12412	● TGA 41.480, 39.480, 37.480 35.480, 33.480, 32.480 26.480, 24.480, 18.480 TGS 41.480, 40.480, 37.480 35.480, 33.480, 32.480 28.480, 26.480, 24.480 21.480, 19.480, 18.480 TGX 35.480, 33.480, 28.480 26.480, 24.480, 18.480	6	353 (480)							
<b>D 2676 LF 06, LF 11, LF 13</b>	12412	● TGA 41.540, 28.540, 26.540 24.540, 18.540 TGS 41.540, 37.540, 35.540 33.540, 28.540, 26.540 TGX 41.540, 35.540, 33.540 28.540, 26.540, 24.540 18.540	6	397 (540)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● MAN</b>											
<b>D 2865</b> <b>L, LOH, LU, LF -01, 02, 03, 04, 06</b>	9972	● 19.343	5	213-250 (290-340)	128,000	3,500 3,000 5,000		504 508 604	Cr P Cr	<b>R39 180 000</b>	STD
<b>D 2866</b> <b>F, FG, FR, OH, UH</b> <b>UM, KOH, KUH, KU</b> <b>KUL, KFZ, LF, LFZ</b> <b>LFZR, LOCH, LU, LUL</b> <b>TUH, TUM, K, KF</b> <b>LUH, LXF, TOH</b> <b>LF /01, 02, 03, 05</b> <b>LF /06, 07, 09</b> <b>LF /14, 16, 20 Euro 2</b> <b>LU /01, 03, 04</b> <b>LXUH, LXOH, LXFG</b> <b>LX, LFG, LXF, RXF</b>	11967	● 19.361, 19.332, 19.362 19.291, 19.292, 19.331 22.330, 22.331, 22.332 22.360, 22.361, 22.362 24.362, 26.281, 26.291 26.331, 26.331, 26.361 32.331, 32.361, 33.361 34.291, 34.331, 19.422 25.362 200, 202, 240, 242, 280, 290 292, 322, 332, 362, 363 F 2000 Marine, Industry	6	176-324 (239-440)							
<b>D 2848</b> <b>LE, T, LXE, LY, LZE</b>	14618	● Marine, Industry	V8	500 (680)							
<b>D 2840</b> <b>LE, LET, LF, LXF, LXE</b> <b>LYE, LZE, T</b> <b>LF 06 Euro 1</b>	18270	● 19.462, 19.502 Marine, Industry	V10	294-603 (400-820)							
<b>D 2842</b> <b>LXE, LY, LZE, MLE</b> <b>LE 20, LE 21</b>	21930	● Marine, Industry	V12	375-735 (510-1000)							
<b>D 2858</b> <b>M, X 090</b>	15450	● 13.304 DFS, 16.304 FN, FNS, G 19.304 DF, DFS, G, N 22.304 DFSA, 25.304, 26.304	V8	223 (304)	128,000	3,500 3,000 3,000 5,500		504 501 508 604	Cr P P P Cr P	<b>R39 190 000</b>	STD
<b>D 2858</b> <b>MT</b>	15442	● Industry	V8	250 (340)							
<b>D 2848</b> <b>M, MH, TF</b>	14618	●	V8	206 (280)	128,000	3,500 3,000 5,500		504 508 604	Cr P P Cr P	<b>R39 200 000</b>	STD
<b>D 2840</b> <b>MF, MFR, MH, ME</b>	18270	● Marine, Industry	V10	245-268 (333-364)							
<b>D 2842</b> <b>ME</b>	21930	● 26.315, 32.365, 40.365	V12	275-338 (375-460)							
<b>D 2866</b>	11967	● 26.414, F 2000, NG 312 NG 313, NL 313, NUE 353 R 313, UEL 313	6	191-309 (260-420)	128,000	4,000 3,000 4,000		504 508 604	Cr P P Cr P	<b>R39 260 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring				
			No	(HP)	Diam	Height	Type	Set No.	Size
<b>● MAN</b>									
<b>D 2876</b>	12816	● F 2000, 19.462, 19.463	6	294-338 (400-460)					
<b>D 2840</b> <b>LF 20 Euro 2</b>	18273	● 19.603, 26.603	6	441 (603)					
<b>D 2842</b>	21930	●	V10	446-587 (607-798)					

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● MERCEDES</b>											
<b>M 160 E 06</b>	599	● Smart For Two, Crossblade	3	33-52 (40-71)	63,500	1,200 1,500 2,500		500 501 700	Cr P S P Cr P S	<b>R40 790 000</b> R40 790 025 R40 790 050	STD 0,25 0,50
<b>M 132 E 10</b> <b>M 132 E 10 AL</b> <b>3 B 21</b>	999	● Smart 1.0	3	45-62 (61-84)	72,000	1,000 1,200 2,000		500 508 604	NitB S IF P Nit S	<b>R40 010 000</b>	STD
<b>OM 636</b>	1767	● Unimog 170, 180, L319, O319 L405, L406, U30, U32, U34 401, 402 411.110, -118, -119, -120	4	23-31 (32-43)	75,000	2,000 2,000 2,000 5,000 5,000		500 501 501 604 600	Cr IF P P P P	<b>R40 470 000</b> R40 470 050	STD 0,50
<b>M 166 E 14.940</b>	1397	● A 140	4	60 (82)	80,000	1,200 1,500 3,000		500 501 700	Cr S P Cr P S	<b>R40 590 000</b> R40 590 025 R40 590 050	STD 0,25 0,50
<b>M 166 E 16.960</b>	1598	● A 160, Vaneo	4	75 (102)							
<b>OM 668 DE 17 LA</b>	1689	● A 160, A 170 Vaneo CDI	4	55-70 (75-95)	80,000	2,000 2,000 3,000		500 501 604	Cr P IF P IF Cr P	<b>R40 600 000</b> R40 600 050 R40 600 075 R40 600 100	STD 0,50 0,75 1,00
<b>R9M 402</b>	1598	● C series	4	96 (130)	80,000	2,000 1,750 2,000		503 501 604	Cr P P IF Cr P	<b>R40 610 000</b> R40 610 050	STD 0,50
<b>M 275.950</b>	5513	● S 600, SL 600, CL 600	12	380 (517)	82,000	1,200 1,500 2,000		500 508 700	Nit S P Nit S	<b>R40 020 000</b>	STD
<b>M 271 E18 948</b>	1796	● C200, C230, CLK200 E200 Kompressor	4	141 (192)	82,000	1,200 1,500 2,500		500 501 700	NitB S P Nit S	<b>R40 090 000</b> R40 090 050	STD 0,50
<b>M 103 E 26</b>	2599	● 190 E 2.6, 260 E, 260 SE 300 E 2.6	6	110-125 (150-170)	82,900	1,500 1,750 3,000		500 508 604	Cr S IF P Cr P	<b>R40 000 000</b> R40 000 050	STD 0,50
<b>OM 640.939</b>	1493	● 1.5 CDI	3	50-70 (68-95)	83,000	2,000 2,000 2,000		505 501 604	Cr P IF P IFU Nit S	<b>R40 130 000</b>	STD
<b>OM 640.940</b> <b>OM 640.941</b> <b>OM 640.942</b>	1991	● A160 CDI A180 CDI, B180 CDI A200 CDI, B200 CDI	4	60-103 (82-140)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● MERCEDES</b>											
OM 642.910 /920	2987	● CLS320 CDI, E280 CDI E320 Bluetec, E320 CDI	6	155-165 (211-224)	83,000	2,000 2,000 2,000		504 501 604	Cr P IF P IFU Cr P	<b>R40 140 000</b>	STD
OM 642.921 /930											
OM 642.932 /940											
OM 642.950 /960											
OM 642.961 /970											
OM 651.911 /912	2143	● C180 CDI, C200 CDI, C220 CDI C250 CDI, CLS250 CDI E200 CDI, E220 CDI	4	92-110 (125-150)	83,000	2,000 1,750 2,000		500 501 604	Cr P IF P IFU Cr P	<b>R40 210 000</b> R40 210 025 R40 210 050	STD 0,25 0,50
M 166 E 19	1898	● A 190	4	92 (125)	84,000	1,200 1,750 2,500		500 508 700	Nit S P Nit S	<b>R40 620 000</b> R40 620 050	STD 0,50
M 111 E 18	1799	● C 180	4	90 (122)	85,300	1,500 1,750 3,000		500 508 700	Nit S IF P Nit S	<b>R40 510 000</b> R40 510 025 R40 510 050	STD 0,25 0,50
M 110	2746	● 280, 280 E, 280 SE, 280 SL	6	81-136 (110-185)	86,000	1,750 2,500 4,000		500 508 604	CrB Fe S IF P Cr P	<b>R40 030 000</b> R40 030 050 R40 030 100	STD 0,50 1,00
M 130	2778	● 250, 280 S, 300 S	6	81-125 (110-170)	86,500	2,000 2,000 2,500 4,000		500 501 508 604	Cr IF P P P	<b>R40 040 000</b> R40 040 050 R40 040 100	STD 0,50 1,00
OM 601.911	1997	● 190 D, 200 D	4	53 (72)	87,000	2,000 2,000 3,000		500 501 604	CrB S P IF Cr P	<b>R40 050 000</b> R40 050 050	STD 0,50
OM 621	1988	● 180 D, 190 D, 200 D	4	33-40 (45-55)	87,000	2,000 2,000 2,000 5,000		500 501 501 604	Cr S P IF P IF P	<b>R40 060 000</b> R40 060 050 R40 060 100	STD 0,50 1,00
OM 615	1998	● 200 D, 206 D, 306 D	4	40 (55)	87,000	3,000 2,000 4,000		500 501 604	Cr IF P IF Cr P	<b>R40 070 000</b> R40 070 050 R40 070 100	STD 0,50 1,00
OM 615	1988	● 200 D, 206 D, 207 D, 306 D	4	44 (60)	87,000	2,000 2,000 4,000		500 501 604	CrB S P IF Cr P	<b>R40 080 000</b> R40 080 050 R40 080 100	STD 0,50 1,00

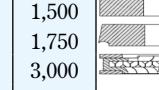
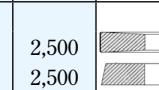
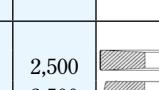
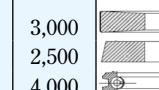
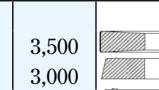
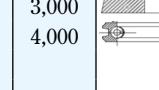
Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● MERCEDES</b>											
<b>OM 615</b>	2197	● 200 D, 206 D, 207 D, 306 D 220 D, L200 D, L306 D, 0309 D L406 G, L408 G Unimog U45/421, U51/421	4	37-48 (51-65)							
<b>M 115</b>	1988	● 200, 220, 408, O309	4	62-77 (85-105)	87,000	1,500 2,500 4,000		500 508 604	Cr S IF P P	<b>R40 100 000</b> R40 100 050 R40 100 100	STD 0,50 1,00
<b>M 115</b>	1988	● 200, O309 B, L408 GC	4	62-77 (85-105)	87,000	1,750 2,500 4,000		500 508 604	CrB Fe S IF P Cr P	<b>R40 110 000</b> R40 110 050 R40 110 100	STD 0,50 1,00
<b>M 115.900</b>	2197	● 220, O309, L408	4	77 (105)	87,000	2,000 2,500 4,000		500 508 604	CrB Fe S P P	<b>R40 120 000</b> R40 120 050 R40 120 100	STD 0,50 1,00
<b>OM 601.911</b> <b>OM 601.912/.913</b>	1997	● 190 D, 200 D, 200 TD	4	53-55 (72-75)	87,000	2,500 2,000 3,000		500 501 604	Cr P P IF Cr P	<b>R40 160 000</b> R40 160 050	STD 0,50
<b>OM 602, OM 602 A</b> <b>OM 605, OM 605 LA</b>	2497	● 190 D, 250 D, 250 GD C250 D, E250 D, C250 TD O450 Turbo	5	62-110 (84-150)							
<b>OM 603, OM 603 A</b> <b>OM 606, OM 606 LA</b>	2996	● 300 D, 300 GD, 300 D Turbo E300 D, S300 TD	6	80-130 (109-177)							
<b>M 102</b>	1797	● 190 E	4	80 (109)	87,500	1,750 2,000 3,500		500 501 604	Cr P IF P IF Cr P	<b>R40 170 000</b> R40 170 050	STD 0,50
<b>OM 646.986 Euro 4</b>	2148	● Sprinter 209, 211, 213, 215 CDI 309, 311, 313, 315 CDI 411, 415 CDI 509, 511, 515 CDI	4	95-110 (129-150)	88,000	2,500 2,000 2,000		500 501 604	Cr P IF Cr P IFU Nit S	<b>R40 580 000</b> R40 580 025 R40 580 050	STD 0,25 0,50
<b>OM 615</b>	2197	● 200 D, 206 D, 207 D, 306 D 220 D, L200 D, L306 D, 0309 D L406 G, L408 G Unimog U45/421, U51/421	4	37-48 (51-65)							
<b>M 115</b>	1988	● 200, 220, 408, O309	4	62-77 (85-105)	87,000	1,500 2,500 4,000		500 508 604	Cr S IF P P	<b>R40 100 000</b> R40 100 050 R40 100 100	STD 0,50 1,00

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● MERCEDES</b>											
<b>M 115</b>	1988	● 200, O309 B, L408 GC	4	62-77 (85-105)	87,000	1,750 2,500 4,000	  	500 508 604	CrB Fe S IF P Cr P	<b>R40 110 000</b> R40 110 050 R40 110 100	STD 0,50 1,00
<b>M 115.900</b>	2197	● 220, O309, L408	4	77 (105)	87,000	2,000 2,500 4,000	  	500 508 604	CrB Fe S P P	<b>R40 120 000</b> R40 120 050 R40 120 100	STD 0,50 1,00
<b>OM 601.911</b> <b>OM 601.912 / .913</b>	1997	● 190 D, 200 D, 200 TD	4	53-55 (72-75)	87,000	2,500 2,000 3,000	  	500 501 604	Cr P P IF Cr P	<b>R40 160 000</b> R40 160 050	STD 0,50
<b>OM 602, OM 602 A</b> <b>OM 605, OM 605 LA</b>	2497	● 190 D, 250 D, 250 GD C250 D, E250 D, C250 TD O450 Turbo	5	62-110 (84-150)							
<b>OM 603, OM 603 A</b> <b>OM 606, OM 606 LA</b>	2996	● 300 D, 300 GD, 300 D Turbo E300 D, S300 TD	6	80-130 (109-177)							
<b>M 102</b>	1797	● 190 E	4	80 (109)	87,500	1,750 2,000 3,500	  	500 501 604	Cr P IF P IF Cr P	<b>R40 170 000</b> R40 170 050	STD 0,50
<b>M 116</b>	3839	● 380 SE, 380 SL	V8	150 (204)	88,000	1,500 2,000 3,500	  	500 501 604	Nit S P IF Cr P	<b>R40 640 000</b> R40 640 050	STD 0,50
<b>OM 611 DE 22 LA</b> <b>OM 611.961</b>	2151	● C200 CDI, C220 CDI, E220 CDI V200, V220, Sprinter	4	75-105 (102-143)	88,000	2,500 2,000 3,000	  	500 501 604	Cr P IF P IF Cr P	<b>R40 770 000</b> R40 770 050	STD 0,50
<b>OM 612</b> <b>OM 647.961</b>	2686	● C270 CDI, ML270, G270 Sprinter	5	115-125 (156-170)							
<b>OM 613</b> <b>OM 648.960</b>	3222	● C320 CDI, E320 CDI, S320 CDI	6	150 (204)							
<b>M 103 E 30</b> <b>M 104 E 30</b>	2962	● 300 E, 300 SE, 300 SL, 300 GE	6	132-140 (180-190)	88,500	1,500 1,750 3,000	  	500 508 604	Cr S IF P Cr P	<b>R40 180 000</b> R40 180 050	STD 0,50
<b>M 103 E 30</b> <b>M 104 E 30</b>	2962	● 300 E, 300 SE, 300 SL, 300 GE 300 E-24, 300 SL-24	6	132-170 (180-231)	88,500	1,500 1,750 3,000	  	500 508 604	Nit S IF P Cr P	<b>R40 190 000</b> R40 190 050	STD 0,50
<b>M 102 E 20</b> <b>M 102 V 20</b>	1997	● 190 E 200 E 200 GE	4	80-90 (109-122)	89,000	1,750 2,000 3,500	  	500 508 604	Cr S IF P Cr P	<b>R40 200 000</b> R40 200 050 R40 200 100	STD 0,50 1,00

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● MERCEDES</b>											
<b>M 103 E 30</b> <b>M 104 E 30</b>	2962	● 300 E, 300 SE, 300 SL, 300 GE 300 E-24, 300 SL-24	6	132-170 (180-231)	88,500	1,500 1,750 3,000		500 508 604	Nit S IF P Cr P	<b>R40 190 000</b> R40 190 050	STD 0,50
<b>M 102 E 20</b> <b>M 102 V 20</b>	1997	● 190 E 200 E 200 GE	4	80-90 (109-122)	89,000	1,750 2,000 3,500		500 508 604	Cr S IF P Cr P	<b>R40 200 000</b> R40 200 050 R40 200 100	STD 0,50 1,00
<b>OM 604 D</b>	2155	● C220, E220	4	70 (95)	89,000	2,500 2,000 3,000		500 508 604	Cr IF P Cr P	<b>R40 220 000</b> R40 220 050 R40 220 070	STD 0,50 0,70
<b>OM 601 D 23</b>	2299	● 208, 308, 408, 508 Vito, Viano	4	58-72 (79-98)							
<b>OM 602 D 29</b> <b>OM 602 D 29 LA</b>	2874	● 290 GD, O405 Sprinter, Vario	5	70-95 (95-129)							
<b>OM 603 D 35 A</b>	3449	● 350 S, 350 GD	6	100-110 (136-150)							
<b>M 120 E 60</b>	5987	● 600 S, 600 SE, 600 SEL	V12	290-300 (395-408)	89,000	1,500 2,000 3,500		500 508 604	Nit S P Nit S	<b>R40 540 000</b> R40 540 035 R40 540 070	STD 0,35 0,70
<b>M 111 E 20</b>	1998	● C200, E200 Vito, Sprinter	4	95-100 (129-136)	89,900	1,500 1,750 3,000		500 508 604	Nit S P Cr P	<b>R40 230 000</b> R40 230 050	STD 0,50
<b>M 111 E 22</b>	2199	● C220, E220	4	110 (150)							
<b>M 112 E 26</b>	2597	● E240, C240, CLK240	6	125-130 (170-177)							
<b>M 104 E 28</b> <b>M 112 E 28</b>	2799	● C280, E280, S280, SL280	6	150 (204)							
<b>M 104 E 32</b> <b>M 112 E 32</b>	3199	● E320, G320, S320, CLK320 300 SE, 320 SL, ML320	6	155-170 (211-231)							
<b>M 111 E 20</b>	1998	● C200, E200 Vito, Sprinter	4	95-100 (129-136)	89,900	1,500 1,750 3,000		500 508 700	NitB S P Cr P	<b>R40 660 000</b> R40 660 025 R40 660 050	STD 0,25 0,50
<b>M 111 E 22</b>	2199	● C220, E220	4	110 (150)							
<b>M 112 E 26</b>	2597	● E240, C240, CLK240	6	125-130 (170-177)							
<b>M 104 E 28</b> <b>M 112 E 28</b>	2799	● C280, E280, S280, SL280	6	150 (204)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● MERCEDES</b>											
<b>M 104 E 32</b>	3199	● E320, G320, S320, CLK320 300 SE, 320 SL, ML320	6	155-170 (211-231)							
<b>M 112 E 32</b>											
<b>M 113 E 43</b>	4266	● S430, ML430, C430, CLK430	V8	205 (279)							
<b>OM 616</b>	2399	● 240 D, 240 GD, O309, 207 307, 407, 507, Unimog	4	38-48 (52-65)	90,900	3,000 2,000 4,000		500 501 604	Cr S IF P IF Cr P	<b>R40 240 000</b> R40 240 025 R40 240 050	STD 0,25 0,50
<b>OM 617</b>	2988	● 300 D, 300 SD T, 300 TD T 209, 309, 409, 240 D 3.0	5	64-92 (88-125)							
<b>OM 617 A</b>											
<b>M 111 E 23</b>	2295	● C230, E230, V230, SLK230 Viano, Sprinter, Vito	4	105-145 (143-197)	90,900	1,500 1,750 3,000		500 508 700	Nit S IF P Nit S	<b>R40 670 000</b> R40 670 025 R40 670 050	STD 0,25 0,50
<b>OM 616</b>	2404	● 240D, 207, 307, 309 Unimog	4	38-48 (52-65)	91,000	3,000 2,000 4,000		500 501 604	Cr S IF P IF Cr P	<b>R40 260 000</b> R40 260 025 R40 260 050 R40 260 070	STD 0,25 0,50 0,70
<b>OM 617</b>	3005	● 240D, 300D	5	59 (80)							
<b>M 119 E 42</b>	4196	● 400 E, 400 SE 420 E, 420 SE, 420 SEL	V8	205 (279)	92,000	1,500 1,750 3,000		500 508 700	Nit S Cr P Nit S	<b>R40 270 000</b> R40 270 050 R40 270 100	STD 0,50 1,00
<b>M 116 E 42.964</b>	4196	● 420 SE, 420 SL	V8	165 (224)	92,000	1,500 2,000 3,500		500 508 604	Cr S IF P Cr P	<b>R40 680 000</b> R40 680 050 R40 680 100	STD 0,50 1,00
<b>M 116.960</b>	3818	● 380 SE, 380 SL	V8	160 (218)	92,000	1,750 2,000 3,500		500 508 604	Cr S IF P Cr S	<b>R40 690 000</b> R40 690 050 R40 690 100	STD 0,50 1,00
<b>M 116 E 36</b>	3499	● 280 SE, 300 SE, 350 SE, 350 SL	V8	147 (200)	92,000	1,750 2,500 4,000		500 508 604	Cr S IF P Cr P	<b>R40 700 000</b> R40 700 050 R40 700 100	STD 0,50 1,00
<b>M 117</b>	4520	● 450 SE, 450 SL	8	134-165 (182-225)							
<b>M 115 E 23</b>	2307	● 230, 230 G, O309	4	59-81 (80-110)	93,750	1,750 2,500 4,000		500 508 604	Cr P IF P Cr P	<b>R40 280 000</b> R40 280 040 R40 280 080	STD 0,40 0,80

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● MERCEDES</b>											
<b>M 102 E 23</b>	2299	● 190 E, 230 E, 230 G, 230 GE 208, 210, 308, 310, 410, 510	4	70-100 (95-136)	95,500	1,750 2,000 3,500		500 508 604	Cr IF P Cr P	<b>R40 290 000</b> R40 290 050 R40 290 100	STD 0,50 1,00
<b>M 102 E 23</b>	2299	● 190 E, 230 E, 230 G, 230 GE	4	125-136 (170-185)	95,500	1,500 1,750 3,500		500 508 604	Cr S IF P Cr S	<b>R40 710 000</b> R40 710 050 R40 710 100	STD 0,50 1,00
<b>M 119 E 50</b>	4973	● S 500, SL 500, CL 500	V8	235 (320)	96,500	1,500 1,750 3,000		500 508 604	Cr S IF Cr P Cr P	<b>R40 720 000</b> R40 720 050 R40 720 100	STD 0,50 1,00
<b>M 117 E 50</b> <b>M 119 E 50</b>	4973	● 500, 500 SE, 500 SL E500, CL500	V8	164-240 (223-333)	96,500	1,750 2,000 3,500		500 501 604	Cr IF P IF Cr P	<b>R40 730 000</b> R40 730 050 R40 730 100	STD 0,50 1,00
<b>M 117 E 56</b>	5547	● 560 SE	8	205-220 (279-300)							
<b>OM 352 A</b> <b>OM 353 A</b> <b>OM 362 LA</b>	5675	● 1017, 1217, 1417, 1419, 1617 1619, 1420, 1619, 1620, 2219 2220, U 1000, U 1250, U 1300 U 1500, U 1700 Unimog	6	92-141 (125-192)	97,000	2,500 2,500 4,000		505 501 604	Cr S P IWU Cr P	<b>R40 300 000</b> R40 300 050 R40 300 100	STD 0,50 1,00
<b>OM 314</b>	3782	● 1013, 1113, 1213, 1313, 1413 1513, 1613, 408, 508, 608, 613 811, 813, 911, 913, O 322 O 302, O 309, O 312, O 321 Unimog	4	34-62 (47-85)	97,000	3,000 3,000 3,000 5,500 5,500		505 501 501 604 600	Cr S P P Cr P P	<b>R40 310 000</b> R40 310 050 R40 310 100	STD 0,50 1,00
<b>OM 352</b> <b>OM 353</b> <b>OM 352 A</b> <b>OM 367</b>	5673	● L408, L/LS508, LP/LT 608 L613, LP/LPL709, L710 LP/LPL908, LS/LPS911, L810 LP808, LP811, LS/LPS1113 LP813, LP913, L1013, L1113 L1213, LP1313, L1413, L1513 L1613, O 302, O 309, O 312 O 321, O 322 Unimog	6	51-95 (70-130)							
<b>OM 314</b>	3782	● 1013, 1113, 1213, 1313, 1413 1513, Unimog	4	34-62 (47-85)	97,000	3,000 3,000 3,000 5,500		505 501 501 604	Cr S P P Cr P	<b>R40 320 000</b> R40 320 050 R40 320 100	STD 0,50 1,00
<b>OM 352</b> <b>OM 353</b>	5673	● L408, L/LS508, LP/LT 608 L613, LP/LPL/LPL709, L710 LP/LPL809, LP810, LS/LPS911 LP808, LP811, LS/LPS1113 LP813, LP913, L1013, L1113 L1213, LP1313, L1413, L1513	6	51-95 (70-130)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● MERCEDES</b>											
		L1613, O 302, O 309, O 312 O 321, O 322 Unimog									
<b>M 113 E 50</b>	4966	● S 500, SL 500, G 500	V8	225 (306)	97,000	1,200 1,500 3,000		500 508 700	Nit S P Nit S	<b>R40 740 000</b>	STD
<b>M 113 E 50</b>	4966	● S 500, SL 500, G 500	V8	225 (306)	97,000	1,500 1,750 3,000		500 508 700	Cr S IF P Nit S	<b>R40 750 000</b> R40 750 050	STD 0,50
<b>OM 364</b> <b>OM 364 A</b> <b>OM 364 LA</b>	3972	● Atego 711, 811, 1117, 1120 1320, 1417, 1520, 1820	4	63-177 (86-241)	97,500	2,500 2,500 4,000		505 501 604	Cr S P IWU Cr P	<b>R40 340 000</b> R40 340 050 R40 340 100	STD 0,50 1,00
<b>OM 366</b> <b>OM 366 A</b> <b>OM 366 LA</b>	5958	● Atego 817, 1117, 1120, 1317 1320, 1417	6	95-177 (129-241)							
<b>OM 364 LA</b>	3972	● Atego 1117, 1120, 1320 1417, 1520, 1820	4	63-177 (86-241)	97,500	2,500 2,500 4,000		505 501 604	Mo Cr IWU Cr	<b>R40 520 000</b> R40 520 050 R40 520 100	STD 0,50 1,00
<b>OM 366 LA</b>	5958	● Atego 817, 1117, 1120, 1317 1320, 1417	6	170 (241)							
<b>OM 904</b> <b>OM 904 LA</b>	4250	● Atego 612, 711, 811, 812, 814 911, 917, 1117, 1317	4	75-142 (102-190)	102,000	3,000 2,500 4,000		505 501 604	Cr P Cr IWU Cr P	<b>R40 550 000</b>	STD
<b>OM 906</b> <b>OM 906 LA</b>	6374	● Atego 817, 823, 917, 923 1017, 1023, 1215, 1217 1123, 1228, 1323, 1328 1517, 1523, 1528	6	142-205 (190-279)							
<b>OM 360</b> <b>OM 360 A</b> <b>OM 360 H</b>	8720	● O 302, O 305, L 1317 LP -2317, -1319, -1417, -1419 1519, -1619, -1817, 1819	6	127-154 (172-210)	115,000	3,500 3,000 5,500		505 501 604	Cr P IF Cr	<b>R40 350 000</b> R40 350 050 R40 350 100 R40 350 150	STD 0,50 1,00 1,50
<b>OM 401</b>	9572	● 1224, 1227, 1424, 1427, 1431 1727, 1824, 1827, 1831, 1927 2024, 2031, 2426, 2427, 2431 2524, O 404	6	129-188 (175-256)	125,000	3,000 3,000 4,000		505 501 604	Cr S P Cr	<b>R40 370 000</b>	STD
<b>OM 401.905</b>	10456	● Industrial	V6	193 (262)	125,000	3,000 3,000 3,000 4,000		505 501 508 604	Cr S P P Cr P	<b>R40 380 000</b>	STD
<b>OM 407 A</b> <b>OM 407 HA</b>	11413	● O 305 G	6	206 (280)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● MERCEDES</b>											
<b>OM 403</b>	15950	● Industrial	V8	250 (340)							
<b>OM 404 A 901</b>	20911	● Industrial	V12	386 (525)							
<b>OM 409</b>	9200	● Industrial	5	137 (187)	125,000	3,000 3,000 6,000		505 508 604	Mo P Cr P	<b>R40 390 000</b>	STD
<b>OM 401 A</b> <b>OM 401 LA</b>	9572	● 1019, 1219, 1419, 1619, 1719 1819, 1919, 2219, O 303	6	180-231 (246-314)							
<b>OM 402 LA</b>	12760	● 1226, 1227, 1429, 1726, 1827 1838, 2422, 2427, 2527, 2638 2635, Actros	8	280 (381)							
<b>OM 403</b>	15950	● 1626, 1632, 1926, 1932, 2032 2226, 2232, 2626	10	261 (355)							
<b>OM 404</b>	20910	● Stationary	12	184-236 (250-321)							
<b>OM 409</b>	9200	● Industrial	5	137 (187)	125,000	3,000 3,000 6,000		505 508 604	Cr P Cr P	<b>R40 400 000</b>	STD
<b>OM 401 A</b> <b>OM 401 LA</b>	9572	● 1019, 1219, 1419, 1619, 1719 1819, 1919, 2219, O 303	6	180-231 (246-314)							
<b>OM 402 LA</b>	12760	● 1226, 1227, 1429, 1726, 1827 1838, 2422, 2427, 2527, 2638 2635, Actros	8	280 (381)							
<b>OM 401 LA</b>	9572	● O 404, 1226, 1227, 1429, 1726 1727, 1827, 1838, 2422, 2427 2527, 2638, Actros	V6	200-230 (272-313)	125,000	3,000 3,000 4,000		505 508 604	Cr S Cr IWU Cr	<b>R40 490 000</b>	STD
<b>OM 402</b> <b>OM 402 LA</b>	12760	● O 404, 1226, 1227, 1429, 1726 1727, 1827, 1831, 1838, 2422 2427, 2527, 2531, 2635, 2638 Actros	V8	280 (381)							
<b>OM 427</b> <b>OM 427 A</b>	11407	● O 405	5	150 (204)	128,000	3,000 3,000 4,000		505 501 604	Mo Cr IWU Cr	<b>R40 410 000</b>	STD
<b>OM 421, OM 421 A</b> <b>OM 441 A, OM 441 LA</b>	10965	● O 303, O 405, O 407 1222, 1234, 1422, 1622, 1733 1922, 2222, 2433, 2534, 3234 Actros	6	159-390 (216-530)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	

**● MERCEDES**

<b>OM 427 HLA</b> <b>OM 429 A, OM 429 LA</b> <b>OM 447, OM 457 LA</b> <b>OM 457 HLA</b> <b>OM 458, OM 475</b>	11967	● O 404, O 405, O 500, O 530 Axor, Citaro, Travego	6	184-335 (250-456)							
<b>OM 422, OM 422 A</b> <b>OM 442 A, OM 442 LA</b>	14618	● O 303, O 404 1633, 1635, 1933, 2033, 2233 2235, 3333, Atego, Actros	8	184-390 (250-530)							
<b>OM 423, OM 423 LA</b> <b>OM 443 A, OM 443 LA</b>	18273	● 1636, 1936, 2235, 2236, 3836 Actros, Stationary	10	184-412 (250-560)							
<b>OM 424, OM 424 A</b> <b>OM 424 LA</b> <b>OM 444 A, OM 444 LA</b>	21927	● O 303, 1633, 1638, 1933, 1938 2638, 3333 Actros, Stationary	12	309-500 (420-680)							
<b>OM 421, OM 421 A</b> <b>OM 441 A, OM 441 LA</b>	10965	● O 303, O 405, O 407 1222, 1234, 1422, 1622, 1733 1922, 2222, 2433, 2534, 3234 Actros	6	184-390 (250-530)	128,000	3,000 3,000 4,000		505 508 604	Cr P Cr	<b>R40 420 000</b>	STD
<b>OM 422, OM 422 A</b> <b>OM 442 A, OM 442 LA</b>	14618	● O 303, O 404 1633, 1635, 1933, 2033, 2233 2235, 3333, Atego, Actros	8	184-390 (250-530)							
<b>OM 421, OM 421 A</b> <b>OM 441 A, OM 441 LA</b>	10965	● O 303, O 405, O 407 1222, 1234, 1422, 1622, 1733 1922, 2222, 2433, 2534, 3234 Actros	6	184-390 (250-530)	128,000	3,000 3,000 4,000		505 508 604	Nit S P Cr	<b>R40 760 000</b>	STD
<b>OM 422, OM 422 A</b> <b>OM 442 A, OM 442 LA</b>	14618	● O 303, O 404 1633, 1635, 1933, 2033, 2233 2235, 3333, Atego, Actros	8	184-390 (250-530)							
<b>OM 427</b> <b>OM 427 A</b>	11407	● O 405	5	150 (204)	128,000	3,000 3,000 4,000		505 501 604	Pl Cr IWU Cr	<b>R40 800 000</b>	STD
<b>OM 421, OM 421 A</b> <b>OM 441 A, OM 441 LA</b>	10965	● O 303, O 405, O 407 1222, 1234, 1422, 1622, 1733 1922, 2222, 2433, 2534, 3234 Actros	6	159-390 (216-530)							
<b>OM 427 HLA</b> <b>OM 429 A, OM 429 LA</b> <b>OM 447, OM 457 LA</b> <b>OM 457 HLA</b> <b>OM 458, OM 475</b>	11967	● O 404, O 405, O 500, O 530 Axor, Citaro, Travego	6	184-335 (250-456)							
<b>OM 422, OM 422 A</b> <b>OM 442 A, OM 442 LA</b>	14618	● O 303, O 404 1633, 1635, 1933, 2033, 2233 2235, 3333, Atego, Actros	8	184-390 (250-530)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	
<b>● MERCEDES</b>										
<b>OM 423, OM 423 LA</b>	18273	● 1636, 1936, 2235, 2236, 3836 Actros, Stationary	10	184-412 (250-560)						
<b>OM 443 A, OM 443 LA</b>										
<b>OM 424, OM 424 A</b>	21927	● O 303, 1633, 1638, 1933, 1938 2638, 3333 Actros, Stationary	12	309-500 (420-680)						
<b>OM 424 LA</b>										
<b>OM 444 A, OM 444 LA</b>										
<b>OM 427</b>	11407	● O 405	5	150 (204)	128,000	3,000 3,000 4,000	505 501 604	IP Cr IWU Cr	<b>R40 820 000</b>	STD
<b>OM 427 A</b>										
<b>OM 421, OM 421 A</b>	10965	● O 303, O 405, O 407 1222, 1234, 1422, 1622, 1733 1922, 2222, 2433, 2534, 3234 Actros	6	159-390 (216-530)						
<b>OM 441 A, OM 441 LA</b>										
<b>OM 427 HLA</b>	11967	● O 404, O 405, O 500, O 530 Axor, Citaro, Travego	6	184-335 (250-456)						
<b>OM 429 A, OM 429 LA</b>										
<b>OM 447, OM 457 LA</b>										
<b>OM 457 HLA</b>										
<b>OM 458, OM 475</b>										
<b>OM 422, OM 422 A</b>	14618	● O 303, O 404 1633, 1635, 1933, 2033, 2233 2235, 3333, Atego, Actros	8	184-390 (250-530)						
<b>OM 442 A, OM 442 LA</b>										
<b>OM 423, OM 423 LA</b>	18273	● 1636, 1936, 2235, 2236, 3836 Actros, Stationary	10	184-412 (250-560)						
<b>OM 443 A, OM 443 LA</b>										
<b>OM 424, OM 424 A</b>	21927	● O 303, 1633, 1638, 1933, 1938 2638, 3333 Actros, Stationary	12	309-500 (420-680)						
<b>OM 424 LA</b>										
<b>OM 444 A, OM 444 LA</b>										
<b>OM 346</b>	10809	● L 334, LS 332, LP/LKA 1418 1518, 1618, 1619, 1620, 1918 1920, 2020, 2220	6	132-154 (180-210)	128,000	3,500 3,500 3,500 6,500	505 501 508 604	Cr P IF P Cr	<b>R40 430 000</b>	STD
<b>OM 355</b>	11581	● O 317, L 1621, 1921 LP 1424, 1623, 1636, 1624 1923, 1924, 2224, 2623, 2624 LPK 1624, 2224	6	136-191 (185-260)						
<b>OM 355 A</b>	11900	● L 1928, 2628	6	206-210 (280-285)						
<b>OM 411</b>	11309	● O 303, 1622, 1722, 1922, 2222 2422, Stationary	V6 6	150-165 (204-225)	130,000	3,000 3,000 4,000	500 501 604	Cr S Cr IWU Cr	<b>R40 440 000</b>	STD
<b>OM 441</b>										
<b>OM 422</b>	15080	● O 303, 1628, 1726, 1729, 1928 1929, 2228, 2429, 3239	V8	206-218 (280-296)						
<b>OM 442</b>	18848	● Stationary	8	218 (296)						

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● MERCEDES</b>											
<b>OM 443</b>	18848	● Stationary	V10	271 (369)							
<b>OM 444</b>	22618	● Stationary	V12	350 (476)							
<b>OM 441</b>	11309	● O 303, 1622, 1722, 1922, 2222 2422	V6	150-165 (204-225)	130,000	3,000 3,000 4,000		500 501 604	Cr S P IFU Cr	<b>R40 480 000</b>	STD
<b>OM 422</b> <b>OM 442</b>	15080	● O 303, 1628, 1726, 1729, 1928 1929, 2228, 2429, 3239	V8	195-218 (265-296)							
<b>OM 443</b>	18848	● Stationary	V10	271 (369)							
<b>OM 444</b>	22618	● Stationary	V12	350 (476)							
<b>OM 441</b>	11309	● O 303, 1622, 1628, 1726, 1729 1928, 2429, 3239, Stationary	6	150-165 (204-225)	130,000	3,000 3,000 4,000		505 501 604	Mo Cr IWU Cr	<b>R40 450 000</b>	STD
<b>OM 442</b>	15080	● Stationary	V8	192-218 (265-296)							
<b>OM 443</b>	18848	● Stationary	V10	271 (369)							
<b>OM 444</b>	22618	● Stationary	V12	350 (476)							
<b>OM 441</b>	11309	● O 303, 1622, 1628, 1726, 1729 1928, 2429, 3239, Stationary	6	150-165 (204-225)	130,000	3,000 3,000 4,000		505 501 604	Mo P IFU Cr	<b>R40 460 000</b>	STD
<b>OM 442</b>	15080	● Stationary	V8	192-218 (265-296)							
<b>OM 443</b>	18848	● Stationary	V10	271 (369)							
<b>OM 444</b>	22618	● Stationary	V12	350 (476)							
<b>OM 521</b> <b>OM 541</b> <b>OM 941</b> <b>OM 501 LA</b>	11946	● 1831, 1835, 1839, 1840, 1843 2040, 2531, 2535, 2539, 2540 2543, 2640, 3240, 3241, 4140 Actros	V6 6	230-355 (313-483)	130,000	3,000 3,000 4,000		505 501 604	Cr S IF Cr IWU Cr	<b>R40 560 000</b>	STD
<b>OM 522 LA</b> <b>OM 542 LA</b> <b>OM 942</b> <b>OM 502 LA</b>	15928	● 1848, 1853, 2053, 2548, 2553 2653, 3253, 3353 Actros	V8 8	330-448 (445-609)							

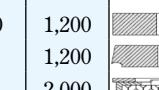
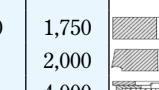
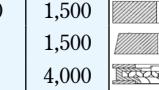
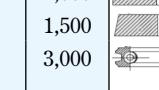
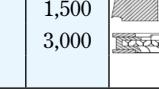
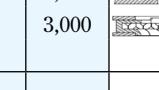
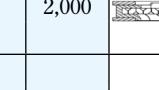
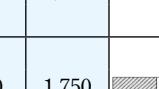
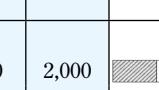
Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● MINI COOPER</b>											
<b>N14B16</b>	1598	● Mini Cooper S 1.6i 16v Turbo	4	128 (175)	77,000	1,200 1,500 2,500		500 508 700	Cr S IF P Cr P S	<b>R41 000 000</b> R41 000 050	STD 0,50
<b>W10B16A</b>	1397	● Mini One Cooper	4	70 (90)	77,000	1,200 1,200 2,500		500 508 700	Cr S IF P Cr P S	<b>R41 010 000</b> R41 010 050	STD 0,50
<b>W11B16A</b>	1598	● Mini Cooper, Clubman Cooper S, Mini Cabrio R52 Mini Cabrio R53	4	88-155 (120-211)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● MWM</b>											
	567	● Industry	1	8-9 (11-12)	85,000	3,000 3,000 5,000		504 508 604	Mo P Cr P	<b>R42 090 000</b>	STD
<b>KD 12E</b>	880			8-34 (12-46)	95,000	3,000 3,000 3,000 5,000 5,000		500 501 508 604	Cr P P P P	<b>R42 000 000</b> R42 000 050	STD 0,50
<b>KD 12Z</b>	1700										
<b>KD 12D</b>	2550										
<b>KD 12V</b>	3400										
<b>D 301</b>	745		1	10 (13)	95,000	3,000 3,000 3,000		503 501 508	Cr P P P	<b>R42 010 000</b> R42 010 050	STD 0,50
<b>KD 12E</b>	880		1	12 (16)		5,000		604	P		
<b>D 208Z, D 302</b>	1490		2	23 (31)							
<b>D 225, D 325, 925L</b>	1700		2	24 (33)							
<b>KD 12Z</b>											
<b>D 208D, D 303</b>	2235		3	34 (46)							
<b>D 308D</b>											
<b>D 225, D 325</b>	2550		3	37 (50)							
<b>D 925 L3, KD 12D</b>											
<b>D 202, D 208V</b>	3080		4	45 (62)							
<b>D 308V</b>											
<b>D 225, D 325, 925 L</b>	3400		4	50 (68)							
<b>KD 12V</b>											
<b>D 202, D 208S</b>	4470		6	68 (93)							
<b>D 308S</b>											
<b>D 225, D 325</b>	5100		6	75 (102)							
<b>925 L</b>											
<b>D 227-2</b>	1885	● Tractor	2	25-27 (34-36)	100,000	3,000 2,000 2,000		504 501 508	Cr P P IFU P	<b>R42 030 000</b> R42 030 050	STD 0,50
<b>D 327-2</b>											
<b>D 227-3</b>	2827	● Tractor	3	43-45 (58-61)		4,000		604	Cr P		
<b>D 327-3</b>											
<b>D 227-4</b>	3370	● Tractor	4	49-54 (67-74)							
<b>D 327-4</b>											

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	
<b>● MWM</b>										
<b>D 227-6</b> <b>D 327-6</b>	5655	● Tractor	6	74-82 (101-112)						
<b>D 893</b>	2940		1		102,000	3,000 2,500 4,000		504 508 604	Cr P P Cr P	<b>R42 060 000</b> R42 060 050
<b>D 229-3</b>	3920		3	24-33 (33-45)						STD 0,50
<b>D 229-4</b> <b>TD 229-4</b>	5880		4	32-44 (44-60)						
<b>D 229-6</b> <b>TD 229-6</b>			6							
<b>4.10 TCA</b>			4		103,000	3,000 2,500 4,000		504 508 604	Cr P P Cr P	<b>R42 070 000</b>
<b>6.10 TCA</b>			6							STD
<b>D 226-Z</b>	2080		2	27-30 (37-40)	105,000	3,000 2,000 2,000 4,000		504 501 508 604	Cr P P P Cr P	<b>R42 040 000</b>
<b>D 226-D</b>	3120		3	44-48 (60-65)						
<b>D 226-V</b>	4160		4	59-73 (80-100)						
<b>D 226-S</b> <b>TD 226, TD 228</b>	6240		6	74-110 (100-150)						
<b>D 226 B/2</b>	2080		2	32-36 (43-49)	105,000	3,000 2,000 4,000		504 501 604	Cr P Cr P	<b>R42 050 000</b>
<b>D 226 B/3</b> <b>TD 226 B/3</b>	3120		3	48-84 (65-114)						
<b>D 226 B/4</b> <b>TD 226 B/4</b>	4160		4	63-113 (87-154)						
<b>D 226 B/6</b> <b>TD 226 B/6</b>	6240		6	96-170 (130-231)						
<b>D 233 S</b> <b>TD 233 S, TBC 233 S</b>	9570		6		125,000	3,500 3,000 3,000 5,000		504 501 508 604	Cr P P Cr P	<b>R42 080 000</b>
<b>D 233 A</b> <b>TD 233 A, TBD 233 A</b>	12760		V8							
<b>D 233-12</b> <b>TD 233-12</b> <b>TBD 233-12</b>	19140		V12							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● MWM</b>											
TBD 234-6	10804		6	420 (521)	128,000	3,500 3,000 4,000		504 501 604	Cr P P CR P	R42 110 000	STD
TBD 234-8	14405		8	560 (762)							
TBD 234-12	21607		12	840 (1142)							
TBD 234-16	28800		16	1120 (1523)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● OPEL</b>											
Z 13 DT	1248	● Corsa, Astra, Agila, Combo	4	55-66	69,600	2,000		500	Cr P	R43 210 000	STD
Z 13 D DH		Meriva, Tigra 1.3 CDTI		(75-90)		1,500		501	P	R43 210 040	0,40
Z 13 D TJ						2,000		604	Nit S		
A 13 DTC	1248	● Corsa D 1.3 CDTI	4	55	69,600	1,500		500	Cr P	R43 520 000	STD
A 13 FD	1248	● Combo 1.3 CDTI	4	66		1,500		501	P	R43 520 040	0,40
A 13 DTE	1248	● Astra J 1.3 CDTI	4	70		2,000		604	Nit S	R43 520 060	0,60
Z 13 DTE		Corsa D 1.3 CDTI		(95)							
Z 13 DTE		Meriva B 1.3 CDTI									
12 NZ	1196	● Corsa, Combo 1.2i	4	33	72,000	1,500		500	Cr Fe S	R43 000 000	STD
C 12 NZ				(45)		1,500		508	P	R43 000 050	0,50
X 12 NZ						3,000		700	Cr P S	R43 000 100	1,00
10 N	993	● Kadett, Corsa 1.0	4	29-35	72,000	2,000		500	Cr P	R43 380 000	STD
10 S				(40-48)		2,000		501	P	R43 380 050	0,50
						5,000		700	Cr P S	R43 380 100	1,00
X 10 XE	973	● Agila, Corsa 1.0i	4	40	72,500	1,200		500	NiB S IF	R43 360 000	STD
Z 10 XE				(54)		1,500		508	P	R43 360 050	0,50
X 12 XE	1199	● Agila, Corsa, Astra 1.2 16v	4	48-55		2,000		700	Nit S		
Z 12 XE				(65-75)							
B 14 NEJ	1364	● Corsa E 1.4 Turbo			72,500	1,200		500	NiB S IF	R43 500 000	STD
A 14 NEL	1364	● Astra GTC J 1.4 / J 1.4 Turbo	4	88		1,200		508	P	R43 500 050	0,50
A 14 NET		Astra J Sports Tourer 1.4 T				2,000		700	Nit S		
B 14 NET		Cascada 1.4, Corsa D 1.4									
A 14 NET		Meriva B 1.4 / B 1.4 LPG									
B 14 NET		Zafira Tourer C 1.4									
A 14 NET	1364	● Astra GTC J 1.4 / J 1.4 LPG			103						
B 14 NET		Astra J 1.4 Turbo			(140)						
A 14 NET		Astra Sport Tourer 1.4 LPG									
B 14 NET		Cascade 1.4 Turbo									
A 14 NET		Insignia 1.4 / 1.4 LPG									
B 14 NET		Insignia Sports Tourer 1.4									
A 14 NET		Mokka 1.4 / 1.4 4x4 / 1.4 LPG									
B 14 NET		Meriva B 14, Zafira Tourer C									

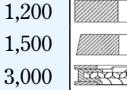
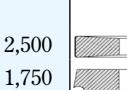
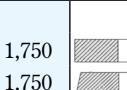
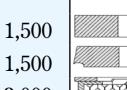
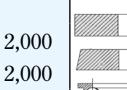
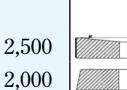
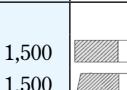
Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● OPEL</b>											
Z 12 XEP A 12 XER	1229	● Agila, Corsa, Astra 1.2	4	59-63 (80-86)	73,400	1,200 1,200 2,000		500 508 700	NitB S P Cr P S	<b>R43 390 000</b> R43 390 050	STD 0,50
Z 14 XEP A 14 XER	1364	● Astra, Meriva, Corsa, Aveo 1.4	4	66-74 (90-101)							
13 N, 13 NB 13 S, 13 SB	1297	● Kadett, Corsa, Ascona Manta	4	44-55 (60-75)	75,000	1,750 2,000 4,000		500 508 700	Cr Fe SiF P Cr P S	<b>R43 020 000</b> R43 020 050 R43 020 100	STD 0,50 1,00
1.3 S C 1.3 N	1297	● Kadett, Corsa 1.3	4	44-55 (60-75)	75,000	1,500 1,500 4,000		500 501 700	CrB Fe S P Cr P S	<b>R43 030 000</b> R43 030 050 R43 030 100	STD 0,50 1,00
4EC1 4EC1T X 15 DT	1498	● Corsa, Kadett 1.5 D Corsa, Kadett 1.5 TD	4	37 (50)	76,000	2,000 1,500 3,000		500 501 604	Cr P P Cr P	<b>R43 040 000</b> R43 040 050	STD 0,50
DG 76 NP 960	1498	● Kadett, Cielo, Lanos, Espero Nubira, Nexia, Racer 1.5i	4	51-66 (70-90)	76,500	1,500 1,500 3,000		500 501 700	G B Fe SiF P Cr P S	<b>R43 010 000</b> R43 010 050 R43 010 100	STD 0,50 1,00
1.4 NV, 1.4 NVH C 1.4 NZ, C 1.4 SE X 1.4 NZ, X 1.4 SZ	1389	● Astra, Combo, Corsa, Kadett Tigra 1.4	4	44-66 (60-90)	77,600	1,500 1,500 3,000		500 501 700	G B Fe SiF P Cr P S	<b>R43 050 000</b> R43 050 050 R43 050 100	STD 0,50 1,00
Z1 4XE, GLHB	1389	● Astra 1.4, Corsa 1.4 E16, SE16 V, CE16	4	66 (90)	77,600	1,200 1,500 2,000		500 501 700	NitB S P Cr P S	<b>R43 480 000</b> R43 480 050 R43 480 100	STD 0,50 1,00
1.2 S	1196	● Kadett 1.2	4	40 (55)	77,800	1,500 1,500 4,000		500 501 700	Cr S P Cr P S	<b>R43 060 000</b> R43 060 050 R43 060 100	STD 0,50 1,00
1.2 ST	1196	● Corsa, Kadett	4	40-44 (55-60)	77,800	1,750 2,000 4,000		500 508 700	Cr S P Cr P S	<b>R43 070 000</b> R43 070 050 R43 070 100	STD 0,50 1,00
1.2 N, 1.2 NV, 1.2 S E 1.2 GV	1196	● Corsa, Kadett, Ascona, Manta	4	38-44 (52-60)	79,000	2,000 2,000 5,000		500 501 700	Cr P P Cr P S	<b>R43 080 000</b> R43 080 050 R43 080 100	STD 0,50 1,00

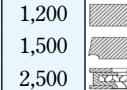
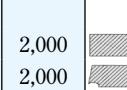
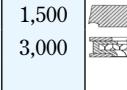
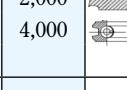
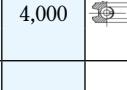
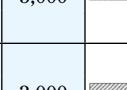
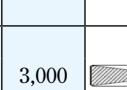
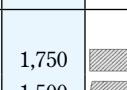
Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● OPEL</b>											
<b>1.6 LZ, -SE, -SV, -SZ</b> <b>C 1.6 NZ, E 1.6 NZ</b> <b>X 1.6 NZ, -SZ, -SZR</b>	1598	● Corsa, Kadett, Ascona, Astra Vectra 1.6	4	55-74 (75-101)	79,000	1,200 1,500 3,000		500 508 700	CrB S P Cr P S	<b>R43 090 000</b> R43 090 050 R43 090 100	STD 0,50 1,00
<b>TC4EE1</b> <b>X 1.7 DT, -DTL</b> <b>Z 1.7 DTH, -DTL</b>	1886	● Corsa, Astra, Combo, Zafira Vectra, Meriva 1.7D	4	55-74 (75-101)	79,000	2,000 1,500 3,000		500 501 604	Cr P Cr P	<b>R43 100 000</b> R43 100 050 R43 100 100	STD 0,50 1,00
<b>X 1.6 XE, -XEL</b> <b>Y 1.6 XE</b>	1598	● Corsa, Astra, Combo Tour Vectra, Meriva, Tigra, Zafira	4	52-74 (71-101)	79,000	1,200 1,500 2,000		500 508 700	NitB S P Nit S	<b>R43 220 000</b> R43 220 050 R43 220 100	STD 0,50 1,00
<b>Z 16 YNG</b>	1598	● Zafira CNG	4	71 (101)	79,000	1,500 1,500 2,500		500 508 700	Cr P S P Cr P S	<b>R43 270 000</b> R43 270 050 R43 270 100	STD 0,50 1,00
<b>X 16 XE</b> <b>X 16 XEL</b> <b>X 16 XE-4V</b>	1598	● Vectra, Astra, Tigra, Corsa	4	74-78 (101-106)	79,000	1,200 1,500 2,500		500 508 700	CrB S P Cr P S	<b>R43 320 000</b> R43 320 050 R43 320 100	STD 0,50 1,00
<b>Z1 6XEP</b>	1598	● Astra Twinport, Meriva 1.6	4	74 (101)	79,000	1,200 1,200 2,000		500 501 700	NitB S P Cr P S	<b>R43 490 000</b> R43 490 050 R43 490 100	STD 0,50 1,00
<b>A 16 FDL</b>	1598	Combo 1.6 CDTI	4	66 (90)	79,500	1,500 1,500 2,000		500 508 604	Cr P P Nit S	<b>R43 530 000</b> R43 530 040 R43 530 060	STD 0,40 0,60
<b>A 16 FDH</b>	1598	Combo 1.6 CDTI	4	74 (101)							
<b>1.6 D</b> <b>1.6 DA</b>	1598	● Ascona, Kadett 1.6D	4	40-41 (54-55)	80,000	2,000 2,000 3,000		500 501 604	CrB S P Cr P	<b>R43 110 000</b> R43 110 050 R43 110 100	STD 0,50 1,00
<b>1.6 S</b> <b>1.6 N</b>	1598	● Ascona, Kadett 1.6	4	55-66 (75-90)	80,000	1,500 1,750 4,000		500 508 700	CrB S IF P Cr PS	<b>R43 120 000</b> R43 120 050 R43 120 100	STD 0,50 1,00
<b>X 25 TD</b>	1796	● Omega TD	6	96 (130)	80,000	3,000 1,750 3,000		504 501 604	Cr P IFU Cr	<b>R43 130 000</b> R43 130 050 R43 130 100	STD 0,50 1,00

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● OPEL</b>											
F9Q	1870	● Vivaro, Movano 1.9DTI	4	58-74 (79-101)	80,000	2,500 2,000 3,000		500 501 604	Cr P IF P IFU Cr P	<b>R43 470 000</b> R43 470 050	STD 0,50
X 1.8 XE1 Z 1.8 XE, -XEL	1796	● Astra, Vectra, Corsa, Zafira Meriva, Tigra 1.8	4	85-92 (115-125)	80,500	1,200 1,200 2,000		500 508 700	NitB S IF P Nit S	<b>R43 370 000</b> R43 370 050	STD 0,50
C 18 XE, -XEL X 18 XE	1796	● Astra, Vectra, Calibra, 1.8	4	85-92 (115-125)	81,600	1,500 1,500 3,000		500 508 700	CrB S IF P Cr P S	<b>R43 140 000</b> R43 140 050 R43 140 100	STD 0,50 1,00
C 25 XE X 25 XE	2498	● Vectra, Calibra, Omega 2.5i	6	125 (170)							
Z 19 DT, -DTH Z 19 DTJ, -DTL	1910	● Astra, Vectra, Zafira 1.9 CDTI	4	88-110 (120-150)	82,000	2,000 2,000 2,000		500 508 604	Cr P P Cr P	<b>R43 410 000</b> R43 410 050	STD 0,50
1.7 DR 1.7 YD X 1.7 DTL	1699	● Astra, Combo, Kadett Vectra 1.7D	4	42-50 (57-68)	82,500	2,000 2,000 3,000		500 501 604	Cr P Cr	<b>R43 150 000</b> R43 150 050 R43 150 100	STD 0,50 1,00
Z 20 DMH	1956	● Astra, Insignia, Zafira 2.0 CDTI	4	81-121 (110-165)	83,000	2,000 2,000 3,000		505 501 604	Nit S P Nit S	<b>R43 460 000</b> R43 460 050	STD 0,50
A 20 DTL, A 20 DTC	1956	● Insignia 2.0 CDTI Zafira 2.0 CDTI	4	81 (110)	83,000	1,500 1,500 2,000		500 508 604	Cr P P Nit S	<b>R43 510 000</b> <b>R43 510 050</b>	STD 0,50
A 20 DTE	1956	● Insignia 2.0 CDTI	4	88-130 (120-140)							
A 20 DT, A 20 DTJ Z 20 DTJ, Y 20 DTJ	1956	● Insignia 2.0 CDTI Zafira 2.0 CDTI	4	96 (130)							
A 20 DTH	1956	● Insignia 2.0 CDTI 4x4 Zafira 2.0 CDTI Astra GTC J 2.0 CDTI Astra J 2.0 CDTI Astra Sports Tourer 2.0 CDTI Cascada 2.0 CDTI	4	118-120 (160-163)							
A 20 DTR	1956	● Insignia 2.0 Biturbo CDTI 4x4 Zafira 2.0 Biturbo CDTI Astra GTC J 2.0 Biturbo CDTI Astra J 2.0 Biturbo CDTI Astra Sports T. 2.0 Bitur. CDTI Cascada 2.0 Biturbo CDTI	4	140-143 (190-195)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	

## ● OPEL

<b>Y 26 SE</b>	2597	● Omega	6	132 (180)	83,200	1,200 1,500 3,000		500 501 700	Nit S IF P Cr P S	<b>R43 420 000</b> R43 420 050	STD 0,50
<b>X 20 DTL</b>	1998	● Astra, Vectra, Zafira 2.0 16v	4	60 (82)	84,000	2,000 1,750 3,000		500 508 604	CrB S P Nit S	<b>R43 330 000</b> R43 330 050 R43 330 100	STD 0,50 1,00
<b>X 20 DTH</b>	1998	● Astra, Vectra, Omega 2.0 DTI	4	74 (100)	84,000	2,500 1,750 3,000		505 508 604	Cr P P Nit S	<b>R43 340 000</b> R43 340 050 R43 340 100	STD 0,50 1,00
<b>Y 2.0 DTH</b>	1998	● Astra, Vectra, Omega Zafira 2.0 DTI	4	74-80 (100-109)	84,000	1,750 1,750 3,000		500 501 604	Cr P P Cr P	<b>R43 350 000</b> R43 350 050 R43 350 100	STD 0,50 1,00
<b>X 2.2 DTR</b> <b>Y 2.2 DTH</b>	2171	● Astra, Omega, Zafira Frontera 2.2 DTI 16v	4	85-92 (115-125)							
<b>1.8 S, -NZ, -NV</b> <b>EC 1.8 NV</b> <b>S 1.8 NV</b>	1796	● Astra, Vectra, Omega, Ascona Kadett, Manta 1.8	4	60-84 (82-115)	84,800	1,500 1,500 3,000		500 508 700	CrB S IF P Cr P S	<b>R43 160 000</b> R43 160 050 R43 160 100	STD 0,50 1,00
<b>1.8 S, -N, -NH</b> <b>C 1.8 NV</b>	1796	● Astra, Vectra, Rekord Kadett, Manta	4	44-70 (60-95)	84,800	1,500 1,750 4,000		500 508 700	Cr S IF P Cr P S	<b>R43 170 000</b> R43 170 050 R43 170 100	STD 0,50 1,00
<b>16 N</b> <b>16 S</b>	1584	● Ascona, Kadett, Manta 1.6 S	4	50-55 (68-75)	85,000	2,000 2,000 5,000		500 501 603	Cr P P	<b>R43 180 000</b> R43 180 050 R43 180 100	STD 0,50 1,00
<b>M9T</b>	2298	Movano	4	74-107 (101-146)	85,000	2,500 2,000 2,000		503 501 604	Cr P Cr P IFU Nit S	<b>R43 540 000</b> R43 540 050	STD 0,50
<b>20 E, -SE, -SEH</b> <b>20 SER, -XE</b> <b>C 20 NE, -LET, -XE</b>	1998	● Astra, Vectra, Omega Calibra, Kadett, Ascona	4	85-110 (115-150)	86,000	1,500 1,500 3,000		500 501 700	CrB S P Cr P S	<b>R43 190 000</b> R43 190 050 R43 190 100	STD 0,50 1,00
<b>X 30 XE</b>	2962	● Omega, Sintra 3.0i 24v	V6	155 (210)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● OPEL</b>											
Z 2.0 SE, -LET Y 2.0 LET	1998	● Astra, Zafira, Speedster	4	100-108 (136-147)	86,000	1,200 1,500 2,500		500 508 700	NitB S P Cr P S	<b>R43 430 000</b> R43 430 050	STD 0,50
Z 2.2 SE, -XE Y 2.2 SE, -XE	2198	● Frontera, Astra, Omega SpeedSter, Vectra, Zafira	4	140-147 (190-200)							
25 H, 25 S 25 CIH	2490	● Commodore, Senator 2.5 S	6	85-96 (115-131)	87,000	2,000 2,000 5,000		500 501 604	Cr S P IF P	<b>R43 200 000</b> R43 200 050	STD 0,50
2.1 LD	2068	● Rekord D, Blitz D	4	44 (60)	88,000	2,000 2,000 4,000		500 508 604	Cr S P Cr P	<b>R43 230 000</b> R43 230 050 R43 230 100	STD 0,50 1,00
C 26 NE	2594	● Omega A 2.6i, Senator B 2.6i	6	110 (150)	88,800	1,500 1,500 3,000		500 508 700	Cr S IF P Cr P S	<b>R43 240 000</b> R43 240 050	STD 0,50
2.3 D 2.3 TD	2260	● Rekord 2.2D	4	46-63 (63-86)	92,000	2,000 2,000 4,000		500 508 604	Cr S IF P Cr P	<b>R43 250 000</b> R43 250 050 R43 250 100	STD 0,50 1,00
2.3 DTR 2.3 TD 2.3 YTD	2260	● Frontera, Omega, Rekord Senator 2.3 TD	4	63-74 (86-100)	92,000	2,500 2,000 4,000		505 508 604	Cr P Cr P	<b>R43 260 000</b> R43 260 050 R43 260 100	STD 0,50 1,00
19 H 19 S 19 SH	1897	● Ascona, Kadett, Manta Rekord 1.9	4	65-78 (86-106)	93,000	2,000 2,000 5,000		500 506 700	Cr P IF P Cr P S	<b>R43 280 000</b> R43 280 050 R43 280 100	STD 0,50 1,00
S8U 758	2499	● Arena 2.5 D	4	55 (70)	93,000	3,000 2,000 3,000		500 508 604	Cr P P Cr P	<b>R43 440 000</b> R43 440 050	STD 0,50
S9W 702 8140.23	2799	● Movano 2.8 DTI	4	84 (114)	94,400	3,000 2,000 3,000		504 501 604	Cr P P IWU Cr P	<b>R43 450 000</b> R43 450 040 R43 450 060	STD 0,40 0,60
2.2 E	2197	● Monza, Senator, Rekord	4	85 (115)	95,000	1,750 1,500 3,500		500 508 700	Cr S IF P Cr P S	<b>R43 290 000</b> R43 290 050 R43 290 100	STD 0,50 1,00

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● OPEL</b>											
<b>C 2.4 NE</b>	2410	● Omega, Frontera	4	92 (125)	95,000	1,500 1,500 3,000		500 501 700	Cr S P Cr P S	<b>R43 300 000</b> R43 300 050	STD 0,50
<b>C 3.0 SE</b>	2969	● Omega, Senator	6	150 (204)							
<b>2.0 N, -E, -S</b>	1979	● Ascona, Manta, Rekord Kadett, Monza, Senator	4	66-84 (90-115)	95,000	2,000 2,000 4,000		500 508 604	CrB S P P	<b>R43 310 000</b> R43 310 050 R43 310 100	STD 0,50 1,00
<b>3.0 E, -NE C 3.0 NE, -LE</b>	2969	● Monza, Senator, Omega	6	110-132 (150-180)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	

**● PEGASO**

<b>9105 /.11 /.15 /.17</b>	10518	● 1061, 1063, 1065, 1066, 1080 1083, 1086, 1088, 2022, 2080 2180, 3060, 3088, 3180, 3188 5031, 5071, 6031, 6035, 6046	6	147-191 (200-260)	120,000	3,000 3,000 3,000 6,000 6,000	    	503 501 508 604 602	Cr P P IF P Cr P P	<b>R44 020 000</b>	STD
<b>9105, 9107</b>	10518	● 1061, 1062, 1063, 1064, 1070 1074, 2011, 2080	6	147 (200)	120,000	3,000 3,000 3,000 6,000	   	503 501 508 604	Cr P P IF P Cr P	<b>R44 030 000</b>	STD
<b>9152, 9154</b>	11946	● 1084, 5076, 6050, 6055	6	154-169 (210-230)	130,000	3,000 3,000 3,000 6,000	   	503 501 501 604	Cr P Cr P P IF Cr P	<b>R44 000 000</b>	STD
<b>9156, 9157</b>	11946	● 1087, 1187, 2081, 2082, 2089 2181, 2189, 3089, 3188, Tecno	6	221-257 (300-350)							
<b>96 R 11 EX</b>	11946	● 1236 R, 1236 T, Troner	6	265 (360)	130,000	3,500 3,000 4,000	  	504 501 604	MoB IF Cr P IF Cr P	<b>R44 010 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● PERKINS</b>											
<b>3.152, P3.152</b> <b>D3.152</b>	2500		3	31-35 (42-47)	91,480	2,385 2,385 3,160		501	P	<b>R45 010 000</b>	STD
<b>4.203, P4.203</b> <b>D4.203</b>	3300		4	41-44 (55-60)		6,335 6,335		601	P		
<b>6.305, P6.305</b>	5000		5	66 (90)				600	P		
<b>3.152, P3.152</b> <b>D3.152</b>	2500		3	31-35 (42-47)	91,480	2,385 2,385 3,160		500	Cr P	<b>R45 140 000</b>	STD
<b>4.203, P4.203</b> <b>D4.203</b>	3300		4	41-44 (55-60)		6,335 6,335		604	Cr P		
<b>6.305, P6.305</b>	5000		5	66 (90)				600	P		
<b>4212</b>	3475		4	44-47 (60-64)	98,480	2,385 2,385 2,385		500	Cr P	<b>R45 030 000</b>	STD
<b>AD 4.236, D 39 C</b>	3864		4	48-60 (65-80)		6,335		604	Cr P		
<b>AD 4.236, D 39 C</b>	3864		4	57-59 (78-80)	98,480	2,385 2,385 2,385		500	Cr P	<b>R45 070 000</b>	STD
<b>6.354 V</b>	5800		6	71-87 (97-118)		6,335 6,335		604	Cr P		
<b>6,335</b>								600	P		
<b>4.40</b>	3990	● Phaser	4		100,000	2,500 2,500		500	CrB P IF	<b>R45 110 000</b>	STD
<b>6.60</b>	5985	● 1004-4	6			4,000		604	Cr P		
<b>1004-4</b>	3990	● Phaser 90	4		100,000	2,500 2,500		500	MoN IF	<b>R45 410 000</b>	STD
<b>1006-6</b>	5985	● Phaser 125	6			4,000		604	Cr P		
<b>T4.40</b>	3990		4		100,000	3,500 2,500		505	Cr P	<b>R45 120 000</b>	STD
<b>T6.60</b>	5985		6			4,000		604	Cr P		
<b>1004-4T, 1004-4TW</b>	3990	● Phaser 110T, 120Ti, 160Ti 180Ti	4		100,000	3,000 2,500		505	Cr P	<b>R45 130 000</b>	STD
<b>1006-6T, 1006-6TW</b>	5985		6			4,000		604	Cr P		

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● PERKINS</b>											
<b>4.248, A4.248</b>	4065		4	53-61 (72-83)	101,054	2,385 2,385 2,385 6,335		500 500 500 604	Cr P Cr P IF Cr P IF Cr P	<b>R45 420 000</b>	STD
<b>6.372</b>	6372		6								
			4		103,000	2,500 2,500 3,500		500 508 604	Cr P P Cr P	<b>R45 340 000</b>	STD
			6		130,170	3,160 3,160 4,740		504 500 604	Mo Cr P Cr P	<b>R45 360 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring				
			No	(HP)	Diam	Height	Type	Set No.	Size

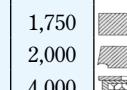
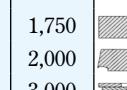
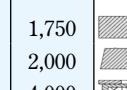
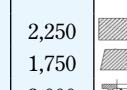
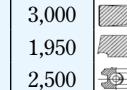
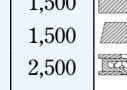
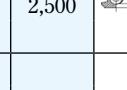
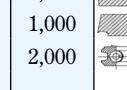
● PETTER

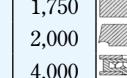
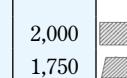
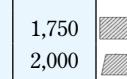
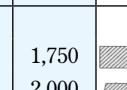
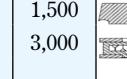
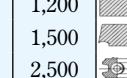
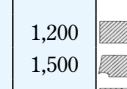
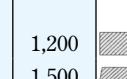
PH 1, PH 2	659		1	6 (8)	87,312	2,385 2,385 3,160 4,747	   	500 501 506 601	Cr P IW P P P	<b>R46 010 000</b> R46 010 050 R46 010 100	STD 0,50 1,00
PJ 1W, PJ 2W	1318		3	12 (16)							
PJ			1 2 3		96,825	2,385 2,385 2,385 4,747	   	500 501 501 604	Cr P IWU P IWU Cr	<b>R46 020 000</b> R46 020 025 R46 020 050 R46 020 075 R46 020 100	STD 0,25 0,50 0,75 1,00

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● PEUGEOT</b>											
XV 3	954	● 104, 204, 205	4	32-35 (44-48)	70,000	2,000 2,000 4,000	  	500 501 605	Cr IF P P	<b>R47 320 000</b>	STD
TU 9	954	● 106, 205	4	32 (44)	70,000	1,500 1,500 3,000	  	500 501 700	CrB S IF P Cr P S	<b>R47 360 000</b>	STD
TU 1 K	1124	● 106, 205, 306, 309, Partner	4	40-44 (54-60)	72,000	1,500 2,000 3,000	  	500 508 700	CrB S P Cr P S	<b>R47 250 000</b>	STD
DV4 TD 8V	1398	● 206 HDI, 206 SW HDI Citroen	4	50 (68)	73,700	3,000 1,950 2,500	  	505 508 604	Cr P P IFU Cr P	<b>R47 020 000</b>	STD
DV4 TD, DV4 TED	1398	● 206 1.4TD, 307 1.4TD C2 1.4HDI, C3 1.4HDI Xsara 1.4HDI	4	52-66 (71-89)	73,700	2,500 1,950 2,500	  	505 501 604	CrB P P IFU Cr P	<b>R47 470 000</b>	STD
8HR	1399	● C3 II 1.4 Hdi 70 DS3 1.4 Hdi 70	4	50 (68)	73,700	2,500 1,950 2,000	  	514 501 604	Cr P P IFU Nit S	<b>R47 630 000</b> R47 630 050	STD 0,50
XV 3	954	● 104, 204, 205	4	32-35 (44-48)	70,000	2,000 2,000 4,000	  	500 501 605	Cr IF P P	<b>R47 320 000</b>	STD
TU 9	954	● 106, 205	4	32 (44)	70,000	1,500 1,500 3,000	  	500 501 700	CrB S IF P Cr P S	<b>R47 360 000</b>	STD
TU 1 K	1124	● 106, 205, 306, 309, Partner	4	40-44 (54-60)	72,000	1,500 2,000 3,000	  	500 508 700	CrB S P Cr P S	<b>R47 250 000</b>	STD
DV4 TD 8V	1398	● 206 HDI, 206 SW HDI Citroen	4	50 (68)	73,700	3,000 1,950 2,500	  	505 508 604	Cr P P IFU Cr P	<b>R47 020 000</b>	STD
DV4 TD, DV4 TED	1398	● 206 1.4TD, 307 1.4TD C2 1.4HDI, C3 1.4HDI Xsara 1.4HDI	4	52-66 (71-89)	73,700	2,500 1,950 2,500	  	505 501 604	CrB P P IFU Cr P	<b>R47 470 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	

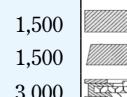
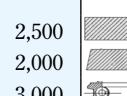
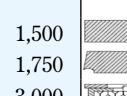
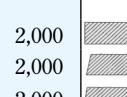
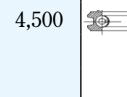
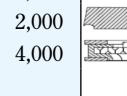
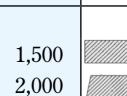
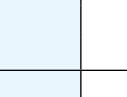
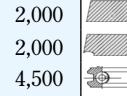
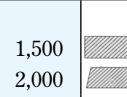
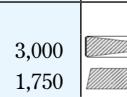
## ● PEUGEOT

E1 F1	1118	● 309	4	40-46 (54-62)	74,000	1,750 2,000 4,000		500 508 700	Cr S P Cr P S	R47 370 000	STD
XZ5	1219	● 104 1.2	4	42 (57)							
TU2.4	1294	● 205 Rally	4	70 (95)	75,000	1,750 2,000 3,000		500 508 700	Cr B S IF P Cr P S	R47 000 000	STD
TU3, TU3 A, TU3 CP TU3 M, TU3 S	1360	● 106, 205, 309, 405 Partner 1.4	4	44-62 (60-84)							
XZ 5	1218	● 104	4	42 (57)	75,000	1,750 2,000 4,000		500 501 700	Cr B S IF P Cr P S	R47 010 000	STD
XY 6 B XY 7, XY 8	1360	● 104	4	44-59 (60-80)							
TUD 3	1360	● 106, 205, 306, 309, 405 1.4D	4	37-39 (50-53)	75,000	2,250 1,750 3,000		500 501 603	Cr P P	R47 260 000	STD
DV6 TED4 9HY DV6 TED4 9HZ DV6 ATED4 9HX	1560	● 206, 207, 308, 407, 1007 Partner, Expert HDI 206, 207, 308, 407 SW	4	55-80 (75-110)	75,000	3,000 1,950 2,500		505 508 604	Cr P P Cr P	R47 460 000 R47 460 060	STD 0,60
TU3 JP	1360	● 106, 206, 306, 307 Partner 1.4i	4	55 (75)	75,000	1,500 1,500 2,500		500 508 603	Cr P P P	R47 480 000	STD
TU3 JP	1360	● 106, 206, 306, 307 Partner 1.4i	4	55 (75)	75,000	1,500 1,500 2,500		500 508 700	Cr B Fe S IF P Cr P S	R47 580 000	STD
KFU ET3 J 4	1360	● 1007, 206, 207, 307 1.4 i	4	65 (88)	75,000	1,200 1,500 2,500		500 508 604	Cr P P P	R47 590 000	STD
EB2M	1199	● 301 1.2 VTi 72	3	53 (72)	75,000	1,000 1,000 2,000		500 508 604	Nit S P Nit S	R47 640 000	STD
EB2	1199	● 108 1.2, 208 1.2 2008 1.2 VTi 308 II 1.2 VTi	3	60 (82)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● PEUGEOT</b>											
XL 3 XL 3 S	1288	● 304	4	48-55 (65-75)	76,000	1,750 2,000 4,000		500 508 700	Cr S IF P Cr P S	<b>R47 390 000</b>	STD
TUD 5 TUD 5 B	1527	● 106 1.5D	4	40-42 (54-57)	77,000	2,000 1,750 3,000		500 501 604	Cr P P Cr P	<b>R47 270 000</b> R47 270 040	STD 0,40
XL 4 D	1360	● 204 D, 304 D	4	33 (45)	78,000	1,750 2,000 3,000		500 501 604	Cr S IF P Cr P	<b>R47 030 000</b>	STD
XK5	1130	● 204, 304 1.1	4	43 (58)	78,000	1,750 2,000 4,000		500 501 604	CrB S IF P	<b>R47 400 000</b>	STD
XL 5 S	1290	● 304 1.3	4	55 (75)							
XR 5 A XR 5 S	1472	● 305 1.5	4	50-65 (68-88)							
TU5 J2 TU5 JP	1587	● 106, 306, 406	4	65-74 (88-101)	78,500	1,500 1,500 3,000		500 508 700	Cr P S IF P Cr P S	<b>R47 280 000</b>	STD
TU5 JP4 NFU, NFX	1587	● 106, 206, 307, Partner, Saxo Xsara, Berlingo, C3	4	80 (109)	78,500	1,200 1,500 2,500		500 508 604	MoB NS P P	<b>R47 380 000</b> R47 380 050	STD 0,50
TU5 JP4 NFU, NFX	1587	● 106, 206, 307, Partner, Saxo Xsara, Berlingo, C3	4	80 (109)	78,500	1,200 1,500 2,500		500 508 700	CrB Fe S P Cr P S	<b>R47 600 000</b> R47 600 050	STD 0,50
NFP EC5	1587	● 301 1.6 VTi 115	4	85 (115)	78,500	1,000 1,200 2,000		500 508 604	Nit S IF P Nit S	<b>R47 650 000</b> R47 650 050	STD 0,50
EF7		● Ikco Dena, Samand, Soren	4	84 (114)	78,600	1,200 1,500 2,500		500 508 700	CrB Fe S P Cr P S	<b>R47 620 000</b> R47 620 050	STD 0,50
			4	150 (204)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● PEUGEOT</b>											
XID 80 NFU, NFX	1548	● 304 GLD, 305 GRD	4	36 (49)	80,000	1,750 2,000 3,000	  	500 501 604	Cr S IF P Cr P	<b>R47 040 000</b> R47 040 050 R47 040 080	STD 0,50 0,80
XUD 7 TE A 8 B	1769	● 205, 309, 405	4	57-66 (78-90)	80,000	3,000 2,000 3,000	  	504 501 604	Cr P Cr P	<b>R47 050 000</b> R47 050 050 R47 050 080	STD 0,50 0,80
XUD 7 161 A	1769	● 205, 305, 309, 405	4	44 (60)	80,000	2,000 2,000 3,000	  	500 501 604	Cr B S P Cr P	<b>R47 060 000</b> R47 060 050 R47 060 080	STD 0,50 0,80
TUD 3	1360	● 106 XTD	4	37 (50)	80,000	2,250 1,750 3,000	  	500 501 604	Cr P Cr P	<b>R47 330 000</b> R47 330 050	STD 0,50
2.7 LION TVM	2720	● 607 HDI	4	150 (204)	81,000	2,000 2,000 2,000	  	500 501 604	Cr P IF P IFU Nit S	<b>R47 570 000</b>	STD
XUD 9 AY DW 8 DW 8 B	1868	● 206, 306, Partner, Xsara Jumpy, Berlingo, Dispatch	4	51 (68)	82,200	2,000 2,000 3,000	  	500 508 604	Cr B S P Cr	<b>R47 430 000</b> R47 430 060	STD 0,60
XUD 9 XUD 9 A	1905	● 206, 305, 306, 309, 405 Boxer, Partner	4	48-52 (65-71)	83,000	2,000 2,000 3,000	  	500 501 604	Cr B S P Cr P	<b>R47 070 000</b> R47 070 050 R47 070 080	STD 0,50 0,80
XU 51 C - CP - K XU 52 C	1580	● 205, 305, 309, 405	4	59-66 (80-90)	83,000	1,750 1,750 4,000	  	500 508 700	Cr B S IF P Cr P S	<b>R47 080 000</b> R47 080 050 R47 080 080	STD 0,50 0,80
XU 92 C	1905	● 205, 305, 309, 405	4	90 (122)							
XU 5 J XU 5 JA	1580	● 205, 309 1.6 GTI	4	65-76 (88-103)	83,000	1,500 1,500 4,000	  	500 501 700	Cr B S IF P Cr P S	<b>R47 090 000</b> R47 090 050 R47 090 080	STD 0,50 0,80
XU 9 XU 9 JA	1905	● 205, 309, 405 1.9 GTI	4	70-90 (95-122)							
XU 5 JP	1580	● 405, 406	4	65 (88)	83,000	1,500 1,500 3,000	  	500 508 700	Cr B Fe S IF P Cr P S	<b>R47 100 000</b> R47 100 050 R47 100 080	STD 0,50 0,80
XU 7 JP	1761	● 305, 405, 406, 806, Partner	4	73-74 (99-100)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● PEUGEOT</b>											
XU 9 J4	1905	● 309, 405 1.9 GTI 16v	4	116 (158)							
XUD 9 TE XUD 9 TF	1905	● 306 1.9 D	4	68 (92)	83,000	3,500 2,000 3,000	  	504 501 604	Cr P Cr P	<b>R47 230 000</b> R47 230 050 R47 230 080	STD 0,50 0,80
XUD 9 TE XUD 9 TF	1905	● 306, 309, 405, 406, 806 Expert, Boxer	4	68 (92)	83,000	3,000 2,000 3,000	  	504 501 604	Cr P P Cr P	<b>R47 290 000</b> R47 290 050 R47 290 080	STD 0,50 0,80
XC 5 A XC 5 P XC 7	1618	● 404, 504 J7, J9	4	42-53 (58-73)	84,000	2,000 2,000 4,500	  	500 508 700	Cr S IF P Cr P S	<b>R47 110 000</b>	STD
XM 6 XM 7 XM 7 P	1796	● 504, 505	4	48-66 (65-90)	84,000	1,500 2,000 4,000	  	500 508 700	Cr S IF P Cr P S	<b>R47 120 000</b>	STD
XUD 11 ATE XUD 11 BTE	2088	● 406, 605, 806	4	80 (110)	85,000	3,000 2,000 3,000	  	504 501 604	Cr P P Cr P	<b>R47 240 000</b>	STD
EW 10 J4 EW 10 L3 EW 10 L4	1988	● 206, 307, 406, 407, 607, 806 807, Expert	4	97-101 (132-137)	85,000	1,200 1,500 2,500	  	500 508 700	Nit S IF P Nit S	<b>R47 410 000</b>	STD
DW 10 ATED DW 10 BTED DW 10 CTED	1997	● 206, 306, 307, 406, 607, 806 807, Expert, Partner 2.0 HDI	4	63-81 (86-110)	85,000	3,500 2,000 3,000	  	505 501 604	Cr P P IFU Cr P	<b>R47 440 000</b> R47 440 060	STD 0,60
DW 12 TED4	2179	● 406, 607, 807 2.2 HDI	4	100 (136)							
DW10 B TED 4 / RHR DW10 C TED 4 / RHH DW12 M TED 4 / 4HK	1997	● RCZ 2.0HDi, 308 2.0HDi 5008 2.0HDi, 3008 2.0HDi 807 2.0HDi, Expert 2.0HDi	4	100-120 (136-163)	85,000	2,500 2,000 2,000	  	505 501 604	Cr P P IFU Nit S	<b>R47 610 000</b> R47 610 050	STD 0,50
DW12 C	2197	● 4007 2.2HDi, 407 2.2HDi	4	150 (204)							
XU 10 C2 XU 10 J2	1998	● 406, 605, 806	4	84-108 (114-147)	86,000	1,500 1,750 3,000	  	500 508 700	CrB S P Cr P S	<b>R47 130 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● PEUGEOT</b>											
XU 10 J4 RS	1998	● 306, 806 2.0 16v	4	120 (163)	86,000	1,500 1,500 3,000		500 501 700	CrB S P Cr P S	R47 300 000	STD
XUD 11 A	2138	● 605 D	4	61 (83)	86,000	2,500 2,000 3,000		500 501 604	Cr P Cr	R47 340 000	STD
159 A3.000	1581	● Expert	4	58 (79)	86,400	1,500 1,750 3,000		500 508 700	CrB Fe S P Cr P S	R47 450 000 R47 450 040 R47 450 060	STD 0,40 0,60
XD, XDP TMD 4.88	1948	● 404 D, 504 D U 6 D, U 8 D, U 10 D, J 7 D	4	36-46 (49-63)	88,000	2,000 2,000 2,000		500 501 508	Cr P P P	R47 140 000	STD
XDP 6.88	2919		4	61 (83)		4,500		500 508 604			
ZEJ	1995	● 505	4	77-81 (105-110)	88,000	1,750 2,000 4,000		500 508 700	CrS IF P IF Cr P S	R47 150 000	STD
ZDK, ZDJL	2165	● 505 TI, GTI	4	86-95 (117-130)							
XN	1971	● 504, 505 J5, J9	4	57 (77)	88,000	1,500 2,000 4,000		500 501 700	Cr P Cr P S	R47 160 000	STD
ZNJK	2849	● 604	6	114-125 (155-170)							
XDP 4.90	2112	● 504 J7, J9	4	43-55 (59-75)	90,000	2,000 2,000 2,000		500 501 508	Cr P P P	R47 170 000	STD
XDP 6.90	3168	● 504 D J7 D	6	78 (106)		4,500		500 508 604			
ZNJK	2849	● 505, 604	6 V6	114-125 (155-170)	91,000	1,500 2,000 4,000		500 501 604	CrS IF P Cr P	R47 350 000	STD
DK5 ATE DJ 5 T THY	2446	● Boxer, 806, 605	4	76-96 (103-130)	92,000	3,000 1,750 3,500		504 501 604	MoBN IF Cr IF Cr P	R47 310 000	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● PEUGEOT</b>											
<b>DJ5</b>	2446	● Boxer 2.5D	4	63 (86)	92,000	2,250 2,000 3,000		500 508 604	Cr P P Cr P	<b>R47 500 000</b>	STD
<b>DJ5 T</b> <b>DJ5 TED</b>	2446	● Boxer 2.5TD	4	95 (129)	92,000	3,500 2,000 3,000		505 508 604	Cr P Cr	<b>R47 510 000</b>	STD
<b>DJ5 TED</b> <b>THX</b>	2446	● Boxer 2.5TD	4	79 (107)	92,000	3,500 2,000 3,500		505 508 604	MoB N P Cr P	<b>R47 520 000</b>	STD
<b>U25</b>	2499	● J5, J9	4	54-55 (73-75)	93,000	2,500 2,000 4,000		500 501 604	Cr4 Cr P Cr2 P	<b>R47 180 000</b> R47 180 050	STD 0,50
<b>U25 673</b>	2499	● J5 TD	4	70 (95)	93,000	3,000 2,000 4,000		504 508 604	Cr P IWU Cr	<b>R47 190 000</b> R47 190 050	STD 0,50
<b>ZPJ</b> <b>ZPJ4</b>	2963	● 605	6	123-147 (167-200)	93,000	1,500 1,750 3,500		500 508 604	Cr S P Cr PS	<b>R47 200 000</b> R47 200 050	STD 0,50
<b>U 25 651</b>	2499	● J5 D	4	55 (75)	93,000	2,000 2,000 4,000		500 508 604	Cr P P Cr P	<b>R47 420 000</b> R47 420 050	STD 0,50
<b>XD 2</b> <b>XD 94</b>	2304	● 504, 505 J9	4	46-53 (63-72)	94,000	2,000 2,000 4,000		500 508 604	Cr P P Cr P	<b>R47 210 000</b> R47 210 040 R47 210 060 R47 210 100	STD 0,40 0,60 1,00
<b>XD 3 P</b>	2499	● 505 J9	4	51-56 (70-76)							
<b>XD 2 S</b>	2304	● 505, 604	4	54-59 (73-80)	94,000	3,000 2,000 4,000		504 501 604	Cr P Cr P	<b>R47 220 000</b> R47 220 040 R47 220 060 R47 220 100	STD 0,40 0,60 1,00
<b>XD 3 T</b> <b>XD 3 TE</b>	2499	● 505, 604	4	66-81 (90-110)							
<b>8140.23.3700 /-3900</b> <b>8140.43.3700 /-3728</b>	2798	● Ducato, Daily	4	77-85 (105-115)	94,400	3,000 2,000 3,000		504 501 604	Cr P P IWU Cr P	<b>R47 530 000</b> R47 530 040 R47 530 060	STD 0,40 0,60

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● PEUGEOT</b>											
<b>8140.23.3700 /-3900</b>	2798	● Ducato, Daily	4	77-92 (105-125)	94,400	2,500 2,000 2,500		504 501 604	Cr P P Cr P	<b>R47 540 000</b> R47 540 040 R47 540 060	STD 0,40 0,60
<b>8140.63.2200</b>	2798	● Ducato, New Daily, Maxi 2.8D	4	63-90 (85-122)	94,400	3,000 2,000 2,500		504 501 604	Cr P P IWU Cr P	<b>R47 550 000</b> R47 550 040 R47 550 060	STD 0,40 0,60

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● RENAULT</b>											
800.01	845	● R4, R5, R6, Safari, Export	4	25-27 (34-37)	58,000	1,750 2,000 3,500		500 508 604	Cr P P P	<b>R49 000 000</b>	STD
C1C 689.01 689.10	956	● R5 L	4	27-33 (37-44)	65,000	1,750 2,000 3,500		500 508 604	Cr P IF P P	<b>R49 020 000</b> R49 020 050	STD 0,50
D7F F4P	1149	● Clio, Kangoo, Twingo Modus 1.2	4	44 (60)	69,000	1,500 1,500 2,500		500 501 604	Cr P IF P IFU Cr P	<b>R49 330 000</b> R49 330 050	STD 0,50
D7F F4P	1149	● Clio, Kangoo, Twingo Modus 1.2	4	43-74 (60-100)	69,000	1,200 1,500 2,000		500 508 700	CrB S IF P Cr P S	<b>R49 520 000</b> R49 520 050	STD 0,50
800.01	845	● R4, R5, R6, Safari, Export	4	25-27 (34-37)	58,000	1,750 2,000 3,500		500 508 604	Cr P P P	<b>R49 000 000</b>	STD
C1C 689.01 689.10	956	● R5 L	4	27-33 (37-44)	65,000	1,750 2,000 3,500		500 508 604	Cr P IF P P	<b>R49 020 000</b> R49 020 050	STD 0,50
D7F F4P	1149	● Clio, Kangoo, Twingo Modus 1.2	4	44 (60)	69,000	1,500 1,500 2,500		500 501 604	Cr P IF P IFU Cr P	<b>R49 330 000</b> R49 330 050	STD 0,50
C1C 688	1108	● R4, R5, R6, R8, R9, R10, R11 R1132, R1136, R2132, R2134 R2420, R2430	4	25-39 (34-53)	70,000	1,750 2,000 3,500		500 501 700	Cr S IF P Cr P S	<b>R49 030 000</b>	STD
688	1108	● R6, R8, R9, R10	4	33 (45)	70,000	2,000 2,000 3,500		500 501 700	Cr S IF P Cr P S	<b>R49 340 000</b>	STD
C1G	1237	● R5, R9, R11	4	40 (54)	71,500	1,750 2,000 4,000		500 508 700	Cr S P Cr P S	<b>R49 040 000</b>	STD
B7 C7 810	1289	● R5, R6, R10, R12 R1170, R1171 R2126, R2136, R2137	4	27-44 (37-60)	73,000	1,750 2,000 4,000		500 508 700	Cr S P Cr P S	<b>R49 050 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	

## ● RENAULT

<b>C3G</b>	1237	● Clio, Twingo, Rapid, Express	4	40 (55)	74,000	1,500 1,750 3,000		500 508 700	Cr S IF P Cr P S	<b>R49 240 000</b>	STD
<b>129 A7.00 XZ7 R</b>	1237	● R14	4	42-51 (57-71)	75,000	1,750 2,000 4,000		500 508 700	CrB S IF P Cr P S	<b>R49 060 000</b>	STD
<b>150 A7.00</b>	1390	● R14	4	44-52 (59-73)							
<b>E7F</b>	1171	● Clio 1.2	4	44 (60)	75,800	1,500 1,750 3,000		500 501 700	CrB Fe S IF P Cr P S	<b>R49 260 000</b>	STD
<b>E6J, E7J R7J</b>	1390	● Clio, Express, Kangoo 1.4	4	55-59 (75-80)							
<b>E7F</b>	1171	● Clio 1.2	4	44 (60)	75,800	1,500 1,750 3,000		500 501 604	Cr P P IF P	<b>R49 410 000</b>	STD
<b>E6J, E7J R7J</b>	1390	● Clio, Express, Kangoo 1.4	4	55-59 (75-80)							
<b>C1J, C2J, C3J JL 17, JJ 15 847</b>	1390	● R5, R9, R11, R19	4	43-53 (59-72)	76,000	1,750 2,000 4,000		500 508 700	Cr S IF P Cr P S	<b>R49 070 000</b>	STD
<b>K9K</b>	1461	● Twingo, Clio, Megane, Laguna Modus, Scenic, Kangoo 1.5 dCi	4	48-60 (65-81)	76,000	2,000 2,000 2,500		500 501 604	Cr P IF P IFU Cr P	<b>R49 400 000</b> R49 400 050	STD 0,50
<b>C2L 807, 821</b>	1565	● R11 Rainbow, R21 Optima	4	49-69 (66-94)	77,000	1,750 2,000 4,000		500 508 603	Cr P P P	<b>R49 350 000</b>	STD
<b>F8D F8M</b>	1596	● R5, R9, R11	4	40 (55)	78,000	2,000 2,000 3,000		500 501 604	Cr S P Cr	<b>R49 080 000</b> R49 080 050 R49 080 100	STD 0,50 1,00
<b>H4J</b>	1397	● Scenic III, Megane III	4	96 (131)	78,000	1,200 1,200 2,000		500 501 700	NitB S IF P Nit S	<b>R49 500 000</b> R49 500 050	STD 0,50

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	

**● RENAULT**

<b>C7, D7</b> <b>841</b> <b>843</b>	1647	● R16, R18, Fuego	4	58-70 (79-96)	79,000	1,750 2,000 4,000	 500 501 700	Cr S IF P Cr P S	<b>R49 090 000</b>	STD
<b>K4J</b>	1390	● Clio 1.4	4	70 (95)	79,500	1,200 1,500 2,500	 500 508 700	CrB Fe S P Cr P S	<b>R49 270 000</b>	STD
<b>K4M</b>	1596	● Megane, Scenic 1.6	4	77 (105)						
<b>K4J</b>	1390	● Clio 1.4	4	72 (98)	79,500	1,500 1,500 2,500	 500 508 700	CrB Fe S IF P Cr P S	<b>R49 280 000</b>	STD
<b>K4M</b> <b>K7M</b>	1596	● Clio, Kangoo, Megane Scenic, Moduz 1.6	4	79-85 (107-115)						
<b>F8Q</b>	1870	● R19, R21 Clio, Express, Megane Kangoo 1.9 D	4	40-48 (55-65)	80,000	2,000 2,000 3,000	 500 501 604	CrB S P Cr P	<b>R49 100 000</b> R49 100 050 R49 100 080 R49 100 100	STD 0,50 0,80 1,00
<b>F8Q</b>	1870	● R19, Megane, Scenic 1.9 T	4	66-70 (90-95)	80,000	2,500 2,000 3,000	 504 501 604	Cr P Cr P	<b>R49 250 000</b> R49 250 050	STD 0,50
<b>F9Q</b>	1870	● Clio, Laguna, Scenic, Kangoo Megane 1.9 dTi	4	72-74 (98-100)	80,000	2,500 2,000 3,000	 500 501 604	Cr P IF P IFU Cr P	<b>R49 380 000</b> R49 380 050	STD 0,50
<b>R9M</b>	1598	● Megane, Scenic	4	96 (130)	80,000	2,000 1,750 2,000	 503 501 604	Cr P P IF Cr P	<b>R49 510 000</b> R49 510 050	STD 0,50
<b>F2N</b> <b>F3N</b>	1721	● R9, R11, R19, R21	4	60-66 (82-90)	81,000	1,750 2,000 3,000	 500 508 700	CrB S IF P Cr P S	<b>R49 110 000</b>	STD
<b>F7P</b>	1763	● Clio 1.8 16v	4	99-101 (135-137)	82,000	1,500 1,500 3,000	 500 508 700	Cr S P Cr P S	<b>R49 290 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	
<b>● RENAULT</b>										
F3P	1784	● Clio 1.8	4	70 (95)	82,700	1,500 1,750 3,000	 500 501 700	CrB Fe S IF P Cr P S	R49 300 000 R49 300 050	STD 0,50
F3R	1998	● Laguna, Espace 2.0	4	70-84 (95-114)						
F4R 770 F4R 771	1998	● Megane II 2.0 16v Scenic II 2.0 16v	4	99-103 (135-140)	82,700	1,200 1,500 2,000	 500 508 700	NitB S P Cr P S	R49 430 000 R49 430 050	STD 0,50
N7Q	1948	● Laguna 2.0i 16v, Safrane	4	100-102 (136-139)	83,000	1,200 1,500 2,500	 500 508 700	NitB S P Nit S	R49 460 000 R49 460 050	STD 0,50
M9R	1995	● Megane II, Laguna II Bus 120, Bus cDI 120 Traffic II	4	66-84 (90-114)	84,000	2,500 2,000 2,000	 503 501 604	Cr P Cr P IFU Nit S	R49 470 000 R49 470 050	STD 0,50
M9T	2298	● Master Dci 100 2.3 Master Dci 125 2.3	4	75-110 (100-150)	85,000	2,500 2,000 2,000	 503 501 604	Cr P Cr P IFU Nit S	R49 480 000 R49 480 050	STD 0,50
F3P	1784	● Clio 1.8	4	70 (95)	82,700	1,500 1,750 3,000	 500 501 700	CrB Fe S IF P Cr P S	R49 300 000 R49 300 050	STD 0,50
F3R	1998	● Laguna, Espace 2.0	4	70-84 (95-114)						
F4R 770 F4R 771	1998	● Megane II 2.0 16v Scenic II 2.0 16v	4	99-103 (135-140)	82,700	1,200 1,500 2,000	 500 508 700	NitB S P Cr P S	R49 430 000 R49 430 050	STD 0,50
J8S	2068	● R18, R20, R21, R25 Master, Nevada	4	47-49 (64-67)	86,000	2,000 2,000 4,000	 500 501 604	Cr IF P IW Cr P	R49 130 000	STD
J8S ATMO	2068	● R21, R25	4	65 (88)	86,000	2,250 2,000 3,000	 500 501 604	Cr P Cr P	R49 140 000	STD
J8S	2068	● R18 TD, R20 TD, R21 TD R25 TD, R30 TD Fuego, Nevada, Espace TD	4	62-65 (85-88)	86,000	2,500 2,500 4,000	 504 508 604	Cr P Cr P	R49 150 000	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● RENAULT</b>											
J8S	2068	● R18, R20, R25, R30 Fuego, Nevada, Espace	4	62-65 (85-88)	86,000	2,500 2,500 3,000	  	504 508 604	Cr P Cr P	<b>R49 160 000</b>	STD
J8S	2068	● R18, R20, R25, R30 Fuego, Nevada, Espace	4	62-65 (85-88)	86,000	2,500 2,500 3,000	  	511 501 604	MoB IW Cr P IFU Cr P	<b>R49 390 000</b>	STD
G8T	2188	● Laguna, Espace, Safrane 2.2 D	4	61-62 (83-85)	87,000	2,500 1,750 2,500	  	500 501 604	Cr P IF P IFU Cr P	<b>R49 310 000</b>	STD
G8T	2188	● Laguna, Espace, Safrane 2.2	4	83 (113)	87,000	3,500 1,750 2,500	  	504 501 604	Cr P P IFU Cr P	<b>R49 320 000</b>	STD
G9T 722	2188	● Laguna 2.2 TDCI Master 2.2 TDCI Espace IV 2.2 TDCI	4	110 (150)	87,000	3,000 1,750 2,500	  	503 501 604	Cr P P IFU P	<b>R49 440 000</b> R49 440 050	STD 0,50
J7R J7T	2165	● R20, R21 Master, Trafic, Espace	4	75-92 (102-126)	88,000	1,750 2,000 4,000	  	500 508 700	Cr B S IF P IF Cr P S	<b>R49 170 000</b>	STD
J7R J7T	1995	● R20, R21 Master, Trafic, Espace	4	100 (136)	88,000	1,500 1,750 3,000	  	500 508 700	Cr S IF P Cr P S	<b>R49 180 000</b>	STD
Z7V	2664	● R25, R30 2.7	V6	104 (141)	88,000	1,500 2,000 4,000	  	500 501 700	Cr P Cr P S	<b>R49 360 000</b>	STD
G9U 720 /724 /730 750 /754	2463	● Master 2.5 DCI	4	84 (115)	89,000	2,500 1,750 2,500	  	500 501 604	Cr P IF P IFU Cr P	<b>R49 450 000</b> R49 450 050	STD 0,50
G9U	2463	● Master Dci 2.5	4	85 (115)"	89,000	3,000 1,750 2,500	  	503 508 604	Cr P P Nit S	<b>R49 490 000</b> R49 490 050	STD 0,50
Z6W Z7W	2849	● R25, Alpine GTA, Espace	V6	114 (155)	91,000	1,500 2,000 4,000	  	500 501 604	Cr S IF P Cr P	<b>R49 190 000</b>	STD

Engine Type	cc	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	

## ● RENAULT

<b>8140.67.2500</b> <b>S8U</b> <b>S8W</b>	2499	● Master	4	55 (75)	93,000	3,000 2,000 3,000		500 508 604	Cr P P Cr P	<b>R49 010 000</b> R49 010 040 R49 010 060	STD 0,40 0,60
<b>8140.58</b> <b>S8U</b>	2445	● Master, Trafic 2.5 D	4	51-53 (69-72)	93,000	3,000 2,000 4,000		500 508 604	Cr P P Cr P	<b>R49 210 000</b> R49 210 040 R49 210 060	STD 0,40 0,60
<b>Z7X</b> <b>Z7U</b>	2963	● Safrane 2.9, Alpine GTA	6	123-147 (167-200)	93,000	1,500 1,750 3,500		500 508 604	Cr S P Cr P S	<b>R49 220 000</b>	STD
<b>8140.21, 8144.21</b> <b>S8U</b>	2445	● Master, Safrane	4	80-84 (109-105)	93,000	3,000 2,000 3,000		504 501 604	Cr P P Cr P	<b>R49 230 000</b> R49 230 040 R49 230 060	STD 0,40 0,60
<b>8140.07, 8140.27</b> <b>8140.47</b>	2499	● Master 2.5 D	4	68 (85)							
<b>8140.43.3700</b>	2798	● Master	4	77-85 (105-115)	94,400	3,000 2,000 3,000		504 501 604	Cr P P IWU Cr P	<b>R49 120 000</b> R49 120 040 R49 120 060	STD 0,40 0,60
<b>8140.43S</b>	2798	● Mascott 130	4	77-92 (105-125)	94,400	2,500 2,000 2,500		504 501 604	Cr P P Cr P	<b>R49 200 000</b> R49 200 040 R49 200 060	STD 0,40 0,60
<b>8140.43</b>	2798	● Espace 3.5 24v	6	177	94,400	3,000		504	Cr P	<b>R49 370 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● RENAULT TRUCKS</b>											
599 LE 01 712.01-04, 712.08	3017		4		98,000	3,000 2,500 2,500 4,500	   	504 501 508 604	Cr P P Cr	<b>R50 100 000</b>	STD
712.01-04, 712.08	3319	● SG2, SG4, SG5, SM4, SM5, D5 T Super Goelette, Super Galion	4	56-65 (76-88)	98,000	3,000 2,500 4,500	  	504 508 604	Cr P Cr	<b>R50 150 000</b>	STD
597	5278	● SM7 -F3000, F3500, -F4000 -F4500, SM8 -F3000	6	92 (126)	100,000	3,000 2,500 2,500 5,000	   	504 501 501 604	Cr P P Cr P	<b>R50 030 000</b>	STD
720.01-03, 720.08 720.12	3593	● SG5, SG5 C, SM5 JK 60, -65, -75, 90	4	67-73 (92-100)	102,000	3,000 2,500 5,000	  	504 501 604	Cr P Cr	<b>R50 000 000</b>	STD
797 D 0216 MXU	5489	● SM7, SM8 SM8-13, SM8-TM SM8-TY, SC28, SC29 JN75, JN90, JP11, JP13	6	98-110 (133-150)							
798	5489	● SM8-TU, JP11 T, JP13 T JR1, JN75	6	109-125 (148-170)	102,000	3,000 2,500 2,500 5,000	   	504 501 501 604	Cr P P Cr	<b>R50 010 000</b>	STD
MIDR 602.026 D	6177	● G 230.13, G 230.15, G 230.16 G 230.18, G 230.19 M 230	6	166 (226)	102,000	3,500 2,500 4,000	  	504 501 604	Cr P Cr	<b>R50 110 000</b>	STD
MIDR 602.026 D	6177	● G 230.ti	6	166 (226)	102,000	3,500 2,500 4,000	  	504 501 604	Mo Cr P Cr P	<b>R50 220 000</b>	STD
D 0836 M, MH, MU HM3, HM, HMN HMU, HM2, HM7	7030	● S45 GT, S53 M, S105 M, SC10 SM10, -12, -170, -170L JM 170C, -170N, -170XL	6	99-118 (135-160)	108,000	2,500 2,500 5,000	  	500 501 604	Cr P Cr P	<b>R50 020 000</b>	STD
D 0846 HM2, HMN2, HMY	7252	● SM 10, -12, -21, -170, 180H E 7 N, E 7 L	6	117-132 (160-180)							
MID 620.30 MIP 620.30 MIDR 620.30 MIDS 620.30	8822	● GB-, GC-, GF-, GLR 190, GR 191 PR14 -GL, -SLG C 210, G 210, G 230 HB 15, HB 17, HB 19, HB 26	6	136-194 (185-264)	120,000	3,250 3,000 4,000	  	504 501 604	Cr P Cr	<b>R50 040 000</b>	STD

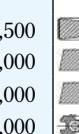
Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	

## ● RENAULT TRUCKS

<b>MIDR 620.45</b> <b>MIDS 620.45</b>	9839	● C 260.26, C 260.19 T, C 279 T G 260, G 280	6	191-206 (260-280)							
<b>MIDR 620.45</b> <b>MIDS 620.45</b>	9839	● PR100, PR180, PER180 C260, G260, G260.6, G260.15 G260.16, G260.17, G260.19 G260.24, G.260.26, G300	6	136-186 (185-253)	120,000	3,500 3,000 4,000	  	504 501 604	Cr P Cr	<b>R50 120 000</b>	STD
<b>MIDR 620.45</b> <b>MIPS 620.45</b>	9839	● C 260.26, C 260.19 T, C 279 T G 260, G 280	6	191-206 (260-280)							
<b>MIDS 620.30</b>	8820	● G210.19, G230.19, GB231 GC231, GF231, GLR230 TB231, PR10, PR12, PR14 950 KB6, 950 KTB6	6	153-169 (208-230)	120,000	3,250 3,000 3,000 4,000	   	504 501 508 604	Cr P P Cr	<b>R50 140 000</b>	STD
<b>MIDR 620.45</b> <b>MIDS 620.45</b>	9839	● C 260.26, C 260.19 T, C 279 T G 260, G 280	6	191-206 (260-280)	120,000	3,500 3,000 4,000	  	504 501 604	Cr Cr P IF Cr	<b>R50 210 000</b>	STD
<b>MIDR 06.23.56.A3</b> <b>MIDR 06.23.56.A41</b> <b>MIDR 06.23.56.B41</b>	11122	● Kerax 385, Kerax 400 Premium 365, Premium 400 Ares 380	6	266-288 (361-381)	123,000	3,500 3,000 4,000	  	504 501 604	Cr P Cr	<b>R50 130 000</b>	STD
<b>MDS 635.40</b> <b>MIDS 635.40</b>	12024	● CBH 280, GBH 280	6	206 (280)	135,000	3,500 3,000 6,000	  	504 501 604	Cr P Cr	<b>R50 050 000</b>	STD
<b>MDS 635.40</b> <b>MS 635 T</b>	12024	● TR 280, TLR 280, GR 280N GR 280L, GR 280EL, GBH 280N GR 305, GRH 305, TRH 305 TRH 310	6	191-224 (260-305)	135,000	3,500 3,000 3,000 6,000	   	504 501 501 604	Cr P P P Cr P	<b>R50 060 000</b>	STD
<b>MIDR 0635.40 M3</b>	12024	● CBH 320, CLM 320, GBH 320	6	235 (320)	135,000	4,000 3,000 4,000	  	504 501 604	Cr P Cr	<b>R50 070 000</b>	STD
<b>MIDR 0635.40 G2</b> <b>MIDR 0635.40 H2</b>	12024	● R 340, R 350, R 365, R 380 AE 380	6	255-275 (346-374)							
<b>MIDR 0635.40 L1</b> <b>MIDR 0635.40 N3</b>	12024	● R 385, AE 385 CLM 385, CBH 385, GBH 385	6	283 (385)							
<b>MIDR 0635.40 J1</b> <b>MIDR 0635.40 J3</b>	12024	● R 420, AE 420	6	305-309 (415-420)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	

**● RENAULT TRUCKS**

<b>MIVS 0835.30</b>	14886	● GR 350, GRH 350, TR 350 TRH 350	6	262 (356)	135,000	3,500 3,000 3,000 4,000		504 501 501 604	Cr P P Cr	<b>R50 080 000</b>	STD
<b>MIDR 0635.40 C</b>	11941	● R 310 T	6	224 (305)	135,000	3,500 3,000 4,000		504 501 604	Cr P Cr	<b>R50 090 000</b>	STD
<b>MIDR 0635.40</b>	12024	● R 305, R 310, PX 30	6	226 (308)							
<b>MIVR 0835.30</b> <b>MIVS 0835.30</b>	14886	● GR 350, TR 350 R 360, R 360 T, R 370 R 390, R 420	6	262-286 (356-389)							
<b>MIDR 0635.40 M3</b>	12024	● CBH 320, CLM 320, GBH 320	6	235 (320)	135,000	4,000 3,000 4,000		504 501 604	Cr Cr IW Cr	<b>R50 190 000</b>	STD
<b>MIDR 0635.40 G2</b> <b>MIDR 0635.40 H2</b>	12024	● R 340, R 350, R 365, R 380 AE 380	6	255-275 (346-374)							
<b>MIDR 0635.40 L1</b> <b>MIDR 0635.40 N3</b>	12024	● R 385, AE 385 CLM 385, CBH 385, GBH 385	6	283 (385)							
<b>MIDR 0635.40 J1</b> <b>MIDR 0635.40 J3</b>	12024	● R 420, AE 420	6	305-309 (415-420)							

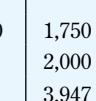
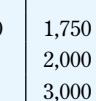
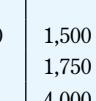
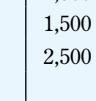
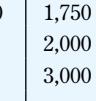
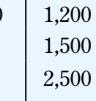
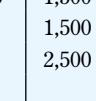
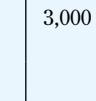
Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● ROVER</b>											
<b>11 K2D</b> <b>11 K4F</b>	1120	● 100 Metro 111, 25 1.1 100 Convertible 111 200 Hatchback 211	4	44-55 (60-75)	75,000	1,000 1,200 2,000		500 508 700	Nit S P Nit S	<b>R70 040 000</b>	STD
<b>14 K2A /D /F</b> <b>14 K4C /D /F /M</b>	1396	● 100 Metro 114 S /L /GTA 100 Convertible 114 200 Hatchback 214 200 214i, 400 414 Streetwise 1.4	4	55-77 (75-105)							
<b>16 K4F</b>	1588	● 25 1.6, 45 1.6, 200 216 Si 400 416 Si	4	81 (110)	80,000	1,000 1,200 2,000		500 508 700	Nit S IF P Nit S	<b>R70 050 000</b>	STD
<b>18 K4F</b>	1796	● 25 1.8, 45 1.8, 45 Saloon 1.8 200 218 Si, 75 1.8	4	87-88 118-120							
<b>18 K4K</b>	1796	● 25 1.8, 45 1.8, 200 218 K Vi 400 Tourer 1.8i	4	107-110 (146-150)							
<b>25 K4F</b>	2497	● 75 2.5 V6, 800 825 Si 800 2.5, 800 2.5 Si	V6	129 (175)	80,000	1,200 1,500 2,500		500 508 700	Cr P P Cr P S	<b>R70 060 000</b>	STD
<b>KV 6</b>	2497	● 75 2.5 V6 75 Tourer 2.5 V6		130 (177)							
<b>M 47</b>	1951	● 75 2.0 CDT 75 Tourer 2.0 CDT	4	85 (116)	84,000	3,000 2,000 3,000		504 508 604	Cr P P Cr P	<b>R70 080 000</b>	STD
<b>20 T2N</b> <b>20 T2R</b>	1994	● 25 2.0 iDT, 45 2.0 iDT 200 220 Sdi /-D /-SD 400 420 Sdi /-D, 600 620 Sdi	4	63-83 (86-113)	84,450	3,000 2,000 3,000		504 508 604	Cr P P Cr P S	<b>R70 070 000</b> R70 070 050	STD 0,50

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	
<b>● SAME</b>										
953		● Delfino Minitauro	2 3		95,000	2,500 2,500 2,500 5,500		Cr P P IF P IF Cr P	R90 000 000	STD
982, 983, 984	3619	● Sirenetta, Delfino 35, Drago Aurora 45, Corsaro 70, Falcon Vigneron, Panther, Same 047 Tiger SIX 105, Corsaro 70 SY	2 3 4		98,000	2,500 2,500 2,500 5,000		Cr P IF P IW P Cr P	R90 010 000	STD
985, 986 L	4524		5 6							
		● Italia 35 Italia 70	2 4		100,000	2,500 2,500 2,500 5,000 5,000		Cr P P P Cr P P	R90 020 000	STD
		● Panther, Tiger SIX Corsaro, Condor	2 3 4 5 6		100,000	2,500 2,500 2,500 5,000		Cr P P P Cr P	R90 030 000	STD
105.3	3166	● Taurus, Jaguar, Buffalo Leopard	3		105,000	2,500 2,500 2,500 5,000 5,000		Cr P IF P P Cr P P	R90 040 000	STD
105.4	4156		4							
105.6	6234		6							
105.4 PT	4156	● Buffalo, Leopard	4		105,000	2,500 2,500 5,000		Cr P IF P Cr P	R90 050 000	STD
105.6 PT	6234		6							
1053 P	3116	● Taurus, Minotaurus Vigneron	3	43-46 (58-63)	105,000	2,500 2,500 2,500 5,000		Cr P IF P P Cr P	R90 060 000	STD
1054 P	4156	● Centurion, Mercury Leopard, Saturno	4	55-62 (75-84)						
1055 P	5195	● Jaguar	5	69-74 (94-100)						
1056 P	6234	● Drago, Trident, Laser, Buffalo	6	85-107 (115-145)						

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● SAME</b>											
<b>1000.3 AT</b>		● Gamma	3		105,000	3,000 2,500 4,000		500 501 604	Cr P IW P Cr P	<b>R90 070 000</b>	STD
<b>1000.4 AT</b>			4								
<b>1000.6 AT</b>			6								
<b>1000.3 AT /WT /W /A</b>			3		105,000	3,000 2,500 4,000		500 500 604	Cr P IW Cr P IF Cr P	R90 080 000	STD
<b>1000.4 AT /WT /W /A</b>			4								
<b>1000.6 AT /WT /A</b>			6								
		DA 12 /18	1		110,000	3,000 3,000 3,000 6,000 6,000		500 501 506 600 600	Cr P P P P P	<b>R90 090 000</b>	STD
		DA 25 /30	2								
		DA 38 /47	3								
		DA 55 /67	4								
<b>H496, H5116</b>			4		110,000	3,000 3,000 6,000		500 501 604	Cr P P Cr P	<b>R90 100 000</b>	STD
<b>H6136</b>			6								

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● SCANIA</b>											
<b>D8 01, D8 05</b>	7800	● L/LB 80S, L/LB 81S, L/LB 85S L/LB 86S, G 82M, T 82 H/M P 82 H/HB/M/MA, BF/BR 86	6	120-170 (163-231)	115,000	2,385 2,385 4,747	  	500 501 604	Cr P P Cr P	<b>R51 020 000</b>	STD
<b>DS 06</b>											
<b>DN 8 01</b>											
<b>DSJ 8 01</b>											
<b>DN 9 01</b>	8724		6	150-162 (204-220)							
<b>D 8</b>	7800	● L/LB 80, L/LB 81, G 82, P 82 T 82, L/LB 85, L/LB 86	6	120-153 (163-208)	115,000	2,385 2,385 2,385 4,747	   	500 501 501 604	Cr P P P Cr P	<b>R51 030 000</b>	STD
<b>DS 9 05 / 06 / 08</b>	8471		6	155-185 (211-252)	115,000	3,160 2,385 4,747	  	504 501 604	Cr IW Cr P	<b>R51 040 000</b>	STD
<b>DS 9 01</b>	8724	● D /P /R /T -92	6	180-207 (245-282)							
<b>DSC 9 02 / 44</b>	8724		6	180-207 (245-282)							
<b>D 10</b>	10260	● LA 75, LS 75, LT 75	6		127,000	3,160 3,160 3,160 6,335 6,335	    	500 501 501 604 600	Cr P P Cr P P	<b>R51 140 000</b>	STD
<b>DS 10</b>											
<b>D 11</b>	11000	● L/LB 110, L/LB/LS/LBS 110S L/LB/LS/LBS 111, LBS/LBT 111S LT/LBT 111 BB, LBT 111 FB SBA/SBAT 111, T 112 H/E G 112 M, R 112 M/MA/H/E P 112 M/MA/H/E, K 112	6	149-245 (203-333)	127,000	2,385 2,385 4,747	  	500 501 604	Cr P IW Cr P	<b>R51 070 000</b>	STD
<b>DN 11 01</b>											
<b>DS 11 01 / 02</b>											
<b>DS 11 14 / 15 / 18</b>											
<b>D 11</b>	11000	● L/LS/LB 110	6	143-202 (195-275)	127,000	2,385 2,385 2,385 4,747	   	500 501 501 604	Cr P IW P IW Cr P	<b>R51 080 000</b>	STD
<b>DS 11</b>											
<b>D 14</b>	14200	● L/LB/LBS 140	V8	148-275 (202-375)							
<b>DS 14</b>											

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● SCANIA</b>											
<b>DS 14 01 / 02 / 06</b> <b>DSI 14</b> <b>DSC 14</b>	14200	● 141, 142, 146 L/LB/LS/LBS/LBT 140 L/LB/LS/LBS/LBT 141 S R 142 M/MA/H/E, LT 145 R/T 142 H	V8	257-316 (350-430)	127,000	3,160 2,385 4,747		504 501 604	Cr IW P IW Cr	<b>R51 090 000</b>	STD
<b>DS 11, DSC 11</b> <b>DTC 11</b>	11000	● 112, 113 Series P/R/T 113, R 113 MA	V8	220-280 (300-381)	127,000	3,500 2,385 4,747		504 501 604	Cr IW P IW Cr	<b>R51 100 000</b>	STD
<b>DSC 14 03 / 04</b> <b>DSC 14 05 / 06</b>	14118	● R/T 142	V8	290-345 (394-470)							
<b>DS 14, DSC 14 J</b> <b>DSC 14 08 / 09 / 10</b>	14181	● R/T 143	V8	300-368 (408-500)							
<b>DS 11</b>	11000		6		127,000	3,160 2,385 2,385 4,747		504 501 501 604	Cr P IW P IW P IW Cr P	<b>R51 110 000</b>	STD
<b>D 11</b> <b>DN 11</b> <b>DS 11</b>	11000	● L/LB 110, L/LB 110 S L/LB/LBS 111, SBA 111 T 112 E/H	6	149-202 (203-275)	127,000	3,500 2,385 4,747		500 501 604	Cr P IW Cr	<b>R51 120 000</b>	STD
<b>DSC 11 27, Euro 2</b>	11000	● R 113 H, Bus	6	200-280 (272-381)	127,000	3,500 2,385 3,500		504 501 604	Cr IW P IW Cr P	<b>R51 130 000</b>	STD
<b>DSC 12 01 / 02</b> <b>Euro 2 / 3</b>	11700	● R 124	6	265-325 (360-442)							
<b>DSC 14</b>	14181		V8								

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● SEAT</b>											
<b>100 G.000</b>	844	● 850	4	25 (34)	65,000	1,750 2,000 3,947		500 508 700	Cr S IF P Cr P S	<b>R52 000 000</b> R52 000 040 R52 000 060	STD 0,40 0,60
<b>127 A.000</b> <b>A 112 A5</b>	903	● Ibiza, Marbella	4	34 (46)							
<b>MN</b>	1272	● Terra 1.3 D	4	33 (44)	75,000	1,750 2,000 3,000		500 508 603	CrB Fe S IF P P	<b>R52 010 000</b> R52 010 050 R52 010 100	STD 0,50 1,00
<b>1W</b>	1398	● Terra 1.4 D	4	35 (48)							
<b>021 A.1000</b> <b>021 C.1000</b>	1193	● Ibiza, Malaga, Ronda Cordoba 1.2	4	46-51 (63-70)	75,000	1,500 1,750 4,000		500 508 700	Cr S IF P Cr P S	<b>R52 020 000</b> R52 020 050	STD 0,50
<b>AAU, AEV</b>	1043	● Ibiza 1.0	4	33 (44)	75,000	1,500 1,500 2,500		500 508 700	CrB Fe S IF P Cr P S	<b>R52 090 000</b> R52 090 050 R52 090 100	STD 0,50 1,00
<b>ABD</b>	1391	● Cordoba 1.4, Ibiza 1.4	4	40-44 (55-60)							
<b>AAV</b> <b>2G</b>	1272	● Ibiza 1.3 i	4	40 (54)	75,000	1,750 2,000 3,000		500 508 700	CrB Fe S IF P Cr P S	<b>R52 100 000</b> R52 100 050 R52 100 100	STD 0,50 1,00
<b>AEX, AFH, AFK, AHW</b> <b>AKK, AKV, ANM</b> <b>ANW, APE, AQQ</b> <b>AUA, 'AUB, AUD, AXP</b> <b>BBY, BBZ, BCA</b>	1390	● Cordoba, Ibiza, Inca, Leon Toledo 1.4i 16v	4	44-74 (60-100)	76,510	1,200 1,500 2,500		500 508 700	NitB S IF P Cr P S	<b>R52 110 000</b> R52 110 050 R52 110 100	STD 0,50 1,00
<b>AEE</b>	1598	● Cordoba, Ibiza, Inca 1.6i	4	55 (75)							
<b>ABU</b>	1598	● Cordoba, Ibiza 1.6i	4	55 (75)	76,510	1,500 1,500 2,500		500 508 700	CrB Fe S IF P Cr P S	<b>R52 120 000</b> R52 120 050 R52 120 100	STD 0,50 1,00
<b>AMF</b>	1422	● Arosa, Ibiza, Cordoba 1.4 TDI	3	55 (75)	79,510	1,750 2,000 3,000		500 501 604	CrB Fe S P IFU Cr	<b>R52 030 000</b> R52 030 050 R52 030 100	STD 0,50 1,00
<b>AAZ, AEF, AMF</b> <b>1Y, 1Z</b> <b>AEY, AGR, AHF, AHU</b> <b>ALH, AQM, ARL, ASK</b> <b>ASV, ATD, AUY, AYQ</b>	1896	● Cordoba, Inca, Ibiza Toledo 1.9 D / DI Cordoba, Inca, Ibiza, Leon Toledo 1.9 TDI	4	47-81 (64-110)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● SEAT</b>											
<b>CLHA, CLHB CRKB</b>	1598	● Leon 1.6 TDI, Leon SC 1.6 TDI Leon ST 1.6 TDI	4	66-81 (90-110)	79,510	1,750 2,000 2,000		500 501 604	Cr P P IF Nit S	<b>R52 210 000</b> R52 210 050	STD 0,50
<b>132 A.9000 A32 B.9000</b>	1592	● Ronda 1.6	4	43 (58)	80,000	1,500 2,000 3,947		500 508 700	CrB Fe S P Cr P S	<b>R52 130 000</b> R52 130 040 R52 130 060 R52 130 080	STD 0,40 0,60 0,80
<b>BFQ, BGU, BSE, BSF</b>	1595	● Altea, Leon, Toledo 1.6	4	75 (102)	81,010	1,000 1,200 2,000		500 508 700	NitB S P Nit S	<b>R52 140 000</b> R52 140 050 R52 140 100	STD 0,50 1,00
<b>AEH, AKL, AFT, AKS APF, AUR</b>	1595	● Ibiza, Leon, Cordoba Leon 1.6	4	74-75 (100-101)	81,010	1,200 1,500 2,000		500 508 700	NitB S IF P Nit S	<b>R52 150 000</b> R52 150 050 R52 150 100	STD 0,50 1,00
<b>1F</b>	1595	● Cordoba, Ibiza, Inca Toledo 1.6i	4	53-55 (72-75)	81,010	1,500 1,750 3,000		500 508 700	CrB S IF P Cr P S	<b>R52 160 000</b> R52 160 050 R52 160 100	STD 0,50 1,00
<b>ABS, ADZ KR, PL</b>	1781	● Cordoba, Ibiza, Toledo 1.8 16v	4	66-98 (90-133)							
<b>AGZ, AQN</b>	1781	● Toledo 2.3	V5	110-125 (150-170)							
<b>AUE, AYL</b>	2797	● Leon, Alhambra 2.8	V6	150 (204)							
<b>1F</b>	1595	● Cordoba, Ibiza, Inca Toledo 1.6i	4	53-55 (72-75)	81,010	1,500 1,750 3,000		500 508 604	CrB S IF P Cr	<b>R52 170 000</b> R52 170 050 R52 170 100	STD 0,50 1,00
<b>ABS, ADZ KR, PL</b>	1781	● Cordoba, Ibiza, Toledo 1.8 16v	4	66-98 (90-133)							
<b>AGZ, AQN</b>	1781	● Toledo 2.3	V5	110-125 (150-170)							
<b>AUE, AYL</b>	2797	● Leon, Alhambra 2.8	V6	150 (204)							
<b>AGN, AJH, AJQ, APP ARY, AQX, AUQ AWC, AYP, AMK BAM, BJX</b>	1781	● Leon, Toledo 1.8T 20v	4	92-132 (125-180)	81,010	1,500 1,750 2,000		500 508 700	CrB Fe S IF Fe Nit S	<b>R52 180 000</b> R52 180 050 R52 180 100	STD 0,50 1,00

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● SEAT</b>											
	1968	● Leon, Toledo, Altea Alhambra 2.0 TDI	4	103-125 (140-170)	81,010	2,500 2,000 3,000	  	500 501 604	Cr P P Cr P	<b>R52 190 000</b> R52 190 050 R52 190 100	STD 0,50 1,00
<b>AAD, ABK, ABF ADY, AGG</b>	1984	● Cordoba, Toledo, Ibiza 2.0i	4	85-110 (115-160)	82,510	1,200 1,500 2,000	  	500 501 700	NitB S IF P Cr P S	<b>R52 040 000</b> R52 040 050 R52 040 100	STD 0,50 1,00
<b>CDHA</b>	1798	● Exeo 1.8 TSI	4	88 (120)	82,500	1,200 1,200 2,000	  	500 508 700	NitB S IF P Nit S	<b>R52 200 000</b> R52 200 050	STD 0,50
<b>CDAA, CDHB</b>	1798	● Exeo 1.8 TSI, Exeo St 1.8 TSI Alhambra 1.8 TFSI	4	118 (160)							
<b>CJSA</b>	1798	● Leon 1.8 TFSI Leon SC 1.8 TFSI Leon ST 1.8 TFSI	4	132 (180)							
<b>CDND</b>	1984	● Exeo 2.0 TFSI Exeo ST 2.0 TFSI	4	155 (211)							
<b>BYT, BZB</b>	1798	● Altea XI 1.8 TFSI, Altea 1.8 TFSI Toledo III 1.8 TFSI, Leon 1.8 TSI	4	118 (160)	82,500	1,200 1,500 2,000	  	500 508 604	NitB S IF P Nit S	<b>R52 220 000</b> R52 220 050	STD 0,50
<b>CDLA, CDLD</b>	1984	● Leon 2.0 Cupra, Leon 2.0 TFSI	4	177-195 (240-265)							
	1675	● Ibiza	4	79 (107)	83,000	1,500 1,750 3,000	  	500 508 700	GrB Fe S IF P Cr P S	<b>R52 050 000</b> R52 050 040 R52 050 060	STD 0,40 0,60
	1461	● Ibiza, Ronda, Malaga	4	63-66 (85-90)	83,000	1,500 1,750 4,000	  	500 508 700	GrB Fe S IF P Cr P S	<b>R52 060 000</b> R52 060 040 R52 060 060	STD 0,40 0,60
<b>138 A5.000 138 B6.000</b>	1714	● Ibiza, Ronda, Malaga	4	40-43 (55-58)	83,000	2,500 2,000 4,000	  	504 506 604	Cr P Cr P	<b>R52 070 000</b> R52 070 040 R52 070 060	STD 0,40 0,60

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	
<b>● SKODA</b>										
<b>742.12</b> <b>742.12 X</b>	1174	● S120 S /L /GL /LS, S1203	4	38-43 (52-58)	72,000	1,500 1,500 3,000	 500 508 700	CrB Fe S P Cr P S	<b>R53 060 000</b>	STD
<b>781.135</b>	1280	● Favorit 1.3	4	40-50 (54-68)	75,500	2,000 2,000 4,000	 500 501 700	Cr S P Cr P S	<b>R53 040 000</b>	STD
<b>781.135 E</b> <b>135 M</b>	1280	● Favorit 1.3, Rapid 136	4	40-50 (54-68)	75,500	1,500 1,500 3,000	 500 501 700	Cr S P Cr P S	<b>R53 050 000</b>	STD
<b>BCA</b>	1198	● Favorit 1.3, Rapid 136	3	44-51 (60-70)	76,510	1,200 1,200 2,000	 500 501 700	NitB S P Nit S	<b>R53 000 000</b>	STD
	1390	● Favorit 1.3, Rapid 136	4	77-85 (105-115)						
	1598	● Favorit 1.3, Rapid 136	4	55-92 (75-125)						
<b>AUA, 'AUB, AUD,</b> <b>AXP</b> <b>BBY, BBZ, BCA</b>	1390	● Fabia, Octavia 1.4 16v	4	55-74 (75-100)	76,510	1,200 1,500 2,500	 500 508 700	NitB S IF P Cr P S	<b>R53 010 000</b> R53 010 050 R53 010 100	STD 0,50 1,00
<b>AEE</b>	1598	● Fabia, Felicia, Octavia 1.6	4	55 (75)						
<b>AYM</b>	2496	● Superb 2.5 TDI	6	114 (155)	78,310	1,750 2,000 3,000	 500 501 604	Cr P P IFU Cr P	<b>R53 020 000</b> R53 020 050 R53 020 100	STD 0,50 1,00
<b>AEF, AGP, ASY</b> <b>ATD, AVB, AWX</b> <b>AGD, AHF, ALH</b> <b>AQM, ASZ</b>	1896	● Fabia, Felicia, Octavia Superb 1.9 TDI, 1.9 TDI PD	4	47-96 (64-131)	79,510	1,750 2,000 3,000	 500 501 604	CrB Fe S P IFU Cr	<b>R53 070 000</b> R53 070 050 R53 070 100	STD 0,50 1,00
<b>CLHA, CLHB</b> <b>CRKB</b>	1598	● Octavia 1.6 TDI Octavia Combi 1.6 TDI	4	66-81 (90-110)	79,510	1,750 2,000 2,000	 500 501 604	Cr P P IF Nit S	<b>R53 130 000</b> R53 130 050	STD 0,50
<b>BFQ, BGU</b>	1595	● Octavia	4	75 (102)	81,010	1,000 1,200 2,000	 500 508 700	NitB S P Nit S	<b>R53 080 000</b> R53 080 050 R53 080 100	STD 0,50 1,00

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● SKODA</b>											
<b>AEH, AKL</b>	1595	● Octavia	4	74 (100)	81,010	1,200 1,500 2,000		500 508 700	NitB S IF P Nit S	<b>R53 090 000</b> R53 090 050 R53 090 100	STD 0,50 1,00
<b>ADR, AGN</b>	1781	● Octavia 1.8 20v	4	92 (125)	81,010	1,500 1,750 2,000		500 508 700	CrB Fe S IF Fe Nit S	<b>R53 100 000</b> R53 100 050 R53 100 100	STD 0,50 1,00
	1968	● Octavia, Superb 2.0 TDI PB Yeti 2.0 TDI CR	4	103-125 (140-170)	81,010	2,500 2,000 3,000		500 501 604	Cr P P Cr P	<b>R53 110 000</b> R53 110 050 R53 110 100	STD 0,50 1,00
<b>CDAB, CDAA</b>	1798	● Yeti 1.8 TSI 4x4 Octavia 1.8 TSI Octavia Combi 1.8 TSI 4x4 SuperB 1.8 TSI 4x4 SuperB Combi 1.8 TSI 4x4	4	112-118 (152-160)	82,500	1,200 1,200 2,000		500 508 700	NitB S IF P Nit S	<b>R53 120 000</b> R53 120 050	STD 0,50
<b>CJSA</b>	1798	● Octavia 1.8 TSI Octavia Combi 1.8 TSI 4x4		132 (180)							
<b>CCZA</b>	1984	● Octavia 2.0 RS Octavia Combi 2.0 RS SuperB 2.0 TSI SuperB Combi 2.0 TSI 4x4	4	147 (200)							
<b>BZB</b>	1798	● Octavia 1.8 TSI SuperB 1.8 TSI	4	118 (160)	82,500	1,200 1,500 2,000		500 508 604	NitB S IF P Nit S	<b>R53 140 000</b> R53 140 050	STD 0,50
<b>CHHB</b>	1984	● Octavia 2.0 TSI RS Octavia Combi 2.0 TSI RS	4	162 (220)	82,500	1,200 1,200 2,000		500 508 604	NitB S IF P Nit S	<b>R53 150 000</b> R53 150 050	STD 0,50

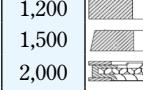
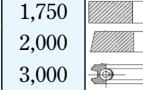
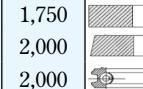
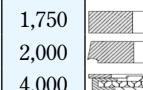
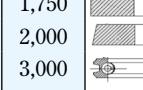
Engine Type	cc	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring				
			No	(HP)	Diam	Height	Type	Set No.	Size

● UTB

D121 45 CV	2340		4	28-38 (38-51)	95,000	2,500 2,500 5,500	  	500 508 604	Cr P IF P Cr P	R89 020 000	STD
D115			3 4	33-61 (45-83)	102,000	2,500 2,500 5,000	  	500 501 604	Cr P P P	R89 000 000	STD
D110 D113	4760	● U50, U500, U650 M U651, U651 M	4	48 (65)	108,000	3,000 3,000 3,000 6,000 6,000	    	500 501 506 604 603	Cr P P P P	R89 010 000	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● VOLKSWAGEN</b>											
AER, ALD, ALL ANV, AUC	999	● Lupo 1.0, Polo 50	4	37 (50)	67,100	1,000 1,200 2,000		500 508 700	CrB S P Cr P S	<b>R56 080 000</b> R56 080 050	STD 0,50
HA	895	● Derby, Polo	4	29 (40)	69,510	1,750 2,000 4,000		500 508 603	Cr P IF P P	<b>R56 000 000</b> R56 000 050 R56 000 100	STD 0,50 1,00
FJ, GG, HB, HD	1093	● Golf, Jetta, Scirocco	4	37-38 (50-52)	69,510	1,750 2,500 4,000		500 508 605	CrB IF Fe P	<b>R56 010 000</b> R56 010 050 R56 010 100	STD 0,50 1,00
FZ, FY, GF, GS, GT HJ, HH	1272	● Golf, Jetta, Derby, Passat Polo, Santana	4	40-44 (55-60)	75,010	1,750 2,000 4,000		500 508 700	CrB S IF P Cr P S	<b>R56 020 000</b> R56 020 050 R56 020 100	STD 0,50 1,00
HZ	1043	● Polo, Golf, Jetta	4	37 (50)	75,010	1,750 2,000 3,000		500 508 700	CrB Fe S IF P Cr P S	<b>R56 030 000</b> R56 030 050 R56 030 100	STD 0,50 1,00
2G, AAV, GK, GL, HK HW, MH, NU, NZ	1272	● Polo, Golf, Jetta, Derby 1.3	4	29-55 (40-75)	75,010	2,000 2,500 4,000		500 508 700	CrB Fe S P Cr P S	<b>R56 040 000</b> R56 040 050 R56 040 100	STD 0,50 1,00
EP, ZA, ZP	1296	● Passat, Santana 1.3	4	40-44 (55-60)	75,010	2,000 2,500 4,000		500 508 700	CrB Fe S P Cr P S	<b>R56 050 000</b> R56 050 050 R56 050 100	STD 0,50 1,00
MN	1398	● Polo	4	33 (45)	75,010	1,750 2,000 3,000		500 508 603	CrB Fe S IF P P	<b>R56 060 000</b> R56 060 050 R56 060 100	STD 0,50 1,00
EP, EU	1296	● Passat, Santana	4	44 (60)	75,010	1,500 1,750 3,000		500 501 700	CrB Fe S IF P Cr P S	<b>R56 070 000</b> R56 070 050 R56 070 100	STD 0,50 1,00
AAU, AEV	1043	● Polo	4	33 (45)	75,010	1,500 1,500 2,500		500 508 700	CrB Fe S IF P Cr P S	<b>R56 080 000</b> R56 080 050 R56 080 100	STD 0,50 1,00
3F, AAL	1272	● Polo	4	55 (75)	75,010	1,500 1,500 2,500		500 508 700	CrB Fe S IF P Cr P S	<b>R56 090 000</b> R56 090 050 R56 090 100	STD 0,50 1,00
ABD	1391	● Golf III, Vento	4	44 (60)	75,010	1,500 1,750 3,000		500 501 700	CrB Fe S IF P Cr P S	<b>R56 100 000</b> R56 100 050 R56 100 100	STD 0,50 1,00

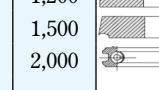
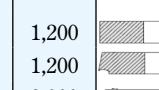
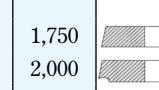
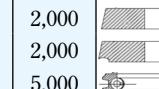
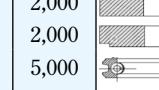
Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● VOLKSWAGEN</b>											
<b>ABU</b>	1598	● Golf III, Vento	4	55 (75)	76,510	1,500 1,500 2,500		500 508 700	CrB Fe S IF P Cr P S	<b>R56 090 000</b> R56 090 050 R56 090 100	STD 0,50 1,00
<b>ANY, AYZ</b>	1191	● Lupo	3	45 (61)	76,510	1,750 2,000 3,000		500 501 604	CrB Fe S P IFU Cr	<b>R56 100 000</b> R56 100 050 R56 100 100	STD 0,50 1,00
<b>1.5</b>	1470	● Passat	4	37 (50)							
<b>1V, CY, JR, JX, MF RA, SB, CR, CS, JK JP, ME</b>	1588	● Golf, Jetta, Passat, Caddy T2, Santana	4	37-59 (50-80)							
<b>1G, ACL, DV, 1E, 1S CP, DL, DW</b>	2383	● Jetta, LT 28, LT 31, LT 35 LT 40, LT 45, LT 50, LT 55	6	52-75 (70-102)							
<b>ANY, AYZ</b>	1191	● Lupo	3	45 (61)	76,510	1,750 2,000 3,000		500 501 604	CrB Fe S Cr IFU Cr	<b>R56 110 000</b> R56 110 050 R56 110 100	STD 0,50 1,00
<b>AKU, AMF, ATL</b>	1422	● Polo, Lupo	4	44-55 (60-75)							
<b>1V, CY, JR, JX, MF RA, SB, CR, CS, JK JP, ME</b>	1588	● Golf, Jetta, Passat, Caddy T2, Santana	4	51 (70)							
<b>1G, ACL, DV, 1E, 1S CP, DL, DW</b>	2383	● Jetta, LT 28, LT 31, LT 35 LT 40, LT 45, LT 50, LT 55	6	52-75 (70-102)							
<b>AWY, AZQ, BMD</b>	1198	● Polo	3	40-47 (54-64)	76,510	1,200 1,500 2,500		500 508 700	NitB Fe S IF P Cr P S	<b>R56 310 000</b> R56 310 050 R56 310 100	STD 0,50 1,00
<b>ADX</b>	1296	● Polo	4	40 (55)							
<b>AFK, AFH, AKK, ANM ANW, APE, AUA, AUB AUD, AQQ, AEX, AKV AXP, BCA, BBY, BBZ ANX, APQ, AHW, AKQ AHW, AXP, ARR, BAG</b>	1390	● Polo, Lupo, Caddy, Bora Golf, New Beetle 1.4 16v	4	55-74 (75-100)							
<b>AEA, AEE, AHS, ALM AJV, ARC, ATN, AUS AVY, AZD, BCB</b>	1598	● Polo, Golf, Vento, Caddy Bora, Lupo 1.6	4	55-92 (75-125)							
<b>BCA</b>	1390	● Bora 1.4i 16v, Golf IV / V 1.4i New Beetle 1.4i 16v	4	55 (75)	76,510	1,200 1,200 2,000		500 501 700	NitB Fe S P Nit S	<b>R56 450 000</b> R56 450 050 R56 450 100	STD 0,50 1,00

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● VOLKSWAGEN</b>											
BMY, BLG, CAVD	1390	● Golf 1.4 TSI, Jetta 1.4 TSI Touran 1.4 FSI	4	103 (140)	76,510	1,200 1,500 2,000		500 501 700	NitB S P Nit S	<b>R56 200 000</b> R56 200 050 R56 200 100	STD 0,50 1,00
AFB, AKN, AKE, BAU BCZ, BFC, BDG, BDH	2496	● Passat 2.5 TDI	6	114-132 (155-179)	78,310	1,750 2,000 3,000		500 501 604	Cr P P IFU Cr P	<b>R56 130 000</b> R56 130 050 R56 130 100	STD 0,50 1,00
CLHA, CLHB CRKA, CRKB	1598	● Golf VII 1.6 TDI Golf VII 1.6 TDI 4motion Golf VII Variant 1.6 TDI	4	66-81 (90-110)	79,510	1,750 2,000 2,000		500 501 604	Cr P P IF Nit S	<b>R56 140 000</b> R56 140 050	STD 0,50
EE, EF, EJ, FN, FR, FP WV, WY, WZ YG, YH YN, YP, YT	1588	● Jetta, Scirocco	4	44-62 (60-85)	79,510	1,750 2,000 4,000		500 508 700	CrB Fe S IF P Cr P S	<b>R56 150 000</b> R56 150 050 R56 150 100	STD 0,50 1,00
EN, ZV	1716	● Jetta, Scirocco, Golf, Rabbit Santana	4	57-59 (78-80)							
WN	1921	● Passat, Santana	5	84 (115)							
WE	2144	● Passat, Santana	5	85 (116)							
AMF, ATL, BAY	1422	● Lupo, Polo 1.4	3	55 (75)	79,510	1,750 2,000 3,000		500 501 604	CrB Fe S P IFU Cr P S	<b>R56 160 000</b> R56 160 050 R56 160 100	STD 0,50 1,00
AKU	1716	● Lupo, Polo	4	44 (60)							
1X, 1Y, 1Z, AAZ, ABL AEY, AFN, AHF, AHH AHU, ALE, ALH, AQM AEF, AGD, AGP, AGR AGM, AJM, ANU ARL, ASV, ASX, ASY ASZ, ATD, ATJ, AUY AVB, AVF, AWX, AVQ AXB, AXC, AXR, AYQ BBJ, BKC, BLT, BRR BRS, BRU	1896	● Golf, Caddy, Bora, Sharan Passat, Polo, Touran, Mul tivan Transporter, New Beetle	4	44-110 (60-150)							
AJA	2370	● T4, California	5	55 (75)							

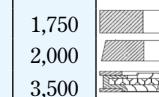
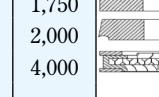
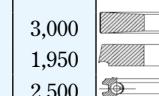
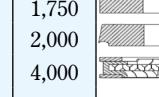
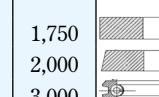
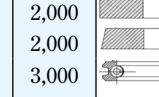
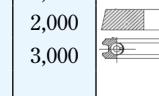
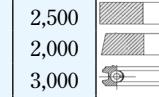
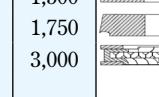
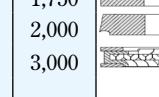
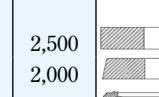
Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● VOLKSWAGEN</b>											
<b>AEG, AGD, AGP, AGR AGM, AJM, ANU ARL, ASV, ASX, ASY ASZ, ATD, ATJ, AUY AVB, AVF, AWX, AVQ AXB, AXC, AXR, AYQ BJB, BKC, BLT, BRR BRS, BRU</b>	1896	● Golf, Caddy, Bora, Sharan Passat, Polo, Touran, Multivan Transporter, New Beetle	4	44-110 (60-150)	79,510	1,750 2,000 3,000		500 501 604	CrB Fe S Cr P IFU Cr P S	<b>R56 330 000</b> R56 330 050 R56 330 100	STD 0,50 1,00
<b>AJA</b>	2370	● T4, California	5	55 (75)							
<b>1600</b>	1588	● Golf, Scirocco, Jetta, Passat Audi 80, Audi 100	4	55-81 (75-110)	79,510	1,750 2,000 5,000		500 508 700	GrB Fe S IF P Cr P S	<b>R56 350 000</b> R56 350 050 R56 350 100	STD 0,50 1,00
<b>AAC</b>	1998	● T4	4	62 (84)	81,010	1,750 2,000 3,000		500 508 700	GrB Fe S IF P Cr P S	<b>R56 170 000</b> R56 170 050 R56 170 100	STD 0,50 1,00
<b>AAF, ACU</b>	2459	● T4, T4 Syncro Caravelle	5	81 (110)							
<b>AZV, BDJ, BDK, BKD BMM, BMN, BST</b>	1969	● Golf, Caddy, Jetta, Touran Eos 2.0 TDI	4	51-125 (69-170)	81,010	1,750 2,000 3,000		500 508 604	GrB Fe S IF P Cr P	<b>R56 400 000</b> R56 400 050 R56 400 100	STD 0,50 1,00
<b>AAC</b>	1998	● T4	4	62 (84)							
<b>AAF, ACU</b>	2459	● T4, T4 Syncro	5	81 (110)							
<b>DT, EZ, EW, JU, PN RF, ABN, EZA</b>	1595	● Golf, Jetta, Passat, Santana	4	51-55 (69-75)	81,010	1,500 1,750 3,000		500 508 700	CrB S IF P Cr P S	<b>R56 180 000</b> R56 180 050 R56 180 100	STD 0,50 1,00
<b>1P, 2H, DS, DX, DZ EV, GU, GX, GZ, HT HV, JH, JV, KR, KT PB, PF, PG, PL, RH RP, AAM, ABS, ADZ</b>	1781	● Golf, Jetta, Passat, Santana Sharan, Vento, Scirocco	4	66-118 (90-160)							
<b>AAC</b>	1998	● T4, California	4	62 (84)							
<b>JT, KM, KV, KX</b>	2226	● Passat, Quantum	5	77-98 (105-133)							
<b>AGZ, AQN, AZX</b>	2324	● Golf, Passat, Bora, Sharan	5	110-125 (150-170)							

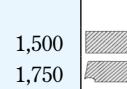
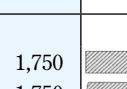
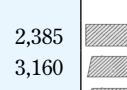
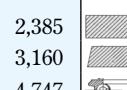
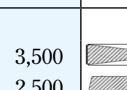
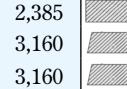
Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● VOLKSWAGEN</b>											
<b>AAF, ACU, AET, AEU APL, AVT</b>	2459	● T4, California	5	81-85 (110-115)							
<b>AAA, AES, AMV, AMY AQP, AUE, AYL, BDE</b>	2792	● Golf, Passat, Bora, Sharan California, Transporter	6	103-150 (140-204)							
<b>DT, EZ, EW, JU, PN RF, ABN, EZA</b>	1595	● Golf, Jetta, Passat, Santana	4	51-55 (69-75)	81,010	1,500 1,750 3,000	  	500 508 604	CrBSiF P Cr	<b>R56 190 000</b> R56 190 050 R56 190 100	STD 0,50 1,00
<b>1P, 2H, DS, DX, DZ EV, GU, GX, GZ, HT HV, JH, JV, KR, KT PB, PF, PG, PL, RH RP, AAM, ABS, ADZ</b>	1781	● Golf, Jetta, Passat, Santana Sharan, Vento, Scirocco	4	66-118 (90-160)							
<b>AAC</b>	1998	● T4, California	4	62 (84)							
<b>JT, KM, KV, KX</b>	2226	● Passat, Quantum	5	77-98 (105-133)							
<b>AGZ, AQN, AZX</b>	2324	● Golf, Passat, Bora, Sharan	5	110-125 (150-170)							
<b>AAF, ACU, AET, AEU APL, AVT</b>	2459	● T4, California	5	81-85 (110-115)							
<b>AAA, AES, AMV, AMY AQP, AUE, AYL, BDE</b>	2792	● Golf, Passat, Bora, Sharan California, Transporter	6	103-150 (140-204)							
<b>ADP, AEH, AEK, AFT AHL, AKL, ARM</b>	1595	● Golf, Passat, Bora, Polo Vento	4	74 (101)	81,010	1,200 1,500 2,000	  	500 508 700	NitBSiF P Nit S	<b>R56 370 000</b> R56 370 050 R56 370 100	STD 0,50 1,00
<b>AEB, AGU, ADR, AGN ARG, ARX, AUM, AUQ AWC, AWM, AWT</b>	1781	● Golf, Passat, Sharan 1.8	4	92-132 (125-180)	81,010	1,500 1,750 2,000	  	500 508 700	CrFeSiF P Nit S	<b>R56 380 000</b> R56 380 050 R56 380 100	STD 0,50 1,00

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● VOLKSWAGEN</b>											
<b>ACV, AGX, AHD, AHY</b> <b>AJT, ANJ, APA, AUF</b> <b>AVR, AXG, AXL, AYC</b> <b>AYY, BBE, BBF</b>	2461	● T4, California, LT 28, LT 35	4	55-110 (75-151)	81,010	2,500 2,000 3,000	  	500 501 604	Cr P P Cr P	<b>R56 410 000</b> R56 410 050 R56 410 100	STD 0,50 1,00
<b>BAC, BLJ, BLK</b>	2498	● Touareg, Transporter	5	120-128 (163-174)							
<b>BLK</b>	3198	● Phaeton	6	177 (241)							
<b>AYH</b>	4998	● Touareg	10	230 (313)							
<b>AHL, ALZ, ANA, ARM</b> <b>AVU, AYD, BFQ, BFS</b> <b>BGU, BSE, BSF</b>	1595	● Golf, Passat, Bora, Jetta Caddy, Touran, New Beetle 1.6	4	75 (102)	81,010	1,000 1,200 2,000	  	500 508 700	NitB S P Nit S	<b>R56 440 000</b> R56 440 050 R56 440 100	STD 0,50 1,00
<b>CDAB, CDAA</b>	1798	● CC 1.8 TSI, Passat CC 1.8 TSI Passat Alltrack 1.8 TSI Sharan 1.8 TSI, Passat 1.8 TSI Passat Variant 1.8 TSI	4	118 (160)	82,510	1,200 1,200 2,000	  	500 508 700	NitB S IF P Nit S	R56 120 000 R56 120 050	STD 0,50
<b>CCZA</b>	1984	● Beetle 2.0 TSI, Jetta IV 2.0 TSI Beetle Cabriolet 2.0 TSI Golf VI Variant 2.0 TSI Passat CC 2.0 TSI Sharan 2.0 TSI	4	147 (200)							
<b>3A</b>	1984	● Audi 80, 90	4	85 (116)	82,510	1,500 1,500 2,000	  	500 501 700	Cr S IF P IF Cr P S	<b>R56 210 000</b> R56 210 050 R56 210 100	STD 0,50 1,00
<b>ABF, ADY, AGG, AKR</b> <b>AEG, APK, AQY, ALT</b> <b>ATM, AZJ, AZM</b>	1984	● Golf, Jetta, Vento, Bora Passat, Sharan, New Beetle	4	85-95 (115-129)	82,510	1,200 1,500 2,000	  	500 501 700	NitB S IF P Cr P S	<b>R56 220 000</b> R56 220 050 R56 220 100	STD 0,50 1,00
<b>AXX, BWA,</b>	1998	● Golf, Jetta, Vento, Bora Passat, Eos	4	147 (200)							
<b>ACK, ALG, AMX, APR</b> <b>AQD</b>	2771	● Passat, Santana	6	142 (193)							
<b>1900E</b>	1847	● Audi 80	4	83 (113)	82,510	1,500 1,750 3,000	  	500 508 700	CrFeS IF P Cr P S	<b>R56 230 000</b> R56 230 050 R56 230 100	STD 0,50 1,00
<b>7A</b>	2309	● Passat, Audi 80, 90, 100	5	98 (133)							

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● VOLKSWAGEN</b>											
7A	2309	● Audi 90, 100, Coupe, Quattro	5	125 (170)	82,510	1,200 1,750 3,000		500 508 700	NitB S IF P Cr P S	<b>R56 240 000</b> R56 240 050 R56 240 100	STD 0,50 1,00
ALT	1984	● Passat 2.0, Passat Variant 2.0	4	96 (130)	82,510	1,200 1,500 2,000		500 508 604	NitB S IF P Nit S	<b>R56 260 000</b> R56 260 050	STD 0,50
CAWA, CAWB CCTA	1984	● Tiguan 2.0 TFSI	4	125 (170)							
CAWB, CCTA CBFA, CCTA CCTB	1984	● Scirocco 2.0 TSI, Eos 2.0 TFSI Passat CC 2.0 TSI Passat 2.0 FSI, Beetle 2.0 TSI Golf V 2.0 GTI, Jetta IVC 2.0 TSI Golf V Variant 2.0 Jetta III 2.0 TFSI	4	147 (200)							
CDLC, CDLF CDLG, CRZA	1984	● Golf VI 2.0 R 4motion	4	188-199 (256-270)							
CHHA, CHHB CNTA, CULA CULC	1984	● Golf VII 2.0 GTI Golf VII 2.0 TSI Scirocco 2.0 TSI	4	132-169 (180-230)	82,510	1,200 1,200 2,000		500 508 604	NitB S IF P Nit S	R56 390 000 R56 390 050	STD 0,50
CDA DOHC	1798	● Golf 1.8	4		82,510	1,000 1,200 1,500		500 501 700	CrB S P IFU Cr P S	R56 470 000 R56 470 050	STD 0,50
AZZ, AXJ, AYT, BDL BFH, BKJ, BFB, BHE BAA, BKK, BKL, BML BMV, BMX, BRK	3189	● Touareg, Phaeton, Multivan Beetle, Golf	6	162-177 (220-241)	84,000	1,200 1,500 2,000		500 501 700	NitB S IF P IF Cr P S	<b>R56 250 000</b> R56 250 050 R56 250 100	STD 0,50 1,00
211	1584	● Transporter 1600, Micro Bus 181, 245, 247, 251, 253, 255 261, Clipper, 1200	4	32-37 (44-50)	85,510	1,750 2,000 5,000		501 508 604	P P P	<b>R56 420 000</b> R56 420 050 R56 420 100	STD 0,50 1,00
311 AD, AS	1584	● 1200, 1300, 1303, 1500, 1600 T2	4	37 (50)	85,510	2,000 2,000 5,000		501 508 604	P P P	<b>R56 430 000</b> R56 430 050 R56 430 100	STD 0,50 1,00
W	1679	● 411 E, 412 E	4	59 (80)	90,000	2,000 2,000 5,000		500 506 604	Cr P IF P P	<b>R56 270 000</b> R56 270 050 R56 270 100	STD 0,50 1,00

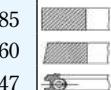
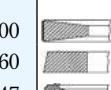
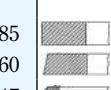
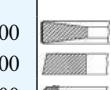
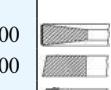
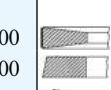
Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● VOLKSWAGEN</b>											
AP, AT	1795	● T2 412, 914	4	50-55 (68-75)	93,000	2,000 2,000 4,000		500 508 604	Cr P P Cr P	<b>R56 280 000</b> R56 280 050 R56 280 100	STD 0,50 1,00
AGK, ATA, AUH, BCQ	2799	● LT 28 D, LT 35 D, LT 46 D	4	92-116 (125-158)	93,000	2,500 2,000 3,000		504 508 604	Cr P IW P IWU Cr P	<b>R56 460 000</b> R56 460 050	STD 0,50
DF, DG, DH, DW	1915	● T2	4	44-66 (60-90)	94,000	1,750 2,000 4,000		501 508 604	P P P	<b>R56 290 000</b> R56 290 050 R56 290 100	STD 0,50 1,00
GD, GE, GJ	1970	● T2	4	51 (70)							
DJ, MV, SS, SR BMM, BMN, BST	2109	● T2 Syncro, Caravelle	4	64-82 (87-112)	94,000	1,750 2,000 3,500		501 508 603	Cr P P P	<b>R56 300 000</b> R56 300 050	STD 0,50

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● VOLVO</b>											
<b>B 10E</b>	1108	● 66 DL	4	33 (45)	70,000	1,750 2,000 3,500		500 501 700	Cr S IF P Cr P S	<b>R57 060 000</b>	STD
<b>B 13E</b>	1289	● 66 GL	4	42 (57)	73,000	1,750 2,000 4,000		500 508 700	Cr S P Cr P S	<b>R57 150 000</b>	STD
<b>DLD</b>	1560	● C 30, S 40, V 50 1.6D	4	80 (110)	75,000	3,000 1,950 2,500		505 508 604	Cr P P Cr P	<b>R57 170 000</b> R57 170 060	STD 0,60
<b>B 14 B 140E</b>	1397	● 340, 343, 345	4	46-51 (63-70)	76,000	1,750 2,000 4,000		500 508 700	Cr S IF P Cr P S	<b>R57 220 000</b>	STD
<b>D 24 D 24 TD D 24 TIC</b>	2383	● 240, 244, 245, 740 760, 940, 945, 960 780, 960, 980	6	60-95 (82-129)	76,510	1,750 2,000 3,000		500 501 604	CrB Fe S P IFU Cr	<b>R57 230 000</b> R57 230 050 R57 230 100	STD 0,50 1,00
<b>D 16</b>	1596	● 340, 360	4	40 (55)	78,000	2,000 2,000 3,000		500 501 604	Cr S P Cr	<b>R57 240 000</b> R57 240 050 R57 240 100	STD 0,50 1,00
<b>D 4192 T</b>	1870	● S 40 1.9 TD	4	66 (90)	80,000	2,500 2,000 3,000		504 501 604	Cr P IF P Cr P	<b>R57 270 000</b>	STD
<b>D 4192 T</b>	1870	● S 40 1.9 TD	4	66 (90)	80,000	2,500 2,000 3,000		500 501 604	MoB N IF P IFU Cr P	<b>R57 280 000</b>	STD
<b>B 5234 FT</b>	2319	● 850 T5, S 70	5	166 (225)	81,010	1,500 1,750 3,000		500 508 700	Cr B S IF P Cr P S	<b>R57 290 000</b>	STD
<b>B 172 K B 18 E, ED, EP B 18 F, FP B 18 KP, KPD F 3 N, F 3 N-230</b>	1721	● 340, 360 440, 460, 480	4	60-80 (82-109)	81,010	1,750 2,000 3,000		500 508 700	Cr B S IF P Cr P S	<b>R57 380 000</b>	STD
<b>D 5252 T</b>	2461	● 850 TDI, S 70, V 70	5	103 (140)	81,010	2,500 2,000 3,000		500 501 604	Cr P P Cr P	<b>R57 390 000</b> R57 390 050 R57 390 100	STD 0,50 1,00

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● VOLVO</b>											
<b>B 18 U</b>	1784	● 440, 460	4	66 (90)	82,700	1,500 1,750 3,000		500 501 700	CrB Fe S IF P Cr P S	<b>R57 400 000</b> R57 400 050	STD 0,50
<b>B 20 F F 7 R</b>	1998	● 440, 460	4	81 (110)							
<b>B 5252</b>	2435	● 440, 460, 480, 850, 960	4	105 (143)	83,000	1,500 1,750 3,000		500 508 700	CrB Fe S IF P Cr P S	<b>R57 000 000</b> R57 000 040	STD 0,40
<b>B 6304 F</b> <b>B 6304 G</b>	2922	● 960, S 90, V 90	4	150 (204)							
<b>B 200 ET, K, KE</b>	1986	● 240, 360	4	75-118 (102-160)	88,910	1,750 1,750 3,500		500 508 603	Cr P P P	<b>R57 210 000</b> R57 210 015 R57 210 030	STD 0,15 0,30
<b>B 204 FT</b>	1991	● 940, 960	4	140 (190)							
<b>D 50 A, B</b> <b>TD 50 A, B</b>	5100	● F 84, F 85, B 54, N 84	6	78-121 (107-165)	95,250	2,385 3,160 3,160 4,747		500 501 501 604	Cr P P P Cr P	<b>R57 140 000</b>	STD
<b>B 23 A</b> <b>B 23 E, ET</b> <b>B 23 F, FT</b> <b>B 230 FT</b> <b>MB 23</b>	2316	● 240, 244, 245 740, 760 760 T, 760 (USA)	4	77-127 (104-173)	96,000	1,750 2,000 4,000		500 508 604	Cr Fe S IF P P	<b>R57 160 000</b>	STD
<b>D 60</b> <b>TD 60 A, B</b> <b>TD 60 C, D, DG</b> <b>TAMD 60 C</b> <b>TD 61 A, ACE</b> <b>TD 61 F, G, GS</b> <b>TD 610 G</b> <b>TWD 610 G</b>	5480	● B 609 Tractor, F 607, F 609 F 610, F 611, F 612, F 613 F 614, F 616, F 617 FL 614, FL 616 B 6 F, 680, 846	6	84-152 (115-207)	98,430	2,385 3,160 4,747		500 501 604	Cr IF P Cr P	<b>R57 010 000</b>	STD
<b>D 6 A.230 Euro 2</b> <b>D 6 A.250 Euro 2</b> <b>TD 63</b>	5480	● FL 608, FL 611, FL 612, FL 613 FL 614, FL 618, FL 619, L 704	6	132-154 (231-252)	98,430	3,500 2,500 3,500		504 501 604	Cr P IF P IFU Cr P	<b>R57 350 000</b>	STD
<b>D 70 A</b> <b>D 70 B</b> <b>MD 70 B</b>	6700	● F 86, N 86 Marine	6	106-110 (144-150)	104,775	2,385 3,160 3,160 4,747 4,747		500 501 501 604 600	Cr P P Cr P P	<b>R57 020 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● VOLVO</b>											
D 70 A D 70 B MD 70 B	6700	● F 86, N 86 Marine	6	106-110 (144-150)	104,775	2,385 3,160 3,160 4,747 4,747	    	500 501 501 P P	Cr P Cr P P P	<b>R57 360 000</b>	STD
TD 70 A, B, C TD 70 F, FS, G TMD 70 B	6700	● F 7, N 7, F 86, N 86, FB 86 F 716T, F 720, F724 B 54, B57	6	136-180 (185-245)	104,775	2,385 3,160 3,160 4,747	   	500 501 501 604	Cr P P Cr P	<b>R57 030 000</b>	STD
D 70 CHC, CRC MD 70 C TAMD 70 C TMD 70 C	6730	● Marine	6	102-147 (139-200)							
TD 70 E, ES TD 70 H, HA TD 71 A TDF 71 F TD 71 FS, FSQ TD 73 G, E	6700	● F 7, F 86, TF 86T, N 725, TN 7 TF 86 DTC, B 57	6	155-180 (210-245)	104,775	2,385 3,160 4,747	  	500 501 604	Cr P P Cr P	<b>R57 180 000</b>	STD
TD 73 E, ES	6700	● FS 7-34, FS 7-54, FS 7-38 FS 7-52, FL 7-38, FL 7-52	6	169-191 (230-260)	104,775	3,000 2,500 4,000	  	504 508 604	Cr P P Cr P	<b>R57 190 000</b>	STD
TAMD 71 TAMD 71 B	6724	● Marine	6	110-262 (150-357)							
D 7 A D 7 B	6700	● FL 7, FL 290, B 7 R	6	210 (285)	104,775	3,500 2,500 3,500	  	504 508 604	MoBN IF P IFU Cr P	<b>R57 300 000</b>	STD
TD 42 TD 45			4		105,575	2,385 3,160 3,160 4,747	   	500 501 508 604	Cr P IF P Cr P	<b>R57 040 000</b>	STD
D 1113	3780	● Tractor 218, 350, 614, 620	3	41 (56)	111,125	2,385 3,160 3,160 4,747	   	500 501 501 604	Cr P IW P P P	<b>R57 200 000</b>	STD
D 1114	5040	● BM 470, BM 650	4	55 (75)							
D 9 A Euro 3	9364	● FM 9, FM 9/260 /300 /340 /380	6	191-283 (265-385)	120,000	4,000 3,000 4,000	  	504 501 604	MoBN IW P IFU Nit S	<b>R57 310 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● VOLVO</b>											
<b>D 100 A, B</b> <b>HD 100 A</b> <b>MD 100 B</b> <b>TD 100 A</b> <b>THD 100 A, D</b> <b>TMD 100 A</b> <b>THD 101 B</b>	9600	● N 10, N88, F 88 LN 88, LF 88, NB 88, FB 88 B 10, B 58, B 59 300 CH, 400 CH	6	122-191 (166-260)	120,650	2,380 3,160 3,160 4,747		500 501 501 604	Cr IF P P Cr	<b>R57 050 000</b>	STD
<b>TD 100 B, BG</b> <b>TD 100 F, G, GA</b> <b>THD 100</b> <b>TD 101 F, FA, FD</b> <b>TD 101 G, GA</b> <b>THD 101 G, GC, GD</b> <b>THD 101 K, KB, KC</b> <b>THD 102, KA, KB, KF</b> <b>TMD 102 A, C</b> <b>THD 102 KE</b>	9600	● N 10, F 10, F 88, FB 88 B 10 M/R, B 10 M GAB C 10 M 400 CH	6	160-228 (218-310)	120,650	2,380 3,160 4,747		500 501 604	Cr IF Cr PIW Cr P	<b>R57 070 000</b>	STD
<b>TD 102 F, FD, FDQ</b> <b>TD 102 FF, FH</b> <b>TD 102 FL, FM</b> <b>TD 102 KD</b>	9600	● N 10, F 10, FL 10 B 10 M	6	234-252 (318-343)	120,650	3,000 3,160 4,747		500 501 604	Cr P PIW Cr P	<b>R57 080 000</b>	STD
<b>TD 103 KB, KF</b> <b>Euro 1</b> <b>TD 103 E, EA, ES</b> <b>Euro 2</b>	9600	● B 10 M F 10, NL 10, FL 10, FS 10	6	210-235 (285-320)	120,650	3,500 3,160 4,747		504 501 604	Cr P IF Cr P IW Cr P	<b>R57 090 000</b>	STD
<b>D 120</b>	12000	● F 88, F 89	6	176 (240)	130,180	2,385 3,160 3,160 4,747		500 501 501 604	Cr P P P Cr P	<b>R57 100 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring						
			No	(HP)	Diam	Height	Type	Set No.	Size		
<b>● VOLVO</b>											
TD 120 A, C, D, E TD 120 F, FC, G, GA TAD 120 BHC TMD 120 A TAMD 120 A TD 121 F, G, GD TAD 121 CHC TMD 121 C TAMD 121 C, D TD 122 F, GA, GH TD 122 FH, FL TMD 122 A TMD 122 GB, KBE TAMD 122 A	12000	● N12, F12, F 89 CH 230 Industry Marine	6	217-310 (295-420)	130,180	2,385 3,160 4,747		500 501 604	Cr Cr P Cr P	<b>R57 110 000</b>	STD
TID 121 KB, KG, KP TID 121 LB, LG, LP	11979	● Industry	6	217-305 (295-415)	130,180	3,500 3,160 4,747		504 501 604	Cr P Cr IW Cr P	<b>R57 120 000</b>	STD
TD 120 A, C, D, E TD 120 F, FC, G, GA TAD 120 BHC TMD 120 A TAMD 120 A TD 121 F, G, GD TAD 121 CHC TMD 121 C TAMD 121 C, D TD 122 F, GA, GH TD 122 FH, FL TMD 122 A TMD 122 GB, KBE TAMD 122 A	12000	● N12, F12, F 89 CH 230 Industry Marine	6	217-310 (295-420)	130,180	2,385 3,160 4,747		500 501 604	Cr P P IW Cr P	<b>R57 320 000</b>	STD
D 12 A Euro 2	12100	● FH 12	6	250-309 (340-420)	131,000	4,000 3,000 4,000		504 501 604	MoN IF P IWU Nit S	<b>R57 330 000</b>	STD
D 13	12800	● VN, VHD	6	275-368 (375-500)	131,000	3,500 2,500 3,000		504 501 604	Cr P IF Cr P IFU Nit S	<b>R57 370 000</b>	STD
TD 162 AG, FL TAMD 162 TXD 162 TD 163 AG, AP	16120	● F 16 Marine	6	217-405 (295-551)	144,000	4,000 3,500 5,000		504 501 604	Cr P IW Cr P Cr P	<b>R57 250 000</b>	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring				
			No	(HP)	Diam	Height	Type	Set No.	Size

● VOLVO

D 16 A	16100	● FH 16	6	346-382 (470-520)	144,000	4,500 3,500 5,000	  	504 501 604	Cr PIW P IF Cr P	R57 260 000	STD
TD 162 F, FL, FS TAMD 162	16120	● F 16	6	342-356 (465-485)	144,000	3,000 3,500 5,000	  	500 501 604	Cr P Cr PIW Cr P	R57 340 000	STD

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	

## ● COMPRESSOR

LP 48		● DAF 1160 WS Bosch	1 2		75,000	2,000 2,000 4,000	  	508 508 605	P P P	R99 050 000 R99 050 050 R99 050 100	STD 0,50 1,00
15 W 37, WB 15 WB 31, W 31 15.5 W 37		● Westinghouse Scania	2		75,000	2,385 2,385 3,947	  	501 508 605	P P P	R99 090 000 R99 090 050 R99 090 100	STD 0,50 1,00
AC 67 A AC 75, AC 79		● Marelli	2		80,000	2,000 2,000 4,000	  	508 508 605	P P P	R99 110 000 R99 110 050 R99 110 100	STD 0,50 1,00
D 2530, D 2538 D 2555, D 2556 D 2566		● Westinghouse MAN	1		90,000	2,500 2,500 4,000	  	508 508 604	P P P	R99 150 000 R99 150 050 R99 150 100	STD 0,50 1,00
OM 401, OM 402 OM 403, OM 404 OM 407, OM 409		● Westinghouse Mercedes	1								
2524		● 2524 NHDD	1		80,000	2,500 2,500 4,000	  	508 508 605	P P P	R99 220 000 R99 220 050 R99 220 100	STD 0,50 1,00
OM 447 OM 501, OM 502		● Mercedes	1		100,000	2,500 2,500 3,000	  	508 508 605	Cr P P P	R99 300 000 R99 300 050 R99 300 100	STD 0,50 1,00
D 2840		● MAN	1								
LP 4845		● Knorr MIDR 0623.06 MIDR 0620.45	2		78,000	2,500 2,500 4,000	  	508 508 605	P P P	R99 310 000 R99 310 050 R99 310 100	STD 0,50 1,00
ACX 82		● Knorr Iveco Euro Trakker 370 Iveco Euro Trakker 420	2		82,000	2,500 2,500 4,000	  	508 508 605	P P P	R99 320 000 R99 320 050 R99 320 100	STD 0,50 1,00
NHDD D 2066		● NHDD 3230 Ford ● MAN TGA Series	1 1		92,000	2,500 2,500 4,000	  	501 508 605	P IF P P	R99 350 000 R99 350 050 R99 350 100	STD 0,50 1,00

Engine Type	CC	Vehicle Model Chassis Type	Cyl.	kW	Piston Ring					
			No	(HP)	Diam	Height	Type	Set No.	Size	
<b>● COMPRESSOR</b>										
825, 1160		● Westinghouse, DAF	2		85,000	2,000 2,000 4,000	508 508 605	P P P	R99 370 000 R99 370 050 R99 370 100	STD 0,50 1,00
OM 457, 0 403		● Westinghouse, Mercedes								
LK 3904		● Knorr	1		88,000	2,500 2,500 4,000	508 508 605	P IF P P	R99 380 000 R99 380 050 R99 380 100	STD 0,50 1,00
OM 366, D 08		● Mercedes, MAN	1							
D 2840		● MAN	1		100,000	2,500 2,500 4,000	508 508 605	P P P	R99 390 000 R99 390 050 R99 390 100	STD 0,50 1,00
OM 501, OM 402		● Mercedes	1							
Cursor 10-13		● Knorr Iveco Euro Trakker	1		86,000	2,000 2,000 3,000	501 508 605	P IF P P	R99 400 000 R99 400 050 R99 400 100	STD 0,50 1,00

### 3. NEW Hologram Sticker

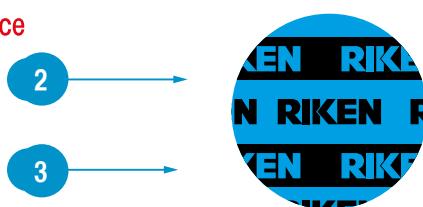
Location of the hologram stickers on the package

A) Only NEW hologram sticker is put on the package.

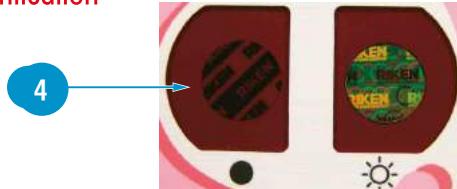


Features of NEW hologram sticker

Appearance



Viewer verification



1 UPPER LEFT: NEW hologram Sticker

2 The Color of Package can be seen in transparent area.

3 Company logo "RIKEN" and stripes can be seen.

4 Only company logo "RIKEN" and stripes can be seen.

## 4. Examples of Piston Ring Trouble

### Deterioration of Lubrication Oil, Excess Heat, etc.



Piston and Piston Ring Scuffing



Scuffed Surface of Cylinder Liner



Typical Piston Ring Running Surface After Engine Operation



Scuffed Running Face of Piston Ring



Piston Ring Sticking



Accumulated Carbon Deposit on Piston Ring Side face



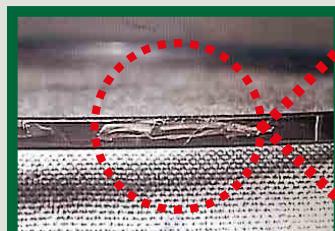
Aluminum Micro-Welding on Piston Ring Side Face



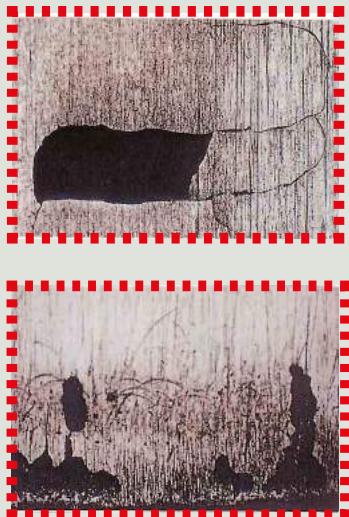
Piston Ring Breakage Caused By Excessive Piston Groove Wear



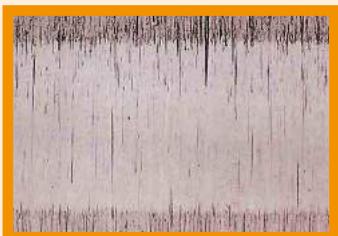
Piston Ring Breakage



Coating Flaking of Piston Ring Running Face



## Foreign Particle Contamination



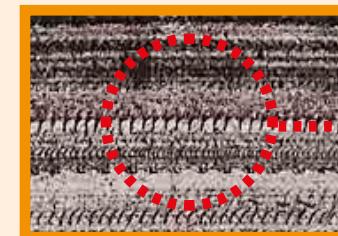
Typical Piston Ring Running Face After Engine Operation



Scratch Marks on Piston Ring Running Face Caused By Foreign Particles



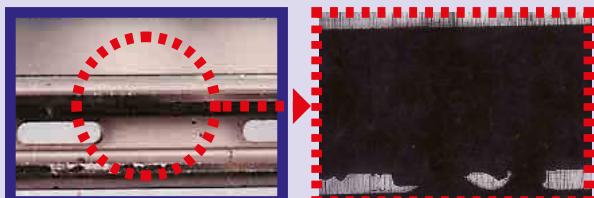
Foreign Particles Stuck on Piston Ring Running Surface



Chain Marks Due to Foreign Particles on Piston Ring Side Face



## Improper Assembly



Oil Ring Rail Chipping Caused by Improper Assembly

## Corrosion



Piston Ring Side Face Corrosion

# MEMO

Date \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

## 5. Corporate Outline

# Rational production systems give birth to high quality products

We have developed a comprehensive production system to provide products that fully respond to the needs of users.

At our three main production centers, the Kashiwazaki plant and the Tsurugi plant in Niigata and the Kumagaya plant in Saitama, very early on we installed production control systems and factory automation systems using automatic handling equipment, numerically controlled machines, automatic inspection equipment and computer systems. We use the latest machining equipment with specialized lines for each product group and we have achieved high quality, low cost and short production time through our highly rationalized production systems. The thorough total quality control (TQC) system utilizes our in company developed evaluation technology and our users place a high degree of confidence in our products. We take very thorough measures to ensure the preservation of the environment and maintain a harmonious relationship with local communities.

### ■Kashiwazaki Plant

Address : 1-37 Hokutocho, Kashiwazaki,  
Niigata, 945-8555

Plant site area : 293,304m<sup>2</sup>

Products : Engine parts such as piston rings, other parts for automobiles, construction machinery, industrial equipment, hydraulic and pneumatic compressors and nuclear plants.



### ■Tsurugi Plant

Address : 949-1 Aza Shimosakai, Oasa Tsurugi,  
Kashiwazaki, Niigata, 945-0105

Plant site area : 56,700m<sup>2</sup>

Products : Steel piston rings

### ■Kumagaya Plant

Address : 4-14-1 Suehiro, Kumagaya,  
Saitama, 360-8522

Plant site area : 153,825m<sup>2</sup>

Products : Valve system parts, pipe fittings, industrial furnaces, electric heating wires, refractory products, waste incinerators, magnetic and electromagnetic wave shield materials, etc.



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