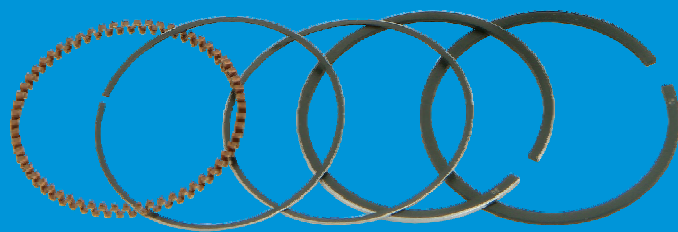


INNOVATION FOR EXCELLENCE

Temco



PISTON RING

APPLICATION GUIDE

2007

*OE Quality Replacement
Advanced Engineering*



WWW.CARWIN.CN

1、 Piston Ring Material

Dci	Ductile Cast Iron
Aci	Alloy Cast Iron
F14	High Alloy Iron F14
Steel	Alloy Spring Steel、 Heat Resistant、 Cabon Steel

2、 Surface Treatment

Cr1	Surface Chromium Plating
Cr2	Surface And Insert Chromium Plating
Cr3	Side And Insert Chromium Plating
Cr4	Chromium Insert
CrP	Chromium Phosphoric Treatment
P	Phosphoric Treatment
N	Nitric Treatment
Mo	Sprayed Molybdenum
Sib	Sand Blasting
Ox	Oxidizing Treatment
Tin	Tinning

3、 Ring Type

T	Keystone Ring 6°/15
B	Barrel Faced Ring
T-B	Keystone And Barrel Faced Ring
R	Rectangular Ring
R-B	Rectangular And Barrel Faced Ring
ET	Half Keystone Ring
M	Taper Faced Ring
N	Napier Ring
NM	Taper Faced Napier Ring
T-M	Keystone And Taper Faced Ring
IF	Inside Bevel Ring
IW	I Step Ring
IWU	Inside Step Bottom Side
IFU	Inside Bevel Bottom Side
KT	Keystone Torsional Ring(20°)
G	Groove

DSF	Double-bevelled
SSF	Coil Spring Loaded Slotted Oil Control Ring
F-V	Flex-Ent
S	Slotted Oil Ring
G	Double-bevelled Control Ring
D	Bevelled-edge Oil Control Ring
FM	Steel Ring
SLF	Multi-piece Strll-Rail Oil Control Ring

EXPERTISE LEAD EXCELLENCE
Temco
WWW.0086PARTS.COM

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
ASIA											
Towner	CD800 JADE	800	70.00	3	1	1.2	Steel	N	B-IW	AA100-11-120	CA-070511
					2	1.5	ACI	P	IF		CA-070512
					0	2.8	Steel	N	SLF		CA-070513
	EM100	9419	124.00	6	1	2.806	Steel	Cr1	T-B	EA1522-2010AS	CA-124511
					2	2.5	ACI	Cr1	IW		CA-124512
					3	3	ACI	Cr1	IWU		CA-124513
					0	5	Steel	N	FM		CA-124514
BMW											
325i 525iZ1	M20B25	2500	80.00	6	1	1.5	DCI	CrP	ET	08-126500-00(GOETZE)	CB-080511
					2	1.75	ACI	P	NM		CB-080512
					0	3	ACI	P	DSF		CB-080513
315 / 316 / 318	M10B16V	1600	84.00	4	1	1.75	DCI	CrP	ET	08-128200-10 (GOETZE)	CB-084531
					2	2	ACI	P	NM		CB-084532
					0	4	Steel	Cr	SLF		CB-084533
535i / 635 / 735i	M30B35L	3400	84.00	4	1	1.75	DCI	Mo P	ET		CB-084541
					2	2	ACI	Mo P	NM		CB-084542
					0	4	Steel	Cr P	SLF		CB-084543
CATERPILLAR											
D330 / D333	D4C10 TRACTIR GRAD-ER PIPER LAYER		114.30	4	1	3.16	ACI	CrP	R		CC-114531
					2	2.38	ACI	CrP	R		CC-114532
					0	5.55	ACI	CrP	DSF		CC-114533
3306	LOADER TRACTOR SKI-DDER GRADER	7000	120.65	4	1	3.16	ACI	Cr	R		CC-120541
		10500			2	3.16	ACI	Cr	M		CC-120542
					6	0	5.55	ACI	Cr		DSF
D339 / D342	D7,13A, 14A,15A		146.05	4	1	3	ACI	Cr	R		CC-146521
					2	3	ACI	Cr	M		CC-146522
					6	0	3.18	ACI	Cr		DSF

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code	
CUMMINS												
	6BT		102.00	6	1	3	DCI	Cr1	T-B	3802230	CC-102511	
					2	2.35	ACI	P	IF		CC-102512	
					O	4	ACI	Cr1	DSF		CC-102513	
	6CT		114.00	6	1	3.5	DCI	Cr1 SiB	IW-B	3802429	CC-114511	
					2	3	ACI	P	IWU		CC-114512	
					O	4	ACI	Cr1	DSF		CC-114513	
	NH220		130.18	6	1		DCI	Cr1	T-B	AR12098 PC-6620-31-2020	CC-130611	
					2		DCI	Cr1	IF		CC-130612	
					O		ACI	Cr1	DSF		CC-130613	
	NH250 NT855		139.70	6	1	3.9	DCI	Mo	T-B	AR3801056	CC-139521	
					2	3	DCI	P Cr1	KT20		CC-139522	
					3	3	DCI	P	T-M		CC-139523	
					8	O	4.75	ACI	Cr2 P		F-V	CC-139524
	VT903		139.70	V8	1	3.9	DCI	Cr1	T-B		CC-139531	
					2	3	DCI	P Cr1	KT20		CC-139532	
					O	4.75	ACI	Cr2 P	F-V		CC-139533	
	K19		158.75	6	1	3.75	DCI	Cr1 P	T-B	3631248	CC-158511	
					2	3.75	DCI	Cr1 P	T-IF		CC-158512	
					0	4.75	ACI	Cr1 P	DSF		CC-158513	
DAEWOO												
Tico Matiz	F8B SSS80F8CV	600	68.50	3	1	1.2	Steel	N	B	12141-78B00	CD-068551	
					2	1.5	ACI	P	M		CD-068552	
					0	2.8	Steel	N	SLF		CD-068553	
Lanos Espero Nexia	C14L V15L	1500	76.50	4	1	1.5	ACI	Gr	B	NP960	CD-076581	
					2	1.5	ACI	Fe	NM		0.25:NP1015	CD-076582
					O	3	Steel	Cr	SLF		0.50:NP1016	CD-076583
	DV15T		128.00	8	1	3.306	DCI	Cr P	T-B	65.02503-8252	CD-128511	
					2	3.306	ACI	Cr P	NM		CD-128512	
					0	5	ACI	Cr P	DSF		CD-128513	

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
DAF											
F1800 FM2000 F2200 F2300	DH825	8400	118.00	6	1	3.5	ACI	CrP	T-B	12141-78B00	CD-118541
					2	3	ACI	CrP	M		CD-118542
					3	3	ACI	P	M		CD-118543
					0	6	ACI	CrP	DSF		CD-118544
FA75 FAG75 FAR75 FT75	RS180 RS200 RS222	8700	118.00	6	1	3.5	ACI	CrP	T	NP960	CD-118551
					2	3	ACI	CrP	M	0.25:NP1015	CD-118552
					O	4	ACI	CrP	DSF	0.50:NP1016	CD-118553
F3300 F3305 F3325 F3603	DKZ1160 ATJ	11600	130.00	6	1	3.16	ACI	Cr	T	65.02503-8252	CD-130511
					2	3.16	ACI	Cr	M		CD-130512
					3	3.16	ACI	Cr	M		CD-130513
					0	6.34	ACI	Cr	DSF		CD-130514
F85-360 F85-360	WS	11600	130.00	6	1	4	Steel	PSP	T	NP960	CD-130521
					2	3.16	ACI	Cr	M	0.25:NP1015	CD-130522
					O	4	ACI	Cr	DSF	0.50:NP1016	CD-130523
DEUTZ											
Industrial	F4L911	2500	100.00	4	1	3	DCI	CrP	T-B	9-1529-00(SM)	CD-100541
					2	2.5	ACI	P	IFU		CD-100542
					O	5	ACI	CrP	DSF		CD-100543
D5506 D6006/A D8006/A	F6L912W	5652	100.00	6	1	2.5	DCI	Cr P	T-B	9-1526-00(SM)	CD-100551
					2	2.5	ACI	P	IW		CD-100552
					3	2.5	ACI	P	NM		CD-100553
					O	5	ACI	Cr P	DSF		CD-100554
Tractor	BF4L 913 TURO	4100	102.00	4	1	2.94	DCI	Mo P	T-B	9-1519-00(SM)	CD-102521
					2	3	ACI	P	T-M		CD-102522
					O	3.5	ACI	CrP	DSF		CD-102523
Industrial	F1L 514 FL614	7980	110.00	6	1	3	ACI	Cr P	R	9-1526-00(SM)	CD-110551
					2	3	ACI	P	ET		CD-110552
					3	3	ACI	P	NM		CD-110553
					O	6	ACI	P	DSF		CD-110554
					O	6	ACI	P	S		CD-110555
Industrial Tractor	F6L413	8500	120.00	6	1	3	DCI	Cr P	R	9-1526-00(SM)	CD-120511
					2	3	ACI	P	ET		CD-120512
					3	3	ACI	P	NM		CD-120513
					O	6	ACI	Cr P	DSF		CD-120514

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
DAIHATSU											
Mira Industrial	EB	500	62.00	3	1	1.2	ACI	Cr1	R	130121-87206	CD-062511
					2	1.5	ACI	P	R		CD-062512
					O	2.8	Steel	Cr1	SLF		CD-062513
Kancil Rusa Charade	EF	660	68.00	3	1	1.2	ACI	Cr1	R	13011-87E02	CD-068511
					2	1.5	ACI	P	R		CD-068512
					O	2.8	Steel	Cr1	SLF		CD-068513
Charade G10 EG10 CB10 CB20 CB50	CB	993	76.00	3	1	1.5	ACI	Cr1	R	13011-87701	CD-076551
					2	1.5	ACI	P	R		CD-076552
					O	2.8	Steel	Cr1	SLF		CD-076553
FIAT											
850T 900E	100GF GBC GF	900	65.00	4	1	1.75	Steel	Cr1	IF(B)	DA.2118(Cafap)	CF-065521
					2	2	ACI	P	NM		CF-065522
					O	3.94	Steel	Cr1	SLF		CF-065523
124 /128/ 241 Primula	124A/BL FA	1200	73.00	4	1	1.5	ACI	Cr	R-B	CA.2296(Cafap)	CT-073521
					2	2	ACI	N	NM		CT-073522
					O	3.95	ACI	Cr	DSF		CT-073523
126 / Panda	30CL / 30L 30super Personal650	652	77.00	2	1	1.5	ACI	Cr	R-B	CA.0489(Cafap)	CF-077511
					2	2	ACI	N	NM		CF-077512
					O	3.95	ACI	Cr	DSF		CF-077513
Uno	146B.000 B3.000	1367	78.00	4	1	2.5	ACI	Cr	T	DA.6263(Cafap)	CF-078511
					2	2	ACI	P	IFU		CF-078512
					O	3	Steel	Cr	SLF		CF-078513
124D 124E	131AE 132AB 132AC 132D	1995	84.00	4	1	1.5	Steel	Cr1	ET	DA.2885(Cafap)	CF-084521
					2	2	ACI	P	NM		CF-084522
					O	3.95	Steel		SLF		CF-084523
Scudo Ulysse	LOMBAR DINI LDA 510	2000	85.00	4	1	2	DCI	Cr1 P	R-B	CD.6447(Cafap)	CF-085511
					2	2	ACI	P	IF		CF-085512
					3	2	ACI	P	IF		CF-085513
					O	4	ACI	P	G		CF-085514
DUCATO ARGENTA	8140.61 8142.61	2500	93.00	4	1	3	DCI	Cr	R	DA.2885(Cafap)	CF-093571
					2	2	ACI	P	M		CF-093572
					O	4	ACI	Cr	DSF		CF-093573

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
FIAT											
ORSETTO BUS414	802 / 803 804 / 806	2500	95.00	4	1	2.5	DCI	Cr	R	DA.2885(Cafap)	CF-095601
					2	2.5	ACI	N	NM		CF-095602
					O	5.5	ACI	P	DSF		CF-095603
40NC 100NC 110NC	8045.02 8064.02	3455	100.00	4	1	2.5	DCI	Cr	R	DA.2885(Cafap)	CF-100561
					2	2.5	ACI	Fe	N		CF-100562
					6	O	5.5	ACI	P		DSF
FL10E FR10B	8065.05 8065.25	5861	104.00	4	1	2.5	DCI	Mo P	R	DA.2885(Cafap)	CF-104561
					2	2.5	ACI	N	NM		CF-104562
					6	O	4	ACI	Cr P		DSF
AD12 / BD12	8205.01	9200	120.00	6	1	3.5	ACI	Cr	T	DA.2885(Cafap)	CF-120581
					2	3	ACI	Cr	M		CF-120582
					O	5	ACI	Cr	DSF		CF-120583
190.36 240.36	8210.42	13798	137.00	6	1	4	DCI	Cr	T	DA.2885(Cafap)	CF-137581
					2	3	ACI	Cr	M		CF-137582
					O	5.5	ACI	Cr	DSF		CF-137583
MX300	8210.22	13798	137.00	6	1	4	DCI	Cr	T	DC.2701(Cafap)	CF-137521
					2	3	ACI	Cr	M		CF-137522
					3	3	ACI	N	NM		CF-137523
					O	5.5	ACI	Cr	DSF		CF-137524
180C / AD20 FE40	8215.02	13798	137.00	6	1	4	DCI	Cr	T	DC.2701(Cafap)	CF-137591
					2	3	ACI	Cr	M		CF-137592
					3	3	ACI	N	NM		CF-137593
					O	5.5	ACI	Cr	DSF		CF-137594
FD30 FR35	8285.02	17174	145.00	6	1	4	DCI	Cr	T-B	DA.2885(Cafap)	CF-145511
					2	3	ACI	Cr	M		CF-145512
					O	6	ACI	Cr	DSF		CF-145513

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
FORD											
Capri Granada Scorpio Sierra	TV28	2800	93.00	6	1	3	DCI	Cr	B	00798(MAHLE) 800006940000 (KS)	CF-093531
					2	2	ACI	Cr	NM		CF-093532
					O	4	ACI	Cr	DSF		CF-093533
Major Power Super	592E	3600	100.00	6	1	2.39	DCI	Cr	ET	42424220(PC) 42524220(PC)	CF-100561
					2	2.39	ACI	Cr	R		CF-100562
					3	2.38	ACI	Cr	N		CF-100563
					O	4.76	ACI	Cr	DSF		CF-100564
					O	4.76	ACI	Cr	S		CF-100565
D Series	590E	5416	100.00	6	1	2.39	ACI	P	ET	40215 STD-.010	CF-100571
					2	2.39	ACI	P	R		CF-100572
					3	2.38	ACI	N	NM		CF-100573
					O	4.75	ACI	P	DSF		CF-100574
					O	4.75	ACI	P	S		CF-100575
	F6600	4196	111.76	4	1	3.17	DCI	Cr	ET	40429660(PC)	CF-111511
					2	2.38	ACI	Cr	R		CF-111512
					3	2.38	ACI	Cr	NM		CF-111513
					O	4.75	ACI	Cr	DSF		CF-111514
	201cu.in. Diesel Eng.201DF		111.76	4	1	2.381	DCI	Cr1	R-B		CF-111521
					2	2.381	ACI	Cr1	IW		CF-111522
					3	2.381	DCI	P	IW		CF-111523
					O	4.763	ACI	Cr1 P	DSF		CF-111524
4830 5030	BSD442	3000	111.77	4	1	2.39	DCI	Cr P	R	08-202400- 10(GOETZE)	CF-111531
					2	2.39	ACI	P	R		CF-111532
					3	2.39	DCI	P	IW		CF-111533
					O	4.75	ACI	Cr P	DSF		CF-111534
HILLMAN											
Alpine	481QB	1725	81.53	4	1	1.98	DCI	Cr	B	CA.4043	CH-081571
					2	1.98	ACI	Cr	N		CH-081572
					0	4	ACI	Cr	DSF		CH-081573
AVENGER 1600CC	487QF	1600	87.33	4	1	2	DCI	Cr	B	CA2973	CH-087581
					2	2	ACI	N	NM		CH-087582
					0	4	ACI	Cr	DSF		CH-087583

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
HINO											
HV10 / HV10D HV11 / HV15 HV17D / HV98D	B	3000	95.00	4	1	2.5	DCI	Cr	ET		CH-095611
					2	2.5	ACI	Cr	IF		CH-095612
					O	4.5	ACI	Cr	DSF		CH-095613
HV48	3B/3BK	3400	102.00	4	1	2.5	DCI	Cr	R-B		CH-102591
					2	2.5	ACI	P	IF		CH-102592
					O	4.5	ACI	Cr	DSF		CH-102593
FB112 / FB114 FC111 / FC112 FC114 / FT112	W04D	4009	104.00	4	1	2.5	DCI	Cr	R-B	13011-1973 13011-2540	CH-104521
					2	2	ACI	Cr	IF		CH-104522
					O	5	ACI	Cr	DSF		CH-104523
AC140/FC144 FC145/FC146 FC148	W06D	5800	104.00	6	1	2.5	DCI	Cr	R-B	13011-1983	CH-104531
					2	2	ACI	Cr	IF		CH-104532
					O	5	ACI	Cr	DSF		CH-104533
FD162/FD164 FD165/FD166 FD168/RR192	HO6C	6486	108.00	6	1	2.8	DCI	Cr	T-B	13011-1961	CH-108511
					2	2.5	ACI	Cr	IF		CH-108512
					3	2.5	ACI	N	NM		CH-108513
					O	5	ACI	Cr	DSF		CH-108514
BX/FD FE/FF KG/KR/KL LB/RJ/ RC	EH700	6400	110.00	6	1	3	DCI	Cr	R-B	13011-2070A 13011-2090	CH-110531
					2	2.5	ACI	Cr	IF		CH-110532
					3	2.5	ACI	Cr	NM		CH-110533
					O	5	ACI	Cr	DSF		CH-110534
FD171/FD172 FE172/FE173 FE174/FE175 GD172/GD174	H07C	6700	110.00	6	1	3	DCI	Cr1	R-B	13011-2672A	CH-110541
					2	2.5	ACI	Cr4	IF		CH-110542
					3	2.5	ACI	Cr1	NM		CH-110543
					O	5	ACI	N	DSF		CH-110544
KB100-KB380	EB100	9000	115.00	6	1	3	DCI	Cr1	R-B	13011-2960A	CH-115571
					2	2	ACI	Cr4	IF		CH-115572
					O	4	ACI	Cr1	DSF		CH-115573
BG KA TC ZM	DK10KV	10200	120.00	6	1	3.306	DCI	Cr1	T-B	13011-2370A	CH-120521
					2	3	ACI	Cr1	IW		CH-120522
					3	2.5	ACI	Cr1	IWU		CH-120523
					O	5	ACI	N	DSF		CH-120524
BY320/BY420 FH228/NE225 NE221/NE227 NH221/NH225	EM100	9419	124.00	6	1	2.806	DCI/ST.	Cr1 Ox	T-B	13011-1921	CH-124521
					2	3	ACI	Cr1	IF		CH-124522
					3	3	ACI	Cr1	IWU		CH-124523
					O	5	ACI	N	DSF		CH-124524

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
HINO											
Bus Blue ribbon HU	M10U	9880	127.00	6	1	3.306	DCI	Cr1	T-B	13011-2250A	CH-127511
					2	3	ACI	Cr1	IF		CH-127512
					3	3	ACI	M	IWU		CH-127513
					O	5	ACI	Cr1	DSF		CH-127514
Trck/KB500D KS320 ZM102 RV530P 550P Tractor/WG300 HF350	EF500 EG100	14886	135.00	8	1	3.306	DCI/ST.	Cr1 P/Ox	T-B	13011-1131	CH-135531
					2	3.5	ACI	P	IF		CH-135532
					3	3.5	ACI	Cr1	IWU		CH-135533
					O	6	ACI	Cr1	DSF		CH-135534
Truck FS,FR,FN,SH	EF550	16250	135.00	8	1	3.306	DCI	Cr1	T-B	13011-2700 13011-2010A	CH-135541
					2	3.5	ACI	Cr4/P	IW		CH-135542
					3	3.5	ACI	Cr1	NM		CH-135543
					O	5	ACI/ST.	Cr1	DSF		CH-135544
Truck Ranger Super Dolphine PROFIA	K13C	12882	135.00	6	1	3.306	DCI	Cr1	T-B	13011-3090A	CH-135551
					2	3.5	ACI	Cr4/P	IW		CH-135552
					3	3.5	ACI	Cr1	NM		CH-135553
					O	5	ACI/ST.	Cr1	DSF		CH-135554
Truck TC303D KF301D ZM103D KB501D KS321	EK100 EK200 EK130-T	13267	137.00	6	1	3.306	DCI	Cr1	T-B	13011-1011	CH-137521
					2	3.5	ACI	P	IW		CH-137522
					3	3.5	ACI	Cr1	NM		CH-137523
					O	6	ACI	Cr1	DSF		CH-137524
Tractor HE HH TC	EF750	15920	137.00	8	1	3.306	DCI	Cr1	T-B	13011-1121	CH-137531
					2	3.5	ACI	P	IW		CH-137532
					3	3.5	ACI	Cr1	NM		CH-137533
					O	6	ACI	Cr1	DSF		CH-137534
FS. FR. RU FN. FW. SH	F17C F17E	17238	139.00	8	1	3.306	DCI	Cr1	T-B	13011-2810A 13011-3150A	CH-139511
					2	3.5	ACI	Cr1	IF		CH-139512
					3	3.5	ACI	Cr1	NM		CH-139513
					O	5	ACI/ST.	Cr1	DSF		CH-139514
Ranger Truck Super dolphin PROFIA: FS	F20C	19688	146.00	8	1	3.306	DCI	Cr1	T-B	13011-2792A	CH-146511
					2	3.5	ACI	Cr1	IF		CH-146512
					3	3.5	ACI	Cr1	IF		CH-146513
					O	5	ACI	Cr1	DSF		CH-146514

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
HYUNDAI											
Porter Truck Grace	4D55	2346	91.10	4	1	2.5	DCI	Cr	B	23040-42200	CH-091541
					2	2	ACI	Cr	M		CH-091542
					0	4	ACI	Cr	DSF		CH-091543
Galoper	4D55	2476	91.10	4	1	2	Steel	Cr	R-B	23040-42850	CH-091551
					2	2	ACI	Cr	T		CH-091552
					0	4	Steel	Cr	DSF		CH-091553
Sonata	6G72	2972	91.10	6	1	1.5	DCI	Cr	M	23040-42850	CH-091561
					2	1.5	ACI	P	T		CH-091562
					0	4	ACI	P	DSF		CH-091563
Mighty Truck	2500	2500	100.00	4	1	3	DCI	Cr1	M	23040-41400	CH-100591
					2	2	ACI	Cr1	T		CH-100592
					0	4	ACI	N	DSF		CH-100593
Canter Rosa Bus	4D31	3298	100.00	4	1	3	DCI	Cr	ET-B	23040-41060	CH-100511
					2	2	ACI	Cr	IW		CH-100512
					0	5	ACI	Cr	DSF		CH-100513
Aero Midi Crane Car Dump Truck FE500 RB520	6D16	7545	118.00	6	1	3	Steel	Cr1	B	23040-93000	CH-118511
					2	2.5	ACI	Cr1	IW		CH-118512
					0	4	Steel	N	FM		CH-118513
Cement Truck Concrete Mixer Dump Truck Forklift	6D22A	11149	130.00	6	1	3.5	Steel	Cr	T-B	23040-83000	CH-130541
					2	3	ACI	Cr	IW		CH-130542
					0	4	ACI	Cr	DSF		CH-130543
Aero Eco/ FS Tractor	6D22-T	11149	130.00	6	1	3.5	Steel	Cr	T-B	23040-83030	CH-130551
					2	3	ACI	Cr	IW		CH-130552
					0	4	ACI	Cr	DSF		CH-130553
Bus Crane Car Tractor Truck	D8C90A	16031	135.00	8	1	3.3	DCI	Cr	R-B	23040-72020	CH-135511
					2	3	ACI	Cr	ET		CH-135512
					3	3	ACI	Cr	NM		CH-135513
					0	6	Steel	Cr	DSF		CH-135514
Aero Dump Truck Bus Crane Car Tractor Truck	8DC91	16031	135.00	8	1	3.3	DCI	Cr	R-B	23040-72000	CH-135521
					2	3	ACI	Cr	ET		CH-135522
					3	3	ACI	Cr	N		CH-135523
					0	6	Steel	Cr	DSF		CH-135524

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
ISUZU											
Elf / 150 KBD25/KBD26 KBD40/KBD41	C190	1951	86.00	4	1	2	ACI	P	B	8-94104-949-0	CI-086581
					2	2	ACI	P	M		CI-086582
					3	2	ACI	P	M		CI-086583
					O	5	ACI	Cr	SSF		CI-086584
ELF 250 For Cromed Liner	C240	2369	86.00	4	1	2	ACI	Cr	B	5-12121-021-0	CI-086591
					2	2	ACI	P	M		CI-086592
					3	2	ACI	P	M		CI-086593
					O	5	ACI	Cr	SSF		CI-086593
117 2200 Hipac Van For Cromed Liner	C223	2238	88.00	4	1	2	ACI	P	R-B	8-94253-736-0	CI-088541
					2	2	ACI	P	NM		CI-088542
					O	4	ACI	CR	DSF		CI-088543
Truck Bighorn Elf 150 250	4JA-1 4JB-1	2771	93.00	4	1	2	ACI	P	R-B	8-94247-867-1	CI-093521
					2	2	ACI	P	NM		CI-093522
					O	4	ACI	CR	DSF		CI-093523
Elf TLD34 44.54 TLD26.64	4BA1	2775	98.00	4	1	3	ACI	Cr3	M	5-12181-025-0	CI-098521
					2	2.5	ACI	P	NM		CI-098522
					O	5	ACI	CR1	DSF		CI-098523
Elf Journey	4BB1 4BD1 4BC1	3600	102.00	4	1	3	ACI	Cr3	M	5-12181-024-1 5-12121-004-0	CI-102541
					2	2.5	ACI	P	NM		CI-102542
					O	5	ACI	ICR	DSF		CI-102543
Truck SBR320.380 JBR FBR370 YBR360 310 VBR320 VBR322	6BB1 6BD1	5393	102.00	6	1	3	ACI	Cr3	B	5-12181-023-2	CI-102551
					2	2.5	ACI	P	NM		CI-102552
					O	5	ACI	CR1	DSF		CI-102553
Elf 2T Forward	4BE1 6BF1	3636	105.00	4	1	3	ACI	Cr3	R-B	8-94418-918-0 5-12121-006-0	CI-105521
		6130			2	2.5	ACI	P	NM		CI-105522
					6	O	5	ACI	ICR		DSF
Forward (FRS12) Elf	6BG1 4BG1	4329	105.00	4	1	3	ACI	Cr3	R-B	1-12121-065-0 8-97123-833-0	CI-105531
		6494			2	2.5	ACI	P	NM		CI-105532
					6	O	4	ACI	Cr4		DSF
Truck Elf	4HF1	4334	112.00	4	1	3	DCI	Cr4	R	8-97028-691-0	CI-112511
					2	2.5	ACI	Cr1	NM		CI-112512
					O	4	Steel	N	FM		CI-112513

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
ISUZU											
Elf NPR66	4HF1	4334	112.00	4	1	3	Steel	Cr1	ET-B	8-97109-462-0	CI-112521
					2	2.5	ACI	Cr1	NM		CI-112522
					O	4	Steel	N	FM		CI-112523
Truck SKS390 SKW520	8PA1	9971	115.00	8	1	3	DCI	Cr4	R-B	1-12181-060-0	CI-115511
					2	2.5	ACI	Cr1	NM		CI-115512
					O	6	ACI	Cr1	DSF		CI-115513
Truck Bus SRZ440 CRA650	10PA1	12464	115.00	10	1	3	DCI	Cr4	R-B	12181-016/CYL	CI-115521
					2	2.5	ACI	Cr1	NM		CI-115522
					O	6	ACI	Cr1	DSF		CI-115523
Truck VTR300 VRZ440 VTR290	12PA1	14957	115.00	12	1	3	DCI	Cr4	R-B	12181-016/CYL	CI-115531
					2	2.5	ACI	Cr1	NM		CI-115532
					O	6	ACI	Cr1	DSF		CI-115533
Truck Forward 200PS	6SA-1 6SA-T	8413	115.00	6	1	3	ACI	Cr4	R	1-12121-070-0	CI-115541
					2	2.5	ACI	Cr1	NM		CI-115542
					O	4	ACI	Cr1	DSF		CI-115543
Forward CXG23	6SD1 6SD1TC	9839	120.00	6	1	3.5	ACI	Cr4	R	1-12121-077-0	CI-120531
					2	2.5	ACI	Cr1	NM		CI-120532
					O	5	Steel	Cr	FM		CI-120533
Truck SHM.CXM TruckCXM10 L320PS	6RA1.2 6RB1.2 6RBX	12023	135.00	6	1	4	DCI	Cr1.	R	1-12121-037(6RA1,B1)	CI-135561
					2	2.5	ACI	Cr1	NM		CI-135562
					O	5	ACI	Cr	DSF		CI-135563

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
IVECO											
Daily	8140.07	2400	93.00	4	1	3	DCI	Cr	T-B	730 2093 EZ 730 2094 EZ 730 2095 EZ 730 2096 EZ 730 2097 EZ	CI-093541
					2	2	ACI	Mo	N		CI-093542
					O	3	ACI	Cr	DSF		CI-093543
45.10 A40.10 Daily	8140.21 200-.203	2400	93.00	4	1	3	DCI	Cr	T-B	9-2001-00(SM)	CI-093551
					2	2	ACI	P	M		CI-093552
					O	3	ACI	Cr	DSF		CI-093553
Combi Daily Daily Cina Grinta	8140.61 200-.300	2400	93.00	4	1	3	DCI	Cr1	B	9-2002-00(SM)	CI-093561
					2	2	ACI	P	M		CI-093562
					O	3	ACI	Cr1	DSF		CI-093563
35C15 / 35S15 50C15 / 60C15 65C13 / 65C15 S2000	8140.43M.43 00-.4330	2800	94.40	4	1	2.5	DCI	Cr1	T(B)	R49690(GOETZE)	CI-094531
					2	2	ACI	P	M		CI-094532
					O	2.5	ACI	Cr1	DSF		CI-094533
421A Astra	Diselmotor 8210.02 8210.22	13800	137.00	6	1	4	DCI	Cr1	T(B)	R46840(AE)	CI-137541
					2	3	ACI	P	R		CI-137542
					3	3	ACI	P	N-G		CI-137543
					O	5.5	ACI	Cr1 P	DSF		CI-137544
240.36 Astra	Diselmotor 8210.42	13800	137.00	6	1	4	DCI	Cr1 SiB	T(B)	R47220(AE)	CI-137551
					2	3	DCI	Cr1 SiB	IW		CI-137552
					O	5.5	ACI	Cr1	DSF		CI-137553

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
KIA											
Townner Pride	JADE	1138	68.00	4	1	1.2	Steel	Cr1	B	KK1Y-11-SCO	CK-068521
					2	1.5	ACI	P	NM		CK-068522
					0	3	Steel	Cr1	SLF		CK-068523
Pride	B3	1300	71.00	4	1	1.2	Steel	Cr1	B	K1Y0-11-SCO K1Y1-11-SCO	CK-071511
					2	1.5	ACI	P	NM		CK-071512
					0	3	Steel	Cr1	DSF		CK-071513
Bongo Ceres	ZB	2400	92.00	4	1	2.39	ACI	Cr1	R	K7Z0-11-SCO	CK-092531
					2	2.39	ACI	P	M		CK-092532
					0	4.77	Steel	N	DSF		CK-092533
Besta	SS SUTCK2700	2700	92.00	4	1	2.85	ACI	Cr1	T-B	K4Z0-11-SCO K480-23-206	CK-092541
					2	2.4	ACI	P	M		CK-092542
					0	4	Steel	N	DSF		CK-092543
4100EF 4100WE17T 4100WELLD 4100WX011 4100WEZ011	ZB	4052	92.03	6	1	2.383	DCI	Cr1	R	OK8Y1-11-SCO	CK-092551
					2	2.383	ACI	Cr1	IW		CK-092552
					0	4.763	ACI	N	DSF		CK-092553
	ZB K4100	4000	92.03	6	1	2.383	ACI	Cr1	B	OK8Y1-11-SCO	CK-092561
					2	2.383	ACI	Cr1	IW		CK-092562
					0	4.763	ACI	N	DSF		CK-092563
HI BESTA	RFA	2400	93.00	4	1	2	Steel	Cr1	B-IW	VNY1-11-SCO	CK-093511
					2	2	ACI	Cr1	IW		CK-093512
					0	3	Steel	N	DSF		CK-093513
Industrial	HA	3000	95.00	4	1	2	Steel	Cr1	B	K6Z1-11-SCO	CK-095611
					2	2	ACI	Cr1	IW		CK-095612
					0	3	Steel	N	DSF		CK-095613
Carival	J3TCI	2900	97.10	4	1	2	Steel	N	ET-B	K5Z1-11-SCO	CK-097531
					2	2	ACI	Cr1	IW		CK-097532
					0	3	Steel	N	DSF		CK-097533
K3600	K3000	2900	98.00	4	1	2	Steel	Cr1	B-IW	K7Z1-11-SCO	CK-098531
					2	2	ACI	Cr1	IW		CK-098532
					0	3	Steel	N	DSF		CK-098533
E-3500 P-WEL4AF P-WEL4AT P-WEL4AC P-WEL4AT	SL	3500	100.00	4	1	2.5	DCI	Cr1	B	K4Y0-11-SCO	CK-100511
					2	2	ACI	Cr1	IW		CK-100512
					0	4.5	ACI	Cr1	DSF		CK-100513

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
KIA											
K3500	SH3	3500	100.00	4	1	2.5	Steel	Cr1	B	OK4Y-11-SCO	CK-100521
					2	2	ACI	Cr1	IW		CK-100522
					0	4.5	Steel	N	DSF		CK-100523
K-3600	SH	3600	100.00	4	1	2	Steel	Cr1	B	K4Y1-11-SCO	CK-100531
					2	2	ACI	Cr1	IW		CK-100532
					0	3	Steel	N	DSF		CK-100533
	H07C	6728	110.00	6	1	3	DCI	Cr4	B	OK8YO-11-SCO	CK-110521
					2	2.5	ACI	P	IW		CK-110522
					3	2.5	ACI	Cr1	IWU		CK-110523
					0	5	ACI	Cr1	DSF		CK-110524
FN634 FN635 FN638 FR634 FR635 FR636 FR639 FS630 FS633 FS634 FS636 KL501	EF750	16745	137.00	8	1	3.31	DCI	Cr1	T-B	AA92A-11-120	CK-137561
2					3.5	ACI	P	IW	CK-137562		
3					3.5	ACI	Cr1	NM	CK-137563		
0					6	ACI	Cr1	DSF	CK-137564		

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
KOMATSU											
GD461A-1 GD511 R-1 GD513A R-1 PC100L-5 PC120L-5 WA150-1 WA180-1	S4D95L	3260	95.00	4	1 2 O	1.5 2 4	DCI ACI Steel	Cr Cr Cr	ET-B R DSF	6202-32-2200/cyl.	CK-095521 CK-095522 CK-095523
GD461A-1 GD511 R-1 GD513A R-1 PC100L-5 PC120L-5 WA150-1	S6D95L	4890	95.00	6	1 2 O	2.5 2 4	DCI ACI ACI	Cr Cr Cr	ET-B R DSF	6207-31-2200/cyl.	CK-095531 CK-095532 CK-095533
Industrial	6D95	4890	95.00	6	1 2 O	2 2 4	ACI ACI Steel	Cr1 P Cr1	B M DSF	6207-31-2200	CK-095541 CK-095542 CK-095543
Bulldozer	6D102		102.00	6	1 2 O	3 2 4	DCI DCI ACI	Cr1 Cr1 Cr1	ET-B ET-M DSF	6732-31-2300	CK-102561 CK-102562 CK-102563
Wheel/ Drive D30 / D31 EG45/EG75 GD200A-1 JH63 / PC200	4D105-1	3980	105.00	4	1 2 O	3 2.5 5	DCI ACI Steel	Cr1 Cr1 Cr1	R M DSF	6137-31-2040	CK-105541 CK-105542 CK-105543
EG75 GD200A-1 GD300A-1 PC200 PC220 Q-3D41A	6D105	6490	105.00	6	1 2 O	3 2.5 5	DCI ACI ACI/ST.	Cr1 P Cr1	R M DSF	6136-31-2030 6136-31-2010	CK-105551 CK-105552 CK-105553
	6D108		108.00	6	1 2 O	2.5 2.53 4	DCI DCI Steel	Cr1 Cr1 Cr1	T-B KT DSF	6221-31-2200	CK-108531 CK-108532 CK-108533
Bulldozer	S6D110	7130	110.00	6	1 2 O	3 2.5 5	DCI ACI Steel	Cr1 Cr1 Cr1	T-B ET-M DSF	6138-32-2200	CK-110561 CK-110562 CK-110563
D65S-8 GD613A-1 GD625A-1 GD663A-1 HA250/HA270 P-1 D58E	6D125	11000	125.00	6	1 2 3	2.4 2.4 4	DCI ACI ACI/ST.	Cr1 Cr1 Cr1	T-B T-B DSF	6150-31-2030/cyl.	CK-125511 CK-125512 CK-125513
Bulldozer	4D130	8490	130.00	4	1 2 O	3.5 2.5 5.5	DCI ACI ACI	Cr1 Cr1 Cr1	R M DSF	6114-30-2303 6114-30-2403/cyl	CK-130561 CK-130562 CK-130563

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
KOMATSU											
Bulldozer	D57S-1	12170	130.18	6	1	3.78	DCI	Cr1	R	6620-31-2020 6620-31-2030/cyl	CK-130601
					2	3.61	DCI	p	M		CK-130602
					O	3.61	DCI	p	DSF		CK-130603
Bulldozer	NT855	14000	139.70	6	1	3.595	DCI	Cr1	T-B	6710-31-2023 6710-31-2033/cyl	CK-139541
					2	2.878	DCI	Cr1/P	T-IW		CK-139542
					3	2.878	DCI	P	T-IW		CK-139543
					O	4.75	ACI	Cr1	DSF		CK-139544
Bulldozer	6D140	15200	140.00	6	1	2.4	DCI	Cr1	T-B	6211-31-2031 6211-31-2032/cyl.	CK-140511
					2	2.4	DCI	Cr1	IW		CK-140512
					O	4	ST	Cr1	DSF		CK-140513
Bulldozer	6D155-4	19260	155.00	6	1	4	DCI	Cr1	T-B	6125-31-2022 6128-31-2023	CK-155511
					2	3.5	DCI	Cr1	IF		CK-155512
					O	6	ACI	Cr1	DSF		CK-155513
					O	5	ACI	Cr1	DSF		CK-155514
A-2 D150 D155 D155C D355A-5 D355C-EG300	S6D155 SA6D155	19260	155.00	6	1	3.68	DCI	Cr1	T-B	6125-31-2030 6128-31-2060	CK-155521
					2	3.548	DCI	Cr1	KT		CK-155522
					O	4.737	ACI	Cr1	DSF		CK-155523
KUBOTA(AGRICULTURE ENGINE)											
agriculture engine	ET95		76.00	1		2.50	DCI	CrP	ET-B	81-14921-210501	CK-076521
						2.00	DCI	P	NM	81-1T041-98511	CK-076522
						5.00	ACI	CrP	DSF	81-14911-210501	CK-076523

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
LADA											
150 / 2103 2104 / 2105 2107 / 21026 Niva / Nova Riva	B03 BA37-2102	1500	76.00	4	1	1.5	DCI	Cr	B	08-269700-00	CL-076531
					2	2	ACI	P	NM		CL-076532
					O	3.95	ACI	P	SLF		CL-076533
Samara VAZ	b221081 BA321081	1100	76.00	4	1	1.5	DCI	Cr P	ET	210011-1000/00 08-268700-00	CL-076541
					2	2	ACI	P	NM		CL-076542
					O	3.95	ACI	Cr	DSF		CL-076543
2105 21056 Riva	BC30-2104 2105 2106	1294	79.00	4	1	1.5	DCI	Cr	ET	210011-1000/00 08-267200-00	CL-079511
					2	2	ACI	P	NM		CL-079512
					O	3.95	ACI	P	DSF		CL-079513
2105 / 1600 Niva / Nova Shiguli / Vaz	BA33 BA37 BA38 BA43 BA47	1588	79.00	4	1	1.5	DCI	Cr	B	08-269800-00	CL-079521
					2	2	ACI	P	NM		CL-079522
					O	3.95	ACI	P	DSF		CL-079523
SAMARA	B221083 VA2-2111	1499	82.00	4	1	1.5	DCI	Cr P	ET	08-269900-00	CL-082511
					2	2	ACI	P	NM		CL-082512
					O	3.95	ACI	Cr	DSF		CL-082513
LAND-ROVER											
110/90 Defender	17H	2500	90.47	4	1	1.8	DCI	Cr P	R		CL-090541
					2	1.8	ACI	P	M		CL-090542
					O	4.73	ACI	P	DSF		CL-090543
LISTER											
AIR REFROIDI	SL1	457	80.96	1	1	3.97	DCI	Cr	T	R41800	CL-081511
					2	2.38	ACI	Cr	M		CL-081512
					3	2.38	ACI	Cr	M		CL-081513
					0	3.79	ACI	Cr	DSF		CL-081514
					O	3.73	ACI	Cr	S		CL-081515
Industrial	ST3 TS1	1900	95.25	3	1	3.17	DCI	Cr	T	RS26843	CL-095581
					2	2.38	ACI	Cr	M		CL-095582
					3	2.38	ACI	Cr	M		CL-095583
					O	4.76	ACI	Cr	DSF		CL-095584
					O	4.76	ACI	Cr	S		CL-095585
Industrial	16/2	2860	114.30	2	1	4.76	DCI	Cr	T	57410980 57411003	CL-114541
					2	3.17	ACI	Cr	R		CL-114542
					3	3.17	ACI	Cr	R		CL-114543
					O	4.63	ACI	Cr	S		CL-114544

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
MAN											
6.90/8.90	D0224M ME/MF	3800	102.00	4	1	2.5	ACI	Cr P	R	227 52 NO (MAHLE)	CM-102561
					2	2.5	ACI	P	NM	80 00154 1 0000 (KS)	CM-102562
					O	4	ACI	Cr P	DSF	06-280000-10 (GOETZE)	CM-102563
6.100/8.100	D0824GF GF01	4600	108.00	4	1	2.5	ACI	CrP	R	227 52 NO (MAHLE)	CM-108561
					2	2.5	ACI	P	M	80 00154 1 0000 (KS)	CM-108562
					O	4	ACI	CrP	DSF	06-280000-10 (GOETZE)	CM-108563
9.192 9.215 10.215 12.192 13.215 14.215 14.215 15.192 16.186 16.215	D2146 D2156	10300	121.00	6	1	3.5	ACI	CrP	T-B	228 40 V0 (MAHLE)	CM-121511
					2	3	ACI	P	M	80 00148 1 0000 (KS)	CM-121512
					3	3	ACI	P	N	06-274800-10 (GOETZE)	CM-121513
					O	5.5	ACI	CrP	DSF		CM-121514
10.230FL 13.320 16.230 19.230 22.230 30.230 SG192 SUe230	D2356 D2366	10700	123.00	6	1	3.5	ACI	Cr P	T-B	80 00149 1 0000 (KS)	CM-123511
					2	3	ACI	P	M	06-282100-10 (GOETZE)	CM-123512
					O	4	ACI	Cr P	DSF		CM-123514
0.24 6.24 9.24 15.24 22.24 SD200 SD220 SG192 SL200 SR240 SU240	D2556M / MX MXF / MXH	11413	125.00	6	1	3.5	DCI	Cr	T-B	228 82 NO (MAHLE)	CM-125541
					2	3	ACI	P	NM	80 00154 1 0000 (KS)	CM-125542
					O	5	ACI	CrP	DSF		CM-125543
Industrial	D2556MXUH MXUM	11045	125.00	6	1	3	ACI	CrP	T-B	228 05 NO (MAHLE)	CM-125551
					2	3	ACI	P	IF	80 00151 1 0000 (KS)	CM-125552
					O	5	ACI	CrP	DSF	06-874400-20 (GOETZE)	CM-125553
19.462 19.502 24.462 26.462 33.462 40.462	D2840LF LXF LXF / LYE	18300	128.00	10	1	3.5	DCI	Cr	T-B	228 90 NO (MAHLE)	CM-128571
					2	3	ACI	Cr	IF	80 001551 0000 (KS)	CM-128572
					O	5	ACI	Cr	DSF		CM-128573
MAZDA											
Bongo E Series	R2	2184	86.00	4	1	2	DCI	Cr1	IF-B	R2B6-11-SCO	CM-086601
					2	2	ACI	P	IF		CM-086602
					O	4	ACI	Cr1	DSF		CM-086603
Trader / Titan E3000 / WE WOF1/E Series Parkway	HA	2977	95.03	4	1	2.383	DCI /ST	Cr1	B	1363-23-206 SE01-23-206	CM-095571
					2	2.383	ACI	Cr1/P	IF		CM-095572
					O	4.763	ACI /ST	Cr1/GN	DSF		CM-095573
Trader Titan	SL	3455	100.00	4	1	2.5	DCI /ST	Cr1	ET-B	SL01-23-206	CM-100641
					2	2	ACI	Cr1	IF		CM-100642
					O	4.5	ACI /ST	Cr1/GN	DSF		CM-100643

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
MERCEDES-BENZ											
220D	OM615	2200	87.00	4	1	2	DCI	Cr1	R-B	M246790(PC)	CM-087511
					2	2	ACI	P	IF		CM-087512
					O	4	ACI	Cr1	DSF		CM-087513
180D 190D 200D	OM621	2000	87.00	4	1	2	DCI	CrP	ET	M295710(PC)	CM-087521
					2	2	ACI	P	IF		CM-087522
					3	2	ACI	P	IF		CM-087523
					O	5	ACI	CrP	DSF		CM-087524
212D/250GD 312D/412D	OM602	2500	87.00	4	1	2.5	DCI	Cr1	R	M334220(PC)	CM-087531
					2	2	ACI	P	IF		CM-087532
					O	3	ACI	Cr1	DSF		CM-087533
C250 E250	OM605	2500	87.00	4	1	2.5	DCI	Cr1 P	R	002 08 NO(MAHLE) 06-183200-00 (GEOTZE) 06-183207-00 (GEOTZE)	CM-087541
					2	2	F14	P	IF		CM-087542
					O	3	ACI	P	DSF		CM-087543
220	M115.900	2200	87.00	4	1	2	DCI	Cr1 P	ET	06-170700-00(GEOTZE)	CM-087551
					2	2.5	ACI	P	NM		CM-087552
					O	4	ACI	P	DSF		CM-087553
300D/300GD	MO603	3000	87.00	6	1	2.5	DCI	Mo P	R	06-170600-00 (GEOTZE) 06-170607-00 (GEOTZE)	CM-087561
					2	2	ACI	P	IF		CM-087562
					O	3	ACI	P	DSF		CM-087563
300E / 300GE 300SE/300SEL 300SL / 300TE	M103E30	3000	88.50	6	1	1.5	ACI	P	ET	08-287700-00	CM-088551
					2	1.75	ACI	P	NM		CM-088552
					O	3	ACI	P	DSF		CM-088554
190E	M102E18.910	1800	89.00	4	1	1.75	DCI	Cr1 P	IF-B	06-743100-00 (GOETZE)	CM-089511
					2	2	ACI	P	IF		CM-089512
					0	3.5	ACI	Cr1 P	DSF		CM-089513
200 200CE 200T 200TE	M102E20.919	2000	89.00	4	1	1.75	DCI	Cr1 P	ET		CM-089521
					2	2	ACI	P	NM		CM-089522
					0	3.5	ACI	Cr1 P	DSF		CM-089523
230 C230 E230 SLK230 Sprinter	M111	2300	90.90	4	1	1.5	ACI	Cr1 P	ET	004 14 V0(MAHLE) 800 00182 1 1000 (KS)	CM-090511
					2	1.75	ACI	P	NM		CM-090512
					O	3	ACI	Cr1 P	DSF		CM-090514
240 240GD 240TD	OM616.910	2400	90.90	4	1	3	ACI	Cr1 P	ET	06-404500-00 (GOETZE)	CM-090521
					2	2	ACI	P	IF		CM-090522
					O	4	ACI	Cr1 P	DSF		CM-090523

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
MERCEDES-BENZ											
230/240 280/300	OM617	3000	91.00	5	1	3	DCI	Cr1 P	ET	06-876300-00 (GOETZE)	CM-091521
					2	2	ACI	P	IF		CM-091522
					O	4	ACI	Cr1 P	DSF		CM-091523
240D / 300D 300GD / 300TD	OM617 950 952	3000	91.00	5	1	3	DCI	Mo	ET	M270440(PC)	CM-091531
					2	2	ACI	Mo	IF		CM-091532
					O	4	ACI	Cr	DSF		CM-091533
380	M116.960- 963	3800	92.00	4	1	1.75	DCI	CrP	ET	06-173807- 20(GOETZE)	CM-092631
					2	2	F14	P	NM		CM-092632
					O	3.5	ACI	CrP	DSF		CM-092633
E420/M420	M119A	4200	92.00	8	1	1.5	DCI	CrP	ET	M002360(PC)	CM-092641
					2	2	ACI	CrP	NM		CM-092642
					O	3.5	ACI	CrP	DSF		CM-092643
190E	M102E23	2300	95.50	4	1	1.5	DCI	CrP	IF	002 77 NO(MAHLE) 80 00189 4 0 000 (KS)	CM-095601
					2	1.75	F14	P	NM		CM-095602
					O	3.5	ACI	CrP	DSF		CM-095603
CLK55 / E55 G55 / ML55 Puch / S55	M113.960	5000	97.00	8	1	3	DCI	Cr	R	000 45 NO(MAHLE) 80 00109 1 0 000 (KS)	CM-097511
					2	3	ACI	P	NM		CM-097512
					O	5.5	ACI	Cr	DSF		004 51 NO CM-097515
E550 / AMG G500 ML550AMG	M113.962	5439	97.00	6	1	2.5	DCI	Mo P	T-B	022 50 V0(MAHLE) 80 00191 1 1 000 (KS)	CM-097521
					2	2.5	ACI	Mo P	IW		CM-097522
					O	4	ACI	Cr1 P	DSF		CM-097523
1113/1216 1313/1317 1413/1417 1617/1817	OM360	8700	115.00	6	1	3.5	DCI	Cr1 (Mo)	T-B	80 00110 10 000(KS) 06-176400-20 (GOETZE) 005 11 NO(MAHLE)	CM-115551
					2	3	ACI	MoP	IF		CM-115552
					O	5.5	DCI	CrP	DSF		CM-115553
0303 / 1019 1219 / 1419 1619 / 1719 1819 / 1919	OM401 LA	9600	125.00	6	1	3	DCI	Mo	ET-B	06-176800-70 (GOETZE) 06-176000-30 (GOETZE) 80 0019411 000(KS)	CM-125521
					2	3	ACI	Mo	N		CM-125522
					O	6	ACI	Cr	DSF		CM-125523
1424/1624 1626/1924 1926/2026 2224/2226	OM402A	12700	125.00	6	1	3	DCI	Cr1 (Mo)	T-B	003 45 V0(MAHLE) 003 45 G0(MAHLE) 80 00193 110 000	CM-125531
					2	3	ACI	(P)	NM M		CM-125532
					O	6	ACI	Cr1	DSF		CM-125533
0317/1418/ 1618/1620/ 1623/1918/ 1920/2020/ 2023/2220	OM346	10800	128.00	6	1	3.5	DCI	Cr P	T-B	08-124500-00 (GOETZE)	CM-128521
					2	3.5	ACI	MOP	M		CM-128522
					3	3.5	ACI	MOP	N		CM-128523
					O	6.5	ACI	Cr P	DSF		CM-128524

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
MERCEDES-BENZ											
1225/1228/1425	OM422	14600	128.00	8	1	3	DCI	Mo	T-B	003 66 VO(MAHLE)	CM-128531
1428/1429/1625					2	3	ACI	Cr	IF	80 00195 11000(KS)	CM-128532
1628/1925/2028					O	4	ACI	Cr	DSF	06-181700-20 (GOETZE)	CM-128533
2225/2228/242											
1928/2628	OM355A	11900	128.00	6	1	3.5	DCI	Mo P	ET-B	08-179300-10 (GOETZE)	CM-128541
					2	3.5	ACI	Cr1 P	ET-B		CM-128542
					3	3.5	ACI	Cr1 P	N		CM-128543
					O	6.5	ACI	Cr1 P	DSF		CM-128544
1636 1936 2036 2236 2626 3236	OM423	18200	128.00	10	1	3	DCI	Mo	T-B	003 76 N0(MAHLE)	CM-128551
					2	3	ACI	Cr1	IF		CM-128552
					O	4	ACI	Cr1	DSF		CM-128553
1620/1624/1920 1924/2220/2224	OM355, OM346 Truck	11600	128.00	6	1	3.5	DCI	MO	ET-B	003 54 VO (MAHLE)	CM-128561
					2	3.5	ACI	MO	ET-B	003 54 V2(MAHLE)	CM-128562
					3	3.5	ACI	MO	N	003 54 V3(MAHLE)	CM-128563
					O	6.5	ACI	Cr	DSF	80 00196 1 1 000 (KS) 08-176900-10 (GOETZE)	CM-128564
Industrial	OM444	22600	130.00	12	1	3	DCI	MOP	B	003 78 NO(MAHLE)	CM-130591
					2	3	ACI	Cr	IF	80 00197 1 0 000 (KS)	CM-130592
					O	4	ACI	Cr	DSF	06-742300-00 (GOETZE)	CM-130593

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
MITSUBISHI											
Canter E-po3v	4G63	1997	85.00	4	1	2	Steel	N	R-B	MD040640 MD041580 MD108068	CM-085521
					2	2	ACI	P	NM		CM-085522
					O	4	Steel	Cr1	SLF		CM-085523
Galant / L200 L300 / Montero Pajero/Sapporo Space / Wagon	4G64 4G64-S4	2350	86.50	4	1	1.2	Steel	N	R-B	MD192815 MD194597 MD195828	CM-086611
					2	1.5	ACI	P	NM		CM-086612
					O	2.8	Steel	Cr1	SLF		CM-086613
Jeep Galant Σ, Sapporo Dodge Challenger	4G54 4G54B	2555	91.10	4	1	2	DCI	Cr1	R-B	MD026960 MD025089 MD107813	CM-091581
					2	2	ACI	Cr1	M		CM-091582
					o	4	Steel	Cr1	SLF		CM-091583
Galant A167 Galant Sapporo L300/Delica	4D55	2346	91.10	4	1	2.5	DCI	Cr1	B	MD050395	CM-091591
					2	2	ACI	Cr1	M		CM-091592
					3	4	Steel	Cr1	DSF		CM-091593
Galant / A167 L300 / L038P	4D55T 4D56	2346	91.10	4	1	2.5	DCI	Cr1	ET-B	MD050390	CM-091601
					2	2	ACI	Cr1	ET-M		CM-091602
					3	4	Steel	Cr1	DSF		CM-091603
Rosa / T44 T44B / Fork Lift / FD60	4DR5 6DR5	2346	92.00	4	1	2.5	DCI	Cr1	ET-B	31717-12012 31617-02012	CM-092511
		3983			2	2	ACI	P	M		CM-092512
					2	2	ACI	P	M		CM-092513
					O	4.5	DCI/ST.	Cr1/N	DSF		CM-092514
Truck FE111-121-211 Bus/be211 Rosa	4D30	3298	100.00	4	1	3	DCI	Cr1	ET-B	ME012070 ME012010	CM-100601
					2	2	ACI	Cr1	IF		CM-100602
					O	5	DCI/ST.	Cr2	DSF		CM-100603
Truck FK330	6D31 6D31T	4948	100.00	6	1	3	DCI	Cr1	ET-B	ME999717	CM-100611
					2	2	ACI	Cr1	IF		CM-100612
					O	5	ACI	Cr2	DSF		CM-100613
Truck FE434 Canter Truck FK330,FE434	4D31T 6D31T	3567	100.00	4	1	3	DCI/ST.	Cr1	ET-B	ME997398 ME999783	CM-100621
					2	2	ACI	Cr1	IF		CM-100622
					O	4	ACI/ST.	Cr2	DSF		CM-100623
	S6KT	6380	102.00	6	1	3	DCI	Cr1	ET-B	34317-19010/11	CM-102531
					2	2	ACI	Cr1	ET-M		CM-102532
					0	4	DCI/ST	N	DSF		CM-102533

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
mitsubishi											
Canter	4D32	3567	104.00	4	1	3	DCI	Cr4	ET-B	ME997318	CM-104541
					2	2	ACI	Cr1	IF		CM-104542
					O	4	Steel	Cr1	DSF		CM-104543
Bus/Canter Truck	4D34T	3907	104.00	4	1	2.806	DCI/ST	Cr1	T-B	ME997240	CM-104551
					2	2	ACI	Cr1	IF		CM-104552
					O	4	Steel	Cr1/FM	DSF		CM-104553
Canter	4D33	4214	108.00	4	1	3	DCI	Cr1	B	ME996378	CM-108521
					2	2	ACI	Cr1	IF		CM-108522
					O	4	ACI/ST	Cr1	DSF		CM-108523
Truck FK115-115H-115J FK115K-115DK T656ZR FM215 Bus MK115.115H	6D14	6557	110.00	6	1	3	DCI	Cr1	ET-B	ME032260 ME032071 ME032404 ME032458	CM-110511
					2	2.5	ACI	Cr1	IF		CM-110512
					O	5	ACI/ST.	Cr1 N	DSF		CM-110513
Bus Truck	6D15	6919	113.00	6	1	3	DCI	Cr1	ET-B	ME032403	CM-113511
					2	2.5	ACI	Cr1	IF		CM-113512
					O	5	DCI/ST.	Cr1 N	DSF		CM-113513
FUSO FK417 FK517	6D16	7545	118.00	6	1	3	DCI	Cr1	B	ME999540	CM-118521
					2	2.5	ACI	Cr1	IF		CM-118522
					O	4	DCI/ST.	Cr N	DSF		CM-118523
Industrial	6D16T	7545	118.00	6	1	2.806	DCI	Cr1	T-B	ME999549	CM-118531
					2	2.5	ACI	Cr1	IF		CM-118532
					3	4	DCI/ST.	Cr1 N	DSF		CM-118533
Truck / FFT318 FP318 / Bus MP118 / MP518 Fork / Lift	6D22 6D22T	11149	130.00	6	1	3.306	DCI	Cr1	T-B	ME052124 ME052787 30917-20010	CM-130571
					2	3	ACI	Cr1	IF		CM-130572
					O	6	ACI/ST.	Cr1 N	DSF		CM-130573
Bus / Crane Truck / Tank truck / Tractor Cement/Tanker	6D22A	11149	130.00	6	1	3.306	DCI/ST.	Cr1	T-B	ME995467	CM-130581
					2	3	DCI	Cr4	IF		CM-130582
					0	4	DCI/ST.	Cr1 N	DSF		CM-130583
Truck FU 11.5 ton FV 10.75ton FT EW Bus MS	8DC91 8DC9T	16031	135.00	V-8	1	3.306	DCI	Cr1	T-B	ME0062230 ME062018	CM-135571
					2	3	ACI	Cr1	IF		CM-135572
					3	3	ACI	Cr1	IFU		CM-135573
					O	6	ACI/ST.	Cr1	DSF		CM-135574
Bus Crane Truck Tank truck Tractor	8DC91	16031	135.00	V-8	1	3.306	DCI	Cr1	B	ME090758	CM-135581
					2	3	ACI	Cr1	IF		CM-135582
					3	3	ACI	Cr1	NM		CM-135583
					O	4	ACI/ST.	Cr N	DSF		CM-135584

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
NISSAN											
200C / Caball Cabstar/ Cedric Civilian/ Clipper Fork / Lift Junior / Van	H20	2000	87.20	4	1	2	ACI	Cr	B	12033-14601 12033-Y4460 12033-R9023	CN-087571
					2	2.5	ACI	P	M		CN-087572
					0	4	Steel	Cr	SLF		CN-087573
Cabstar Junior Urvan Bus	Z24	2400	89.00	4	1	1.5	ACI	Cr	B	12033-10W00 12033-30W10	CN-089531
					2	1.5	ACI	Cr	M		CN-089532
					0	4	Steel	Cr	SLF		CN-089533
Cabstar Cabstar Pick Up Norfolk Pick Up	TD25	2500	92.90	4	1	2.5	ACI	Cr	B	12033-44G10	CN-092571
					2	2	ACI	Cr	IW		CN-092572
					0	4	Steel	Cr	DSF		CN-092573
Bus King Cab Pathfinder Pick-Up/Taxi Terrano/ Van	TD27	2700	96.00	4	1	2.5	ACI	Cr1	B	12033-44G11	CN-096521
					2	2	ACI	Cr1	IW		CN-096522
					0	4	Steel	Cr1 N	DSF		CN-096523
Cargo / Truck Concrete Dump / Truck Tank / Truck	FD6	5654	100.00	6	1	3	ACI	Cr1	B	12040-Z5028	CN-100651
					2	2	ACI	Cr1	IW		CN-100652
					0	4.5	Steel	Cr1	DSF		CN-100653
Condor Condor Truck Crane Truck	FE6	7000	108.00	6	1	3	ACI	Cr1	ET-B	12040-Z5505	CN-108571
					2	2	ACI	Cr1	IW		CN-108572
					0	4	Steel	Cr1 N	DSF		CN-108573
Cargo / Truck	ND6	6842	110.00	6	1	4	ACI	Cr1	B	12040-90127 12040-95006 12040-95004/lcy1	CN-110581
					2	3	ACI	Cr1	M		CN-110582
					0	5	Steel	Cr1	DSF		CN-110583
Bus / Truck	NE6	7000	110.00	6	1	3	DCI	Cr1	ET-B	12040-95012 12040-95013 12040-95029	CN-110591
					2	2.5	DCI	Cr1	IW		CN-110592
					0	4	DCI/ST.	Cr1 N	DSF		CN-110593
CB20 / CK20 TK20 / U20 TFA21 / CD40 CV40 / CW40	PD6	10300	125.00	6	1	5	ACI	Cr1	B	12040-90029 12040-96007 12040-96009 12040-90026 12010-90125	CN-125561
					2	3.5	ACI	Cr1	IW		CN-125562
					0	5	ACI	Cr1	DSF		CN-125563
Cargo / Truck Dump / Truck Tractor	PD6T	10300	125.00	6	1	4	DCI	Cr1	T-B	12040-90228 12040-96129 12040-96125 12000-96005/lcy1 12040-96010/lcy1 12040-96005/lcy1	CN-125571
					2	3.5	ACI	Cr1	IW		CN-125572
					0	5	ACI/ST.	Cr1/FM	DSF/ FM		CN-125573
CK30 / CK31 CV31 / CD32 RB30 / CB300	PE6	11670	133.00	6	1	4	DCI	Cr1	T-B	12040-96128 12040-90225 12040-96028 12040-96500/lcy1 12040-96503/lcy1	CN-133511
					2	3.5	ACI	Cr1	IW		CN-133512
					0	6	DCI/ST.	Cr1	DSF		CN-133513

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
NISSAN											
CD45	PE6T	11670	133.00	6	1	4	DCI	Cr1	ET-B	12040-96225	CN-133521
					2	3.5	ACI	Cr1	IW	12040-96512	CN-133522
					O	6	DCI/ST.	Cr1	DSF	12040-96228 12040-96510/lcy1 12040-96513/lcy1	CN-133523
Bus / CD52 CW50 / CW51 CW52 / RA50 RA51	RD8	14313	135.00	V-8	1	4	DCI	Cr1	B	12040-97126	CN-135591
					2	3	ACI	Cr1	IW	12040-90325	CN-135592
					O	6	ACI/ST.	Cr1	DSF	12040-97008 12040-97007/lcy1	CN-135593
Bus Truck	RE8	15000	135.00	8	1	3	DCI	Cr1	B	12040-97074	CN-135601
					2	3	ACI	Cr1	IW		CN-135602
					0	5	ACI/ST.	Cr1	DSF		CN-135603
Crane Fire Engine Truck Tractor	RD10	17890	138.00	8	1	2.5	DCI	Cr1	IW-B	12040-97072	CN-138511
					2	2.5	ACI	Cr1	IW		CN-138512
					0	4	ACI/ST.	Cr1 N	DSF		CN-138513
OPEL											
Ascona Calibra Kadett Vectra	1.6L SE SZ SV	1600	79.00	4	1	1.2	DCI	Cr1 P	B	011 08 N0/N1/N2 (MAHLE) 80 00207 4 0000 (KS)	CO-079531
					2	1.5	ACI	P	NM		CO-079532
					O	3	ACI	Cr1 P	DSF		CO-079533
Ascona / Kadett Manta / Rekord	1.8E NE NZ NV	1800	84.80	4	1	1.5	DCI	Cr1 P	B	011 62 N2/N4 (MAHLE)	CO-084551
					2	1.75	ACI	P	M		CO-084552
					O	4	ACI	Cr1 P	DSF		CO-084553
Omega	2.0SE	2000	86.00	4	1	1.5	DCI	Cr1 P	B	011 58 NO (MAHLE) 80 00212 4 0000 (KS)	CO-086551
					2	1.5	ACI	P	NM		CO-086552
					O	3	ACI	Cr1 P	DSF		CO-086553

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
PERKINS											
Industrial	D4.203 6.305	3300	91.49	4	1	2.39	DCI	Cr1(Mo)	F R	043 21 VO (MAHLE) 41158058 (PERKINS)	CP-091611
					2	2.39	ACI	P	M		CP-091612
					3	3.18	ACI	P	NM		CP-091613
		6		O	6.35	ACI	Cr1	DSF	CP-091614		
				O	6.35	ACI	P	S	CP-091615		
Industrial	4.165	2700	92.00	4	1	2	ACI	Cr	ET-B	68501 (PERKINS)	CP-092621
					2	2.5	ACI	Cr	IF		CP-092622
					O	4	ACI	Cr	DSF		CP-092625
Industrial	A4.236 AT4.236 6.354 H6.354 T6.354.1	3900	98.48	4	1	2.39	DCI	Cr	R	043 48 NO (MAHLE) 41158041 (PERKINS)	CP-098561
					2	2.39	ACI	P	N		CP-098562
					3	2.39	ACI	P	N		CP-098563
		6		O	6.35	ACI	Cr	DSF	CP-098564		
				O	6.35	ACI	P	S	CP-098565		
Industrial	4.248	4000	101.05	4	1	2.39	ACI	Cr	IW	043 30 NO (MAHLE)	CP-101511
					2	2.39	ACI	P	IF		CP-101512
					3	2.39	ACI	P	IF		CP-101513
					O	6.35	ACI	Cr	DSF		CP-101514

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
PEUGEOT											
304	XL3	1288	76.00	4	1	1.75	DCI	Cr	B	021 78 V0 (MAHLE) 40 42625(PC)	CP-076521
					2	2	ACI	Cr	M		CP-076522
					O	4	ACI	Cr	SLF		CP-076523
204/304/305	XK5	1100	78.00	4	1	1.75	DCI	Cr	B	039 69 NO (MAHLE) 40 42625(PC)	CP-078521
					2	2	ACI	Cr	M		CP-078522
					O	4	ACI	Cr	SLF		CP-078523
205 / 305 / 309 Partner	XUD7-161A-19A	1768	80.00	4	1	2	DCI	Mo P	B	011 54 NO (MAHLE) 40 43218(PC) 80 00224 4 0000 (KS)	CP-080521
					2	2	ACI	P	IF		CP-080522
					O	3	ACI	Cr1	DSF		CP-080523
306 / 406	XU7 JP4	1761	83.00	4	1	1.5	DCI	CrP	R	039 24 NO (MAHLE) 80 00037 4 0000 (KS) 40 43186(PC)	CP-083511
					2	1.5	ACI	P	NM		CP-083512
					O	3	ACI	CrP	DSF		CP-083513
306 / 405 406 / 806 Expert	XU7 JP	1762	83.00	4	1	1.5	DCI	CrP	R	039 76 NO (MAHLE) 80 00036 4 0000 (KS) 40 4318880(PC)	CP-083521
					2	1.5	ACI	P	NM		CP-083522
					O	3	Steel	CrP	DSF		CP-083523
504	KF5/6 XM/1 XM6/ XM7 XM7/P	1800	84.00	4	1	2	DCI	Cr	B	039 29 VO (MAHLE)	CP-084511
					2	2	ACI	Cr	M		CP-084512
					0	4.5	Steel	Cr	SLF		CP-084513
406 / 607	EW12J4	2200	86.00	4	1	2	DCI	Cr	R-B	M320520(PC)	CP-086561
					2	2	ACI	Cr	M		CP-086562
					0	4	ACI	Cr	DSF		CP-086563
505	829/J6R/ZEJ	2000	88.00	4	1	1.75	DCI	Cr	B	039 53 VO (MAHLE) 80 00038 4 1 000 (KS) 40 42742(PC)	CP-088521
					2	2	ACI	Cr	M		CP-088522
					0	4	Steel	Cr	SLF		CP-088523
504/505 B31/ J5/J9	XN1/XN1P XNA/XN1T	2000	88.00	4	1	1.5	ACI	Cr	B	40 42028(PC) M266080	CP-088531
					2	2	ACI	Cr	M		CP-088532
					O	4	Steel	Cr	SLF		CP-088534
504 / J5 / J9	XDP 4-90/ XDP90	2112	90.00	4	1	2	ACI	Cr	B	40 39094 0(PC)	CP-090531
					2	2	ACI	Cr	R		CP-090532
					3	2	ACI	Cr	M		CP-090533
					O	4	ACI	Cr	DSF		CP-090534
504 / 505 J7 / J9	504,505D w/o Turbo	2300	94.00	4	1	2	DCI	Cr	B	40 430300(PC)	CP-094511
					2	2	ACI	P	M		CP-094512
					O	4	ACI	Cr	DSF		CP-094513
505 604	XD3 T TE XD3 XD3P	2500	94.00	4	1	3	DCI	Cr1(Mo)	T-B	40 43125(PC)	CP-094521
					2	2	ACI	Mo	IW		CP-094522
					O	4	ACI	Cr1	DSF		CP-094523

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
RENAULT											
Alouette R10 R12 R15 R5 R6 Trafic	810 25 26 29 03	1300	73.00	4	1	1.75	DCI	Cr	B	021 34 VO (MAHLE)	CR-073531
					2	2	ACI	P	M		CR-073532
					O	4	Steel	Cr	SLF		CR-073533
Fuego R18 R5 Trafic	847-700 701 720 722	1400	76.00	4	1	1.75	DCI	Cr	B	021 78 VO (MAHLE) 80 00230 4 0000 (KS) 40 425160(PC)	CR-076511
					2	2	ACI	P	M		CR-076512
					O	4	Steel	Cr	SLF		CR-076513
R9 R11 R19	F8M-700	1600	78.00	4	1	2	DCI	Cr	B		CR-078531
					2	2	ACI	P	M		CR-078532
					O	3	Steel	Cr	SLF		CR-078533
R5	F8M-720	1600	78.00	4	1	2	DCI	Cr	B	021 08 NO (MAHLE) 80 00231 4 0000 (KS) 40 432160(PC)	CR-078541
					2	2	ACI	P	M		CR-078542
					O	3	ACI	Cr	SLF		CR-078543
R18 20 21 25 30	J8S	2100	86.00	4	1	2.5	DCI	Cr	T-B	021 84 NO (MAHLE) 80 00235 4 0000 (KS) 40 431440(PC)	CR-086571
					2	2.5	ACI	P	m		CR-086572
					O	4	ACI	Cr	DSF		CR-086573
Fuego R18 R20 R21 R25 Trafic Espace	J7T	2200	88.00	4	1	1.75	DCI	Cr	B	2C4488(Hastings) 42994(PC)	CR-088511
					2	2	ACI	P	M		CR-088512
					O	4	ACI	Cr	SLF		CR-088513

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
RVI											
JK50 JK1AB16 JK60A JK60B JK65 JK75 OJK65/OJK75	720 01 02 08 12	3600	102.00	4	1	3	DCI	Cr1	T-B	592 30 NO (MAHLE) 40 42925(PC)	CR-102581
					2	2.5	ACI	P	M		CR-102582
					O	5	ACI	Cr1	DSF		CR-102583
GLM12 PMH12 TLM12	M635.40AD	12000	135.00	6	1	3.5	DCI	Cr	T	40 431410U(PC)	CR-135611
					2	3	ACI	Cr	M		CR-135612
					3	3	ACI	Cr	N		CR-135613
					O	6	ACI	Cr	DSF		CR-135614
GR320 GR350 GR360 R360 R370 TR350	MIVS08 35 30	14886	135.00	8	1	3.5	DCI	Cr	T	40 43141(PC)	CR-135621
					2	3	ACI	Cr	IF		CR-135622
					3	3	ACI	Cr	IF		CR-135623
					O	6	ACI	Cr	DSF		CR-135624
SAVIEM											
	M229000		102.00	4	1	3	DCI	Cr1	T-B	40 42873(PC)	CS-102571
2					2.5	ACI	P	M	CS-102572		
3					2.5	ACI	P	M	CS-102573		
O					5	ACI	Cr1	DSF	CS-102574		
SCANIA											
L80 92,T82,Tvigg Parca 714,985	DN801 DN901	7800	115.00	6	1	2.38	ACI	Cr	B	40 43091(PC)	CS-115561
					2	2.38	ACI	Cr	M		CS-115562
					O	4.74	ACI	Cr	DSF		CS-115563
LB140 141 146 R142H L141S LB141S	DS14, DSC14.01	14200	127.00	8	1	2.39	DCI	MoP	ET	40 430910(PC)	CS-127521
					2	2.39	ACI	P	ET		CS-127522
					3	2.39	ACI	P	N		CS-127523
					O	4.75	ACI	CrP	DSF		CS-127524

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
STEYR											
540A 545A 548 658 768 8033	WD308 WD408	2535	100.00	3	1	2.5	ACI	CrP	ET	40 43091(PC)	CS-100631
		3142			2	2.5	ACI	Cr	ET		CS-100632
					3	2.5	ACI	Cr	ET		CS-100633
					O	5	ACI	CrP	DSF		CS-100634
WD208 WD611	WD113U WD213 WD318-C	5322	110.00	4	1	3	ACI	CrP	R	40 430910(PC)	CS-110571
					2	3	ACI	P	R		CS-110572
					3	3	ACI	P	R		CS-110573
					O	6	ACI	P	DSF		CS-110574
					O	6	ACI	P	DSF		CS-110575
615	615.20 615.60 615.61	8973	126.00	6	1	3.5	ACI	MoP	T	40 430910(PC)	CS-126511
					2	3	ACI	Cr	M		CS-126512
					3	4	ACI	CrP	DSF		CS-126513
SUZUKI											
Alto Carry Fronte SJ	F5A	500	62.00	3	1	1.5	DCI	CrP	R	12140-73000	CS-062521
					2	1.5	ACI	P	M		CS-062522
					0	2.8	Steel	P	SLF		CS-062523
Alto Carry Gemini Jimny Truck	F8A	797	62.00	4	1	1.5	ST	CrP	R	12140-85050	CS-062531
					2	1.5	ACI	P	M		CS-062532
					0	2.8	Steel	P	SLF		CS-062533
Carry Celvo Jimmy Jeep	F10A	1000	65.50	4	1	1.5	Steel	N	B	12140-75111 12140-75110/lcy1	CS-065511
					2	1.5	ACI	P	M		CS-065512
					O	2.8	Steel	Cr1	SLF		CS-065513
Alto YA1 Alut Van	F6A	700	65.00	3	1	1.2	ACI	Cr1	R	12140-50E50	CS-065531
					2	1.2	ACI	P	R		CS-065532
					O	2.5	Steel	Cr1	SLF		CS-065533
Alto Fronte SS80	F8B/SS80/	800	68.50	3	1	1.5	ACI	CrP	R	12140-78411/cyl.	CS-068531
					2	1.5	ACI	P	NM		CS-068532
					O	2.8	Steel	CrP	SLF	12140-78412/cyl.	CS-068533
Fronte Y64 SS80	Y64	800	68.50	3	1	1.5	ACI	Cr1	R	12140-78411/cyl.	CS-068541
					2	1.5	ACI	P	R		CS-068542
					O	2.8	Steel	Cr1	SLF	12140-78412/cyl.	CS-068543

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
TOYOTA											
Corona Corolla Hiace Sprinter Starlet	2E-C / U / L	1300	73.00	4	1	1.5	DCI	CrP	R	13011-11040	CT-073511
					2	1.5	ACI	P	M		CT-073512
					3	3	ACI	Cr	DSF		CT-073513
Corona Corolla	5A-F	1498	78.70	4	1	1.2	DCI	Cr1	R	13011-15130	CT-078551
					2	1.5	ACI	P	NM		CT-078552
					O	3	Steel	P	DSF		CT-078553
Corona Hilux Hiace Corona-Van Toyoace	12R	1600	80.50	4	1	2	DCI	Cr1	R-B	13011-31091, - 31070 -31061, -31060	CT-080531
					2	2	ACI	Cr1	M		CT-080532
					O	4	Steel	Cr1	SLF		CT-080533
Corolla Liteace	5K/KU	1486	80.50	4	1	1.5	Steel	N	R	13011-13040 13050 13090	CT-080541
					2	1.5	ACI	P	NM		CT-080542
					O	4	Steel	Cr1	SLF		CT-080543
Corona Corona-Mark II Cressida	6R 7R 8R	1700	86.00	4	1	2	DCI	Cr1	R	13011-33030, -33022, -33021, -33020, -33010	CT-086511
					2	2.5	ACI	P	NM		CT-086512
					O	4	Steel	Cr1	SLF		CT-086513
Dyna Townace Liteace	1Y 2Y 3Y	1600	86.00	4	1	1.5	DCI	Cr	R-B	13011-71010,- 71020 -71030 71033 - 71040	CT-086521
					2	1.5	ACI	P	N		CT-086522
					O	4	Steel	Cr	SLF		CT-086523
Hi-Lux Hiace	1RZ	2000	86.00	4	1	1.75	DCI	Cr1	R	13011- 75010,75020	CT-086531
					2	1.5	DCI	Cr1	M		CT-086532
					O	4	Steel	Cr1	SLF		CT-086533
Corona Carina Carolla Master Ace	2C (Diesel)	1974	86.00	4	1	2	Steel	Cr	ET-B	13011-64060 64110-64150	CT-086541
					2	2	ACI	Cr	R		CT-086542
					O	4	DCI	Cr	DSF		CT-086543
4 Runner Dyna Forklift Hiace Hilux Model F Stout	4Y	2200	91.00	4	1	1.5	DCI	Cr1	R-B	13011 -73030 -73020, -73031 -73032 -73040	CT-091511
					2	1.5	ACI	Cr1	M		CT-091512
					O	4	Steel	Cr1	SLF		CT-091513
Crown Chaser Corona Mark II	2L-T 2L-TE (Diesel)	2400	92.00	4	1	2	Steel	CrP	ET-B	13011-54090 -54060,-54050 -54061, -54062 -54100	CT-092521
					2	2	ACI	P	M		CT-092522
					O	4	Steel	CrP	DSF		CT-092523
Hi-Ace RZH101G	2RZ	2438	95.00	4	1	1.75	DCI	Cr1	R-B	13011-75030	CT-095511
					2	1.5	ACI	P	M		CT-095512
					O	4	Steel	Cr1	SLF		CT-095513

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
TOYOTA											
Toyo-Ace Hilux Hiace Van Wagon Dyna	3L	2779	96.00	4	1	2	Steel	N	ET-B	13011-54120	CT-096511
					2	2	ACI	Cr1	M		CT-096512
					O	4	Steel	N	FM		CT-096513
Coaster Dyna Landcruiser	2B (Diesel)	3186	98.00	4	1	2.526	DCI	Cr1	ET	13011-57010	CT-098511
					2	2.526	ACI	P	NM		CT-098512
					O	4.5	ACI	Cr1	SLF		CT-098513
HI-ACE REGIUS HI-LUX	5L	3000	99.50	4	1	2	Steel	N	ET	13011-54130	CT-099511
					2	1.5	ACI	Cr1	M		CT-099512
					O	4	Steel	N	FM		CT-099513
UTB											
U50 U500 U650M U651M	D110	3186	108.00	4	1	3	DCI	Cr P	R	13011-57010	CU-108541
					2	3	ACI	P	P		CU-108542
					3	3	ACI	P	P		CU-108543
					0	6	ACI	P	DSF		CU-108544
					O	6	ACI	P	SLF		CU-108545
VOLGA											
3102 GAZ 20-10	XDP88	2000	88.00	4	1	2	DCI	CrP	ET	13011-57010	CV-088561
					2	2	ACI	P	M		CV-088562
					3		ACI	P	NM		CV-088563
					0	5	ACI	CrP	SLF		CV-088564
M21 M22T EINBAUMOTO	VOLGA2.5	3186	108.00	4	1	2	DCI	Cr P	R	13011-57010	CV-108551
					2	2	ACI	P	M		CV-108552
					0	5	ACI	P	SLF		CV-108553

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
VOLKSWAGEN											
LT40 LT45	1G	2400	76.50	4	1	1.75	DCI	Cr1	R-B	029 80 NO (MAHLE)	CV-076561
					2	2	ACI	P	IF	80 00006 1 1 000 (KS)	CV-076562
					O	3	ACI	Cr1	DSF	40 43065(PC)	CV-076563
Caddy Golf Polo Vento	AEX	1400	76.50	4	1	1.2	DCI	Cr	R	029 80 NO (MAHLE)	CV-076571
					2	1.5	ACI	P	NM	80 00006 1 1 000 (KS)	CV-076572
					O	2.5	ACI	Cr	DSF	40 43065(PC)	CV-076573
Jetta Golf Passat	FN	1600	81.00	4	1	1.75	DCI	Cr	R	08399200-00(GOETZE)	CV-081521
					2	2.5	ACI	P	NM		CV-081522
					O	5	DCI	Cr	DSF		CV-081523
Golf Passat Vento	AAM	1800	81.00	4	1	1.5	DCI	Cr	R-B		CV-081531
					2	1.75	ACI	P	NM		CV-081532
					O	3	DCI	Cr	DSF		CV-081533
Santana	DS	1800	81.00	4	1	1.5	DCI	Cr	R-B	08-109400-10 (GOETZE)	CV-081541
					2	1.75	ACI	P	NM		CV-081542
					O	2	DCI	Cr	DSF		CV-081543
PASSAT B4	APT	1800	81.00	4	1	1.5	DCI	Cr	R-B	R48000	CV-081551
					2	1.75	ACI	P	NM		CV-081552
					O	3	Steel	Cr	SLF		CV-081553
PASSAT B5	ANB	1800	81.00	4	1	1.5	DCI	Cr	R-B		CV-081561
					2	1.75	ACI	P	NM		CV-081562
					O	2	ACI	Cr	DSF		CV-081563

Vehicle Model	Engine Type	C.C.	Bore (mm)	Cyls	Position	Size H (mm)	Material Surface Treatment Ring Type			Part NO.	PCPR Product Code
VOLVO											
B3157T B615 L385 L485 L4950	TD67C	6700	104.78	6	1	2.39	ACI	CrP	ET	275308 08-392000-00	CV-104581
					2	3.16	ACI	P	R		CV-104582
					3	3.16	ACI	P	M		CV-104583
					0	4.75	ACI	CrP	DSF		CV-104584
					0	4.75	ACI	P	S		CV-104585
F88 FL88 G88 LM1254 LM1640 LM1641 N88 Parca654	TD100B TD101 TD102 THD102 TMD122	9600	120.65	6	1	2.39	ACI	MoP	B	271117 08-501400-00	CV-120571
					2	3.16	ACI	Cr	M		CV-120572
					0	4.75	ACI	Cr	DSF		CV-120573
N12 CH230 TMarinemotor F89/F12/ N12	TAD120 TAMD120 TD120 TA122	12000	130.18	6	1	2.38	ACI	MoP	B	275321 08-405600-00	CV-130621
					2	3.18	ACI	CrP	IF		CV-130622
					0	4.76	ACI	CrP	DSF		CV-130624
FH12	D12AEURO 2	12100	131.00	6	1	4	ACI	MoP	ET	08-123200-00	CV-131511
					2	3	ACI	CrP	IF		CV-131512
					0	4	ACI	CrP	DSF		CV-131513
F16	TD162	16100	144.00	6	1	2.385	ACI	MoP	R	08-500300-00	CV-144511
					2	3.16	ACI	CrP	IF		CV-144512
					0	4.74	ACI	CrP	DSF		CV-144513
Eminbamotor marinemotor F16	TAMD162C TD163	16100	144.00	6	1	2.96	ACI	MoP	R		CV-144521
					2	3.46	ACI	CrP	IF		CV-144522
					0	5	ACI	CrP	DSF		CV-144523