

Introduction

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Cross Reference

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Buyers Guide

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Start-assist systems



Combustion systems for diesel engines

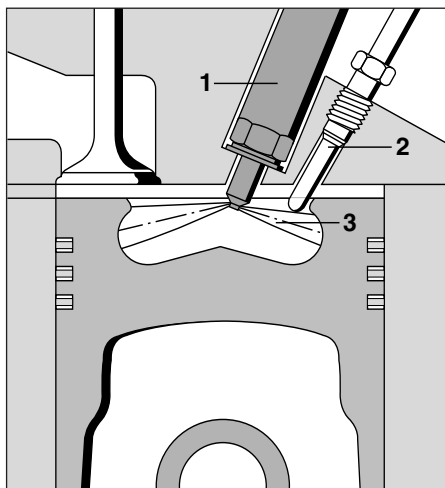
Diesel engines are not so willing to start at low temperatures. Besides the increase in friction moment, leakage and heat losses during compression of the air reduce the compression and the temperature until starting is no longer possible without additional facilities.

The starting limit temperature additionally depends on the design of the engine.

Direct injections engines (DI engines) with a one-part combustion chamber (Figure a) have a lower heat loss than pre-chamber (Figure b) or whirl-chamber engines (Figure c) with a split combustion chamber and therefore exhibit improved starting response.

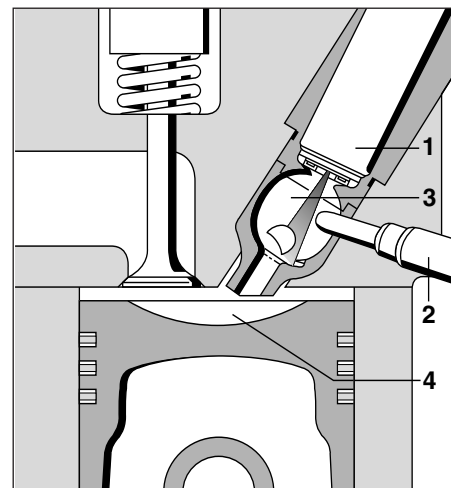
In the case of pre-chamber and whirl-chamber engines, the sheathed element of the glow plug protrudes into the pre-chamber or whirl-chamber whereas, in the case of DI engines, it protrudes into the engine's combustion chamber.

In large-displacement DI engines, the intake air is preheated with flame or heater plugs (Figure d) or with a heating flange.



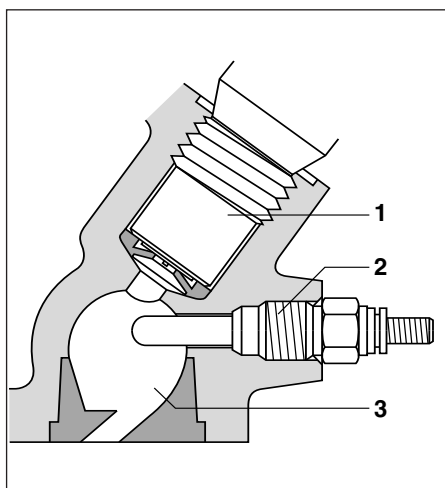
1 Direct-Injection (DI) engine

- 1 Nozzle holder with injection nozzle
- 2 Sheathed-element glow plug
- 3 Combustion chamber



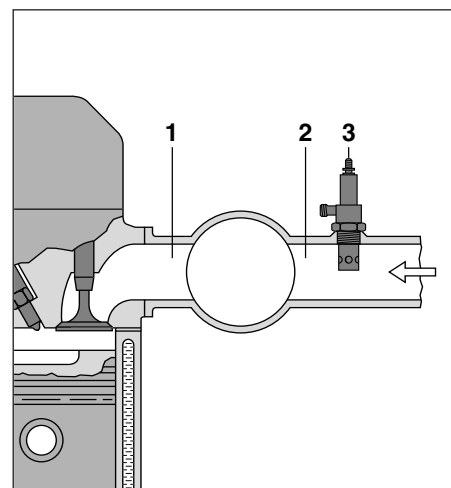
2 Pre-chamber engine

- 1 Nozzle holder with injection nozzle
- 2 Sheathed-element glow plug
- 3 Pre-chamber
- 4 Combustion chamber



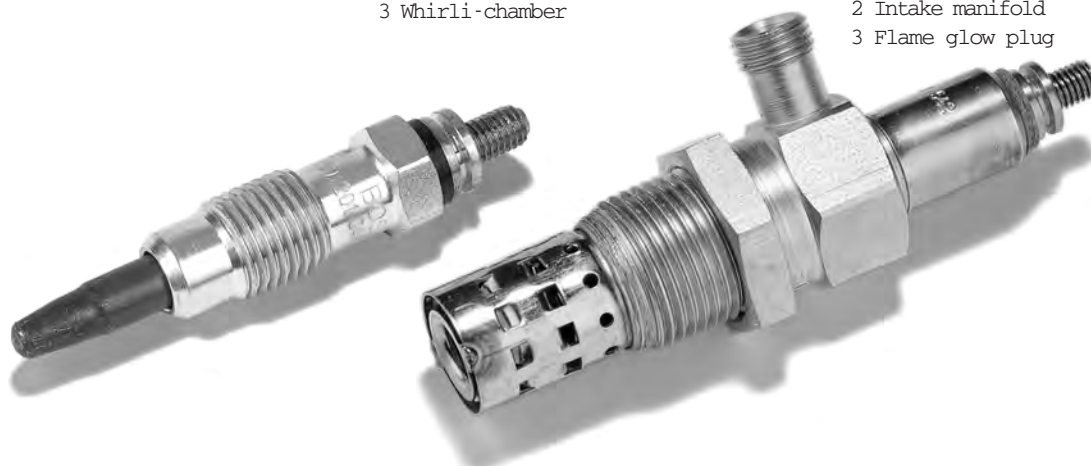
3 Whirl-chamber engine

- 1 Nozzle holder with injection nozzle
- 2 Sheathed-element glow plug
- 3 Whirl-chamber

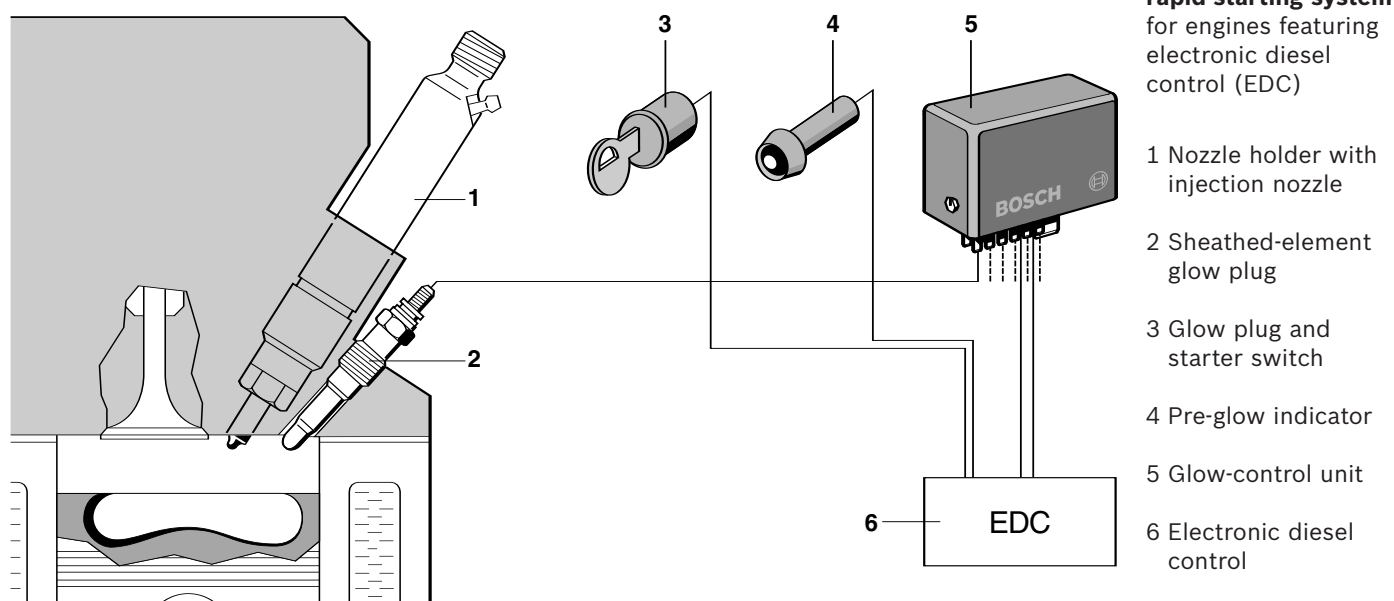


4 Starting assistance with flame glow

- 1 Manifold runner
- 2 Intake manifold
- 3 Flame glow plug

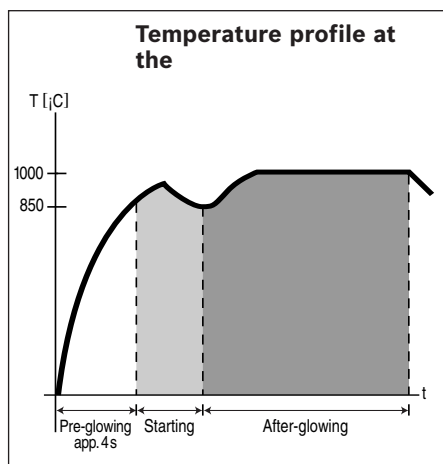


Starting diesel engines



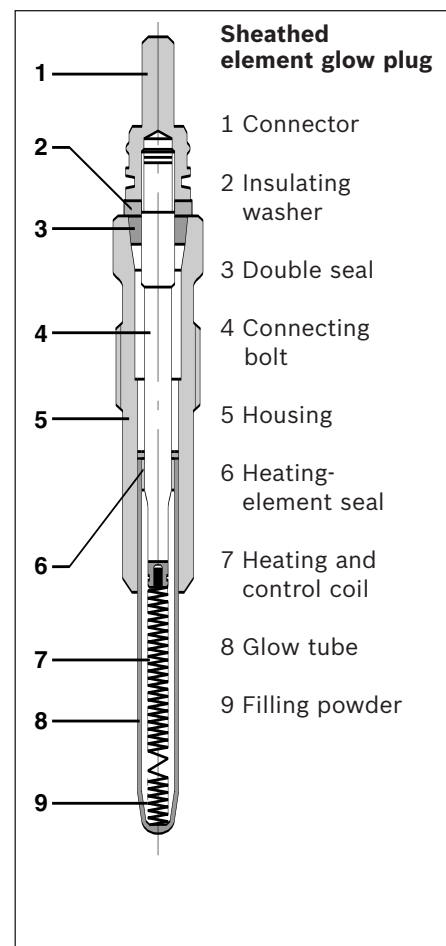
Diesel engines are compression-ignition engines. The injected fuel is ignited automatically by the air that is compressed and heated during the compression stroke. At low outdoor temperatures and when the engine is cool, however, the fuel does not ignite at all or only insufficiently. This is why glow plugs are used to assist starting.

For starting, they are heated up to around 850 °C. This pre-glowing lasts for the entire starting operation. In more recent engine models, in many cases they continue to glow for several minutes. This after-glowing reduces the pollution content of the exhaust and ensures smooth running of the engine directly after starting, even at low speeds.



This is possible thanks to the use of special material (Co 8 Fe) for the control coil in Duraterm sheathed-element glow plugs – with Bosch patent.

Vehicles which are equipped with a post-glow-function require Duraterm sheathed-element glow plugs as a replacement. The post-glow function can be retrofitted in older vehicles in the form of a rapid-starting kit (see page ?)



[illegible]

Vehicle Application



								
ALFA ROMEO								
Alfetta								
2.0 TD	10.79-03.83	4	VM4HT		11	12		0 250 201 034
2.4 TD	04.83-12.84	4	VM4HT		11	12		0 250 201 034
Giulietta								
2.0 TD	03.83-04.85	4	VM4HT		11	12		0 250 201 034
6								
2.5 TD	06.83-02.87	5	VM-HR588HT		11	12		0 250 201 034
33								
1.8 TD	09.86-12.89	3	VM82A		11	12		0 250 201 034
1.8 TD	02.90-10.94	3	VM96A		11	12		0 250 201 034
1.8 TD Wagon	01.90-10.94	3	VM82A, VM96A		11	12		0 250 201 034
75								
2.0 TD	05.85-02.92	4	VM80A		11	12		0 250 201 034
2.4 TD	09.88-02.92	4	VM81A		11	12		0 250 201 034
90								
2.4 TD	10.84-01.87	4	VM81 A		11	12		0 250 201 034
145								
2.0 TD	04.94-11.96	4	AR67501		11	12		0 250 201 039
146								
2.0 TD	12.94-11.96	4	AR67501		11	12		0 250 201 039
155								
2.5 TD	04.93-05.95	4	VM07B, VM31B		11	12		0 250 201 039
164								
2.5 TD	06.87-09.92	4	VM84A		11	12		0 250 201 034
AUDI								
80								
D	08.80-08.86	4			11	12		0 250 201 032
TD	08.80-08.86	4			11	12		0 250 201 032
100								
2.0 D	08.78-00.90	5	CN, DE, NC		11	12		0 250 201 032
2.0 TD	08.78-00.90	5	CN, DE, NC		11	12		0 250 201 032
BMW								
324								
D	09.85-12.90	6	246D		11	12		0 250 201 039
524								
D	03.86-12.87	6	246DA		11	12		0 250 201 039
TD	09.83-12.87	6	246TA		11	12		0 250 201 039
CITROEN								
BX								
TZD	00.88-00.95	4	A8AXUD7TE		11	12		0 250 201 039
TZD TD	00.88-00.95	4	A8AXUD7TE		11	12		0 250 201 039
CLAAS								
Compact 25	00.74-00.76	4	MBOM615		0.9			0 250 001 016
DAIHATSU								
Charade								
	01.83-	3	CL10	N-G30,30V	7	12	19850-87701	GPD-903
	01.87-	3	CL30	Q-G101S(MT)	11	12	19850-87703	GPD-906
	09.84-	3	CL50 T	N-G30(MT)	7	12	19850-87701	GPD-903
	02.89-	3	CL70	Q-G101 (MT)	11	12	19850-87703	GPD-906
	01.87-	3	CL70 T	Q-G101S(MT)	11	12	19850-87703	GPD-906
Delta								
	08.88-	4	2C-T	Q-CB21G	7	12	19850-87701	GPD-903
	00.80-02.83	4	3B	K-V48	20.5	24	19850-56012	GPT-207
	02.83-07.84	4	3B	N-V40, 42, 47, 48	10.5	12	19850-68010	GPT-218
	05.95-	4	3B	KC-BU100N, 105N	23	24	19850-58010	GPT-228
	09.84-08.88	4	13B	P-V75, 76, 78, 79	14	24	19850-68060	GPT-217



					V	B V		
DAIHATSU cont.								
Delta cont.								
	08.88-04.95	4	14B	U-V115, 116, 118, 119	23	24	19850-58010	GPT-228
	08.77-09.80	4	B	V10, 11, 12 K-V10, 11, 12, 17, 18	20.5	24	19850-56012	GPT-207
	09.80-07.88	4	B	N-V10, 12, 13, 15 98D, 99	14	24	19850-68060	GPT-217
	08.88-04.95	4	B	N-V98, V98D, V99	23	24	19850-58010	GPT-228
	08.77-02.83	4	DG	V20, 23, 24, 25, 26 K-V20, 23, 24, 25, 26	8.5	12	19850-87309	GPT-208
	02.83-04.95	4	DL	N-V54, 56, 57	7	12	19850-87701	GPD-903
	05.99-	4	J05C	KK-XZU300P, 310J KK-XZU320J, 330N KK-XZU340N, 350P KK-XZU40J/N, 410N KK-XZU420N, 421N, 430N	23	24	19850-89101 067100-1830	GPH-409
	05.99-	4	S05C	KK-XZU302J/N/P/U KK-XZU307N/Z KK-XZU312U, 322N/U KK-XZU337N, 347N KK-XZU352U, 362J/N/U KK-XZU346N, 351U KK-XZU372N, 411N	23	24	19850-89101 067100-1830	GPH-409
	05.99-	4	S05D	KK-XZU301J/P/U, 306N KK-XZU311J/U, 321J/U KK-XZU331N, 341N KK-XZU346N, 351U KK-XZU371N, 411N	23	24	19850-89101 067100-1830	GPH-409
Delta Wide								
	05.83-08.88	4	1C	N-CB26V, S-CB26V	7	12	19850-87701 19850-64020	GPD-903
	05.83-11.96	4	2C	N-CB21G, S-CB27V KC-CB27V	7	12	19850-87701 19850-64020 19850-64050	GPD-903
	08.85-08.95	4	2C-T	N-CB21G, Q-CB21G	7	12	19850-87701 19850-64020 19850-64030	GPD-903
	09.93-11.96	4	3C-T	Y-CB22G, KD-CB22G KD-CB31G	7	12	19850-87701 19850-64020 19850-64030	GPD-903
Taft								
	08.78-11.82	4	DG	F50, K-F50	8.5	12	19850-87309	GPT-208
	12.82-04.84	4	DL	N-F60	7	12	19850-87701	GPD-903
Rugger								
	05.84-	4	DL	N-F70V, MD, D	7	12	19850-87701	GPD-903
	05.84-	4	DL50	N-F70, 70V, 75V, F75V MBGT	7	12	19850-87701	GPD-903
DAEWOO								
Korando								
2.3 D	07.96-	4	OM661D23		11	12		0 250 201 041
2.3 D Family	10.86-06.96	4	OM661D23		11	12		0 250 201 041
2.9 D	07.96-	5	OM662D29		11	12		0 250 201 041
2.9 TD Intercooler	04.96-	5	OM662D29		11	12		0 250 201 041
Musso								
2.3 D	07.93-	4	OM661D23		11	12		0 250 201 041
2.9 D	07.93-	5	OM662D29		11	12		0 250 201 041
2.9 TD Intercooler	05.97-	5	OM662D29		11	12		0 250 201 041
DEUTZ								
D25								
	00.63-00.65	2	F2L812		11	12		0 250 200 055
D30								
	00.63-00.65	2	F2L812		11	12		0 250 200 055
D40L								
	00.63-00.65	3	F3L812		11	12		0 250 200 002





					V	B V		
DEUTZ cont.								
D2505	00.65-00.67	2	F2L812		11	12		0 250 200 055
D4505								
	00.65-00.67	3	F3L812		11	12		0 250 200 055
D5005								
	00.65-00.67	4	F4L812		11	12		0 250 200 055
D5206								
	00.74-00.80	3	F3L912		11	12		0 257 204 003
D5505								
	00.65-00.67	4	F4L812		11	12		0 250 200 055
D6206								
	00.74-00.80	4	F4L912		11	12		0 257 204 003
D6806								
	00.74-00.80	4	F4L912		11	12		0 257 204 003
D7206								
	00.74-00.80	4	F4L912		11	12		0 257 204 003
D8005								
	00.65-00.67	6	F6L812		11	12		0 250 200 055
D8006								
	00.70-00.78	6	F6L912		11	12		0 257 204 003
D10006								
	00.70-00.78	6	F6L912		11	12		0 257 204 003
D13006								
	00.72-00.78	6	BF6L912		11	12		0 257 204 003
Intrac								
2002	00.73-00.76	3	F3L912		11	12		0 257 204 003
2003	00.74-00.80	4	F4L912H		11	12		0 257 204 003
Engines								
	00.88-	6	F6L413FR		11	12		0 257 201 001
	00.76-	8	F8L413F		11	12		0 257 201 001
	00.76-	10	F10L413F		11	12		0 257 201 001
FIAT								
1300								
1300D	04.81-12.86	4			11	12		0 250 201 039
Argenta								
2500 D	06.81-11.85	4	8144.61..		11	12		0 250 201 039
2500 TD	06.83-11.85	4	8144.81..		11	12		0 250 201 039
Campagnola								
2.5 D	06.79-10.86	4	8142.61		11	12		0 250 201 039
Daily								
2.5 D	04.78-12.82	4	8140.61		11	12		0 250 201 039
Ducato								
1.9 D	02.87-	4			11	12		0 250 201 039
2.5 D	07.82-03.98	4			11	12		0 250 201 039
2.5 D Maxi	01.86-02.94	4			11	12		0 250 201 039
2.5 TD Maxi	01.86-02.94	4			11	12		0 250 201 039
Fiorino								
1.3 D	01.88-08.93	4	127A5.000		11	12		0 250 201 039
1.7 D	01.88-	4	146B2.000		11	12		0 250 201 039
1.7 TD	02.97-	4	146D7.000		11	12		0 250 201 039
Maratea								
2500 D	06.83-12.84	4	8144.61..		11	12		0 250 201 039
2000 D	03.78-01.84	4	8144.65..		11	12		0 250 201 039

					V	B V		
FIAT cont.								
Mirafiori								
2500 D	08.78-01.84	4	8144.61..		11	12		0 250 201 039
Panorama								
2500 D	08.78-01.84	4	8144.61..		11	12		0 250 201 039
Regata								
1.7 D	09.83-03.89	4	138B..		11	12		0 250 201 039
1.9 D Super	04.84-07.89	4	149A1..		11	12		0 250 201 039
1.9 TD	12.85-12.87	4	831D1..		11	12		0 250 201 039
Tempra								
1.9 D	02.90-12.96	4			11	12		0 250 201 039
1.9 TD	07.90-12.96	4			11	12		0 250 201 039
Tipo								
1.7 D	07.87-10.95	4	149B4.000		11	12		0 250 201 039
1.9 D	07.89-03.93	4	160A7.000		11	12		0 250 201 039
1.9 TD	07.87-03.93	4	160A6.000		11	12		0 250 201 039
	06.90-03.93	4	160B6.046		11	12		0 250 201 039
1.9 D	03.93-10.95	4	160A7.000		11	12		0 250 201 039
1.9 TD	03.93-10.95	4	160D1.000		11	12		0 250 201 039
	03.93-10.95	4	160A6.000		11	12		0 250 201 039
Uno								
1.3 D	06.83-08.89	4	127A5.000		11	12		0 250 201 039
1.3 D	09.89-03.92	4	146B1.000		11	12		0 250 201 039
1.4 TD	03.86-09.92	4	146B3.000		11	12		0 250 201 039
1.7 D	07.86-08.89	4	149B3.000		11	12		0 250 201 039
1.7 D	09.89-03.94	4	146B2.000		11	12		0 250 201 039
Mondo 1.7 D	01.96-04.99	4	146B2.000		11	12		0 250 201 039
Van 1.7 D	01.91-03.94	4	146B2.000		11	12		0 250 201 039
FORD								
Courier								
2200	00.80-00.84	4	S2		12	12	1353-18-140	GPM-501
	00.84-	4	R2		10.5	12	S501-18-140	GPM-502
Econovan								
2200	00.81-00.84	4	S2		12	12	1353-18-140	GPM-501
	00.84-	4	R2		10.5	12	S501-18-140	GPM-502
Escort								
1.6L	00.84-00.89	4	LTA, LTC		11	12		0 250 202 001
Fiesta								
1.6L	00.84-00.89	4	LTB		11	12		0 250 202 001
Granada								
2.1L	00.79-00.82	4	WTA		11	12		0 250 201 039
2.5L	00.83-00.85	4	STP		11	12		0 250 201 039
Orion								
1.6L	00.84-00.89	4	LTA, LTC		11	12		0 250 202 001
Scorpio								
2.5L	00.85-00.92	4	STR		11	12		0 250 201 039
Sierra								
2.3L	00.83-00.89	4	YTR, YTT		11	12		0 250 201 039
Spectron								
2.0 D	01.88-12.98	4	RF		23	24	SE01-18-140	GPM-503
Trader								
0409 3.0L	00.79-00.84	6	HA, ZB		10.5	12	S501-18-140	GPM-502
0509 3.0L	00.79-00.84	6	HA, ZB		10.5	12	S501-18-140	GPM-502
0609 3.0L	00.79-00.84	6	HA, ZB		10.5	12	S501-18-140	GPM-502
0711 4.1L	10.80-	6	HA, ZB		23	24	SE01-18-140	GPM-503
Transit								
2.4L	00.78-00.83	4	York/Standard		11	12		0 250 202 001





Cyl.



Eng. code



Chassis No.

V

B
V



OE No.



Bosch No.

HANOMAG
77C

	00.80-	6	D963-A2		19	24		0 257 201 001
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600C

	00.80-00.82	6	D962-K		19	24		0 257 201 001
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C44C

	00.80-00.92	4	D943B		19	24		0 257 201 001
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C55C

	00.80-	6	D962B		19	24		0 257 201 001
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C66C TD

	00.80-	6	D963-A1		19	24		0 257 201 001
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D600 D

	00.80-	6	D962-K		19	24		0 257 201 001
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D700 TD

	00.80-	6	D963-A1		19	24		0 257 201 001
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L600 D

	00.80-	6	D962-K		19	24		0 257 201 001
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HINO
Dutoro

	05.99-	4	J05C	KK- XZU420	23	24	19110-1220 067100-1830	GPH-409
	05.99-	4	S05C	KK-XZU347	23	24	19110-1220 067100-1830	GPH-409
	05.99-	4	S05D	KK-XZU306, 321, 411, 301	23	24	19110-1220 067100-1830	GPH-409

Ranger

	00.79-00.82	4	3B	K-HV48	20.5	24	1985A56012	GPT-207
	00.83-	4	3B	N-HV40, 42, 47, 48	14	24	1985A68060	GPT-217
	00.83-	4	B	N-HV10, 11, 12, 13, 15, 99	14	24	1985A68060	GPT-217
	00.78-	4	DG	HV23, 25 K-HV23, 25	8.5	12	1985A56022	GPT-208
	00.69-	6	DM100	KM300, 310, 320, 330 KM340, 350	19	24	6301330010 19110-1040A	GPH-402
	00.71-	6	DQ100	KM500, 510, 520, 540 K-KM510, 520, 540 KQ320, 500, 520, 540, 560	19	24	6301330010 19110-1040A	GPH-402
	00.69-	6	EC100	KL300, 321, 340, 350, 360 KL380, WB310, K-FD124	19	24	6301330010 19110-1040A	GPH-402
	00.72-	6	EH100	KJ 500, KL500, 520, 540 KL550, 560 K-KL500, 520, 560, KR300 K-KR320, 360, K-WB321 KU590, WB311, 321	19	24	6301330010 19110-1040A	GPH-402
	00.74-	6	EH300	KJ501, KL501, 521, 541 KL561, 581 KR301, 321 KR361, KU581	19	24	6301330010 19110-1040A	GPH-402
	00.84-00.86	6	EM100	FG22, SG22	10.5	12	19110-1160	GPH-408
	00.84-00.91	6	HO6C	FE/FF/FG19, SG19	10.5	12	19110-1160	GPH-408
	00.87-00.91	6	HO6C-TH	SG23	10.5	12	19110-1160	GPH-408
	00.92-	6	HO6C-TM	FF23, SG23	10.5	12	19110-1160	GPH-408
	00.93-00.97	6	HO6C-TM	SG3323, SG5523 SG1H, SG1HD	10.5	12	19110-1160	GPH-408
	00.92-	6	HO6C-TN	FE/FD/FF20, GC20, SG20	10.5	12	19110-1160	GPH-408
	00.93-00.97	6	HO6C-TN	FF3020, SG3320 FF4H, SG4H	10.5	12	19110-1160	GPH-408
	00.93-00.97	6	HO6C-TP	FD2218, FE2618, FF3018 FD5H, FE5H, FF5H	10.5	12	19110-1160	GPH-408
	00.84-00.91	6	HO7C	FD17, GC17, SF17 FE/FF17	10.5	12	19110-1160	GPH-408
	00.95-	6	J05C	KC-FB4	23	24	19110-1220	GPH-409
	00.87-00.91	4	WO4C	FA/FB14	10.5	12	19110-1160	GPH-408
	00.92-	4	WO4C-TH	FA/FB15	10.5	12	19110-1160	GPH-408
	00.86-00.87	6	WO6E	FD/FE16	10.5	12	19110-1160	GPH-408

					V	B V		
HINO cont.								
Truck								
	00.71-	6	EB300	HE320, KB112, 113, 122 KB302, 303, 304, 312, 313 KB314, 322, 324, 342, 344 KB362, 364, 382, 384, 394 KB, 720, 721, K-KB304, 314 K-KB324, 344, 364, 384, 394 K-KB721, 980, KH120 K-ZH100, K-ZR250 ZT300, 320, K-ZT320	19	24	6301330010 19110-1040A	GPH-402
	00.70-00.76	6	EC100	HL300, KJ300	19	24	6301330010 19110-1040A	GPH-402
	00.73-00.76	6	EH100	HL500, KJ500, KU580, 590	19	24	6301330010 19110-1040A	GPH-402
	00.74-	6	EH300	KJ501, KU581, 591	19	24	6301330010 19110-1040A	GPH-402
Rainbow Bus								
	00.70-00.76	6	DM100	BM320	19	24	6301330010	GPH-402
	00.70-	6	EB200	RE100, 120, 140	19	24	6301330010 19110-1040A	GPH-402
	00.77-	6	EB400	RE1014, 161, K-RE121	19	24	6301330010 19110-1040A	GPH-402
	00.70-00.79	6	EC100	AM100, RL100	19	24	6301330010 19110-1040A	GPH-402
	00.88-	6	EH100	A-AM101	19	24	6301330010 19110-1040A	GPH-402
	00.75-	6	EH300	RD300, RL300, 320	19	24	6301330010 19110-1040A	GPH-402
	00.95-	6	JO5C	RX4, KC-RH4	23	24	19110-1220	GPH-409
HOLDEN								
Gemini								
TE	00.79-00.82	4	4FB1		5	12		GPI-005
TF	00.79-00.82	4	4FB1		5	12		GPI-005
Jackaroo								
UBS13, 52	00.81-00.88	4	C223		5	12	8-94221719-3 8-94241449-0 8-94255588-0	GPI-005
UBS55 Turbo	00.88-00.92	4	4JB1T		11	12	8-94175158-0 8-94133759-5	GPI-010
	08.92-	4	4JG2		11	12	8-94387612-1 8-97044037-0	GPI-014
Rodeo								
KBD40	00.78-09.79	4	C190		10.5	12	9-82511978-0	GPI-003
KBD41, KBD42	10.79-00.87	4	C190		5	12	8-94221719-3 8-94241449-0 8-94255588-0	GPI-005
			C223		5	12	8-94221719-3 8-94241449-0 8-94255588-0	GPI-005
Turbo	01.90-	4	4JB1		11	12	8-94175158-0 8-94133759-5	GPI-010
Shuttle								
WRF	00.82-00.86	4	4FC1		5	12		GPI-005
HONDA								
Horizon								
	02.94-	4	4JG2	UBS69GWH	11	12	ZA8-9704-4037	GPI-014
Jazz								
	10.93-	4	4JG2	UCS69DWH	11	12	ZA8-9704-4037	GPI-014
INTERNATIONAL								
A554								
WD6					1.7			0 250 002 004
WD7					1.7			0 250 002 004
323V								
	00.65-00.74	3	D-111		9.5			0 250 200 021





					V	B V		
INTERNATIONAL cont.								
39..Series								
3944, 3945 Yumbo	00.73-00.86	4	KHD-F4L912		9.5			0 257 204 003
3960, 3961 Yumbo	00.73-00.86	6	KHD-F6L912		9.5			0 257 204 003
ISUZU								
117								
Coupe	12.79-06.81	4	C223	K-PAD96	5	12	8-94221719-3 8-94241449-0 8-94255588-0	GPI-005
BA Series								
(Bus)	00.68-	6	DA640	BA01, 05, 10, 20, 30	22.5	24	9-82511994-0 9-82511945-0	GPI-001
BE Series								
	00.73-00.79	4	4BB1	BE20	20.5	24	9-82513928-2	GPI-008
	00.80-	4	4BD1	K-BE22	20.5	24	9-82513928-2	GPI-008
BF Series								
(Bus)	00.68-	6	DA640	BF20, 30, 40, 50	22.5	24	9-82511994-0 9-82511945-0	GPI-001
BK Series								
	00.73-02.84	6	6BB1	BK32	20.5	24	9-82513928-2	GPI-008
BLD Series								
	00.80-	4	4BA1	K-BLD34	9.5	24	5-81410056-3 5-81410058-3	GPI-009
	00.80-06.81	4	4BC1	K-BLD35	9.5	24	5-81410056-3 5-81410058-3	GPI-009
	07.81-	4	4BC2	K-BLD35	20.5	24	9-82513928-2	GPI-008
	00.69-00.80	4	C240	BLD23	10.5	12	9-82511978-0	GPI-003
BS Series								
(Bus)	00.68-	6	DA640	BS10, 20	22.5	24	9-82511994-0 9-82511945-0	GPI-001
BU Series								
(Bus)	00.69-	6	DH100	BU04, 10, 20, 35	22.5	24	9-82511994-0 9-82511945-0	GPI-001
	00.69-00.71	6	E110	BU15	22.5	24	9-82511994-0 9-82511945-0	GPI-001
BXD Series								
	01.69-	6	DA640	BXD20, 30, 50	22.5	24	9-82511994-0 9-82511945-0	GPI-001
BY Series								
(Bus)	-00.69	6	D400	BY30	22.5	24	9-82511994-0 9-82511945-0	GPI-001
CCM Series								
	00.76-02.84	6	6BD1, 6BD1T	CCM370, 410, K-CCM410	20.5	24	9-82513928-2	GPI-008
(Bus)	00.79-02.84	6	6BD1	CCM340, 410	20.5	24	9-82513928-2	GPI-008
CLM Series								
(Bus)	00.69-	6	DH100	K-CLM470, 500, 550	22.5	24	9-82511994-0 9-82511945-0	GPI-001
DBR Series								
	00.73-02.84	6	6BB1	DBR370, K-DBR370	20.5	24	9-82513928-2	GPI-008
ECM Series								
(Bus)	00.79-02.84	6	6BD1	ECM430, K-ECM43	20.5	24	9-82513928-2	GPI-008
ESR Series								
Turbo	04.90-	6	6BG1	U-ESR12, W-ESR12	20.5	24	9-82513928-2	GPI-008
ETR Series								
	05.90	6	6BG1	P-ETR12	20.5	24	9-82513928-2	GPI-008
FBR Series								
	00.72-00.77	6	6BB1	FBR320, 370, 650	20.5	24	9-82513928-2	GPI-008

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ISUZU cont. FCR Series								
	00.76-01.84	6	6BD1	FCR320, 370, 420, 450 FCR480, 550, 650	20.5	24	9-82513928-2	GPI-008
FDR Series								
	00.79-	6	6BF1	K-FDR320, 370, 420, 450 K-FDR480, 550, 651	20.5	24	9-82513928-2	GPI-008
Florian								
	10.77-02.80 03.80-03.83	4 4	C190 C190	PAD30, K-PAD30, 30V K-PAD30, 30V	9 5	12 12	5-81410040-0 8-94221719-3 8-94241449-0 8-94255588-0	GPI-017 GPI-005
FPR Series								
Turbo	04.90-	6	6BG1	U-FPR12	20.5	24	9-82513928-2	GPI-008
FRR Series								
	02.84-	6	6BD1T	P-FRR12	20.5	24	9-82513928-2	GPI-008
	02.84-	6	6BG1	P-FRR11	20.5	24	9-82513928-2	GPI-008
	04.90-	6	6HE1	U-FRR32	20.5	24	9-82513928-2	GPI-008
	02.95-	6	6HH1	KC-FRR33G1, G2, H1, H2 KC-FRR33K1, K2, L1, L2 KC-FRR33M2, P2, T2, V2	23	24	8-94135377-4 8-97033761-0	GPI-021
FSD Series								
	04.90-	6	6HE1	U-FSD32	20.5	24	9-82513928-2	GPI-008
FSR Series								
	05.89- 04.90-	6 6	6BG1 6HE1	U-FSR12 U-FSR32	20.5 20.5	24 24	9-82513928-2 9-82513928-2	GPI-008 GPI-008
FTR Series								
Turbo	04.90- 04.90-	6 6	6BG1 6HE1	U-FTR12 U-FTR32	20.5 20.5	24 24	9-82513928-2 9-82513928-2	GPI-008 GPI-008
Gemini								
Non Turbo	10.79-09.81	4	4FB1	K-PFD60	5	12	8-94221719-3 8-94241449-0 8-94255588-0	GPI-005
	12.88-	4	4EC1	Q-JT600	11	12	8-94319700-1	GPI-013
Turbo	10.79-09.81	4	4FB1	K-PFD60			8-94221719-3 8-94241449-0 8-94255588-0	GPI-005
	12.88-	4	4EC1	Q-JT600	5 11	12 12	8-94255588-0 8-99481972-0	GPI-016
	04.90-	4	4EE1	Q-JT641F X-JT641F	11	12	8-94387612-1 8-97044037-0	GPI-014
JBR Series								
	00.72-00.77	6	6BB1	JBR360, 420, 500, 650	20.5	24	9-82513928-2	GPI-008
JCR Series								
	00.76-01.84	6	6BD1	JCR360, 420, 460, JCR500, 550, 650 K-JCR420, 500	20.5	24	9-82513928-2	GPI-008
JDR Series								
	00.79-	6	6BF1	K-JDR360, 420, 460, 500 K-JDR550, 650	20.5	24	9-82513928-2	GPI-008
KAD Series								
	00.70-09.77	4	C190	KAD40, 41, 50, 51	10.5	12	9-82511978-0	GPI-003
	00.76-00.78	4	C190	KAD51	10.5	12	9-82511978-0	GPI-003
	10.77-10.79	4	C190	KAD41, 51 K-KAD41, 51	9	12	5-81410040-0	GPI-017
	11.79-06.84	4	C190	K-KAD41, 52 N-KAD41, 51	5	12	8-94221719-3 8-94241449-0 8-94255588-0	GPI-005
	00.69-00.80	4	C240	K-KAD51	10.5	12	9-82511978-0	GPI-003
	00.78-10.79	4	C240	KAD42, 52	9	12	5-81410040-0	GPI-017
	11.79-06.84	4	C240	KAD42, 52 K-KAD42, 52 N-KAD42, 52	5	12	8-94221719-3 8-94241449-0 8-94255588-0	GPI-005



								
ISUZU cont. KBD Series								
	00.78-09.79	4	C190	KBD20, 25, 40	10.5	12	9-82511978-0	GPI-003
	10.79-	4	C190	KBD21, 26, 41 K/N-KBD21, 26, 41	9 5	12 12	5-81410040-0 8-94221719-0 8-94241449-0 8-94255588-0	GPI-017 GPI-005
	04.83-07.87	4	C223	N-KBD22, 27, 42, 47	5	12	8-94221719-0 8-94241449-0 8-94255588-0	GPI-005
	08.78-	4	C223	N-KBD22, 42, 47	11	12	8-94319700-1 8-94144412-0	GPI-013
KS Series								
	00.73-00.79	4	4BB1	KS11, 21, 31, 41	20.5	24	9-82513928-2	GPI-008
	00.80-06.84	4	4BD1	K-KS12, 22, 32 N-KS22, 32 P-KS22, 32	20.5	24	9-82513928-2	GPI-008
KT Series								
	10.79-06.81	4	4BC1	K-KT15, 25, 35	9.5	24	5-81410056-3 5-81410058-3	GPI-009
	07.81-06.84	4	4BC2	K-KT16, 26, 36 P-KT26	20.5	24	9-82513928-2	GPI-008
	02.80-06.84	4	4BA1	K-KT24	9.5	24	5-81410056-3 5-81410058-3	GPI-009
KUD Series								
	00.72-00.79	4	C240	KUD20	10.5	12	9-82511978-0	GPI-003
LR Series								
	00.76-02.84	6	6BD1, 6BD1T	P-LR211	20.5	24	9-82513928-2	GPI-008
	00.84-	6	6BG1	P-LR312	20.5	24	9-82513928-2	GPI-008
LT Series (Bus)								
	00.84-	6	6BG1	P-LT312	20.5	24	9-82513928-2 8-94133759-5	GPI-008
NFR Series								
	08.90-	4	4FG1	U-NFR62DT	11	12	8-94387612-1 8-97044037-0 8-97043744-0	GPI-014
NHR Series								
	07.84-	4	4JA1	P/S-NHR54, 54C, 54E, P/S-NHR55, 55C, 55CA P/S-NHR55E, 55EA P-NHR54	11	12	8-94175158-0 8-94133759-5	GPI-010
	07.84-	4	4JB1	P/S-NHR54, 54C, 54E, P/S-NHR55, 55C P/S-NHR55E, 55CA, 55EA	11	12	8-94175158-0 8-94133759-5	GPI-010
	07.93-	4	4JG2	U-NHR69	11	12	8-97043744-0 8-94387612-1 8-97044037-0	GPI-014
	03.95-	4	4JG2	U-NHR69, KC-NHR69	11	12	8-97043744-0 8-94387612-1 8-97044037-0	GPI-014
NHS Series								
	03.95-	4	4JG2	NHS69	11	12	8-97043744-0 8-94387612-1 8-97044037-0	GPI-014
NKR Series								
	07.84-	4	4BC2	P-NKR57	23	24	8-94135377-4	GPI-021
	07.84-	4	4JB1	NKR55	11	24	8-94175158-0 8-94133759-2	GPI-010
	08.90-	4	4FE1	U-NKR58EA U-NKR58LR	24		8-94135377-4 8-97033761-0	GPI-021
	08.90-	4	4HF1	NKR66	23	24	8-94135377-4 8-97033761-0	GPI-021
	07.93-	4	4BE1	U-NKR58	23	24	8-94135377-4 8-97033761-0	GPI-021

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ISUZU cont. NKR Series cont.								
	07.93-	4	4HF1	U-NKR66	23	24	8-94135377-4 8-97033761-0	GPI-021
	07.93-	4	4JG2	U-NKR69, NKR69	11	12	8-97043744-0 8-94387612-1 8-97044037-0	GPI-014
	07.93-	4	4BE2	U-NKR63	23	24	8-94135377-4 8-97033761-0	GPI-021
NPR Series								
	07.84-	4	4BC2	P-NPR57	23	24	8-94135377-4	GPI-021
	07.84-	4	4BD1	P-NPR59	23	24	8-94135377-4	GPI-021
Turbo	07.84-	4	4BD1	P-NPR59	23	24	8-94135377-4	GPI-021
	02.86-	4	4BD1	P-NPR59	23	24	8-94135377-4	GPI-021
Turbo	02.86-	4	4BD1	P-NPR59	23	24	8-94135377-4	GPI-021
	09.88	4	4BG1	U-NPR61GD U-NPR61LR, 61PR	23	24	8-94135377-4 8-97033761-0	GPI-021
	07.93	4	4HF1	U-NPR66	23	24	8-94135377-4 8-97033761-0	GPI-021
Turbo	07.93-	4	4HF1	U-NPR70	23	24	8-94135377-4 8-97033761-0	GPI-021
	08.90-	4	4HF1	U-NPR66, KC-NPR66	23	24	8-94135377-4 8-97033761-0	GPI-021
SBR Series								
	00.72-01.84	6	6BB1	SBR322M	20.5	24	9-82513928-2	GPI-008
	00.72-	6	6BB1	SBR320, 322, 332, 372, 380 SBR400, 422, 450, 452, 482 SBR500, 552, 560, 680 K-SBR372, 422	20.5	24	9-82513928-2	GPI-008
SCR Series								
	00.76-01.84	6	6BD1	SCR320EM, 320M	20.5	24	9-82513928-2	GPI-008
	00.76-01.84	6	6BD1	SCR330, 370, 420 K-SCR480	20.5	24	9-82513928-2	GPI-008
	00.76-	6	6BD1	SCR320, 370, 420, 422 SCR450, 480, 550	20.5	24	9-82513928-2	GPI-008
SCS Series								
	00.76-01.84	6	6BD1	K-SCS370	20.5	24	9-82513928-2	GPI-008
SDR Series (except fire engine)								
	00.78-01.84	6	6BF1	SDR320M	20.5	24	9-82513928-2	GPI-008
	00.79-	6	6BF1	K-SDR320, 370, 420, 450 K-SDR480, 550, 650	20.5	24	9-82513928-2	GPI-008
SFR Series								
	00.69-00.79	6	DA640	SFR330, 420, 460, 500, 600	22.5	24	9-82511994-0 9-82511945-0	GPI-001
SLR Series								
	00.65-	6	DH100	SLR350D, 360, 361 SLR400, 401, 401T SLR450, 462, 520, 531 SLR600, 670 K-SLR361, 401	22.5	24	9-82511994-0 9-82511945-0	GPI-001
TD Series								
	00.65-	6	DH100	TD40, 50, 50A, 60, 10E, 50E TD70E, 80E, 90E	22.5	24	9-82511994-0 9-82511945-0	GPI-001
	00.69-	6	E110	TD35E, 75E	22.5	24	9-82511994-0 9-82511945-0	GPI-001
TFR Series								
Turbo	01.90-	4	4JB1	S-TFR55F, 55H	11	12	8-94175158-0 8-94133759-5	GPI-010
TFS Series								
Turbo	01.90-	4	4JB1	S-TFR55F, 55H	11	12	8-94175158-0 8-94133759-5	GPI-010



								
ISUZU cont.								
TG Series								
	00.69-	6	E110	TG55	22.5	24	9-82511994-0 9-82511945-0	GPI-001
TLD Series								
	00.68-00.69	4	C221	TLD22	10.5	12	9-82511978-0	GPI-003
(Bus)	00.69-	4	C221	TLD22B	10.5	12	9-82511978-0	GPI-003
(Bus)	00.70-00.72	4	C240	TLD23B	10.5	12	9-82511978-0	GPI-003
	00.70-09.77	4	C240	TLD13, 23, 33, 43, 53, 63	10.5	12	9-82511978-0	GPI-003
	10.77-01.80	4	C240	TLD23, K-TLD63	9	12	5-81410040-0	GPI-017
	02.80-06.84	4	C240	K-TLD23, 43, 53, N-TLD23	5	12	8-94221719-2 8-94241449-0 8-94255588-0	GPI-005
	02.80-06.84	4	4BA1	K-TLD24, 34, 44, 54, 64 N-TLD24, 34, 54	9.5	24	5-81410056-3 5-81410058-3	GPI-009
	10.79-06.81	4	4BC1	K-TLD55, 65, 75	9.5	24	5-81410056-3 5-81410058-3	GPI-009
	07.81-06.84	4	4BC2	K-TLD26, 46, 56 K-TLD64, 66, 76 P-TLD26, 56, 66	20.5	24	9-82513928-5	GPI-008
TM Series								
	00.69-	6	E110	TM85, 45E, 85E	22.5	24	9-82511994-0 9-82511945-0	GPI-001
TP Series								
	00.65-	6	DH100	TP60, 61, 77, 78, 81, 11E TP41E, 81E, 91E	22.5	24	9-82511994-0 9-82511945-0	GPI-001
TSD Series								
	00.69-00.74	6	DA120	TSD40	22.5	24	9-82511994-0 9-82511945-0	GPI-001
	00.69-00.79	6	DA640	TSD43	22.5	24	9-82511994-0 9-82511945-0	GPI-001
	00.65-	6	DH100	TSD50, 62, 70, 72	22.5	24	9-82511994-0 9-82511945-0	GPI-001
	00.76-01.84	6	6BD1	K-TSD45	20.5	24	9-82513928-2	GPI-008
TWD Series								
	00.69-00.74	6	DA120	TWD20	22.5	24	9-82511994-0 9-82511945-0	GPI-001
	00.69-00.79	6	DA640	TWD23	22.5	24	9-82511994-0 9-82511945-0	GPI-001
TXD Series								
	00.69-00.74	6	DA120	TXD10, 20, 30, 40, 50	22.5	24	9-82511994-0 9-82511945-0	GPI-001
	00.69-00.79	6	DA640	TXD 13, 23, 33 TXD 53, 60, 90 TXD10E, 30E, 40E, 50E, 80E K-TXD23	22.5	24	9-82511994-0 9-82511945-0	GPI-001
TY Series								
	00.68-00.74	6	D400	TY21, 31, 41, 51	22.5	24	9-82511994-0 9-82511945-0	GPI-001
UBS Series								
	09.81-07.87	4	C223	N-UBS52	5	12	8-94221719-3 8-94241449-0 8-94255588-0	GPI-005
Turbo	09.81-07.87	4	C223	N-UBS52	5	12	8-94221719-3 8-94241449-0 8-94255588-0	GPI-005
	08.87-07.90	4	C223	N-UBS52	11	12	8-94319700-1 8-94144412-0	GPI-013
Turbo	08.90-07.92	4	4JB1	Q-UBS55CW, Q-UBS55FW Q-UBS55FWR S-UBS55FM, S-UBS55CK	11	12	8-94175158-0 8-94133759-5	GPI-010
	06.98- 08.92-	4 4	4JX1 4JG2	KH-UBS73 Q-UBS69GW, 69DW KD-UBS69GW, 69DW	11 11	12 12	8-97143674-1 8-94387612-1 8-97044037-0	GPI-026 GPI-014

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ISUZU cont.								
UCS Series								
Turbo	08.90-	4	4JB1	Q-UCS55	11	12	8-94175178-0	GPI-010
	10.93-06.98	4	4JG2	UCS69DWM	11	12	8-94133759-5 8-97044037-0	GPI-014
UES Series								
	06.98-	4	4JX1	KH-UES73	11	12	8-97143674-1	GPI-026
UFR Series								
	01.83-07.87	4	C223	N-UFR52G	5	12	8-94221719-3 8-94241449-0 8-94255588-0	GPI-005
Turbo	01.83-07.87	4	C223	N-UFR52G	5	12	8-94221719-3 8-94241449-0 8-94255588-0	GPI-005
	08.87-	4	C223	N-UFR52G	11	12	8-94319700-1	GPI-013
VBR Series								
	00.72-01.84	6	6BB1	VBR320	20.5	24	9-82513928-2	GPI-008
VCR Series								
	00.76-01.84	6	6BD1	K-VCR320	20.5	24	9-82513928-2	GPI-008
VDR Series								
	00.79-	6	6BF1	K-VDR320	20.5	24	9-82513928-2	GPI-008
WFR Series								
	01.81-06.82	4	4FB1	K-WFR50	5	12	8-94241449-0 8-94255588-0	GPI-005
	01.81-06.82	4	4FC1	K-WFR51 N-WFR51	5	12	8-94241449-0 8-94255588-0	GPI-005
Turbo	03.85-	4	4JB1	P-WHR55	11	12	8-94175158-0 8-94133759-5	GPI-010
	08.90-	4	4FG1	U-WFR62DV, 62FV U-WFR62FVH	11	12	8-94387612-1 8-97044037-0 8-97043744-0	GPI-014
WFS Series								
	08.90-	4	4FG1	U-WFS62DV	11	12	8-94387612-1 8-97044037-0 8-97043744-0	GPI-014
WKR Series								
	03.85-	4	4BJ1, 4BJ2	P-WKR55	11	24	8-94175158-0 8-94133759-2	GPI-010
YBR Series								
	00.72-00.77	6	6BB1	YBR310, 360	20.5	24	9-82513928-2	GPI-008
YZ Series								
	00.65-	6	DH100	YZ20	22.5	24	9-82511994-0 9-82511945-0	GPI-001
IVECO								
Daily, Grinta								
Restyling 30-8	04.78-06.89	4	8140.61		11	12		0 250 201 039
JEEP								
Renegade								
CJF	00.81-00.82	4	C240		9.5	24		GPI-009
KIA								
Pregio								
2.7 D	02.97-07.01	4	J2					0 250 202 089
LEYLAND including AUSTIN								
Tractor								
1.5L, 1.8L		4			11	12		0 250 200 035
220								
		4			11	12		0 250 200 035





					V	B V		
LEYLAND including AUSTIN cont.								
240		4			11	12		0 250 200 035
350								
FG		4			11	12		0 250 200 035
950								
		4			11	12		0 250 200 035
1500								
		4			11	12		0 250 200 035
2500								
		4			11	12		0 250 200 035
A60								
		4			11	12		0 250 200 035
EA								
					11	12		0 250 200 035
FL2/R								
Hire Car 2.5L	08.83-		Rover		11	12		0 250 201 039
FX4/R								
Taxi 2.5L	08.83-		Rover		11	12		0 250 201 039
Marina Van								
		4			11	12		0 250 200 035
Redline								
340FG		4			11	12		0 250 200 035
Sherpa								
1798cc		4			11	12		0 250 201 034
1.5L		4			11	12		0 250 200 035
1.8L		4			11	12		0 250 201 034
200	05.86-03.89	4	Perkins-Prima 65		11	12		0 250 201 039
MAN								
16t 16.192F..								
	03.84-11.86	5	D0226		19	24		0 257 201 004
16t 16.192 F../H..								
	03.77-12.86	5	D2565		19	24		0 257 201 004
26t 26.281 DF../DH..								
	02.80-01.88	6	D2566		19	24		0 257 201 004
32t 32.281 DF../DH..								
	02.80-01.88	6	D2566		19	24		0 257 201 004
MAZDA								
626 / Capella								
	09.83-	4	RF	N-GCFP, Q-GDFP, N-GDFP	10.5	12	S501-18-140A S201-18-140	GPM-502
	09.92-	4	RF	KB-GVFV, GVFW, GVFR	11	12	RFG1-18-601	GPM-510
	07.87-07.92	4	RF	N-GDFP, Q-GDFI, GDFP	12	12	S210-18-140	GPM-504
B Series								
B2200	00.80-00.85	4	S2		12	12		GPM-501
	00.84-	4	R2		10.5	12		GPM-502
Bongo								
	10.79-12.80	4	S2	K-BA2S8, 8V, K-BA2S9, 9V	12	12	1353-18-140 1353-18-140A	GPM-501
	01.81-	4	S2	K-BA2S8, 8H, 8V K-BA2S9, 9V, N-BA2S8, 9	12	12	1353-18-140	GPM-501
	11.86-08.87	4	S2	N-SS28M	10.5	12	S501-18-140A	GPM-502
	06.83-08.93	4	RF	N-SRF9W, SEF8T, SSF8V, 8W S-SSF8V, SEF8T, U-SSF8V Q-SRF9W, SSF8W	10.5	12	S501-18-140A	GPM-502

					V	B V		
MAZDA cont.								
Bongo cont.								
	06.83-08.93	4	R2	N-SR2AM, 2AV, 29V N-SD29M, 29T, 2AT N-SS28M N-SE28M U-SR2AM, 2AV, 29V U-SD29M, 29T, 2AM, 2AT Q-SS28R U-SE28M, S-SD29T S-SS28M	10.5	12	S501-18-140A	GPM-502
	08.93-09.96	4	R2	U-SR2AM, 2AV, 29V U-SD29M, 29T, 2AM, 2AT U-SS28V, U-SE28M KB-SS28M, 28V, KB-SE28T KC-SE28M, SS28V	12	12	RFJ5-18-601	GPM-511
	08.95-05.97	4	R2	KC-SR2AM, 2AV, 29V KC-SD2AM, 2AT, 29M, 29T	11	12	RFJ5-18-601	GPM-511
	06.99-	4	R2	KF-SK22V, 22T, 22L KJ-SK22V, 22T KG-SK22V, 22M, 22L KG-SK24T, 26T, 24L, 26L	11	12	RF1M-18-601	GPM-515
	09.94-	4	VS	SRF9W	11	12	RFP1-18-601	GPM-517
	08.93-09.95	4	RF T	Y-SRF9W, SSF8R, 8W S-SSF8V	12	12	RFJ5-18-601	GPM-511
	08.87-08.93	4	RF T	Q-SRF9W, Q-SSF8R, 8W	10.5	12	S501-18-140A	GPM-502
	09.95-06.99	4	RF T	KD-SSF8R, 8W	11	12	RFP1-18-601	GPM-517
	08.93-09.95	4	RF iT	Y-SRF9W, SSF8R, 8W S-SSF8V	11	12	RFP1-18-601	GPM-517
	05.97-06.99	4	WL	KC-SD5AM, 5AT, 59M, 59T KC-SR59V, 5AM, 5AV	11	12	RFP1-18-601	GPM-515
	06.99-	4	WL	KG, SK54V, 56V, 5HV 56M, 5HM KG-SK54T, 56T, 54L, 56L	11	12	RFP1-18-601	GPM-515
Bongo Friendee								
	11.97-09.99	4	WL-T	KD-SGL3, L5, LW, LR	11	12	WL03-18-601	GPM-513
	09.99-	4	WL-T	KH-SGL3, L5, LW, LR	11	12	RFP1-18-601	GPM-515
Bongo Brounie								
	05.95-	4	WL-T	KC-SD5AT, SR5A, SD59T KC-SD59M, SD2AT	11	12	WL03-18-601	GPM-513
Cosmo								
	10.83-	4	S2	N-HBPS2	12	12	S210-18-140	GPM-504
Cronos								
	03.92-	4	RF	X-GEFP, Y-GEFP	11	12	RFJ5-18-601 RFG1-18-601	GPM-510
E Series								
E2200	00.81-00.84	4	S2		12	12		GPM-501
E2200	00.84-	4	R2		10.5	12		GPM-502
E2500	10.80-	4	XA		10.5	12		GPM-502
E2500					23	24		GPM-503
E3000	00.77-00.79	4	HA		23	24		GPM-503
E3000	10.81-00.84	4	HA		10.5	12		GPM-502
E4100	00.80-	4	ZB		10.5	12		GPM-502
					23	24		GPM-503
Eunos Cargo								
	11.89-08.93	4	RF	S-SSF8VE, SEE8TE U-SSF8VE Q-SSF8WE, SSE8RE	11	12	S501-18-140A	GPM-502
	11.89-08.93	4	RF	S-SS28ME, U-SE28ME	11	12	S501-18-140A	GPM-502
Familia								
	08.94-06.99	4	CD20	KD-BWEY10, X-BWEY10	11	12	1N02-18-601	GPN-331
	05.97-06.99	4	CD20	KA-BVEY10, BVENY10 KB-VEY10	11	12	1N03-18-601	GPN-331
	06.98	4	RF	KE-BJEP	11	12	RF1M-18-601	GPM-515
J80								
	00.83-	4	RF	N-SSF8VF	10.5	12	S501-18-140A	GPM-502





					V	B V		
MAZDA cont.								
Luce								
	09.80-09.81	4	S2	K-LA4SS	12	12	1353-18-140	GPM-501
	10.83-09.86	4	S2	N-HBPS2	12	12	1353-18-140A S210-18-140	GPM-504
M.P.V								
	10.95-06.99	4	WL-T	KD-LVLW, LVLR	11	12	WL03-18-601	GPM-513
MX6								
	03.93-	4	RF	GEFP	11	12	RFJ5-18-601	GPM-510
Parkway								
	10.80	4	HA	K-WVLSF	23	24	SE01-18-140A	GPM-503
Proceed Marvie								
	03.96-	4	WL-T	UVL6R	11	12	WL03-18-601	GPM-513
Proceed Levante								
	02.95-	4	RF	KD-TF31W	11	12	RFG1-18-601	GPM-510
Spectron								
	00.83-	4	RF	N-SSD8WF	10.5	12	S501-18-140A	GPM-502
	08.93-	4	R2	Y-SSF8W, SSF8R, SRF9W	12	12	RFJ5-18-601	GPM-511
Telstar								
	00.83-	4	R2	N-GCFPF	10.5	12	S501-18-140A	GPM-502
	04.92	4	RF	X-GEFPF, Y-GEFPF	11	12	RFG1-18-601	GPM-510
Titan								
	10.84-	4	XA	K-WEW051, N-WE5AT	10.5	12	S501-18-140A	GPM-502
				K-WG5AT	23	24	SE01-18-140A	GPM-503
	10.80-	4	HA	K-WEW0F1, K-WEX0F1	23	24	SE01-18-140A	GPM-503
				K-WEY0F1, 0F2				
				N-WEFAT, N-WEFAD				
				N-WEFAF				
				N-WEF4C, N-WEF4T				
	01.92-05.95	4	HA	U-WGFAT	24	24	SEM1-18-601	GPM-516
	01.84-03.87	6	ZB	N-WE11, 11T, 14L, 14T	23	24	SE01-18-140A	GPM-503
				N-WE17T				
	06.95-	4	VS	KC-WGSAT	24	24	SEM1-18-601	GPM-516
	06.95-	4	4HF1	KC-WG3AT, WG34T	23	24	YJ01-18-601	GPI-021
				KC-WG31T			YJ02-18-601	
				KC-WGJ4T, WG3AM				
				KC-WG3AD, WG3AN				
	06.95-	4	4HG1	KC-WG64T, WG64H	23	24	YJ01-18-601	GPI-021
				KC-WG67T			YJ02-18-601	
				KC-WG61T, WG61H				
				KC-WG67H				
				KC-WG6AD, WG6AK				
				KC-WG61D, WG61K				
MERCEDES-BENZ – PV								
190 Series								
190D 2.5L	04.85-08.88		OM602.911		11	12		0 250 201 041
190D 2.5L	04.85-08.88		OM602.911		11	12		0 250 201 039
200 Series								
200 D	00.68-07.80	4	OM616		0.9			0 250 001 016
220 Series								
220 D	00.68-07.80	4	OM616		0.9			0 250 001 016
240 Series								
240 D 3.0L	08.74-11.76	4	OM617.910		0.9			0 250 001 016
240 D 2.4L	11.76-00.80	4	OM616.916		0.9			0 250 001 016
300 Series								
300 D 3.0L	01.85-06.93	6	OM603.912		11	12		0 250 201 041
300 D 3.0L	01.85-06.93	6	OM603.912		11	12		0 250 201 039
300 D 3.0L	01.85-06.93	6	OM603.912		11	12		0 250 201 045
300 TD 3.0L	09.86-06.93	6	OM613.912		11	12		0 250 201 041
300 TD 3.0L	09.86-06.93	6	OM613.912		11	12		0 250 201 039
300 TD 3.0L	09.86-06.93	6	OM613.912		11	12		0 250 201 045

					V	B V		
MERCEDES BENZ - PV cont.								
C Class								
C220 CDI 2.2L	05.00-02.03	4	OM611.962		11	12		0 250 202 045
C220 CDI 2.2L	03.03-	4	OM646.963		11	12		0 250 202 045
E Class								
E270 CDI 2.7L	03.02-	5	OM647.961		11	12		0 250 202 045
M Class								
ML270 CDI 2.7L	11.99-	5	OM612.963		11	12		0 250 201 045
ML270 CDI 2.7L	11.99-	5	OM612.963		11	12		0 250 201 029
MB Series								
MB100 2.9L	01.96-	5	OM662.911		11	12		0 250 201 026
MB100 2.9L	01.96-	5	OM662.911		11	12		0 250 201 041
MB100 2.9L	01.96-	5	OM662.911		11	12		0 250 201 047
Sprinter								
208 CDI 2.2L	04.00-	4	OM611.987 DELA		11	12		0 250 202 045
208 CDI 2.2L	04.00-	4	OM611.987 DELA		11	12		0 250 202 029
308 CDI 2.2L	04.00-	4	OM611.987 DELA		11	12		0 250 202 045
308 CDI 2.2L	04.00-	4	OM611.987 DELA		11	12		0 250 202 029
313 CDI 2.2L	04.00-	4	OM611.981 DELA		11	12		0 250 202 045
313 CDI 2.2L	04.00-	4	OM611.981 DELA		11	12		0 250 202 029
316 CDI 2.7L	04.00-	5	OM611.981 DELA		11	12		0 250 202 045
413 CDI 2.2L	04.00-	4	OM611.981 DELA		11	12		0 250 202 045
413 CDI 2.2L	04.00-	4	OM611.981 DELA		11	12		0 250 202 029
416 CDI 2.7L	04.00-	5	OM611.981 DELA		11	12		0 250 202 045
616 CDI 2.7L	02.01-	5	OM612.981 DELA		11	12		0 250 202 045
Vito								
109 CDI 2.2L	10.03-	4	OM646.982		11	12		0 250 202 045
112 CDI 2.2L	04.99-	4	OM611.980		11	12		0 250 202 045
112 CDI 2.2L	04.99-	4	OM611.980		11	12		0 250 202 029
115 CDI 2.2L	10.03-	4	OM646.983		11	12		0 250 202 045
MERCEDES-BENZ – Trucks								
0309D								
	00.68-08.82				0.9			0 250 001 016
U600								
	00.68-08.82				0.9			0 250 001 016
207D								
2.4 L 48kW	00.68-08.82		OM616		0.9			0 250 001 016
307D								
2.4L 48kW	00.68-08.82		OM616		0.9			0 250 001 016
406DG								
	00.68-08.82		OM616		0.9			0 250 001 016
407								
407 D	00.68-08.82		OM616		0.9			0 250 001 016
L206DG								
2.0L	03.73-07.77		OM615		0.9			0 250 001 016
2.2L	03.73-07.77		OM615		0.9			0 250 001 016
L306DG								
2.0L	03.73-07.77		OM615		0.9			0 250 001 016
2.2L	03.73-07.77		OM615		0.9			0 250 001 016
MERCEDES-UNIMOG								
U45								
	00.68-00.76		OM615, OM911 OM915		0.9			0 250 001 016
U52								
	00.68-00.76		OM615, OM911 OM915		0.9			0 250 001 016



					V	B V		
MERCEDES-UNIMOG cont.								
U55	05.69-00.76		OM616, OM914 OM915		0.9			0 250 001 016
U60	05.69-00.76		OM616, OM914 OM915		0.9			0 250 001 016
MITSUBISHI								
Canter	00.78-04.83	4	4D30	K-FE111,121 K-FE211, 221, 231 N-FE101,111, 121, 211	20.5	24	ME 017010 ME 017013	GPF-103
	05.83-09.85	4	4D30	N-FE101,111, 121, 211	24	24	ME 017009	GPF-121
	10.85-10.93	4	4D30	N-FE301, 401 U-FE301, 311, 321, 331	23	24	ME 017057	GPM-907
	01.90-	4	4D32	U-FE305, 315, 325 U-FE335, 425, 435	23	24	ME 007649	GPM-901
	01.90-10.93	4	4D33	U-FE317, 337 U-FE437, 447, 637	23	24	ME 007649	GPM-901
	10.89-10.93	4	4D34T	U-FE439, 449	23	24	ME 007649	GPM-901
	01.95-	4	4D36	KC-FE507, 516, 517	23	24	ME 007649	GPM-901
	10.85-10.98	4	4DR5	K-FB30, K-FB300	11	12	ME077615	GPF-116
	12.73-04.83	4	4DR5	K-FB100, 120	22.5	24	31366-14701 31366-02100 31666-02109 ME 007545	GPM-905
	01.90-	4	4DR7	U-FB308B, 328BV U-FD378B	11	12	ME 001581	GPM-900
	01.81-04.83	4	4DR51	K-FB100, 120	22.5	24	31666-02109 ME 007545	GPM-905
	05.83-	4	4DR51	K-FB100, 120	20.5	24	ME 007547	GPM-906
	11.93-09.94	4	4M40	FB501A, B, FB511A, B	11	12	ME 201638 ME 200970	GPF-119
	09.94-	4	4M40	U-FB501, FB511, FD501 KC-FB501, FB511, FD501	11	12	ME 201632 ME 203583 ME 203754	GPM-902
Chariot	10.84-04.91	4	4D65	N-D09W, Q-D09W	6.2	12	MD 092392	GPF-133
	07.92-	4	4D68T	Y-N38W, 48W	6.2	12	MD 092392	GPF-133
	01.94-	4	4D68T		11	12	MD 197511	GPF-117
Delica , Triton	11.82-05.87	4	4D55	N-L0380, PV, GV, GW	12	12	MD 050212	GPF-112
	06.86-05.93	4	4D56	N-P05V, P15V, P25V	12	12	MD 050212	GPF-112
	06.93-03.94	4	4D56	L-039P	11	12	MD 301950	GPF-118
	06.93-	4	4D56	P05V, 15V, 25V, 45V	11	12	MD 197511	GPF-117
	06.86-	4	4D56T	N-P05W, P15W, P25W P-35W	6.2	12	MD 092392	GPF-133
	06.93-	4	4D56T	P05W, 15W, 25W, 35W PA5W, PB5W, PC5W PA5V, PB5V, PD5V, P05T P15T, P25T, L039G	11	12	MD 197511	GPF-117
	09.97-	4	4D56T	KB-P05V, 05T, 15V, 25V KC-P15V, 15T, 25T, 45 KD-P05W, 25W, 35W KD-PA5W, PB5W, PC5W KD-PA5V, KC-PB5V, PD5V KD-PE8W, PD8W, PF8W	11	12	MD 344469	GPM-903
	05.94-04.96	4	4M40T	KD-PE8W, PD8W, PF8W	11	12	ME 201638 ME 200970	GPF-119
	04.96-	4	4M40T	KD-PE8W, PD8W, PF8W	11	12	ME 201632 ME 203583 ME 203754	GPM-902
Libero	05.80-	4	4D55, 455T	K-A167	12	12	MD 050212	GPF-112
	05.92-12.93	4	4D68	CB8V, CB8W, CD8V, CD8W	6.2	12	MD 092392	GPF-133
	05.92-09.93	4	4D68T	E57A, E77A	6.2	12	MD 092392	GPF-133
	10.93-	4	4D68T	E57A, E77A	11	12	MD 197511	GPF-117
	01.94-	4	4D68T	CB8V, CB8W, CD8V, CD8W	11	12	MD 197511	GPF-117
	09.97-	4	4D68T	KA-CB8V, CD8V KD-CB8W, CD8W	11	12	MD 344469	GPM-903

					V	B V		
MITSUBISHI cont.								
Galant								
	11.82-	4	4D55	K-A167	12	12	MD 050212	GPF-112
	05.80	4	4D55T	K-A167	12	12	MD 050212	GPF-112
	05.92-12.93	4	4D68	CB8V, CB8W, CD8V CD8W	6.2	12	MD 092392	GPF-133
	10.93-	4	4D68T	E57A, E77A	11	12	MD 197511	GPF-117
	05.92-09.93	4	4D68T	E57A, E77A	6.2	12	MD 092392	GPF-133
	01.94-	4	4D68T	CB8V, CB8W, CD8V CD8W	11	12	MD 197511	GPF-117
Eterna								
	05.92-12.93	4	4D68	CB8V, CB8W, CD8V, CD8W	6.2	12	MD 092392	GPF-133
	10.93-	4	4D68T	E57A, E77A	11	12	MD 197511	GPF-117
	05.92-09.93	4	4D68T	E57A, E77A	6.2	12	MD 092392	GPF-133
	01.94-	4	4D68T	CB8V, CB8W, CD8V, CD8W	11	12	MD 197511	GPF-117
Mirage/Lancer								
	02.85-04.92	4	4D65T	N-C14V, X-C14W Q-C14V, Q-C14W	6.5	12	MD 092392	GPF-133
	10.91-09.92	4	4D65T	X-CB7A, CD7A	6.5	12	MD 092392	GPF-133
	10.92-01.94	4	4D68	CB8A, CD8A	6.5	12	MD 092392	GPF-133
	01.94-	4	4D68T	CB8A, CD8A	11	12	MD 197511	GPF-117
	10.95-09.97	4	4D68T	CK8A, CM8A	11	12	MD 197511	GPF-117
	09.97-	4	4D68T	KD-CK8A, CM8A X-CK8A, CM8A	11	12	MD344469	GPM-903
Pajero								
	05.82-11.82	4	4D55	N-L043G	12 6	12 12	MD 050212 MD 014997	GPF-112 GPF-128
	11.82-	4	4D55	N-L043G, GW, GV NLO48GV, GW	12	12	MD 050212	GPF-112
	05.82-11.82	4	4D55T	N-L043G	12 6	12 12	MD 050212 MD 014997	GPF-112 GPF-128
	11.82-	4	4D55T	N-L043G, GW, GV N-L048GV, GW	12	12	MD 050212	GPF-112
	11.82-12.90	4	4D56	N-L044G, GW, N-L049GV Q-L144GW, Q-L149GW	12	12	MD 050212	GPF-112
	01.91-06.93	4	4D56	N-L044G, GW, N-L049GV V14V, V24C, V, W, WG V34C, V, W, WG V44W, V44WG	6.5	12	MD 092392	GPF-133
	07.93-	4	4D56	V24C, V24W, V24WG	11	12	MD 197511	GPF-117
	11.82-12.90	4	4D56T	N-L044G, GW, N-L049GV Q-L144GW, Q-L149GW	12	12	MD 050212	GPF-112
	01.91-06.93	4	4D56T	N-L044G, GW, N-L049GV V14V, V24C, V, W, WG V34C, V, W, WG V44W, V44WG	6.5	12	MD 092392	GPF-133
	07.93-	4	4D56T	V24C, V24W, V24WG	11	12	MD 197511	GPF-117
	07.93-01.96	4	4M40T	V26W, V26WG KC-V46V, V46W KD-V46WG	11	12	ME 201638 ME 200970	GPF-119
	09.99-	4	4M41DI	KH-V78W-LRHF, LYXF KH-V78W-LRUF KH-V68W-MRHF, MRUF MYXF	11	12	ME 203539	GPM-904
Rosa								
	00.79-01.83	4	4D30	K-BE211	20.5	24	ME 017010	GPF-103
	02.83-	4	4D30	N-BE211	24	24	ME 017009	GPF-121
	01.73-01.83	6	6DR5	B360, 622, BH212	22.5	24	31666-02109 31366-14700 MM 401625	GPM-905
RVR								
	09.92-07.93	4	4D68T	N28W, N28WG	6.5	12	MD 092392	GPF-133
	08.93	4	4D68T	N28W, N28WG	11	12	MD 197511	GPF-117
Strada								
	05.91-09.93	4	4D56T	K34T,	6.2	12	MD 092392	GPF-133
	10.93-	4	4D56T	K34T, K74T	11	12	MD 197511	GPF-117
	09.97-	4	4D56T	KC-K74T	11	12	MD 344469	GPM-907



					V	B V		
NISSAN								
3.5t Truck								
	00.68-00.73	6	SD33		10.5	12	11065-30506 11065-37507	GPN-302
Atlas								
	12.81-11.86	4	ED33	K-MH40, MGH40, DMH40 K-RMGH40, K-RMH40 CMH40 N-MH40, N-DMH40 TMH40	23	24	11065-T9000 11065-T9001	GPN-311
	02.82-08.85	4	SD23	K-YF22, YGF22	11	12	11065-34W00	GPN-319
	08.85-11.86	4	SD23	N-YF22, YGF22	11 24	12 24	11065-10G00 11065-C8600	GPN-322 GPN-324
	12.81-	4	SD25	K-EF22, EGF22, REGF22 N-EH40	11	12	11065-34W00	GPN-319
	12.81-	4	SD25	K-EH40	10.5	12	11065-T8200 11065-T8202	GPN-318
	08.85-	4	SD25	N-EF22, EGF22, VEGF22	11 24	12 24	11065-10G00 11065-C8600	GPN-322 GPN-324
	11.86-	4	TD23	N-TF22, TGF22	11 24	12 24	11065-43G01 11065-10T01	GPN-327 GPN-328
	10.95-	4	TD25	KC-SN6F23	11	12	11065-43G01 11065-63G00	GPN-327
	11.86-	4	TD27	N-AF22, AGF22, VAGF22 AH40	11 24	12 24	11065-43G01 11065-10T01	GPN-327 GPN-328
	11.97-	4	QD32	KG-SR4F, KG-SR8F	11	12	11065-0W801	GPN-342
Avenir								
	05.90-	4	CD20, CD20T	S-VSW10 S-SW10, Y-SW10, KD-SW10	11	12	11065-57J00 11065-5C900	GPN-331
Bison								
	06.80-11.81	4	ED30	K-EHMC341, HMC341 YC341, K-JVY341	23	24	11065-J6500	GPN-321
	06.80-11.81	4	ED33	K-EHMC341, HMC341 YC341, K-JVY341	23	24	11065-J6500	GPN-321
Bus								
	01.75-12.79	6	ED6	RM90	19	24	11065-Z5000	GPN-305
AD VAN Datsun/Pulsar/Sunny								
	10.82-09.85	4	CD17	N-VSB11	6.5	12	11065-16A05 11065-16A15	GPN-315
Ad Van								
	05.88-09.90	4	CD17	S-VSB11, VSY10, VSNY10	11	12	11065-43G01	GPN-327
	10.90-07.93	4	CD17	Q-WSY10	11	12	11065-G5501	GPN-330
	08.93	4	CD20	X-WEY10, KD-WEY10 VENY10, KD-VENY10	11	12	11065-57J00	GPN-331
Bluebird								
	05.80-12.81	4	LD20	K-EJ910, VEJ910	11	12	11065-V0700 11065-V0710	GPN-309
	01.82-08.85	4	LD20-T	K-EJ910, VEJ910, N-EJ910 N-EU11, VEU11	8.5	12	11065-W3400 11065-W3410	GPN-320
	01.82-08.85	4	LD20-T	K-EJ910, VEJ910, N-EJ910 N-EU11, VEU11	8.5	12	11065-W2500 11065-W2510	GPN-316
	08.85-08.91	4	LD20II	N-EU11, VEU11, Q-TSU12, Q-SU12 EJ910(TAXI), VEU11	11	12	11065-G5501	GPN-330
	09.91-09.98	4	CD-20	X-SU13, TSU13, Q-SNU13, SNU13 Y-SU13, SNU13, SNU14, KD-SU14	11	12	11065-57J00 11065-5C900	GPN-331
	09.98-11.98	4	CD-20E	KD-SU14	11	12	11065-5C900	GPN-331
Caball / Clipper								
	01.73-10.76	4	ED30	YC240, HYC340, CYC340 GHWT40, GYHT40, AVYT40	10	12	11065-J2000	GPN-339
	10.76-11.77	4	ED30	YC340, HYC340, CYC340 DYC340, EHYC340, JYC340	19	24	11065-Z5000	GPN-305

					V	B V		
NISSAN cont.								
Caball / Clipper								
	06.80-12.81	4	ED30	K-YC341, , K-RYC341 DYC341, TYC341	23	24	11065-J6500	GPN-321
	06.80-12.81	4	ED33	K-MC341, HMC341 DMC341	23	24	11065-J6500	GPN-321
	10.67-12.72	4	SD22	QC240, HQC240, D652 T652, 653, 658 T661, 663, 665	10.5	12	11065-37506 11065-37507	GPN-302
Cabstar / Homer								
	01.76-08.77	4	SD22	QGF20, VQF20	10.5	12	11065-37506 11065-37507	GPN-302
	08.77-11.77	4	SD22	QGF20, VQF20	9.5	12	11065-Y1400 11065-Y1401	GPN-310
	11.77-09.79	4	SD22	QGF20, 21, VGF20, 21	9.5	12	11065-Y1402 11065-Y1403 11065-Y1404	GPN-332
	11.77-09.79	4	SD22	QGF20, 21, VGF20, 21	20.5	24	11065-T3400 11065-T3401	GPN-336
	09.79-01.82	4	SD22	K-QF21, VQF21 K-QGF21, VQGF21	11	12	11065-31W00 11065-T31W01	GPN-306
	09.79-01.82	4	SD22	K-QF21, VQF21 K-QGF21, VQGF21	23	24	11065-T3470	GPN-308
Caravan/Homy								
	05.82-09.86	4	LD20T	N-KSE23, KSGE23	8.5	12	11065-W3400 11065-W3410	GPN-320
					6.5	12	11065-W2500 11065-W2510	GPN-316
	03.78-09.79	4	SD22	RF20, HRE20, VRE20 KRSE20, GKRE20, 21 K-RE21, KRSE21, GKRE21	9.5	12	11065-Y1402 11065-Y1403 11065-Y1404	GPN-332
	03.78-09.79	4	SD22	RF20, HRE20, VRE20 KRSE20, GKRE20, 21 K-RE21, KRSE21, GKRE21	20.5	24	11065-T3400	GPN-336
	10.79-05.82	4	SD22	K-CRGE23, VRGE23, VRE23 K-KRE23, KRGE23, DRGE23	11	12	11065-31W00 11065-31W01	GPN-306
	10.79-05.82	4	SD22	K-CRGE23, VRGE23, VRE23 K-KRE23, KRGE23, DRGE23	23	24	11065-T3470	GPN-308
	05.82-09.86	4	SD23	N-VYE23, VYGE23 N-CYGE23, DYGE23	11	12	11065-34W00	GPN-319
	09.86-08.90	4	TD23	N-VYE24, VYGE24, CYGE24	11	12	11065-63G00 11065-43G01	GPN-327
	10.87-08.95	4	TD27	N/U-CRGE24, DRGE24 N/U-VRMGE24, VRGE24 Q-ARGE24, KRME24 Q-KRE24, KRGE24 Q-ARGE24, KRMGE24 Y-ARGE24, KRE24, KRGE24 Y-KRME24, KRMGE24 T-CRGE24, VRMGE24	11	12	11065-43G01 11065-43G01	GPN-327
	08.95-	4	TD27	KC-CRGE24, CRMGE24, KC-DRGE24 KC-VRE24, VRMGE24 KC-KRE24 KD-ARGE24, KD-KRGE24 KRME24, KRMGE24	11	12	11065-43G01 11065-43G01	GPN-327
	10.88-05.93	4	TD27T	Q-KRE24, KRME24, Q-DRGE24, KC-CRGE24 KC-CRMGE24, KC-VRE24 KC-VRGE24, VRMGE24	11	12	11065-31N00 11065-G2400	GPN-338
	10.88-08.95	4	TD27Ti	Q-ARE24, ARME24 Q-ARMGE24 Q-KRE24, Y-ARE24 Y-ARME24, ARMGE24	11	12	11065-31N00	GPN-338
	08.95-	4	TD27Ti	KD-ARE24, ARGE24, KD-ARME24, ARMGE24 KD-KRE24, KRGE24	11	12	11065-31N00 11065-G2400	GPN-342
	09.96-	4	QD32	KC-VWE24, VWGE24, KC-CWGE24, 24KC-VWGE24 KC-CVMGE24, KG-VWE24 KG-VWGE24, CWGE24 KD-DWGE24	11	12	11065-65N01 11065-0W801	GPN-342



					V	B V		
NISSAN cont. Cedric/Gloria								
	01.68-10.76	4	SD20, SD22	Q130, 230, 330	10.5	12	11065-37506 11065-37507	GPN-302
	10.76-10.77	4	SD20, SD22	Q330, R330	9.5	12	11065-Y1400 11065-Y1401	GPN-310
	10.77-06.79	4	SD20, SD22	Q330, R330	9.5	12	11065-Y1402 11065-Y1403 11065-Y1404	GPN-332
	06.79-06.83	4	SD20, SD22	K-S430, N-S430 K-R430, K-VR430	11	12	11065-31W00 11065-31W01	GPN-306
	11.79-06.82	6	LD28	K-H430, KH430 K-WH430, VH430	11	12	11065-V0700 11065-V0710	GPN-309
	06.82-06.85	6	LD28	N-H430, W430, VH430 N-HY30, WHY30, VHY30	8.5	12	11065-W3400 11065-W3410	GPN-320
					6.5	12	11065-W2500 11065-W2510	GPN-316
Civilian								
	02.73-11.76	4	ED30	QYC240	10 19	12 24	11065-J2000 11065-Z5000	GPN-339 GPN-305
	11.72-11.76	4	ED30	GHYC340	19	24	11065-Z5000	GPN-305
	06.80	4	ED30	K-GHYC341	23	24	11065-J6500	GPN-321
	06.80-08.82	4	ED33	K-GHMC341	23	24	11065-J6500	GPN-321
	08.82-05.88	4	ED33	N-MW40, MGW40	23	24	11065-T9000 11065-T9001	GPN-311
	09.71-01.73	4	SD22	GHQC240	10.5	12	11065-37506 11065-37507	GPN-302
	05.88-	6	TD42	U-RW40, RGW40, RYW40	24	24	11065-10T01	GPN-328
Condor								
	05.75-	6	ED6	CM90	19	24	11065-Z5000	GPN-305
	12.81-11.86	4	ED33	K-MH40, MGH40, K-CMH40, DMH40 K-RMH40, RMGH40 K-TMH40 M-MH40, N-JMH40	23	24	11055-T9000 11065-T9001	GPN-311
	06.84-	4	SD25	N-EH40	11	12	11065-34W00	GPN-319
	06.95-	4	TD25	SN2F23, SN4F23 SN6F23	11	12	11065-43G01	GPN-327
	11.86-	4	TD27	N-AH40	11 24	12 24	11065-43G01 11065-10T01	GPN-327 GPN-328
	10.95-	4	QD32	KG-SR4F23	11	12	11065-0W801	GPN-342
Datsun Truck								
	11.78-10.79	4	SD22	R620	9.5	12	11065-Y1402 11065-Y1403 11065-Y1404	GPN-332
	10.79-01.82	4	SD22	K-S720, SG720, RSG720	11	12	11065-31W00 11065-T31W01	GPN-306
	01.82-04.83	4	SD22	K-S720, SG720, SGY720 K-RSG720	11	12	11065-34W00	GPN-319
	01.82-04.83	4	SD22	K-S720, SG720, SGY720 K-RSG720	10.5	12	11065-T8200 11065-T8202	GPN-318
	04.83-	4	SD23	N-A720, AG720, AGY720	10.5	12	11065-T8200 11065-T8202	GPN-318
	08.85-	4	SD23	N-AD21, AGD21, AMD21	11	12	11065-10G00	GPN-322
	08.87-	4	TD23	N-PD21, PGD21, PMD21	11	12	11065-43G01	GPN-327
	11.88-	4	TD27	S-BMD21	11	12	11065-43G01	GPN-327
	08.95-01.97	4	TD27	KC-BD21, BGD21	11	12	11065-43G01	GPN-327
	01.97-	4	TD27	KC-BD22	11	12	11065-43G01	GPN-327
	07.93-01.97	4	TD27T	U-BMD21, KC-UMD21 LBMD21	11	12	11065-31N00	GPN-338
	01.97-	4	QD32	KC-LRMD22	11	12	11065-0W801 11065-65N01	GPN-342
El Grand								
	05.97-08.99	4	QD32 ETi	KD-AVE50, AVWE50	11	12	11065-0W801	GPN-342
Junior								
	00.68-	4	SD22	Q41	10.5	12	11065-37506 11065-37507	GPN-302

					V	B V		
NISSAN cont.								
Langrey								
	05.83-10.86	4	CD17	N-SN12	6.5	12	11065-16A05 11065-16A15	GPN-315
	05.86-12.93	4	CD17	N-SB12,N-BSN13 SN-13 Q-SB12, Q-BSN13	11	12	11065-G5501	GPN-330
	08.90-01.95	4	CD17	Q-SN14	11	12	11065-G5501	GPN-330
	01.95-09.98	4	CD20	KD-SN15, SNN15	11	12	11065-57J00	GPN-331
Largo								
	05.90-	4	CD20T	Y-VW30, VNW30	11	12	11065-57J00 11065-5C900	GPN-331
	08.95-	4	CD20ETi	VW30, VNW30	11	12	11065-57J00 11065-5C900	GPN-331
Laurel								
	11.80-11.81	4	LD20	K-SJC31	11	12	11065-V0700 11065-V0710	GPN-309
	11.81-10.86	4	LD20	K-SJC31, N-SJC31	8.5	12	11065-W3400 11065-W3410	GPN-320
					6.5	12	11065-W2500 11065-W2510	GPN-316
	11.80-11.81	6	LD28	K-EJC31	11	12	11065-V0700 11065-V0710	GPN-309
	11.81-10.86	6	LD28	K-EJC31, 32	8.5	12	11065-W3400 11065-W3410	GPN-320
					6.5	12	11065-W2500 11065-W2510	GPN-316
	11.78-10.79	4	SD20	SC230	9.5	12	11065-Y1402 11065-Y1403 11065-Y1404	GPN-332
	11.79-11.80	4	SD20	K-SC230	11	12	11065-Q4001	GPN-306
Liberta								
	05.83-10.86	4	CD17	N-SN12	6.5	12	11065-16A05 11065-16A15	GPN-315
	05.86-12.93	4	CD17	N-SB12, Q-SB12, SN-13 N-BSN13, Q-BSN13	11	12	11065-G5501	GPN-330
	08.90-01.95	4	CD17	Q-SN14	11	12	11065-G5501	GPN-330
	01.95-09.98	4	CD20	KD-SN15, SNN15	11	12	11065-57J00	GPN-331
Mistral								
	06.94-	4	TD27BT	Y-R20	11	12	11065-G2400 11065-31N00	GPN-338
Navara								
	00.85-00.87	4	SD23, SD25		11	12	11065-10G00	GPN-322
	09.87-03.92	4	TD25		11	12	11065-43G01	GPN-327
	10.87-03.94	4	TD27		11	12	11065-43G01	GPN-327
Turbo	11.88-	4	TD27		11	12	11065-31N00	GPN-338
	03.94-	4	TD27		11	12	11065-63G00	GPN-327
Patrol								
	06.80-	6	SD33		10.5	12	11065-37506	GPN-302
	08.83-07.85	6	SD33		11	12	11065-34W00	GPN-319
	06.80-08.82	6	SD33		23	24	11065-T3470	GPN-308
	10.85-	6	SD33		24	24	11065-C8600	GPN-324
Turbo	06.80-08.82	6	SD33T		23	24	11065-T3470	GPN-308
Turbo	09.82-00.88	6	SD33T		11	12	11065-34W00	GPN-319
Turbo	10.85-	6	SD33T		24	24	11065-C8600	GPN-324
	11.87-	6	TD42		24	24	11065-10T01	GPN-328
Pulsar								
	05.83-10.86	4	CD17	N-SN12	6.5	12	11065-16A05 11065-16A15	GPN-315
	05.86-12.93	4	CD17	N-SB12, Q-SB12, SN-13 N-BSN13, Q-BSN13	11	12	11065-G5501	GPN-330
	08.90-01.95	4	CD17	Q-SN14	11	12	11065-G5501	GPN-330
	01.95-09.98	4	CD20	KD-SN15, SNN15	11	12	11065-57J00	GPN-331
Reglus								
	08.96-	4	TD27ETi	KD-PR50	11	12	11065-OW801	GPN-342
	08.96-	4	QD32ETi	KD-PR50	11	12	11065-OW801	GPN-342



					V	B V		
NISSAN cont.								
Safari								
	06.80-08.82	6	SD33	K-KR160, VRG160	23	24	11065-T3470	GPN-308
	10.85-10.87	6	SD33	N-VR161, VRV161 N-VRG161, BRG161	24	24	11065-C8600	GPN-324
	06.80-08.82	6	SD33T	K-KR160, VRG160	23	24	11065-T3470	GPN-308
	10.85-10.87	6	SD33T	N-VR161, VRV161 N-VRG161, BRG161	24	24	11065-C8600	GPN-324
	11.87-10.97	6	TD42	S-VRY60, VRGY60 U-VRGY60, W-RGY60 Q-WGY60, WRY60, WRGY60	24	24	11065-10T01	GPN-328
	10.94-10.97	6	TD42	WGY60, WRY60, KC-VRGY60 WRGY60, VRGY60	11	12	11065-43G01 11065-63G00	GPN-327
	08.95-10.97	6	TD42	KD-WRGY60, WRY60	11	12	11065-31N00	GPN-338
	10.97-09.99	6	TD42	KD-WRGY61, KG-VRGY61	11	12	11065-31N00	GPN-338
	09.99-	6	TD42	KG-VRGY61	11	12	11065-31N00	GPN-338
	11.87-10.97	6	TD42T	S-VRY60, VRGY60 U-VRGY60, W-RGY60 Q-WGY60, WRY60, WRGY60	24	24	11065-10T01	GPN-328
	10.94-10.97	6	TD42T	WGY60, WRY60, KC-VRGY60 WRGY60, VRGY60	11	12	11065-43G01 11065-63G00	GPN-327
	08.95-10.97	6	TD42T	KD-WRGY60, WRY60	11	12	11065-31N00	GPN-338
	10.97-09.99	6	TD42T	KD-WRGY61, KG-VRGY61	11	12	11065-31N00	GPN-338
	09.99-	6	TD42T	KG-VRGY61	11	12	11065-31N00	GPN-338
Serena								
	06.91-	4	CD20	S-VVJC23, Q-KVJC23	11	12	11065-57J00 11065-5C900	GPN-331
	06.91-	4	CD20T	Q-KVC23, KVNC23 KD-AVC23	11	12	11065-57J00 11065-5C900	GPN-331
Skyline								
	06.80-09.81	4	LD20	K-VSC211	11	12	11065-V0700 11065-V0710	GPN-309
	10.81-08.85	4	LD20	K-VSJR30 N-VSJR30, N-EU11	8.5	12	11065-W3400 11065-W3410	GPN-320
					6.5	12	11065-W2500 11065-W2510	GPN-316
	06.80-08.81	6	LD28	K-EG211, KEGC211	11	12	11065-V0700 11065-V0710	GPN-309
	08.81-08.85	6	LD28	K-ER30, RER30 N-ER30	8.5	12	11065-W3400 11065-W3410	GPN-320
					6.5	12	11065-W2500 11065-W2510	GPN-316
Sunny								
	10.82-09.85	4	CD17	N-SB-11, WSB11	6.5	12	11065-16A05 11065-16A15	GPN-315
	09.85-12.93	4	CD17	N-SB12, WSB12, Q-SB12, SB13	11	12	11065-G5501	GPN-330
	01.94-12.98	4	CD20	X-SB14, SNB14, Y-SNB14 KD-SB14, SNB14	11	12	11065-57J00	GPN-331
Terrano								
	08.86-	4	TD27	N-VBYD21, WBYD21	11	12	11065-43G01	GPN-327
	11.88-	4	TD27T	Q-WBYD21	11	12	11065-31N00 11065-G2400	GPN-338
	09.95-	4	TD27ETi	PR50	11	12	11065-OW801	GPN-342
	06.97-	4	QD32ETi	KD-PR50	11	12	11065-OW801	GPN-342
Urvan								
	05.82-09.86	4	LD20T		8.5	12	11065-W3400 11065-W3410	GPN-320
	05.82-09.86	4	LD20T		6.5	12	11065-W2500 11065-W2510	GPN-316
	03.78-09.79	4	SD22		20.5	24	11065-T3400	GPN-336
	09.86-	4	TD23		11	12	11065-43G01	GPN-327
	10.87-	4	TD27		11	12	11065-43G01	GPN-327
	10.88-	4	TD27T		11	12	11065-31N00	GPN-338

					V	B V		
NISSAN cont.								
URVAN cont.								
E20	03.78-09.79	4	SD22		9.5	12	11065-Y1402 11065-Y1403	GPN-332
E23	03.78-09.79	4	SD22		9.5	12	11065-Y1402 11065-Y1403	GPN-332
	10.79-05.82	4	SD22		11	12	11065-31W00 11065-31W01	GPN-306
	10.79-05.82	4	SD22		23	24	11065-T3470	GPN-308
QGS Type II	04.83-	4	SD23		10.5	12	11065-T8200	GPN-318
QGS Type II	05.82-09.86	4	SD23		11	12	11065-34W00	GPN-319
	10.81-08.85	4	LD30	K-VSJR30	8.5	12	11065-W3400	GPN-320

Vanette

Datsun/Cherry/Sunny

	01.96-	4	CD20, CD20T	S-WJC23, Q-KVJC23, KVNC23	11	12	11065-57J00 11065-5C900	GPN-331
	06.81-09.82	4	LD20	K-EC120, EGC120, KEC120 K-KEGC120, VEC120 K-VEGC120, KEGC120	11	12	11065-V0700 11065-V0710	GPN-309
	10.82-	4	LD20, LD20T	K-EC120, EGC120, N-VEC120 K-KEGC120, KEGC120	8.5	12	11065-W3400 11065-W3410	GPN-320
					6.5	12	11065-W2500 11065-W2510	GPN-316
	10.85-	4	LD20 II	N-VUJC22, KUC22, KUJC22	11	12	11065-G5501	GPN-330

Sunny

	10.82-09.85	4	CD17	N-SB-11, WSB11	6.5	12	11065-16A05 11065-16A15	GPN-315
	09.85-12.93	4	CD17	N-SB12, WSB12, Q-SB12, SB13	11	12	11065-G5501	GPN-330
	01.94-12.98	4	CD20	X-SB14, SNB14, Y-SNB14 KD-SB14, SNB14	11	12	11065-57J00	GPN-331

PEUGEOT

205								
1.8 D	07.87-12.89	4	A9A, 161A XUD7		11	12		0 250 201 039
	10.83-10.87	4	R171-1 XUD7		11	12		0 250 201 039
1.8 D Pick-Up	05.85-09.98	4	XUD7		11	12		0 250 201 039
1.8 TD	01.90-09.98	4	A8A, A8B XUD7T		11	12		0 250 201 039
1.9 D	10.87-09.98	4	DJZ, 162 XUD9		11	12		0 250 201 039

305

1.5 D	11.77-10.83	4	149 XID		11	12		0 250 201 039
1.7 D	10.82-06.88	4	161A XUD7		11	12		0 250 201 039
1.9 D	10.82-07.90	4	162, D9A XUD9		11	12		0 250 201 039
XRD 1.9L	00.93-	4	XUD9A, XUD9Y		11	12		0 250 201 039

306

1.9 TD	05.93-04.97	4	D8A		11	12		0 250 201 045
					11	12		0 250 201 039

307

2.0 Hdi	08.00-	4	RHY		11	12		0 250 202 032
2.0 Hdi Wagon	03.02-	4	RHY		11	12		0 250 202 032

405

GRD	00.92-00.93	4			11	12		0 250 201 039
1.9 TD	06.92-04.97	4	D8A		11	12		0 250 201 045
					11	12		0 250 201 039
2.0 Hdi	08.01-	4	RHS					0 250 202 032
2.1 TD	12.95-03.99	4	P8C		11	12		0 250 201 045
					11	12		0 250 201 039
2.2 Hdi	03.00-	4	4HX		11	12		0 250 202 032

504

D	10.70-05.78	4	XD4.88/4.90		11	12		0 250 200 055
D	06.78-08.80	4	XD4.88/4.90		11	12		0 250 201 039
D	05.81-00.82	4	XD2		11	12		0 250 201 039

505

D	09.80-00.93	4	XD2S, X3DTE		11	12		0 250 201 039
GTD	09.80-00.93	4	XD2S, X3DTE		11	12		0 250 201 039
SRD Turbo	09.80-00.93	4	XD2S, X3DTE		11	12		0 250 201 039



					V	B V		
PEUGEOT cont.								
604								
2.3	02.79-00.86	4	XD2S, X3DTE		11	12		0 250 201 039
2.5L Turbo	02.79-00.86	4	XD2S, X3DTE		11	12		0 250 201 039
PEUGEOT TRUCKS								
J5								
1.9 D	11.87-	4	XUD9A		11	12		0 250 201 039
2.5 D	09.81-06.91	4	CRD93		11	12		0 250 201 039
2.5 TD	07.87-06.91	4	CRD93LS		11	12		0 250 201 039
J7								
2.0 D	00.67-10.78	4	XDP88, XDP90		9.5	12		0 250 200 055
2.1 D	00.67-10.78	4	XDP88, XDP90		9.5	12		0 250 200 055
2.3 D	10.78-10.79	4	XDP294		9.5	12		0 250 200 055
2.3 D	10.79-09.80	4	XD2P94		11	12		0 250 201 039
J9								
2.1 D	10.80-	4	XD2P, XDP4x90		11	12		0 250 201 056
2.3 D	10.80-	4	XD2P, XDP4x90		11	12		0 250 201 056
2.5 D	10.80-	4	XD3P		11	12		0 250 201 039
RENAULT								
Cilo								
1.9 D [X57]	06.90-03.96	4	F8Q730		11	12		0 250 201 039
	06.90-02.98	4	F8Q732		11	12		0 250 201 039
	07.92-02.98	4	F8Q714, F8Q730		11	12		0 250 201 039
ROVER								
2400 SD								
Turbo	04.82-00.86	4	VM-HR492HT		11	12		0 250 201 034
LandRover								
90	00.83-	4			11	12		0 250 201 039
110	00.83-	4			11	12		0 250 201 039
Discovery 2.5 TDI	09.89-09.94	4	12L, 21L		11	12		0 250 202 040
Discovery 2.5 TDI	10.93-12.98	4	19L		11	12		0 250 202 040
Freelander 2.0 D	09.97-09.03	4	TCIE 17N, 18N		11	12		0 250 202 025
Freelander 2.0 TD	09.01-	4	M47		11	12		0 250 202 103
Range Rover								
2.4 TD	04.86-12.90	4	VM-81A		11	12		0 250 201 034
Sherpa								
1.5L	00.83-	4			11	12		0 250 200 035
1.8L	00.83-	4			11	12		0 250 201 034
SEAT								
Ibiza								
	06.84-05.93	4	Fiat138A5		11	12		0 250 201 039
Malaga								
	05.85-12.93	4	Fiat138A5		11	12		0 250 201 039
Ritmo								
	09.80-05.82	4	138A5		11	12		0 250 201 039
Ronda								
	06.82-12.86	4	138A5		11	12		0 250 201 039
SSANGYONG								
Korando								
2.3 D	10.86-06.96	4	OM661D23MB		11	12		0 250 201 041
2.3 D	07.96-	4	OM661D23MB		11	12		0 250 201 041
2.9 D	07.96-	5	OM662D29MB		11	12		0 250 201 041
2.9 TD Intercooler	07.96-	5	OM662D29MB		11	12		0 250 201 041
Musso								
2.3 D	07.93	4	OM611D23MB		11	12		0 250 201 041
2.9 D	07.93-	5	OM662D29MB		11	12		0 250 201 041
2.9 TD Intercooler	05.97-	5	OM662D29MB		11	12		0 250 201 041

					V	B V		
STEYR – DAIMLER								
City Bus								
SC6F55	01.75-12.80 01.81-03.82	4 4	OM615942 OM616918003		0.9 0.9			0 250 001 016 0 250 001 016
TALBOT								
Horizon								
QLD 1.9L	07.82-06.86	4	XU9D		11	12		0 250 201 039
STD 1.9L	07.82-06.86	4	XU9D		11	12		0 250 201 039
Tagora								
Turbo 2.3L	09.81-06.83	4	XD2S		11	12		0 250 201 039
TOYOTA								
Blizzard								
	03.80-10.81	4	L	K-LD10, 10V	11	12	19850-54030 19850-54031	GPT-205 GPT-215
	10.81-	4	L	K-LD10, 10V	7	12	19850-54050	GPT-216
	08.83-02.90	4	2L	Q-LD21G, N-LD20V	7	12	19850-54050	GPT-216
	08.83-02.90	4	2L-T	Q-LD21G, N-LD20V	6	12	19850-54070 19850-54071	GPT-221
	04.90-	4	2L-TE	Q-LJ71G, 78G	11	12	19850-54090	GPT-223
Caldina								
	11.92-01.96	4	2C	CT-190G, Y-CT190G KD-CT190G, S-CT196V, 198V KB-CT196V, 198V	11	12	19850-64020	GPT-222
	01.96-09.97	4	2C-T	KD-CT190G	11	12	19850-64050	GPT-233
	05.98-	4	3C-E	KF-CT197V, 199V KJ-CT197V	11	12	19850-64050	GPT-233
	09.97-	4	3C-TE	KH-CT216G	11	12	19850-67030	GPT-225
Camery / Vista								
	08.83-08.88	4	1C-TL	N-CV10	7	12	19850-64010	GPT-212
	01.86-08.88	4	2C-TL	N-CV11	7	12	19850-64010	GPT-212
	08.88-07.90	4	2C-T	Q-CV20	11	12	19850-64020	GPT-222
	07.90-07.94	4	2C-T	Q-CV30, X-CV30	11	12	19850-64020	GPT-222
	07.94-04.96	4	3C-T	CV40	11	12	19850-67020	GPT-225
	05.96-	4	3C-T	KD-CV40, CV43	11	12	19850-67030	GPT-225
Carina								
	02.82-04.88	4	1C	N-CA60, 67V	7	12	19850-64010	GPT-212
	05.84-04.88	4	2C-L	N-CT150, Q-CT-150	7	12	19850-64010	GPT-212
	05.88-08.96	4	2C	X-CT190, 195 KD-CT190, 195 Q-CT170, G, X-CT170, G	11	12	19850-64020	GPT-222
	08.96-08.98	4	2C-T	KD-CT210, 215	11	12	19850-64050	GPT-233
	08.98-	4	3C-TE	KE-CT211, KH-CT216	11	12	19850-67030	GPT-225
Mark II								
Chaser / Cresta								
	09.79-07.82	4	L	K-LX40, 60, 67V	11	12	19850-54050	GPT-215
	08.82-07.84	4	L	K-LX60	7	12	19850-54050	GPT-216
	08.84-08.88	4	2L	N-LX70, 76V	7	12	19850-54050	GPT-216
	08.84-08.88	4	2L-T	N-LX70	6	12	19850-54070 19850-54071	GPT-221
	08.88-08.92	4	2L	Q-LX80	11	12	19850-54090	GPT-223
	08.88-08.92	4	2L-T	Q-LX80	11	12	19850-54090	GPT-223
	08.88-08.92	4	2L-II, 2L-IIIT	Q-LX80	11	12	19850-54090	GPT-223
	10.92-08.96	4	2L-TE	Y-LX90	11	12	19850-54110	GPT-235
	08.96-	4		KD-LX100	11	12	19850-54130	GPT-235
Coaster								
	10.74-04.82	4	B	BU19, BB10, K-BB10, 11	20.5 8.5	24 12	19850-56012 11065-68040	GPT-207 GPT-208
	10.74-04.82	4	2B	BU19, BB10, K-BB10, 11	20.5 8.5	24 12	19850-56012 11065-68040	GPT-207 GPT-208
	10.74-04.82	4	3B	BU19, BB10, K-BB10, 11	20.5 8.5	24 12	19850-56012 11065-68040	GPT-207 GPT-208
	05.82-07.89	4	B	K-BB20, 30	14	24	19850-68060	GPT-217
	05.82-07.89	4	2B	K-BB20, 30	14	24	19850-68060	GPT-217
	05.82-07.89	4	3B	K-BB20, 30	14	24	19850-68060	GPT-217
	08.89-	4	3B	K-BB21, 31, 26V	14	24	19850-58010	GPT-228



					V	B V		
TOYOTA cont.								
Coaster cont.								
	08.89-	6	1HZ	U-HZB30, 31, 36V	23	24	19850-58010	GPT-228
	05.94-	6	1HZ	KC-HZB50	23	24	19850-58010	GPT-228
	08.89-	6	1-HD-T	U-HDB30, 31	23	24	19850-58010	GPT-228
	05.82-	6	2H	N-HB30	14	24	19850-68060	GPT-217
	05.99-	4	JO5C	KC-RX4, KK-RX4JFET	23	24	19110-1220 19850-89101	GPH-409 GPH-409
Comfort								
	12.95-	4	2L-TE	KD-LXS11	11	12	19850-54110	GPT-235
Corolla								
Corolla Sprinter								
	02.82-07.87	4	1C, 1C-L	N-CE70, 71V, 72G, 80	7	12	19850-64010	GPT-212
	05.86-08.90	4	1N-T	Q-NL30	7	12	19850-54050	GPT-216
	09.90-08.94	4	1N-T	X-NL40	11	12	19850-54090	GPT-223
	09.94-	4	1N-T	NL50	11	12	19850-54120	GPT-234
	05.87-06.91	4	1C-II	Q-CE91, 97G, 96V	11	12	19850-64020	GPT-222
	06.89-	4	1C-III	Q-CE90, 96V, 96G	11	12	19850-64020	GPT-222
	06.91-04.98	4	2C-III	X-CE100, 110, 114 KA-CE106V, 109V KD-CE108G, 109G KD-CE110, 114	11	12	19850-64020	GPT-222
Corolla II								
	05.86-08.90	4	1N-T	Q-NL30	7	12	19850-54050	GPT-216
	09.90-08.94	4	1N-T	X-NL40	11	12	19850-54090	GPT-223
	01.96-07.99	4	1N-T	NL50	11	12	19850-54120	GPT-234
Corolla Wagon								
	04.98-	4	3C-E	KE-CE101G, 102G KE-CE105V, 107V KE-CE113, 116 KF-CE105V, KH-CE116	11	12	19850-64050	GPT-233
Corona								
	02.85-12.87	4	1C, 1C-II	N-CT140, 147V	7	12	19850-64010	GPT-212
	02.82-12.87	4	2C-L	N-CT150	7	12	19850-64010	GPT-212
	12.87-	4	2C-III	Q-CT170, S-CT176V	11	12	19850-64020	GPT-222
	08.94-01.96	4	2C	X-CT170	11	12	19850-64020	GPT-222
Corsa								
	05.86-08.90	4	1N-T	Q-NL30	7	12	19850-54050	GPT-216
	09.90-08.94	4	1N-T	X-NL40	11	12	19850-54090	GPT-223
	01.96-07.99	4	1N-T	NL50	11	12	19850-54120	GPT-234
Crown								
	09.79-08.81	4	L	K-LS110, 117V	11	12	19850-54030	GPT-215
	08.81-07.83	4	L	K-LS110, 117V	11	12	19850-54031	GPT-215
	09.81-07.83	4	L	N-LS110, 110G N-LS117V	7	12	19850-54050	GPT-216
	08.83-07.89	4		N-LS120, 126V N-LS130	7	12	19850-54050	GPT-216
	08.89-	4		Q-LS130, S-LS136V	11	12	19850-54090	GPT-223
	08.82-07.89	4		N-LS111, 120 N-LS130, 130G	6	12	19850-54070 19850-54071	GPT-221
	08.89	4		Q-LS130	11	12	19850-54090	GPT-223
	08.82-08.84	4		N-LS111, 120	11	12	19850-54090	GPT-223
	-12.84	4	2L-THE	N-LS120, 120G	6	12	19850-54070 19850-54071	GPT-221
	12.84-07.89	4	2L-THE	N-LS120, 120G N-LS130, 130G	6	12	19850-54070 19850-54071	GPT-221
	08.89-	4	2L-THEII	Q-LS130, 130G Q-LS131, 141	11	12	19850-54090	GPT-223
	12.95-	4	2L-TE	KD-LS151H	11	12	19850-54110	GPT-235
Deliboy								
	05.91-	4	2C	S-CXC10V	11	12	19850-64020	GPT-222
Dyna								
	04.83-	4	1W	P-WU26,40 P-WU50,90,95	14	24	19850-78010	GPT-900

					V	B V		
TOYOTA cont.								
Dyna cont.								
	08.85-08.88	4	2L	N-LY50, 60	7	12	19850-54050	GPT-216
	08.88-05.95	4	2L	U-LY50	11	12	19850-54090	GPT-223
	03.88-05.95	4	3L	U-LY51, 61	11	12	19850-54090	GPT-223
	05.99-	4	5L	KG-LY102, 112, KG-LY132 152, 162 KG-LY202, 212	11	12	19850-54120	GPT-234
	01.73-10.74	4	2J	JU10, 12, 15, 20, K-JU20	8.5 20.5	12 24	19850-68030 19850-56012	GPT-208 GPT-207
	10.74-08.80	4	B	BU10, 12, 15 BU20, 25, 30	8.5 20.5	12 24	19850-68030 19850-56012	GPT-208 GPT-207
	08.80-04.82	4	B	K-BU20, 30, 35 K-BU20V, 30V, 35V	20.5 10.5	24 12	19850-56012 19850-68010	GPT-207 GPT-218
	04.82-07.89	4	B	K-BU20, 30, 35 K-BU22, 22V, 33, 60, 70, 80	10.5	12	19850-68010	GPT-218
	08.88-05.95	4	B	N-BU60, 70V, VH, 83	23	24	19850-58010	GPT-228
	08.90-05.95	4	B	U-BU60, 70V, VH, 83	23	24	19850-58010	GPT-228
	08.77-08.80	4	2B	K-BU31	8.5	12	19850-68030	GPT-208
	08.77-08.80	4	2B	K-BU31	20.5	24	19850-56012	GPT-207
	08.80-	4	2B	K-BU31	10.5	12	19850-68010	GPT-218
					23	24	19850-68020	GPT-213
	08.80-04.82	4	3B	K-BU36	20.5	24	19850-68040	GPT-207
	04.82-	4	3B	K-BU36, N-BU23, 34, 37	14	24	19850-68060	GPT-217
	05.95-	4	3B	KC-BU100	23	24	19850-58010	GPT-228
	05.95-	4	JO5C	350 Series, KC-FB4	23	24	19110-1220	GPH-409
	10.74-04.82	6	H, 2H	HU15, 30, K-HU30	20.5	24	11065-56012	GPT-207
	04.82-04.83	6	H, 2H	K-HU26, 40, 50	14	24	19850-68060	GPT-217
	05.99-	4	SO5C	KK-XZU302, A, D, H, 307, V KK-XZU312D, 322, D, KK-XZU337, 347 KK-XDU352D, 362, A, D KK-XDU372, 382	23 23	24 24	19110-1220 19850-89101	GPH-409
	05.99-	4	SO5D	KK-XZU301A, D, H, 306 KK-SZU311A, D, 321A, D KK-SZU331 KK-XZU341, 346, 351D, 371	23 23	24 24	19110-1220 19850-89101	GPH-409
Massy Dyna								
	02.69-01.75	6	DQ100	DQ10, QC10, 12, 15	19	24	19850-67010	GPH-402
	02.75-05.78	6	EH100	EC20, 22, 23	19	24	19850-67010	GPH-402
Emina / Lucida								
	01.92-		3C-T	Q-CXR10G, 20G, 21G	11	12	19850-67020	GPT-225
Gaia								
	05.98-	4	3C-TE	KH-CXM10G	11	12	19850-67030	GPT-225
Granvia								
	08.93-	4	1KZ-TE	KD-KCH10W KD-KCH16W	11	12	19850-67020 19850-67030	GPT-225
HiAce								
	07.79-05.81	4	L	K-LH20V, 20G, 24, 30 K-LH30V, 40V, 40B	11	12	19850-54031	GPT-215
	07.79-05.81	4	L	K-LH20V, 20G, 24, 30 K-LH30V, 40V, 40B	23	24	19850-54040	GPT-210
	05.81-11.82	4	L	K-LH20G, 24, 40B, 40V	7 16	12 24	19850-54050 19850-54060	GPT-216 GPT-219
	12.82-08.85	4	L	N-LH24, 24HV, 50V, 50G N-LH60B, 60G, 66V N-LH70V, 70B	7	12	19850-54050	GPT-216
	01.84-07.89	4	2L	N-LH51V, 51G, 56V, N-LH61V, 61G N-LH61B, 66V, 71V, 71B, 80	7	12	19850-54050	GPT-216
	08.89-08.93	4	2L	Q-LH100G, 110G, 140G	11	12	19850-54090	GPT-223
	08.88-08.95	4	2L	U-LH80, VH, 85, 90, 95 U-LH102V	11	12	19850-54090	GPT-223
	08.87-07.89	4	2L-T	N-LH51G, Q-LH51G	6	12	19850-54070 19850-54071	GPT-221
	08.89-10.90	4	2L-T	Q-LH100G, 120G	11	12	19850-54090	GPT-223
	08.88-	4	2L-II	U-LH80	11	12	19850-54090	GPT-223



								
TOYOTA cont.								
Hi-Ace cont.								
	08.89-08.96	4	3L	Q-LH107G, 107W, 117G Q-LH115B U-LH103V, 109V, 113V, 119V U-LH123V, 125B, 129V KC-LH103V, 109V, 113K, V KC-LH119V, 123V, 125B KC-LH129V	11	12	19850-54090	GPT-223
	08.96-08.98	4	3L	KC-LH103V, 109V, 113K, V KC-LH119V, 123V, 125B KC-LH129V	11	12	19850-54120	GPT-234
	08.95-10.96	4	3L	KC-LY101, 111, 151, 161	11	12	19850-54090	GPT-223
	08.98-	4	5L	KG-LH162V, 168V, KG-LH172K, V, 178V KG-LH182K, 184B, 186B KG-LH188K	11	12	19850-54120	GPT-234
	09.93-	4	1KZ-TE	Y-KZH100G, 106G, W Y-KZH110G, 116G Y-KZH120G, 126G KD-KZH100G, 106G, W KD-KZH110G KD-KZH116G, 120G, 126G KC-KZH132V, 138V KH-KZH100G, 106G, W KH-KZH110G, 116G, 120G KJ-KZH132V, 138V	11	12	19850-67020	GPT-225
HiLux								
	12.79-10.81	4	L	K-LN30, 40	11	12	19850-54031	GPT-215
	10.81-	4	L	K-LN40, 46, N-LN40, 55	7	12	19850-54050	GPT-216
	12.79-11.83	4	L	K-LN40, 46, N-LN40, 55	23	24	19850-54040	GPT-210
	11.83-	4	L	K-LN40, 46, N-LN40, 55	16	24	19850-54060	GPT-219
	11.83-	4	2L	N-LN56, 60, 65	7	12	19850-54050	GPT-216
					16	24	19850-54060	GPT-219
	11.84-	4	2L-T	N-LN60V	6	12	19850-54070 19850-54071	GPT-221
	09.88-	4	2L-II	S-LN80, 85	11	12	19850-54090	GPT-223
	09.88-	4	2L-IIT	L-LN61V	11	12	19850-54090	GPT-223
	08.90-09.97	4	2L-TE	Q-LN130G	11	12	19850-54090	GPT-223
	09.97-	4	2L-TE	KB-LN165, 170H	11	12	19850-54120	GPT-234
	02.82-	4	3L	S-LN100, 106, 131V	11	12	19850-54090	GPT-223
	09.97-	4	5L	KF 172	11	12	19850-54120	GPT-234
	08.93-	4	1KZ-TE	KZN130W	11	12	19850-67020	GPT-225
	08.97-	4	1KZ-TE	KDKZN185	11	12	19850-67030	GPT-225
	10.00-	4	1KD-FTV	KH-KDN185W-GAPGY KH-KDN185	11	12	19850-27010 19850-30010	GPT-901
Ipsium								
	08.97-	4	3C-TE	KH-CXM10G	11	12	19850-67030	GPT-225
LandCruiser/ Prado								
	01.75-02.79	4	B	BJ40, 43, 43V	8.5 20.5	12 24	19850-68030 19850-56012	GPT-208 GPT-207
	10.81-09.82	4	2B	K-BJ41, 41V, 44	14	24	19850-68060	GPT-217
	08.80-10.81	4	3B	K-BJ60, 60V	10.5 23	12 24	19850-68010 19850-68020	GPT-218 GPT-213
	10.81-	4	3B	N-BJ42, 42V, 46, 46V, 61V N-BJ42, 46, 61, 70, 73	14 10.5	24 24	19850-68060 19850-68010	GPT-217 GPT-218
	08.63-01.90	4	3B	S-BJ70, V, 73V	23	24	19850-58010	GPT-218
	10.82-08.88	6	2H	N-HJ60V	14	24	19850-68060	GPT-217
	08.88-01.90	6	2H	N-H160V	11	12	19850-58010	GPT-228
	01.90-08.99	6	1HZ	S-HZJ73HV, V U-HZJ70V, 73HV 77HV, V, KB-HZJ70, V, 73	23	24	19850-58010	GPT-228
	01.90-08.99	6	1HZ	U-HZJ75, 81V KC-HZJ75, 81V	11	12	19850-64031	GPT-220
	08.99-	6	1HZ	KG-HZJ71, V, 74K, 76K, 79	11	12	19850-17020	GPT-902
	01.90-01.95	6	1HDT	U-HDJ81	11	12	19850-64031	GPT-220
	04.90-05.93	4	2L-TE	Q-LJ71G, 78G 78G	11	12	19850-54090	GPT-223
	01.90-01.94	6	1PZ	S-PZJ70, 77V, 77HV	23	24	19850-58010	GPT-228
	05.93-	4	1KZ-TE	KZJ71G, 71W, 78G, 78W	11	12	19850-67020	GPT-225
	05.96-	4	1KZ-TE	KD-KZJ90W, 95W	11	12	19850-67030	GPT-225

					V	B V		
TOYOTA cont.								
LandCruiser/ Prado cont.								
	10.00-	4	1KD-FTV	KH-KDJ95W-GKPGY KH-KDJ90, KH-KDJ95	11	12	19850-27010 19850-30010	GPT-901
LiteAce								
	10.82-07.88	4	1C	N-CM20, 20G, 20V	7	12	19850-64010	GPT-212
	08.85-07.88	4	1C-II	N-CM20, CR26V	7	12	19850-64010	GPT-212
	08.88-	4	1C-II	S-CM50	11	12	19850-64020	GPT-222
	08.85-	4	2C-II	N-CM26, CR27V	7	12	19850-64010	GPT-212
	08.88-	4	2C	S-CM41V, 51, 55, 60, 65 S-CM31V, 36V	11 11	12 12	19850-64020 19850-64020	GPT-222
	08.88-	4	2C-III	Q-CM30G				
	10.96-	4	2C, 2C-III	KB-CR41V, 51V	11	12	19850-64050	GPT-233
	08.88-	4	2C-IIIT	Q-CM30G, 40G	11	12	19850-64020	GPT-222
	08.93-	4	2C-T	CR22G, 29G, 31G, 38G	11	12	19850-64020	GPT-222
	08.94-10.96	4	3C-T	CR22G, 29G, 31G, 38G	11	12	19850-67020	GPT-225
	10.96-	4	3C-T	KD-CR40G, 50G	11	12	19850-67030	GPT-225
LiteAce Noah								
	10.96-	4	2C-III	KB-CR41V, KB-CR51V	11	12	19850-64050	GPT-233
Master Ace								
	04.83-	4	2C	N-CR21G	7	12	19850-64010	GPT-212
	08.85-	4	2C-II	N-CR21G	7	12	19850-64010	GPT-212
	08.88-	4	2C-IIIT	N-CR21G, 28G, 30G, 37G	11	12	19850-64020	GPT-222
Premio								
	01.96-01.98	4	2C-T	KD-CT210, 215	11	12	19850-64050	GPT-233
	01.98-	4	3C-TE	KE-CT211, KH-CT216	11	12	19850-67030	GPT-225
Regius								
	07.97-	4	1KZ-TE	KD-KCH 40, KCH 46	11	12	19850-67030	GPT-225
	08.97-	4	5L	KG-LXH43	11	12	19850-54120	GPT-234
Starlet								
	12.86-12.89	4	1N	Q-NP50, 70, N-NP76V	7	12	19850-54050	GPT-216
	12.89-01.96	4	1N	Q-NP80, X-NP80	11	12	19850-54090	GPT-223
	01.96-07.99	4	1N	KD-NP90	11	12	19850-54120	GPT-234
Town Ace								
	11.82-09.87	4	1C	N-CM20, 25, N-CR21G, 26V	7	12	19850-64010	GPT-212
	11.82-09.87	4	2C	N-CM20, 25, N-CR21G, 26V	7	12	19850-64010	GPT-212
	08.85-07.87	4	1C-II	N-CM20, CR26V	7	12	19850-64010	GPT-212
	08.87-10.89	4	1C-II	N-CM50, LYM55, 60, CM50	11	12	19850-64020	GPT-222
	08.90-10.96	4	2C	S-CM51, 55, 60, 65 S-CR27V, 36V	11	12	19850-64020	GPT-222
	10.96-	4	2C	KB-CR41V, 51V	11	12	19850-64050	GPT-233
	08.85-07.87	4	2C-II	N-CM26, CR27V, CR21G	7	12	19850-64010	GPT-212
	08.87-	4	2C-II	N-CM51, 55, 60	11	12	19850-64020	GPT-222
	08.85-07.87	4	2C-TII	N-CR21G	7	12	19850-64010	GPT-212
	08.87-09.93	4	2C-TII	N-CR21G, 28G, 30G, 37G	11	12	19850-64020	GPT-222
	08.88-	4	2C-III	S-CR27V, 36V	11	12	19850-64020	GPT-222
	08.88-	4	2C-IIIT	S-CM51, 55, 60, 65, Q-CR21G, 28G, 30G Q-CR36G, 37G	11	12	19850-64020	GPT-222
	08.93-	4	2C-T	CR22G, 29G, 31G, 38G	11	12	19850-67020 19850-67030	GPT-225
	08.94-10.96	4	3C-T	CR22G, 29G, 31G, 38G	11	12	19850-67020 19850-67030	GPT-225
	10.96-	4	3C-T	KD-CR40G, 50G	11	12	19850-67020 19850-67030	GPT-225
Toyo-Ace								
	04.80-01.82	4	L	K-LY20, 20V, 30, 30V	11	12	19850-54030 19850-54031	GPT-215
					23	24	19850-54040	GPT-210
	01.82-	4	L	K-LY20, 20V, 30, 30V N-LY20	7	12	19850-54050	GPT-216
	01.82-	4	L	K-LY20, 20V, 30, 30V N-LY20	16	24	19850-54060	GPT-219
	08.90-	4	1W	U-WU75D, 90, 95	23	24	19850-78010	GPT-900
	08.83-	4	2L	N-LY21, 31, 31V	7	12	19850-54050	GPT-216
				N-LY21, 31, 31V	16	24	19850-54060	GPT-219



					V	B V		
TOYOTA cont.								
Toyo-Ace cont.								
	08.85-08.88	4	2L	N-LY50, 60	7	12	19850-54050	GPT-216
	08.88-05.95	4	2L-II	U-LY50	11	12	19850-54090	GPT-223
	08.88-05.95	4	3L	U-LY51, 61	11	12	19850-54090	GPT-223
	06.95-	4	3L	KC-LY131	11	12	19850-54090	GPT-223
	04.74-08.80	4	2J	JY16, K-JY16, 30	8.5	12	19850-68030	GPT-208
	04.74-08.80	4	2J	K-JY16, 30	20.5	24	19850-56012	GPT-207
	08.80-01.82	4	2J	K-JY16, 30	10.5	12	19850-68010	GPT-218
	02.82-07.87	4	2J	K-JY16, 30	23	24	19850-68020	GPT-213
					6	12	19850-68050	GPT-214
					14	24	19850-68060	GPT-217
	08.80-01.82	4	B	K-BY30	10.5	12	19850-68010	GPT-218
					23	24	19850-68020	GPT-213
	02.82-07.87	4	B	K-BY30, 31	10.5	12	19850-68010	GPT-218
					14	24	19850-68060	GPT-217
	01.86-	4	B	N-BU60V II	10.5	12	19850-68010	GPT-218
	08.85-08.88	4	B	N-BU60, VH, 70V, 80	14	24	19850-68060	GPT-217
	08.88-05.95	4	B	U-BU60, 70V, VH, 83	23	24	19850-58010	GPT-228
	10.89-05.95	4	3B	U-BU68DH	23	24	19850-58010	GPT-228
	05.95-	4	3B	KC-BU100, A, 105, 120V	23	24	19850-58010	GPT-228
				KC-BU140, 145				
	06.95	6	JO5C	G25, FB4J	23	24	19110-1220	GPH-409
					23	24	19850-78010	
					23	24	067100-1830	
Tercel								
	05.86-08.90	4	1N-T	Q-NL30	7	12	19850-54050	GPT-216
	09.90-08.94	4	1N-T	X-NL40	11	12	19850-54090	GPT-223
	01.96-07.99	4	1N-T	NL50	11	12	19850-54120	GPT-234
VOLKSWAGEN								
Caravelle								
2.4L	09.90-	5	AAB		11	12		0 250 201 032
2.5 TDI	05.99-06.03		AUF		11	12		0 250 202 022
Golf								
Golf	00.78-00.80	4			11	12		0 250 201 032
Golf Turbo	00.78-00.80	4			11	12		0 250 201 032
Golf III								
1.9 TDI	09.93-07.96	4	1Z		11	12		0 250 202 022
					11.5	12		0 250 201 036
1.9 TDI Cabriolet	08.95-07.96	4	1Z		11	12		0 250 202 022
					11.5	12		0 250 201 036
1.9 TDI Syncro	03.95-07.96	4	1Z		11	12		0 250 202 022
					11.5	12		0 250 201 036
1.9 TDI Variant	07.93-07.96	4	1Z		11	12		0 250 202 022
					11.5	12		0 250 201 036
1.9 TDI Variant Syncro	10.94-07.96	4	1Z		11	12		0 250 202 022
					11.5	12		0 250 201 036
Jetta								
Turbo 1.6L	08.84-07.92	4	MF		11	12		0 250 201 032
Passat								
1.5	08.77-03.88	4			11	12		0 250 201 032
1.6L	08.77-03.88	4			11	12		0 250 201 032
1.6 TD	08.77-03.88	4			11	12		0 250 201 032
1.9L	03.91-	4			11	12		0 250 201 032
Quantum								
1.6 TD	07.82-07.85	4			11	12		0 250 201 032
Rabbit								
1.6 TD	01.83-07.84	4			11	12		0 250 201 032
Santana								
1.6 TD	04.82-00.84	4	CR		11	12		0 250 201 032
	04.82-00.84	4	CY		11	12		0 250 201 032
	04.82-00.84	4	CK		11	12		0 250 201 032
Touareg								
5.0 TDI	11.02-	10	AYH		11	12		0 250 202 046

					V	B V		
VOLKSWAGEN cont.								
Transporter								
1.6L	00.81-07.92	4	CS, JX		11	12		0 250 201 032
1.7 TD	10.86-07.92	4	KY		11	12		0 250 201 032
2.4L 4x4	00.95-	5	AAB		11	12		0 250 201 032
2.4L 4x4 Synchro	00.92-	5	AAB		11	12		0 250 201 032
2.4 D T4	09.90-05.98	5	AAB		11	12		0 250 201 032
2.4 D T4	09.90-05.98	5	AAB		11	12		0 250 201 046

VOLVO PENTA

AQD								
21A – 56.2PS	01.68-00.79	2			11	12		0 250 200 055
21B – 45KW	08.79-06.81	4			11	12		0 250 201 039
32A – 106PS	08.69-12.77	6			11	12		0 250 200 055
40A –	04.77-06.86	6			11	12		0 250 201 034
70D – 206KW	12.78-06.82	6			19	24		0 257 210 004

MD

21A – 56.2PS	01.68-07.79	4			11	12		0 250 200 055
21B – 45KW	08.79-07.81	4			11	12		0 250 201 039
21B/110S – 45KW	08.79-07.81	4			11	12		0 250 201 039
32A – 106PS	08.69-12.77	6			11	12		0 250 200 055
40A – 59, 66KW	05.78-05.82	6			11	12		0 250 201 034

TAMD

60B – 235PS	10.78-04.83	6			11	12		0 250 201 034
70D – 206KW	12.78-03.83	6			19	24		0 257 210 004

TD

40A	05.78-07.83	6			11	12		0 250 201 034
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TMD

40A – 74KW, 115PS	02.77-06.83	6			11	12		0 250 201 034
40A – 74KW, 130PS	02.77-06.83	6			11	12		0 250 201 034





Cross Reference



ALFA ROMEO

46072001	0 250 201 039
4849406	0 250 201 039
60596245	0 250 201 039
773592	0 250 201 039

7735920	0 250 201 039
116610535800	0 250 201 034
116760535801	0 250 201 034

BMW

12121286059	0 250 201 039
12121288161	0 250 201 039
12231288245	0 250 201 039

CITROEN

596139	0 250 201 039
596140	0 250 201 039
596153	0 250 201 039
596154	0 250 201 039

596157	0 250 201 039
596158	0 250 201 039
596274	0 250 201 039
5962J2	0 250 201 039
5962J4	0 250 201 039

5962J6	0 250 201 039
5962K5	0 250 201 039
5962R8	0 250 201 039
5962S8	0 250 201 039
5962T1	0 250 201 039

5962T3	0 250 201 039
5962W8	0 250 201 039
5962X1	0 250 201 039
7932564528	0 250 201 039
7932567717	0 250 201 039

7932567718	0 250 201 039
91507718	0 250 201 039
91508610	0 250 201 039
91521849	0 250 201 039
91536646	0 250 201 039

95493206	0 250 201 039
95534788	0 250 201 039
96104689	0 250 201 039
96141678	0 250 201 039
96165724	0 250 201 039

MKD00066	0 250 201 039
MKP00064	0 250 201 039
MKP00065	0 250 201 039
MKP00069	0 250 201 039

DAIHATSU

067100-1830	GPH-409
19850-56012	GPT-207
19850-58010	GPT-228
19850-64020	GPD-903

19850-64030	GPD-903
19850-64050	GPD-903
19850-68010	GPT-218
19850-68060	GPT-217
19850-87309	GPT-208

19850-87701	GPD-903
19850-87703	GPD-906
19850-89101	GPH-409

FIAT

4393814	0 250 201 039
4714294	0 250 201 039
4729585	0 250 201 039
4754011	0 250 201 039

4774413	0 250 201 039
4781356	0 250 201 039
4849406	0 250 201 039
5493206	0 250 201 039
5950464	0 250 201 039

5951881	0 250 201 039
5951882	0 250 201 039
5973752	0 250 201 039
773592	0 250 201 039
7735920	0 250 201 039

77359200	0 250 201 039
96165724	0 250 201 039
9616572480	0 250 201 039

FORD

1353-18-140	GPM-501
1587444	0 250 201 039
1590417	0 250 202 001
5023372	0 250 201 039

5031006	0 250 201 039
6063505	0 250 202 001
6075812	0 250 202 001
6132246	0 250 202 001
6154593	0 250 201 039

6163811	0 250 202 001
7072673	0 250 201 039
7088988	0 250 202 001
78F6M090BA	0 250 201 039
78GB6M090CA	0 250 201 039

83BB6M090A1A	0 250 201 039
83BB6M090A2A	0 250 201 039
84BB6M090AA	0 250 201 039
84FF6M090B1A	0 250 202 001
84FF6M090B2A	0 250 202 001

84FF6M091BA	0 250 202 001
88BB6M090AA	0 250 201 039
89FF6M090AA	0 250 202 001
89FF6M091AA	0 250 202 001
89OX6M090UA	0 250 201 039

93BB6M090A2A	0 250 201 039
93FF6M090AA	0 250 202 001
94DD6M090AA	0 250 201 039
EZD30	0 250 201 039
EZD8	0 250 202 001

S501-18-140	GPM-502
SE01-18-140	GPM-503
V94DD6M090AA	0 250 201 039
V94DX6M090AA	0 250 201 039

HINO

6301330010	GPH-402
067100-1830	GPH-409
19110-1040A	GPH-402
19110-1160	GPH-408

19110-1220	GPH-409
1985A56012	GPT-207
1985A56022	GPT-208
1985A68060	GPT-217

HOLDEN

8-94133759-5	GPI-010
8-94175158-0	GPI-010
8-94221719-3	GPI-005
8-94241449-0	GPI-005

8-94255588-0	GPI-005
8-94387612-1	GPI-014
8-97044037-0	GPI-014
9-82511978-0	GPI-003

HONDA

ZA8-9704-4037	GPI-014
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INTERNATIONAL

3054716R91	0 250 200 021
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ISUZU

5-81410040-0	GPI-017
5-81410056-3	GPI-009
5-81410058-3	GPI-009
8-94133759-2	GPI-010

8-94133759-5	GPI-008
8-94133759-5	GPI-010
8-94135377-4	GPI-021
8-94144412-0	GPI-013
8-94175158-0	GPI-010

8-94175178-0	GPI-010
8-94221719-0	GPI-005
8-94221719-2	GPI-005
8-94221719-3	GPI-005
8-94241449-0	GPI-005

8-94241449-0	GPI-005
8-94255588-0	GPI-005
8-94255588-0	GPI-005
8-94319700-1	GPI-013
8-94387612-1	GPI-014

8-97033761-0	GPI-021
8-97043744-0	GPI-014
8-97044037-0	GPI-014
8-97143674-1	GPI-026
8-99481972-0	GPI-016

9-82511945-0	GPI-001
9-82511945-0	GPI-001
9-82511978-0	GPI-003
9-82511994-0	GPI-001
9-82513928-2	GPI-008

IVECO

4774413	0 250 201 039
4781356	0 250 201 039
4841294	0 250 201 039
5951879	0 250 201 039

98462490	0 250 201 039
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KIA

OK05418140	0 250 202 089
OK71018140	0 250 202 089
OK71018140A	0 250 202 089

MAZDA

1353-18-140	GPM-501
1353-18-140A	GPM-501
1N02-18-601	GPN-331
1N03-18-601	GPN-331

RF1M-18-601	GPM-515
RFG1-18-601	GPM-510
RFJ5-18-601	GPM-510
RFJ5-18-601	GPM-511
RFP1-18-601	GPM-515

RFP1-18-601	GPM-517
S201-18-140	GPM-502
S501-18-140A	GPM-502
SE01-18-140A	GPM-503
SEM1-18-601	GPM-516

WL03-18-601	GPM-513
YJ02-18-601	GPI-021

MERCEDES-BENZ

00011593701	0 250 202 045
00011593801	0 250 202 045
00011594801	0 250 202 045
00011594901	0 250 202 045

0001592201	0 250 201 039
0001592501	0 250 001 016
0001592601	0 250 001 016
0001593501	0 250 201 039
0001596001	0 250 001 016

0001596101	0 250 001 016
0001597701	0 250 201 039
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0001598301	0 250 201 039
0001599001	0 250 001 016

0011590001	0 250 201 026
0011590001	0 250 201 041
0011591701	0 250 201 026
0011591701	0 250 201 041
0011592801	0 250 202 029

0011593601	0 250 201 041
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MITSUBISHI

31366-02100	GPM-905
31366-14701	GPM-905
31666-02109	GPM-905
MD 014997	GPF-128

MD 050212	GPF-112
MD 092392	GPF-133
MD 197511	GPF-117
MD 301950	GPF-118
MD 344469	GPM-903

ME 001581	GPM-900
ME 007545	GPM-905
ME 007547	GPM-906
ME 007649	GPM-901
ME 017009	GPF-121

ME 017010	GPF-103
ME 017013	GPF-103
ME 017057	GPM-907
ME 077615	GPF-116
ME 200970	GPF-119

MITSUBISHI

ME 201632	GPM-902
ME 201632	GPM-902
ME 201638	GPF-119
ME 203539	GPM-904

ME 203583	GPM-902
ME 203583	GPM-902
ME 203754	GPM-902
ME 203754	GPM-902
MM 401625	GPM-905

NISSAN

11055-T9000	GPN-311
11065-OW801	GPN-342
11065-10G00	GPN-322
11065-10T01	GPN-328

11065-16A05	GPN-315
11065-16A15	GPN-315
11065-30506	GPN-302
11065-31N00	GPN-338
11065-31N00	GPN-342

11065-31W00	GPN-306
11065-31W01	GPN-306
11065-34W00	GPN-319
11065-37506	GPN-302
11065-37507	GPN-302

11065-43G01	GPN-327
11065-57J00	GPN-331
11065-5C900	GPN-331
11065-63G00	GPN-327
11065-65N01	GPN-342

11065-C8600	GPN-324
11065-G2400	GPN-338
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11065-G5501	GPN-330
11065-J2000	GPN-339

11065-J6500	GPN-321
11065-OW801	GPN-342
11065-Q4001	GPN-306
11065-T31W01	GPN-306
11065-T3400	GPN-336

11065-T3401	GPN-336
11065-T3470	GPN-308
11065-T8200	GPN-318
11065-T8202	GPN-318
11065-T9000	GPN-311

11065-T9001	GPN-311
11065-V0700	GPN-309
11065-V0710	GPN-316
11065-W2500	GPN-316
11065-W2510	GPN-316

11065-W3400	GPN-320
11065-W3410	GPN-320
11065-Y1400	GPN-310
11065-Y1401	GPN-310
11065-Y1402	GPN-332

11065-Y1403	GPN-332
11065-Y1404	GPN-332
11065-Z5000	GPN-305

PEUGEOT

5415813	0 250 200 055
596064	0 250 202 032
596065	0 250 202 032
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PEUGEOT

596067	0 250 202 032
596105	0 250 200 055
596122	0 250 200 055
596139	0 250 201 039

596140	0 250 201 039
596153	0 250 201 039
596154	0 250 201 039
596157	0 250 201 039
596158	0 250 201 039

59623C	0 250 202 032
59623E	0 250 202 032
596274	0 250 201 039
59627F	0 250 202 032
59627G	0 250 202 032

5962C7	0 250 200 055
5962J2	0 250 201 039
5962J4	0 250 201 039
5962J5	0 250 201 039
5962J6	0 250 201 039

5962K5	0 250 201 039
5962R8	0 250 201 039
5962S8	0 250 201 039
5962T1	0 250 201 039
5962T3	0 250 201 039

5962W8	0 250 201 039
5962X1	0 250 201 039
7932564528	0 250 201 039
7932567619	0 250 200 055
7932567717	0 250 201 039

7932567718	0 250 201 039
91507718	0 250 201 039
91508610	0 250 201 039
91521849	0 250 201 039
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96104689	0 250 201 039
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HG2621	0 250 200 055

MKD00066	0 250 201 039
MKP000069	0 250 201 039
MKP00064	0 250 201 039
MKP00065	0 250 201 039
MKP00067	0 250 201 039

RENAULT

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7700662199	0 250 201 039
7700673874	0 250 201 039
7700701130	0 250 201 039

7700704185	0 250 201 039
7700715768	0 250 201 039
7700733076	0 250 201 039
7700741144	0 250 201 039
7700855865	0 250 201 039

7700856238	0 250 201 039
7701029762	0 250 201 039
7701039387	0 250 201 039
7701349475	0 250 201 039
7701349943	0 250 201 039

RENAULT

7701414086	0 250 201 039
7701414162	0 250 201 039
7932567717	0 250 201 039
8671004018	0 250 201 039

ROVER

ADU9830	0 250 201 039
ADU9955	0 250 201 034
ERC8450	0 250 201 039
ERC8648	0 250 201 034

ETC8847	0 250 202 040
NCC100050L	0 250 202 025
NCC100050	0 250 202 025
NCC100120	0 250 202 103
NCC100120L	0 250 202 103

SEAT

0003940685	0 250 201 039
021919000C	0 250 201 039

SSANGYONG

0011590001	0 250 201 041
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STEYR

1596101	0 250 001 016
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TALBOT

9150771580	0 250 201 039
9150771880	0 250 201 039
9150771980	0 250 201 039
9152191880	0 250 201 039

9553478880	0 250 201 039
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TOYOTA

067100-1830	GPH-409
11065-56012	GPT-207
11065-68040	GPT-208
19110-1220	GPH-409

19850-17020	GPT-902
19850-27010	GPT-901
19850-30010	GPT-901
19850-54030	GPT-205
19850-54030	GPT-215

19850-54031	GPT-215
19850-54040	GPT-210
19850-54050	GPT-215
19850-54050	GPT-216
19850-54060	GPT-219

19850-54070	GPT-221
19850-54071	GPT-221
19850-54090	GPT-223
19850-54110	GPT-235
19850-54120	GPT-234

19850-54130	GPT-235
19850-56012	GPT-207
19850-58010	GPT-218
19850-58010	GPT-228
19850-64010	GPT-212

TOYOTA

19850-64020	GPT-222
19850-64031	GPT-220
19850-64050	GPT-233
19850-67010	GPH-402

19850-67020	GPT-225
19850-67030	GPT-225
19850-68010	GPT-218
19850-68020	GPT-213
19850-68030	GPT-208

19850-68040	GPT-207
19850-68050	GPT-214
19850-78010	GPT-900
19850-78010	GPH-409
19850-89101	GPH-409

VOLKSWAGEN

068905061	0 250 201 032
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N01908104	0 250 201 032

N01909701	0 250 201 032
N01910001	0 250 201 032
N01910002	0 250 201 032
N01910005	0 250 201 032
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N01910006	0 250 201 032
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N10140102	0 250 202 022
N10140103	0 250 202 022
N10140104	0 250 202 022

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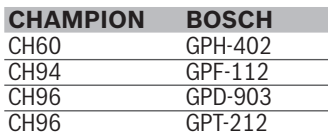
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VOLVO

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1542411	0 250 201 034
3092109	0 250 201 034
3094343	0 250 201 034

3287815	0 250 201 039
829857	0 250 201 039
840643	0 250 201 039
870680	0 250 200 055
870846	0 250 200 055





CH105	GPN-320
CH107	GPH-402
CH109	GPI-008
CH110	GPI-005
CH111	GPI-009

CH123	GPM-503
CH125	GPT-214
CH127	GPN-302
CH129	GPN-318
CH131	GPT-213

CH132	GPT-216
CH133	GPT-218
CH134	GPM-501
CH135	GPI-003
CH136	GPN-306

067100-1071	GPH-402
067100-1161	GPT-207
067100-1171	GPT-208
067100-1175	GPT-208

067100-1360	GPT-207
067100-1370	GPT-216
067100-1430	GPT-212
067100-1450	GPT-214
067100-1460	GPT-217

067100-1530	GPD-903
067100-1630	GPT-215
067100-1690	GPT-220
067100-2140	GPT-211

HKT	BOSCH
CP-01	GPN-330
CP-02	GPN-331
CP-03	GPN-342
CP-05	GPF-119

CP-06	GPF-133
CP-07	GPF-117
CP-20	GPT-235
CP-22	GPT-225
CP-60	GPM-515

PD-190	GPD-903
PD-192	GPD-906
PH-21	GPH-402
PH-25	GPH-408
PH-26	GPH-409

HKT	BOSCH
PI-40	GPI-001
PI-42	GPI-003
PI-46	GPI-005
PI-44	GPI-008

PI-45	GPI-017
PI-48	GPI-009
PI-49	GPI-010
PI-50	GPI-021
PI-57	GPI-016

PI-58	GPI-013
PI-59	GPI-014
PI-172	GPI-026
PM-65	GPM-905
PM-73	GPF-103

PM-74	GPM-906
PM-75	GPF-112
PM-77	GPF-116
PM-78	GPM-907
PM-160	GPF-121

PM-161	GPF-128
PM-162	GPM-900
PM-163	GPM-901
PM-164	GPF-118
PM-165	GPM-902

PM-167	GPM-903
PM-168	GPM-904
PN-81	GPN-302
PN-82	GPN-305
PN-84	GPN-339

PN-85	GPN-310
PN-86	GPN-332
PN-87	GPN-306
PN-88	GPN-336
PN-89	GPN-309

PN-120	GPN-308
PN-121	GPN-316
PN-125	GPN-311
PN-126	GPN-315
PN-128	GPN-318

PN-129	GPN-320
PN-130	GPN-321
PN-131	GPN-324
PN-132	GPN-322
PN-135	GPN-327

PN-136	GPN-328
PN-138	GPN-338
PT-101	GPT-207
PT-104	GPT-208
PT-105	GPT-210

PT-107	GPT-212
PT-108	GPT-213
PT-140	GPT-216
PT-141	GPT-217
PT-142	GPT-219

PT-144	GPT-215
PT-145	GPT-218
PT-146	GPT-214
PT-147	GPT-221
PT-148	GPT-900

PT-150	GPT-222
PT-151	GPT-223
PT-152	GPT-220
PT-153	GPT-228
PT-154	GPT-233

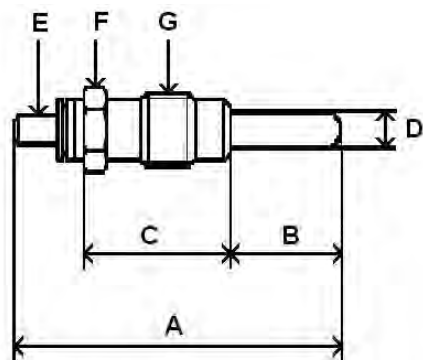
HKT	BOSCH
PT-155	GPT-234
PT-157	GPT-901
PT-158	GPT-902
PZ-30	GPM-501

PZ-31	GPM-503
PZ-33	GPM-502
PZ-35	GPM-504
PZ-37	GPM-511
PZ-38	GPM-510

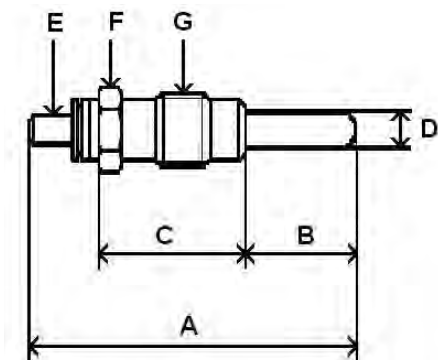
PZ-39	GPM-513
PZ-701	GPM-516
PZ-702	GPM-517

Glow Plug Dimensions





Part No.	A mm	B mm	C mm	D mm	E mm	F mm	G Ø mm	Voltage
0 250 001 016	89.0	28.0		10	M5		18 x 1.5	0.9
0 250 002 004	133.0	29.0		12	M5		Nut	1.7
0 250 200 021	93.0	28.0		6	M5		18 x 1.5	9.5
0 250 200 035	90.0	28.0		3	SAE8/32		10 x 1.0	12
0 250 200 055	89.0	38.0		6	M5		18 x 1.5	11
0 250 201 032	59.0	21.0		6	M5		12 x 1.25	11
0 250 201 034	75.0	30.0		6	M5		12 x 1.25	11
0 250 201 036	76.0	21.0		6	Plug		12 x 1.25	11.5
0 250 201 039	71.0	25.0		6	M5		12 x 1.25	11
0 250 201 041	69.0	23.0		6	M5		12 x 1.25	11
0 250 201 045	67.0	25.0		6	M5		12 x 1.25	11
0 250 201 046	59.0	21.0		6	M5		12 x 1.25	11
0 250 201 047	69.0	23.0		6	M5		12 x 1.25	11
0 250 202 001	66.0	21.0		5	M4		12 x 1.25	11
0 250 202 022	92.0	25.0		5	Plug		10 x 1.0	11
0 250 202 025	84.0	25.0		5	M4		10 x 1.0	11
0 250 202 029	129.0	28.0		5	Plug		10 x 1.0	11
0 250 202 032	107.0	28.0		5	M4		10 x 1.0	11
0 250 202 040	125.0	26.0		5	M4		10 x 1.0	11
0 250 202 045	130.0	28.0		5	Plug		10 x 1.0	11.5
0 250 202 089	86.0	22.0		5	M4		10 x 1.25	11
0 250 202 103	107.0	33.0		5	Plug		10 x 1.0	11
GPD-903	101.0	28.0	53.0	5	M4	12	10 x 1.25	7
GPD-906	101.0	28.0	53.0	5	M4	12	10 x 1.25	11
GPF-103	97.0	20.0	57.5	5	M4	12	12 x 1.25	21
GPF-112	95.0	22.0	52.0	5	M4	12	10 x 1.25	12
GPF-116	83.0	22.5	41.0	5	M4	12	12 x 1.25	11
GPF-117	85.0	17.5	47.0	5	M4	12	10 x 1.25	11
GPF-118	84.0	20.0	45.0	5	M4	12	10 x 1.25	11
GPF-119	89.0	21.5	47.0	5	M4	12	10 x 1.25	11
GPF-121	97.0	19.5	57.5	5	M4	12	12 x 1.25	24
GPF-128	95.0	22.0	52.0	5	M4	12	10 x 1.25	6
GPF-133	94.0	20.0	54.0	5	M4	12	10 x 1.25	6
GPH-402	85.0	25.0	41.0	5	M4	12	10 x 1.25	19
GPH-408	141.0	24.0	94.0	5	M4	12	12 x 1.25	11
GPH-409	160.0	28.0	108.0	5	M4	12	12 x 1.25	23
GPI-001	91.0	20.0	50.0	6	M5	19	18 x 1.5	23
GPI-003	89.0	24.0	47.0	5	M4	12	10 x 1.25	11
GPI-005	89.0	24.0	47.0	5	M4	12	10 x 1.25	5
GPI-008	138.0	24.0	94.0	5	M4	12	12 x 1.25	21
GPI-009	95.0	24.0	53.0	5	M4	12	10 x 1.25	10
GPI-010	141.0	24.0	94.0	5	M4	12	12 x 1.25	11
GPI-013	89.0	24.0	47.0	5	M4	12	10 x 1.25	11
GPI-014	84.0	17.0	47.0	5	M4	12	10 x 1.25	11
GPI-016	84.0	17.0	47.0	5	M4	12	10 x 1.25	11
GPI-017	89.0	24.0	47.0	5	M4	12	10 x 1.25	9
GPI-021	141.0	24.0	94.0	5	M4	12	12 x 1.25	23
GPI-024	141.0	24.0	94.0	5	M4	12	12 x 1.25	11
GPI-026	145.0	23.5	103.5	5	M4	12	10 x 1.25	11
GPM-501	86.0	22.0	45.0	5	M4	12	10 x 1.25	12
GPM-502	86.0	22.0	45.0	5	M4	12	10 x 1.25	11
GPM-503	86.0	22.0	45.0	5	M4	12	10 x 1.25	23
GPM-504	86.0	22.0	45.0	5	M4	12	10 x 1.25	12
GPM-510	84.0	22.0	45.0	5	M4	12	10 x 1.25	11
GPM-511	84.0	22.0	45.0	5	M4	12	10 x 1.25	12
GPM-513	85.0	22.5	47.0	5	M4	12	10 x 1.25	11
GPM-515	101.0	22.0	58.5	5	M4	12	10 x 1.25	11
GPM-516	82.0	19.0	47.0	5	M4	12	10 x 1.25	24



Part No.	A mm	B mm	C mm	D mm	E mm	F mm	G Ø mm	Voltage
GPM-517	93.0	22.0	50.0	5	M4	12	10 x 1.25	11
GPN-301	83.0	18.5	47.0	5	M4	12	10 x 1.25	11
GPN-302	68.0	17.0	33.5	5	M4	12	10 x 1.25	11
GPN-305	94.0	21.0	55.0	5	M4	14	12 x 1.25	19
GPN-306	70.0	19.0	33.5	5	M4	12	10 x 1.25	11
GPN-308	75.0	19.0	39.0	5	M4	12	10 x 1.25	23
GPN-309	59.0	20.0	26.0	6	M5	12	12 x 1.25	11
GPN-310	68.0	17.0	33.5	5	M4	12	10 x 1.25	9
GPN-311	94.0	21.0	55.0	5	M4	14	12 x 1.25	23
GPN-315	91.0	25.0	47.5	5	M4	12	10 x 1.0	7
GPN-316	61.0	20.0	26.0	6	M5	12	12 x 1.25	7
GPN-318	70.0	19.0	33.5	5	M4	12	10 x 1.25	11
GPN-320	61.0	20.0	26.0	6	M5	12	12 x 1.25	9
GPN-321	94.0	21.0	55.0	5	M4	14	12 x 1.25	23
GPN-322	67.0	17.0	33.5	5	M4	12	10 x 1.25	11
GPN-324	67.0	17.0	33.5	5	M4	12	10 x 1.25	24
GPN-327	88.0	22.0	50.0	5	M4	12	10 x 1.25	11
GPN-328	87.0	22.0	50.0	5	M4	12	10 x 1.25	24
GPN-331	95.0	18.5	62.0	5	M4	12	10 x 1.25	11
GPN-332	70.0	19.0	33.5	5	M4	12	10 x 1.25	10
GPN-336	76.0	19.0	39.0	5	M4	12	10 x 1.25	21
GPN-338	84.0	19.0	50.0	5	M4	12	10 x 1.25	11
GPN-339	94.0	21.0	55.0	5	M4	14	12 x 1.25	10
GPN-342	81.5	15.5	52.0	5	M4	12	10 x 1.25	11
GPT-142	95.0	32.0	43.5	5	M4	12	10 x 1.25	16
GPT-207	101.0	28.0	53.0	5	M4	12	10 x 1.25	21
GPT-208	101.0	28.0	53.0	5	M4	12	10 x 1.25	9
GPT-210	95.0	31.5	43.5	5	M4	12	10 x 1.25	23
GPT-212	101.0	28.0	53.0	5	M4	12	10 x 1.25	7
GPT-213	101.0	28.0	53.0	5	M4	12	10 x 1.25	23
GPT-214	96.0	28.0	53.0	5	M4	12	10 x 1.25	6
GPT-215	96.0	31.5	43.5	5	M4	12	10 x 1.25	11
GPT-216	95.0	31.5	43.5	5	M4	12	10 x 1.25	7
GPT-217	101.0	28.0	53.0	5	M4	12	10 x 1.25	14
GPT-218	101.0	28.0	53.0	5	M4	12	10 x 1.25	11
GPT-220	96.0	27.0	53.0	5	M4	12	10 x 1.25	11
GPT-221	95.0	31.5	43.5	5	M4	12	10 x 1.25	6
GPT-222	101.0	28.0	53.0	5	M4	12	10 x 1.25	11
GPT-223	95.0	32.0	43.5	5	M4	12	10 x 1.25	11
GPT-225	104.0	25.0	58.5	5	M4	12	10 x 1.25	11
GPT-228	101.0	28.0	53.0	5	M4	12	10 x 1.25	23
GPT-233	101.0	28.0	53.0	5	M4	12	10 x 1.25	11
GPT-234	97.0	32.0	43.5	5	M4	12	10 x 1.25	11
GPT-235	104.0	28.0	55.5	5	M4	12	10 x 1.25	11
GPT-900	141.0	24.0	94.0	5	M4	12	12 x 1.25	14
GPT-901	170.0	37.0	111.5	5	M4	12	10 x 1.25	11
GPT-902	101.5	28.0	53.0	5	M4	12	10 x 1.25	11
GPM-900	87.0	22.5	45.0	5	M4	12	12 x 1.25	11
GPM-901	131.0	25.0	85.0	5	M4	12	10 x 1.25	23
GPM-902	88.0	20.5	47.0	4	M4	12	10 x 1.25	11
GPM-903	85.0	17.5	47.0	5	M4	12	10 x 1.25	11
GPM-904	170.0	35.0	114.5	5	M4	12	10 x 1.25	11
GPM-905	80.0	20.5	41.0	5	M4	12	12 x 1.25	23
GPM-906	80.0	20.2	41.0	5	M4	12	12 x 1.25	21
GPM-907	97.0	20.0	57.5	5	M4	12	12 x 1.25	23

0 250 001 016



0 250 002 004



0 250 200 021



0 250 200 035



0 250 200 055



0 250 201 032



0 250 201 034



0 250 201 039



0 250 201 041



0 250 202 001



0 250 202 046	GPD-903	GPD-906	GPF-103	GPF-118
				
GPF-119	GPF-121	GPF-128	GPF-133	GPH-402
				





GPH-408	GPH-409	GPI-003	GPI-005	GPI-008
				

GPI-009	GPI-010	GPI-013	GPI-014	GPI-017
				





GPI-021	GPI-024	GPI-026	GPM-501	GPM-502
				
GPM-503	GPM-504	GPM-510	GPM-511	GPM-513
				

GPM-515	GPM-516	GPM-517	GPN-302	GPN-305
				
GPN-306	GPN-308	GPN-309	GPN-310	GPN-311
				





GPN-315	GPN-316	GPN-318	GPN-319	GPN-320
				
GPN-321	GPN-322	GPN-327	GPN-328	GPN-330
				

GPN-331	GPN-332	GPN-336	GPN-338	GPN-339
				
GPN-342	GPT-207	GPT-208	GPT-210	GPT-212
				





GPT-213	GPT-214	GPT-215	GPT-216	GPT-217
				
GPT-218	GPT-220	GPT-221	GPT-222	GPT-223
				

GPT-225	GPT-228	GPT-233	GPT-234	GPT-235
				
GPT-220	GPT-221	GPT-222	GPT-223	GPT-225
				

