

CRANKSHAFT

NO.	Name	Engine Type	Part No./O.E.M	Exact Cast (QT800-3)			Forged	
				General	Nitrided	Hardening	Hardening	
1		4JA1	8-94455-240-1	✓	✓	✓	✓	
2		4JB1	8-94443-662-0/892190927	✓	✓	✓	✓	
3		4JB1T	894453525-2/894445570-0/897331853-0/8-94251-729-0	✓	✓	✓	✓	
4		4JH1/4KH1	8-97254611-1, 8-97940-743-0, 8-97249-041-0	✓	✓	✓	✓	
5		4JG2/4JG1	8-97023-182-1	✓	✓	✓		
6		4JJ1	8-97311-632-1/8-97311-632-1-151	✓	✓	✓		
7		4JK1	8-98131-999-0	✓	✓	✓		
8		4BA1		✓	✓	✓		
9		4BB1(NEW)	MAIN: 80	✓	✓	✓		
10		4BB1(OLD)	5-12310-162-0,MAIN: 76, With gear	✓	✓	✓		
11		4BC2/4BC1	5-12310-161-0	✓	✓	✓	✓	
12		4BD1	5-12310-163-0	✓	✓	✓	✓	
13		4BD1T/4BD2	5-12310-189-1	✓	✓	✓		
14		4BE1	8-94416-373-2	✓	✓	✓		
15		4BG1	8-97112-981-2	✓	✓	✓		
16		4HE1	8-97165-483-0/8-97352-534-2 Rodjournal : 66	✓	✓	✓	✓	
17		4HE1T/4HK1	8-94396-737-3/8-98029-270-0 Rodjournal : 73	✓	✓	✓	✓	
18		4HF1	8-97033-171-2,8-97112-981-3	✓	✓	✓	✓	
19		4HG1	897033-171-2/897112-981-0/897146520-2	✓	✓	✓	✓	
20		4HL1		✓	✓	✓		
21		4ZA1		✓	✓	✓		
22		4ZB1		✓	✓	✓		
23		4ZC1		✓	✓	✓		
24		4ZD1	8-94136-164-0/8-94146-320-2	✓	✓	✓		
25		4ZE1	8-94163-188-0/8-97023-674-0/8-97107-920-1/8-97107-920-3/897358	✓	✓	✓		
26		3LB1		✓	✓	✓		
27		3LD1		✓	✓	✓		
28		4LE1		✓	✓	✓		
29		4LE2	8-97115-177-2	✓	✓	✓		
30	ISUZU	C190	5-12310-188-0	✓	✓	✓		
31		C223	8-94118-828-0,8-94139-669-0	✓	✓	✓		
32		C240	9-12310-413-0/8941396690/8941597680	✓	✓	✓		
33		G161	8-94200-655-0,8-94156-835-0	✓	✓	✓		
34		G200	8-94201-038-0,8-94200-655-0,8-9156-836-0, 8-94156-836-1	✓	✓	✓		
35		C14NZ	OPEL		✓	✓	✓	
36		C22NE	8-90530-454-0, OPEL, ISUZU, GM		✓	✓	✓	✓
37		6HE1	8-94395-025-0		✓	✓	✓	✓
38		6HH1	8-97603-003-0		✓	✓	✓	
39		6HE1T/6HK1	8-94395-125-0/8-97603-004-0/8-94396-737-4		✓	✓	✓	✓
40		6HF1			✓	✓	✓	
41		6BB1(OLD)	MAIN: 76, With gear		✓	✓	✓	
42		6BB1 (NEW)	MAIN: 80,1-12310-445-0/1-12310-436-0		✓	✓	✓	
43		6BD1	1-12310-437-0		✓	✓	✓	✓
44		6BD1T	1-12310-407-0/5-12310-151-0		✓	✓	✓	✓
45		6BF1			✓	✓	✓	✓
46		6BG1	1-12310-448-0		✓	✓	✓	✓
47		6QA1	1-12310-386-1		✓	✓	✓	
48		6RB1	1-12310-503-2, EX400		✓	✓	✓	
49		6SA1	1-12310-569-0		✓	✓	✓	
50		6SD1T	1-12310-671-0		✓	✓	✓	
51		6WG1	1-12310675-1		✓	✓	✓	✓
52		DH100	9-1211-1670-0		✓	✓	✓	
53		DA120			✓	✓	✓	
54		10PB1			✓	✓	✓	
55		10PD1			✓	✓	✓	
56		10PE1			✓	✓	✓	
57	10PC1			✓	✓	✓		
58	12PC1			✓	✓	✓		
59	12PD1			✓	✓	✓		
60	12PE1			✓	✓	✓		
61		OM352	3520303402/3520307802/3520307402	✓	✓	✓	✓	
62		OM355	35503066(7、8) 01/3450305001	✓	✓	✓	✓	
63		OM314	3140303202/3140305502	✓	✓	✓	✓	
64		OM360	3600301601/3600301201	✓	✓	✓		
65		OM364	3640301102/3640300702	✓	✓	✓		
66		OM366	3660301102/3660300702	✓	✓	✓	✓	
67		OM401	4010302301/4010302501	✓	✓	✓	✓	

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68	BENZ	OM402	4020304301/4020303701	✓	✓	✓	✓
69		OM403	4030303001/4230303301/4230303401	✓	✓	✓	✓
70		OM421	4210301701/4210302401/4210302501/10302501	✓	✓	✓	
71		OM423	4230301501/4230303301/4230303401	✓	✓	✓	
72		OM422	4220304301/4220303701	✓	✓	✓	
73		OM651	A6510302501	✓	✓	✓	✓
74		OM441		✓	✓	✓	
75		OM442	4420304301/4420303701	✓	✓	✓	✓
76		OM407/OM427	4070301601/4070302401	✓	✓	✓	
77		OM447/OM457	4470300701/4470300801/4470300901	✓	✓	✓	✓
78	MITSUBISHI	4D30/4D31	ME013667,MD012320,23100-41000,23111-41700	✓	✓	✓	✓
79		4D32	MD187921,ME017152	✓	✓	✓	✓
80		4D33	ME-018297	✓	✓	✓	
81		4D34	ME136680	✓	✓	✓	✓
82		4D34T	23100-45000, ME017354T	✓	✓	✓	✓
83		4D35	MD013680, 4Counterbalance	✓	✓	✓	
84		4D35	MD013680, 8Counterbalance	✓	✓	✓	
85		4D36		✓	✓	✓	
86		4DR5/4DR7		✓	✓	✓	
87		4D55	23111-42001,23111-42000	✓	✓	✓	
88		4D56/4D56T	ME102601/MD376961/23111-42901/23111-42011	✓	✓	✓	✓
89		4D56-T2(NEW)	MD374408/23111-42910	✓	✓	✓	✓
90		4D56U	1100A135,CAT-C12	✓	✓	✓	
91		4D68	MD188571	✓	✓	✓	
92		4G13/4G14/4G15	MD138992/MD327703/23111-21050	✓	✓	✓	
93		4G18	MD332125, MD352125	✓	✓	✓	
94		4G32/4G33/4G34	MD000784	✓	✓	✓	
95		4G41	MD010667	✓	✓	✓	
96		4G54	MD027474/118113	✓	✓	✓	✓
97		4G63	MD187924/346022	✓	✓	✓	✓
98		4G64	MD187921/346026	✓	✓	✓	✓
99		4G93	MD183525	✓	✓	✓	
100		4G94	MD367450	✓	✓	✓	
101		6G72	MD144525, MD357487	✓	✓	✓	✓
102		6G74	MD305941,MN119761	✓	✓	✓	✓
103		4A13	1005023	✓	✓	✓	
104		4A15	1005023A	✓	✓	✓	
105		4A90		✓	✓	✓	
106		4A91	MW250868-9	✓	✓	✓	
107		4A92	1000B741	✓	✓	✓	
108		4M40	ME202013/ME203551/MD620109	✓	✓	✓	
109		S4E		✓	✓	✓	
110		S4F		✓	✓	✓	
111		S4S	32A20-00010	✓	✓	✓	
112		S4Q		✓	✓	✓	
113		S3L	STROKE-1: 78, STROKE-2: 92	✓	✓	✓	
114		S4L		✓	✓	✓	
115		S4KT	4W3989/4W3579,5I7844	✓	✓	✓	✓
116		S6E	34720-30011	✓	✓	✓	
117		S6KT	34320-00010/517671	✓	✓	✓	✓
118		S6S		✓	✓	✓	
119		6D14/6D15	ME032364	✓	✓	✓	✓
120		6D14T/6D15T	ME032800,ME079127	✓	✓	✓	✓
121		6D16/6D16T	ME072197,23100-93072, D6BR	✓	✓	✓	✓
122		6D16T-2	MAIN: 84、ROD: 65	✓	✓	✓	✓
123		6D16T-3	MAIN: 84、ROD: 70	✓	✓	✓	
124		6D17	MAIN: 80、ROD: 65	✓	✓	✓	
125		6D17-2	MAIN: 84、ROD: 65	✓	✓	✓	
126		6D17-3	MAIN: 84、ROD: 70	✓	✓	✓	
127		6D31T	ME082505	✓	✓	✓	✓
128	6D34T	ME300086	✓	✓	✓	✓	
129	6D20/6D22	ME999368, D6CA	✓	✓	✓	✓	
130	6D24-1	MAIN: 100、ROD: 84、STROKE: 150	✓	✓	✓		
131	6D24-2	MAIN: 120、ROD: 90、STROKE: 155	✓	✓	✓		
132	6D40		✓	✓	✓		
133	6DB1/6DB10		✓	✓	✓		
134	8DC20/8DC20A		✓	✓	✓		
135	8DC80/81/82	ME997083/ME999355	✓	✓	✓		
136	8DC90/91/92	ME996186	✓	✓	✓		

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137		8DC11		✓	✓	✓	
138		2F	11702-60013,11702-76009-71	✓	✓	✓	
139		3F	11701-61010、11702-61010	✓	✓	✓	
140		1AR		✓	✓	✓	✓
141		1GR	13401-31011, 13401-31060	✓	✓	✓	✓
142		5R	13411-44900, 13411-49167	✓	✓	✓	
143		12R	13411-31902, 13411-31011	✓	✓	✓	
144		22R/21R	13411-38010	✓	✓	✓	
145		1Z	13411-78300-71	✓	✓	✓	
146		2Z		✓	✓	✓	
147		11Z	13411-78760-71	✓	✓	✓	
148		12Z	13411-78780-71	✓	✓	✓	
149		13Z		✓	✓	✓	
150		14Z		✓	✓	✓	
151		1DZ		✓	✓	✓	
152		1AZ	13401-28030,13401-28040	✓	✓	✓	
153		2AZ	13401-28010	✓	✓	✓	✓
154		1ZZ	13401-22020,13411-7830071	✓	✓	✓	
155		3ZZ	13401-22030	✓	✓	✓	
156		4ZZ	13401-22040	✓	✓	✓	
157		1NZ	13401-21020、13401-0C010	✓	✓	✓	
158		2NZ	13401-21030	✓	✓	✓	
159		1ZR	13401-0T010, 13401-37011	✓	✓	✓	✓
160		2ZR	13401-0T020	✓	✓	✓	✓
161		2H	13401-76011-71,13401-68010	✓	✓	✓	
162		3P/4P	13411-7600171, 13411-96002	✓	✓	✓	
163		B/1B (OLD)	13401-56020, 13401-56021, 6 Hole	✓	✓	✓	
164		1B/2B (NEW)	13401-56030, 8 Hole	✓	✓	✓	
165		3B/11B/13B	13401-58010/13401-58020/13401-58018	✓	✓	✓	
166		14B	13401-58030/58021/58050	✓	✓	✓	
167		15B	13401-58021	✓	✓	✓	
168	TOYOTA	2J	13411-96100	✓	✓	✓	
169		2L	13401-54040、13401-54050 (6孔)	✓	✓	✓	
170		2LT	13401-54070	✓	✓	✓	
171		3L	13401-54020/54060/54080/54100	✓	✓	✓	
172		3L-E		✓	✓	✓	
173		5L	13401-54061	✓	✓	✓	
174		5L-E	13411-54150	✓	✓	✓	
175		1E/2E/4E	13401-11050	✓	✓	✓	
176		3E/5E	13401-11040	✓	✓	✓	
177		1C/2C	13411-64908	✓	✓	✓	
178		1RZ/2RZ	13411-75900	✓	✓	✓	
179		3RZ	13411-75901	✓	✓	✓	
180		1TR		✓	✓	✓	
181		2TR	13401-75020, 13401-0C021	✓	✓	✓	✓
182		1KZ-T/1KZ-TE	13401-30010,13401-67010. 6or8 Hole	✓	✓	✓	✓
183		1Y	13411-72010, 13411-71900	✓	✓	✓	
184		2Y	13411-72900	✓	✓	✓	
185		3Y/4Y	13411-73010,13411-73900	✓	✓	✓	
186		4AF	13411-15900	✓	✓	✓	
187		4AFE	13411-16900	✓	✓	✓	
188		5A	13411-15900	✓	✓	✓	
189		7A/8A	13411-16903	✓	✓	✓	
190		3S	13411-74908	✓	✓	✓	✓
191		3SZVE 1.5L	13411-B1020, 13411-97401	✓	✓	✓	
192		2SZVE 1.3L	13401-33011	✓	✓	✓	
193		5S	13401-74010	✓	✓	✓	✓
194		3K/4K/5K	13411-76006-71	✓	✓	✓	
195		1KD	13401-30030/30040/30050/0L050,STROKE: 103	✓	✓	✓	✓
196		2KD	13401-30020/30060/0L030, STROKE: 95	✓	✓	✓	✓
197		1HZ/1HD-T	13411-17012	✓	✓	✓	
198		1FZ	13401-66021	✓	✓	✓	
199		YD25	12200-AD200,12200-AD210	✓	✓	✓	
200		SD22		✓	✓	✓	
201		SD23		✓	✓	✓	
202		SD25		✓	✓	✓	
203		QD32	12201-EW406, 6/7Hole	✓	✓	✓	
204		QR25DE	12200-AE003	✓	✓	✓	✓
205		ZD30	11200-2W20C, 12200-MA70A	✓	✓	✓	

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				General	Nitrided	Hardening	Hardening	
206	NISSAN	BD30/BD30T	12200-2S606/12200-MA70A/9P910548	✓	✓	✓		
207		GA16	12201-77A00, 12201-0M300	✓	✓	✓		
208		SR20	12200-60J10, 12200-60J00, Bluebird2.0	✓	✓	✓		
209		VG20		✓	✓	✓	✓	
210		VG30	12200-0W000	✓	✓	✓	✓	
211		VG33	12200-0W001	✓	✓	✓	✓	
212		VG35	12200-AC700	✓	✓	✓	✓	
213		VQ23		✓	✓	✓	✓	
214		VQ25		✓	✓	✓	✓	
215		VQ30		✓	✓	✓	✓	
216		TD23/TD25		✓	✓	✓		
217		TD27	12201-67001,12200-65300/F4000	✓		✓		
218		TD42	12200-65780, 12200-06JAO, 12201-06J01	✓	✓	✓		
219		K21	12201-FU400	✓	✓	✓		
220		K25	12201-FU500	✓	✓	✓		
221		HR15/HR16	13021-ED000, 12201-1KA0A	✓	✓	✓	✓	
222		MR20	12201-1VA01	✓	✓	✓	✓	
223		H20	12201-FU400	✓	✓	✓		
224		H20-2	12200-E0700/50K00	✓	✓	✓		
225		H25	12201-60K00	✓	✓	✓		
226		ED33/FD35T	12200-T9000/12200-01T00	✓	✓	✓		
227		FD42		✓	✓	✓		
228		FD46		✓	✓	✓		
229		Z24	12201-30W80,12200-T9000	✓	✓	✓		
230		KA24	12200-F4000,12200-86G00, 12201-T51G1	✓	✓	✓		
231		NA20		✓	✓	✓		
232		FD6/FD6T	12200-Z5564/Z5519	✓	✓	✓		
233		FE6/FE6T	12200-Z5500/Z5568/Z5602/Z5660, c 45/48	✓	✓	✓		
234		ND6		✓	✓	✓		
235		NE6	12200-95005/95008	✓	✓	✓		
236		PD6	12200-96001	✓	✓	✓		
237		PE6	12000-96011	✓	✓	✓		
238		PF6	12200-96505/12200-96502	✓	✓	✓	✓	
239		RD8	12200-97506	✓	✓	✓		
240		RE8	12200-97511/97570/97607	✓	✓	✓	✓	
241		RE10		✓	✓	✓	✓	
242		RF8	12200-97566,12200-97516	✓	✓	✓	✓	
243		RF8-1		✓	✓	✓	✓	
244		RF10		✓	✓	✓	✓	
245		RH10		✓	✓	✓		
246		RG8		✓	✓	✓	✓	
247		RG8-1		✓	✓	✓	✓	
248		SUZUKI	F5A		✓	✓	✓	
249			F6A	12221-73G01	✓	✓	✓	
250			F8A	12221-73001	✓	✓	✓	
251			F8B	12711-M79G10	✓	✓	✓	
252			F10A	12221-75103	✓	✓	✓	
253	K6A			✓	✓	✓		
254	K10B		12221-M71M00	✓	✓	✓		
255	K12B			✓	✓	✓		
256	K14B		12001-18021	✓	✓	✓		
257	G10B		12221-86000	✓	✓	✓		
258	G13B/G13A	12221-52G00, 12221-83E00, 12221-63B00/82600	✓	✓	✓			
259	G16B/G16A	12221-71C00	✓	✓	✓			
260	J20A	12220-65J01	✓	✓	✓			
261	DAIHATSU	S75/S76	13401-87715	✓	✓	✓		
262		S88/S89		✓	✓	✓		
263		DL		✓	✓	✓		
264		DG	13411-87307	✓	✓	✓		
265		J05C/J05E		✓	✓	✓	✓	
266		J08C/J08E	13411-2241, 13411-E0100	✓	✓	✓	✓	
267		W04D	13411-1592, 13411-E0080, 125HT	✓	✓	✓	✓	
268		N04C	13411-E0071, 13411-78080, 8HOLE	✓	✓	✓		
269		W04C		✓	✓	✓		
270		W06E	13400-1690	✓	✓	✓		
271		W06D		✓	✓	✓		
272		EK100	13400-1032,13400-1035,13400-2022	✓	✓	✓		
273		EK100-II	Longer	✓	✓	✓		
274		ED100	13400-1480,13400-1490	✓	✓	✓		

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				General	Nitrided	Hardening	Hardening	
275	HINO	EL100		✓	✓	✓		
276		EP100		✓	✓	✓		
277		EM100		✓	✓	✓		
278		EF550/EF750	13400-1960, 13400-3110, F17D	✓	✓	✓		
279		EF750L	Longer, F17E	✓	✓	✓		
280		EB300		✓	✓	✓		
281		EH700	13411-1291	✓	✓	✓		
282		H06C/H07C	13400-1583	✓	✓	✓	✓	
283		H07D	13411-1583	✓	✓	✓		
284		DS70		✓	✓	✓		
285		K13C	13411-2250, 13400-2641	✓	✓	✓		
286		K13D		✓	✓	✓		
287		P11C	13400-2073	✓	✓	✓	✓	
288		P11C	13400-E0300-H	✓	✓	✓	✓	
289		V22C		✓	✓	✓		
290	PEUGEOT	206		✓	✓	✓		
291		404/405	0501-45/0501-46	✓	✓	✓		
292		504/505	0501-77/0501-78	✓	✓	✓		
293	KUBOTA	1703	16414 - 23013	✓	✓	✓		
294		2203	MAIN: 60/52	✓	✓	✓		
295		2403	1G851-2301-7	✓	✓	✓		
296		V3300	With gear: +120	✓	✓	✓		
297		V3800		✓	✓	✓		
298	YANMAR	3TNV70	119515-21700	✓	✓	✓		
299		3TNV84		✓	✓	✓		
300		3D82		✓	✓	✓		
301		3D84-1	3TR2R14	✓	✓	✓		
302		4D84-1	4TNE84, STROKE: 86	✓	✓	✓		
303		4D84-2	4TNV84, STROKE: 90	✓	✓	✓		
304		4D94E/4D92E	4TNE92,4TNE94,4TNV88, 12990-221000	✓	✓	✓		
305		4D94LE	4TNV94,4TNV98, 129900-21000	✓	✓	✓		
306		4D98E		✓	✓	✓		
307	KOMATSU	4D94	6144-31-1110	✓	✓	✓		
308		4D95S/4D95E		✓	✓	✓		
309		S4D95/4D95L	6202-31-1100,6207-31-1110,6204-31-1201	✓	✓	✓	✓	
310		4D105-1/2/3	6130-32-1111,6131-32-1101	✓	✓	✓		
311		4D105-5	6134-31-1110,6134-31-1010,6136-32-1110	✓	✓	✓		
312		S4D106	4TNV106, 123900-21000	✓	✓	✓		
313		4D130/4D120	6110-33-1112/6115-31-1110	✓	✓	✓		
314		6D95	6206-31-1110	✓	✓	✓	✓	
315		6D102	6735-01-1310	✓	✓	✓	✓	
316		6D105	6136-31-1110	✓	✓	✓	✓	
317		6D107	3968164	✓	✓	✓	✓	
318		6D108	6222-31-1101	✓	✓	✓	✓	
319		6D110	6138-31-1010	✓	✓	✓	✓	
320		6D114	6745-31-1120	✓	✓	✓	✓	
321		6D125	6151-31-1110	✓	✓	✓	✓	
322		6D140	6211-31-1010	✓	✓	✓	✓	
323		6D155	6127-31-1114	✓	✓	✓		
324	6D170	6162-33-1402,6245-31-1100	✓	✓	✓			
325	CUMMINS	ISBE(4Cylinder)	2831067	✓	✓	✓	✓	
326		ISBE(6Cylinder)	2830476	✓	✓	✓	✓	
327		ISDE(4Cylinder)	3974539	✓	✓	✓		
328		ISDE(6Cylinder)	4934862	✓	✓	✓		
329		ISF2.8	FOTON, 5264231, 5282789	✓	✓	✓		
330		ISF3.8	FOTON, 5261376	✓	✓	✓		
331		ISLE/6L	3965010	✓	✓	✓	✓	
332		B3.3		✓	✓	✓		
333		4BT	3907803/3960621/3929036	✓	✓	✓	✓	
334		6BT	3907804/3908032/3929037	✓	✓	✓	✓	
335		6CT	3917320/3918986/3917443	✓	✓	✓	✓	
336		NH220	6623-31-1111	✓	✓	✓	✓	
337		NT855	3029340/3608833/6710-31-1110	✓	✓	✓	✓	
338		N14	3064291	✓	✓	✓		
339		M11	3073707	✓	✓	✓	✓	
340		KTA19	3418898	✓	✓	✓	✓	
341		CATERPILLAR	320D	C6.4	✓	✓	✓	
342			3066	320C,517671,125-3005	✓	✓	✓	✓
343			3304	4N7692	✓	✓	✓	✓

NO.	Name	Engine Type	Part No./O.E.M	Exact Cast (QT800-3)			Forged	
				General	Nitrided	Hardening	Hardening	
344		3306	4N7693/4N7696/4N7699	✓	✓	✓	✓	
345		3406	6I1453	✓	✓	✓		
346	DEUTZ	226B-4CY	12272498R、13032128L	✓	✓	✓		
347		226B-6CY		✓	✓	✓		
348		BF6M1013	04256818, 52D	✓	✓	✓	✓	
349		F2L912	0415 2591	✓	✓	✓		
350		F1L511		✓	✓	✓		
351		F2L511		✓	✓	✓		
352		F3L912	0213-6928	✓	✓	✓		
353		F3L913		✓	✓	✓		
354		F4L912	0213-8819	✓	✓	✓		
355		F4L913	0293-1050	✓	✓	✓		
356		BF4L914	MAIN: 75, BIG: 66, STROKE: 132	✓	✓	✓		
357		F5L912		✓	✓	✓		
358		F6L912	0415 1001,0293 1055	✓	✓	✓	✓	
359		F6L913	MAIN: 70, BIG: 60, STROKE: 125	✓	✓	✓		
360		BF6L913	MAIN: 70, BIG: 60, STROKE: 125	✓	✓	✓		
		BF6L914	MAIN: 75, BIG: 66, STROKE: 132	✓	✓	✓		
361		F6L413	0418 3049	✓	✓	✓	✓	
362		F8L413	0214-4316/0418-47220	✓	✓	✓	✓	
363		F2L1010/1011		✓	✓	✓		
364		F3L1010/1011		✓	✓	✓		
365		F4L1010/1011	0427 0236	✓	✓	✓		
366		BF3M1011F		✓	✓	✓		
367		BF4M1011F	0427 0233	✓	✓	✓		
368		MAZDA/KIA	TF	TF20-11-300A	✓	✓	✓	
369	TM			✓	✓	✓		
370	WE			✓	✓	✓		
371	WL-T		WL01-11-330, WL02-11-300, W901-11-300B	✓	✓	✓		
372	KIA2400			✓	✓	✓		
373	J2/JS		OK65A11301J	✓	✓	✓		
374	JT		OK75A11301	✓	✓	✓		
375	SL		K410-11-301A,0V101-11-300,SL50-11-301A/B,CL50-11-301, K3500	✓	✓	✓		
376	SH		KIA3600, OK47A-11301A	✓	✓	✓		
377	NA		0305-17221-8/0305-11-301E	✓	✓	✓		
378	VA		0552-17221	✓	✓	✓		
379	HA			✓	✓	✓		
380	F2/FS		F201-11-301B	✓	✓	✓		
381	FE/F8		F801-11-301D	✓	✓	✓		
382	R2		R2Y1-11-300/OR241-11-301/R263-10-300	✓	✓	✓		
383	RF		OR241-11-301	✓	✓	✓		
384	SH01		L319-11-300B, CX-7, SKYACTIV/CX-5	✓	✓	✓		
385	R2AA/RF5C/RF7J		R2AA11300A, MAZDA 6, STROKE: 86	✓	✓	✓		
386	R2AA-NEW		STROKE: 94	✓	✓	✓		
387	PRIDE		B3	✓	✓	✓		
388	1.3L		23111-22602,23111-22023	✓	✓	✓		
389	DAEWOO		D2366/DE12	65.02101.7025	✓	✓	✓	✓
390			D2866	51021017390, 51021016081	✓	✓	✓	✓
391			DB58T	65.02101-0045A	✓	✓	✓	✓
392		D1146/DE08	65.02101.7024	✓	✓	✓	✓	
393		LANOS	96350171, 96144045	✓	✓	✓		
394		F8C, MATIZ-0.8L	96352178, 96666304	✓	✓	✓		
395		2.0L	90500608	✓	✓	✓		
396		1.8L	90500609	✓	✓	✓		
397		CORSA	90467348	✓	✓	✓		
398		AVEO	96385403	✓	✓	✓		
399		1.0L	23111-02723 G4HE, G4HA	✓	✓	✓		
400		1.1L	23110-02812	✓	✓	✓		
401	1.1L	23110-02860	✓	✓	✓			
402	I10	23110-03221, G4LA	✓	✓	✓			
403	G4CS	23110-32600	✓	✓	✓			
404	ACCENT-2.0T	23111-22602,23111-22023, G4EC, G4ED	✓	✓	✓			
405	ACCENT-1.4L	23111-26400	✓	✓	✓			
406	ACCENT-1.6L	23111-26100, G4ED	✓	✓	✓			
407	2.0L	23110-32000	✓	✓	✓	✓		
408	ELANTRA-1.6L	23110-23520	✓	✓	✓			
409	ELANTRA-1.8L	23110-23510	✓	✓	✓			
410	SONATA-2.0L	23110-23710, G4GC	✓	✓	✓			
411	2.0L	23111-25010	✓	✓	✓			

NO.	Name	Engine Type	Part No./O.E.M	Exact Cast (QT800-3)			Forged
				General	Nitrided	Hardening	Hardening
412	HYUNDAI	2.4L	23111-25210	✓	✓	✓	
413		IX35 2.0L	23110-2G010	✓	✓	✓	
414		SONATA-2.4L	23110-2G200, G4KC, G4KE, G4JS, G4EK	✓	✓	✓	
415		2.0L	23110-2G400	✓	✓	✓	
416		GAMMA1.4L	23110-2B600/2B610	✓	✓	✓	
417		GAMMA1.6L	23110-2B000/2B100/2B300/2B050,G4FC	✓	✓	✓	
418		G4NC/G4NA/G4NE	23110-2E500/2E501/2E510, 6D056-2EU00	✓	✓	✓	
419		1.8L	23110-2E400	✓	✓	✓	
420		4G64-2.0L	23110-38230	✓	✓	✓	✓
421		D4BA/B/H	23111-42010/42020/42910/42003D	✓	✓	✓	✓
422		D4CB	SANTA FE, 23111-4A701, 23111-4A000, 23111-4A010	✓	✓	✓	✓
423		D4EA/D4EB	23110-27420,23110-27000	✓	✓	✓	
424		D4FA/D4FB	23110-2A650	✓	✓	✓	
425		J3	23110-4X000	✓	✓	✓	
426		IVECO(FIAT)	8140-23, 2.5L	50034443/71723218, MIAN: ∅ 80.2、STROKE: 100、LIP: ∅ 114-32	✓	✓	✓
427	2.5D		98415959, MIAN: ∅ 76.2、STROKE: 92、LIP: ∅ 90	✓	✓	✓	
428	2.5L		98418613/98454453, MIAN: ∅ 76.2、STROKE: 92、LIP: ∅ 100	✓	✓	✓	
429	2.5L, 2.8L		500314779/99436105, MIAN: ∅ 80.2、STROKE: 92、LIP: ∅ 114-35	✓	✓	✓	
430	8140-27, 2.8L		500314784, MIAN: ∅ 80.2、STROKE: 100、LIP: ∅ 114-32	✓	✓	✓	
431	8140-27, 2.8L		504045842, MIAN: ∅ 80.2、STROKE: 92、LIP: ∅ 114-35	✓	✓	✓	
432	UTB445		98461246,FIAT450	✓	✓	✓	
433	FIAT640			✓	✓	✓	
434	KAMAS	740	✓	✓	✓		
435	CLAAS	238	✓	✓	✓		
436	HOWO/STEYR	WP10	612600020373	✓	✓	✓	
437		WP12	612630020038	✓	✓	✓	
438		WD615	61500020071, 61560020029	✓	✓	✓	✓
439		WD618	61800020022	✓	✓	✓	✓
440	MAN	MAN05		✓	✓	✓	✓
441		MAN07	M0836	✓	✓	✓	✓
442		MAN09		✓	✓	✓	✓
443		MAN11		✓	✓	✓	✓
444		MAN13		✓	✓	✓	✓
445	IKARUS/MAN	D2156/D750	51.02101.7123	✓	✓	✓	
446	JELCZ	SW680		✓	✓	✓	
447	BEDFORD	J6-330		✓	✓	✓	
448	LADA	2103		✓	✓	✓	
449	LADA	2105		✓	✓	✓	
450	IFA	W50		✓	✓	✓	
451	VOLVO	D4D		✓	✓	✓	✓
452		D7D	52D		✓	✓	✓
453		TD100A/101	8194490/1545657		✓	✓	✓
454		TD102/103	8194457/8126780/8194456		✓	✓	✓
455		TD120/121F	470681		✓	✓	✓
456		TD122/123	478676		✓	✓	✓
457	SCANIA	DS11	342060, 1308467	✓	✓	✓	
458	VW		043-105-101	✓	✓	✓	
459			026-105-101E/F/K	✓	✓	✓	
460			06A-105-021A/G/L	✓	✓	✓	
461			038-105-021E	✓	✓	✓	
462			L06A-105-021A	✓	✓	✓	
463			078-105-019N	✓	✓	✓	
464			078-105-101A/B	✓	✓	✓	
465			115010010	✓	✓	✓	
466			SHANGHAI-1.4L	9025122	✓	✓	✓
467		CHEV-CORSA 1.2	94700102?	✓	✓	✓	
468		CHEV-CORSA 1.4	94700102	✓	✓	✓	
469		CHEV-CORSA 1.6	90467348	✓	✓	✓	
470		CHEV-AVEO	96385403, F16D	✓	✓	✓	
471		CHEV-SPARK	96325203	✓	✓	✓	

NO.	Name	Engine Type	Part No./O.E.M	Exact Cast (QT800-3)			Forged		
				General	Nitrided	Hardening	Hardening		
472	GM/CHEVROLET	CHEV-OPTRA	90500608, F18D	✓	✓	✓			
473			94658971	✓	✓	✓			
474			96336263	✓	✓	✓			
475			93380519	✓	✓	✓			
476			BICK1.6L	96385404	✓	✓	✓		
477			BICK1.8L	96385404A, 96666304	✓	✓	✓		
478			BICK 1.6L	96357348	✓	✓	✓		
479			B12	9002796	✓	✓	✓		
480			B11	9002797	✓	✓	✓		
481			B10	24515572	✓	✓	✓		
482			B15	24536636, 24536638	✓	✓	✓		
483			2.0L	90530741	✓	✓	✓		
484			1.6L	55550953, 55569767	✓	✓	✓		
485			1.8L	55562987	✓	✓	✓		
486			350	CHEVROLET, 6.5L, V8	✓	✓	✓		
487		OPEL	Rekord	C14NZ	✓	✓	✓		
488				3.2L		✓	✓	✓	
489				3.2L	v6	✓	✓	✓	
490	PERKINS	403		✓	✓	✓			
491			404		✓	✓	✓		
492			1103		✓	✓	✓		
493			1104	ZZ90222/4225085M91, ZZ90237, ZZ90241	✓	✓	✓		
494			MF240	36883119,43300-SEL-T01	✓	✓	✓		
495			UTB445	98461246,FIAT450	✓	✓	✓		
496			3.152	94458/31312701	✓	✓	✓		
497			4.203		✓	✓	✓		
498			4.204		✓	✓	✓		
499			4.236	ZZ90143	✓	✓	✓		
500			4.238	ZZ90238	✓	✓	✓		
501			4.248	ZZ90143	✓	✓	✓		
502			4.285/4.265		✓	✓	✓		
503			A4.236/A4.248	ZZ90093/31315993/31315993	✓	✓	✓		
504			6.354	ZZ90113	✓	✓	✓		