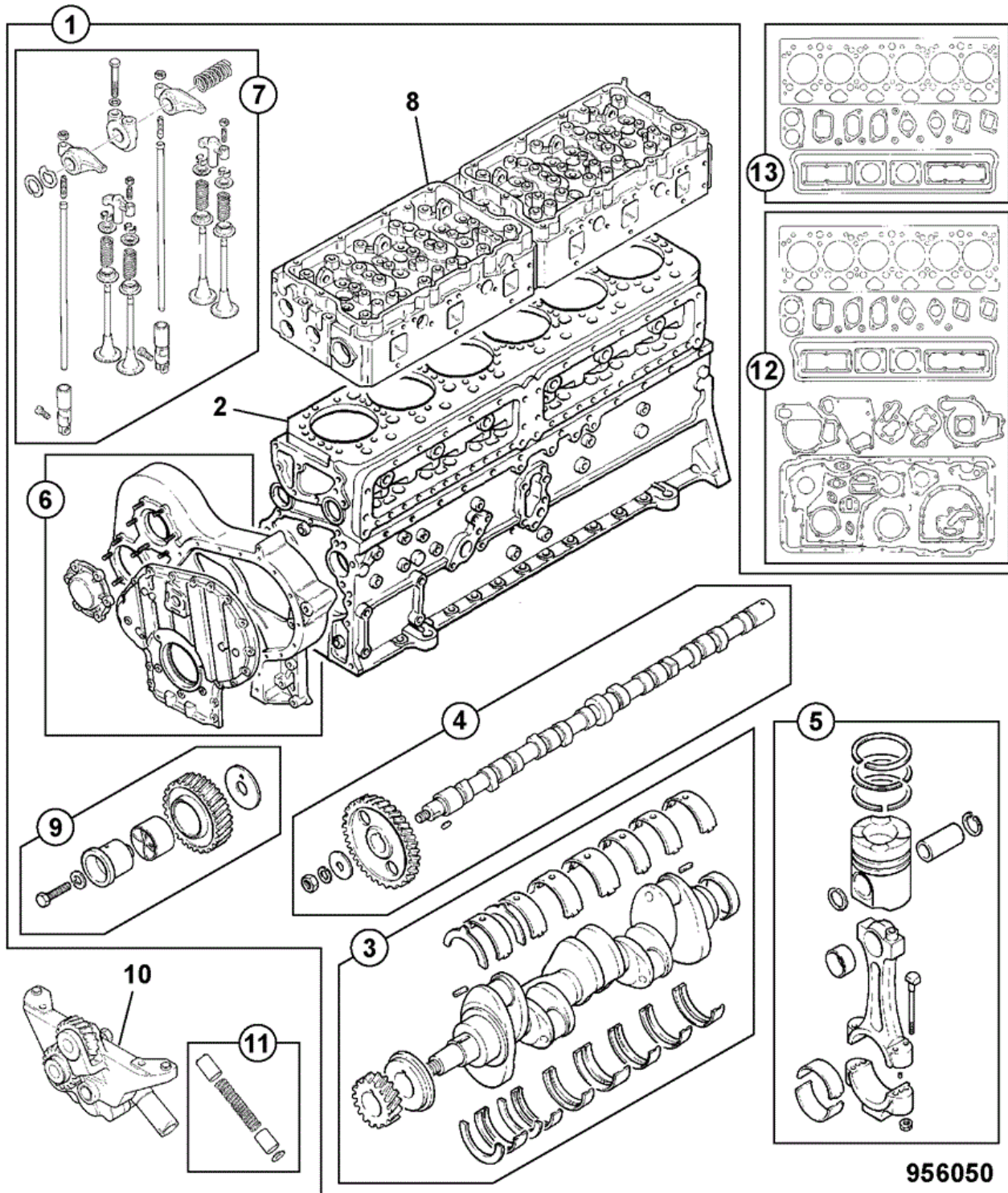




9802/5970 K1-2-1 ENGINE LONG

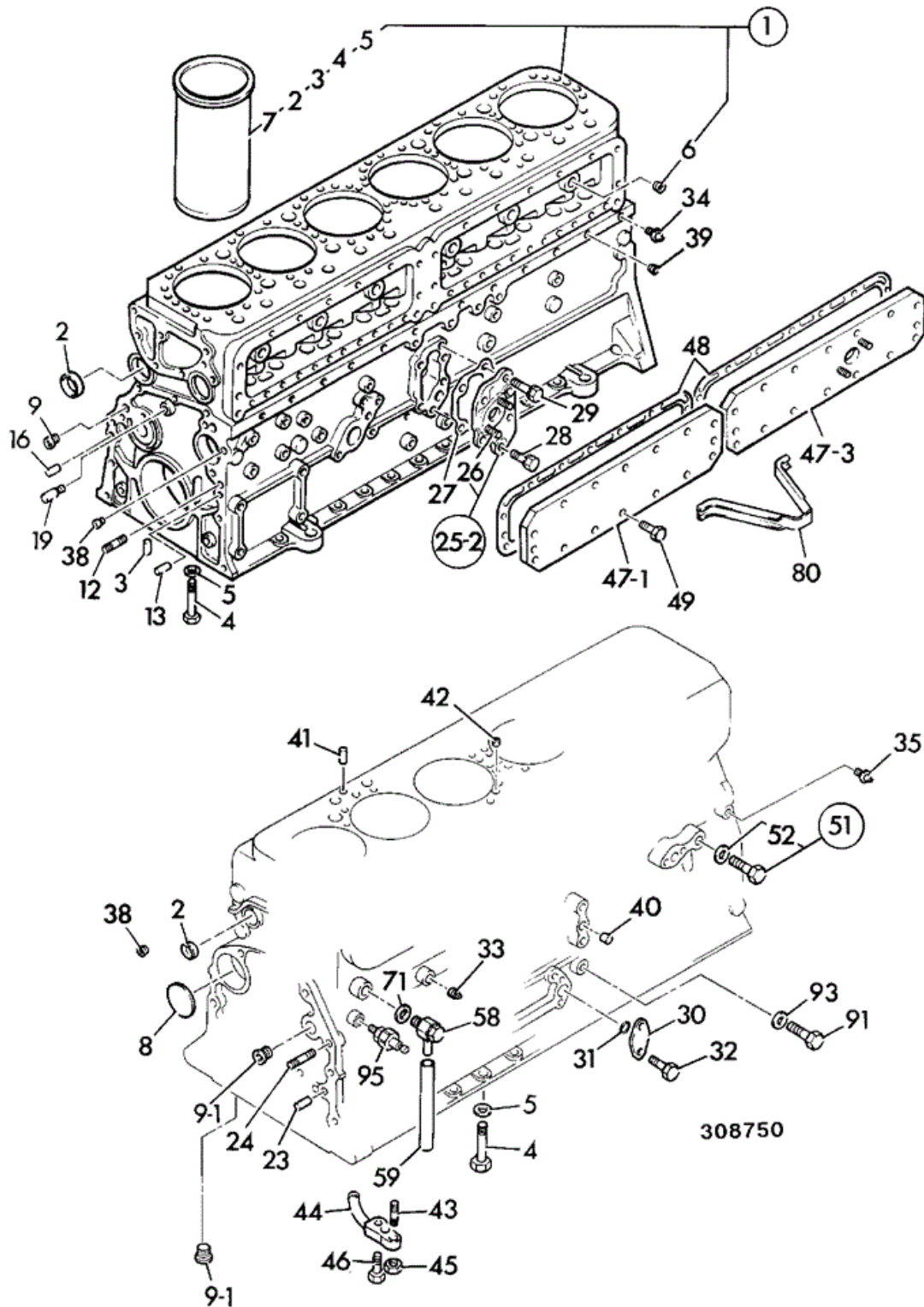


Item	Part #	Change No	Description	Usage Code	QTY
1	02/803146		Engine long		1
2.	****		'See Remark' <i>See frame K1-3-1 Block Assy</i>		1

3	****		'See Remark' <i>See frame K1-4-1 Crankshaft with gear</i>		1
4	****		'See Remark' <i>See frame K1-6-2 Camshaft with gear</i>		1
5	****		'See Remark' <i>See frame K1-4-1 Piston and con rod</i>		6
6	****		'See Remark' <i>See frame K1-6-1 Gear case and cover</i>		1
7	****		'See Remark' <i>See frame K2-2-1 Rocker arm, shaft, brkt, push rod and tappets QTY:1 set</i>		0
8	****		'See Remark' <i>See frame K2-1-1 Cyl head assy</i>		1
9	****		'See Remark' <i>See frame K1-6-2 Idle gear</i>		1
10	****		'See Remark' <i>See frame K5-2-1 Oil pump</i>		1
11	****		'See Remark' <i>See frame K5-2-1 Oil relief valve</i>		1
12	****		'See Remark' <i>See frame K8-1-1 Gasket set overhaul</i>		1
12	****		'See Remark' <i>See frame k8-2-1 Gasket set overhaul top</i>		1



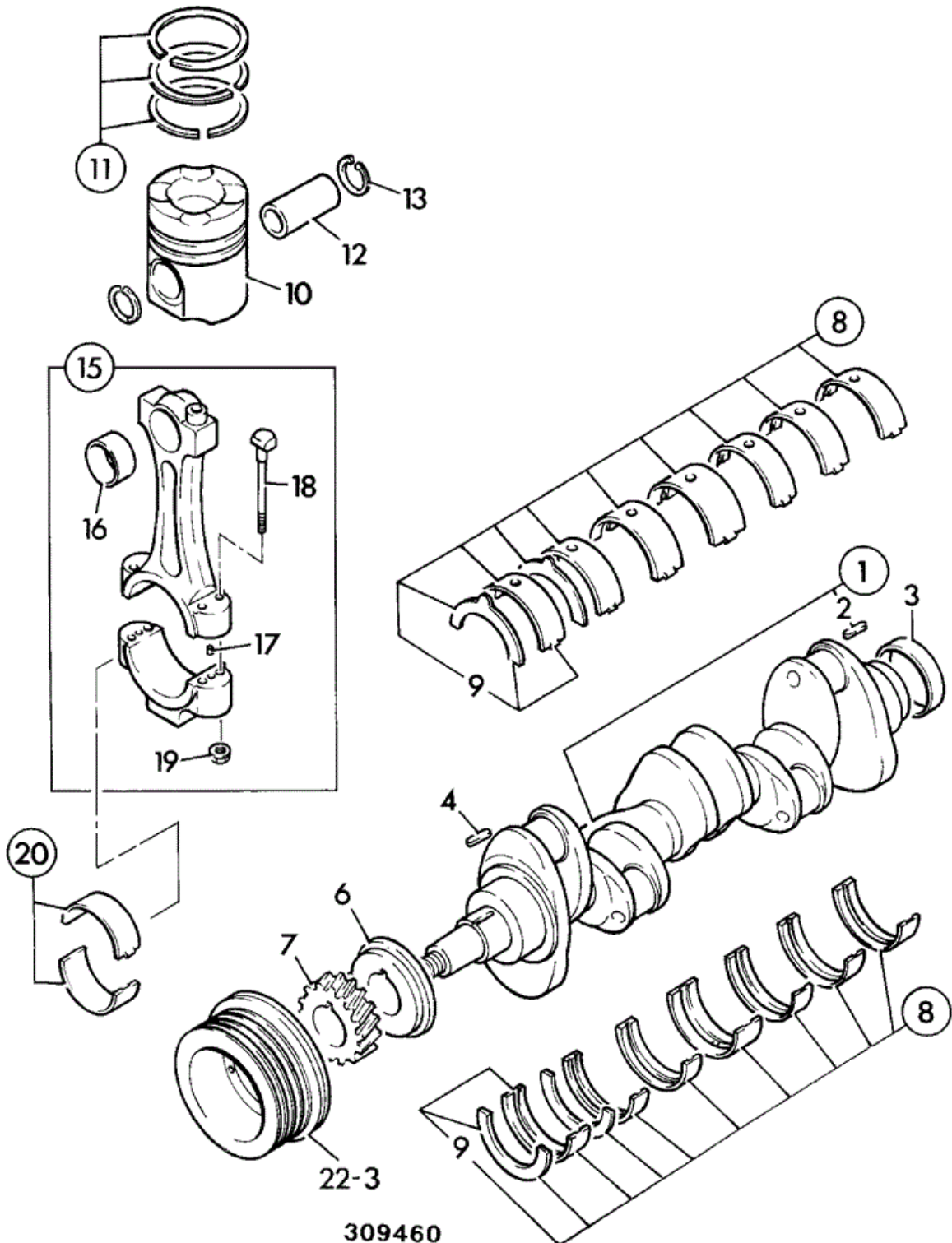
9802/5970 K1-3-1 BLOCK ASSEMBLY



Item	Part #	Change No	Description	Usage Code	QTY
1	1112104210		Block assembly cylinder		1
2	:1096000051	Superseded	Plug D=45		4
2	:1096000580		Plug water jacket D=45		4
3	:9081508160		Pin		14
4	:9098042170		Bolt		4
4	:9098042180		Bolt		10
5	:9098519150		Washer plain		14
6	:9098640501		Plug taper		6
7	02/800725		Liner cylinder, grade 1 140/097/140.984		0
7	02/800726		Liner cylinder, grade 2 140.985/141.000		0
8	9092013710		Plug		1
9	1096090141		Plug		1
9	1096090141		Plug		1
9-1	1096050250		Plug		2
12	9098311610		Stud		3
13	9081512220		Pin timing		2
14	9081508160		Pin		2
15	9081508160		Pin		2
16	1112290130		Dowel		1
19	9133420020		Jet timing gear cooling		1
23	9081514280		Pin		2
24	9044114420		Stud		1
25-2	1112191210		Cover		1
26	:9041108300		Stud		2
27	1131140110		Gasket		1
28	0500510350		Bolt		3
29	0500510400		Bolt		2
30	9112192140		Cover		1
31	1096234500		O Ring id=27.7		1
32	0500408200		Bolt		2
33	1096050190		Plug PT 1/4		4
34	1096600341		Connector oil gallery		1
35	1096603591		Nipple oil feed		1
35	1096601041		Nipple turbo oil		1
37	****		'See Remark' <i>See frame K5-3-1</i>		6
38	1096050560		Plug		2
39	1096050500		Plug		13
40	9081508160		Pin		2
41	9081508160		Pin		2
42	9112290112		Dowel		4
43	9041108200		Stud		6
44	1133421111		Jet piston cooling		3
44	1133421121		Jet piston cooling		3
45	9091104080		Nut		6
46	0208008200		Bolt		6
47-1	1112910340		Cover tappet		1
47-3	1112910632		Cover tappet, w/bolt		1
48	1112920310		Gasket tappet cover		1
49	0500408220		Bolt L=22		29

49	0500408250		Bolt		3
51	9131600602		Valve oil relief assembly		1
52	:1096230590		O Ring		1
58	1096800260		Tap water drain		1
59	1093660200	Superseded	Tube water drain		1
59	02/800619		Pipe oil drain		1
71	9095714180		Washer seal		1
80	1117691190		Bracket support dipstick tube		1
91	1096040670		Plug connector		1
93	1096300860		Washer seal		1
95	701/54500		Switch oil pressure		1

9802/5970 K1-4-1 CRANKSHAFT, BEARINGS PISTONS & CON-RODS

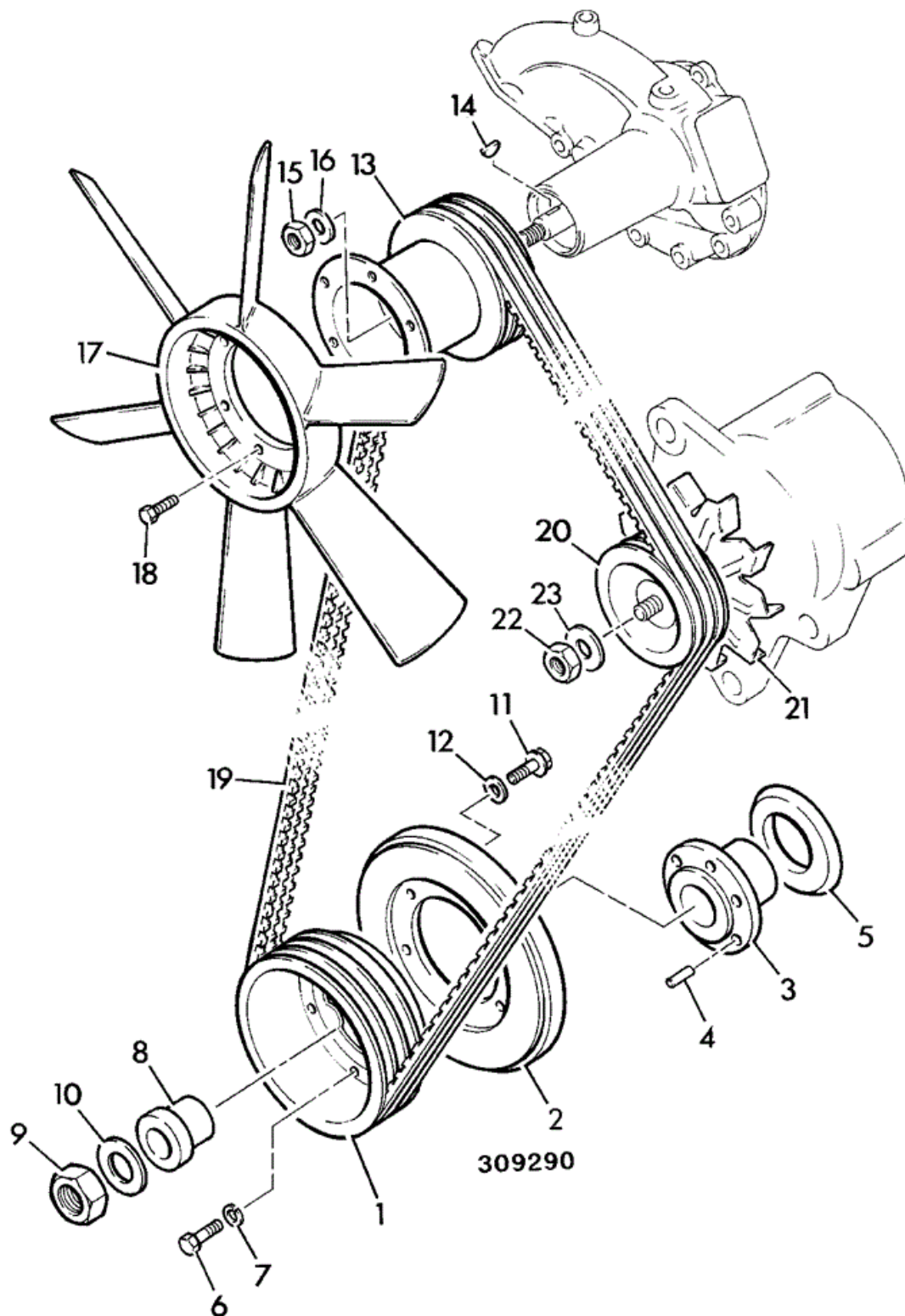


Item	Part #	Change No	Description	Usage Code	QTY
1	02/800734		Crankshaft assembly		1
2	:9081512200		Pin		1
3	1123190100		Ring wear		1
4	9098670120		Key		1
6	9123610242		Collar thrust		1
7	9125210452		Gear crankshaft		1
8	1115100601		Kit-main bearing standard		1
9	:1115150400		Kit-thrust washer standard		2
10	02/800736		Piston assembly		6
11	02/800737		Kit-piston ring		6
12	1122110181		Pin gudgeon		6
13	1095870750		Ring snap		12
15	02/800738	Superseded	Rod connecting assembly		6
15	N.L.A		No longer available <i>Refer to 15A & 15B</i> <i>See Note 1</i>		1
15A	02/800835		Rod connecting assembly, CODE 'E'		0
15B	02/800834		Rod connecting assembly, CODE 'F'		0
16	:1122510250		Bush small end		1
17	:02/800739		Pin con-rod		2
18	:02/800742		Bolt con-rod		4
19	:9098403160		Nut cap		4
20	1122710480		Kit-big end standard		6

Note 1: Original Con-rod on engine will be stamped E or F, Check to ensure correct one is selected



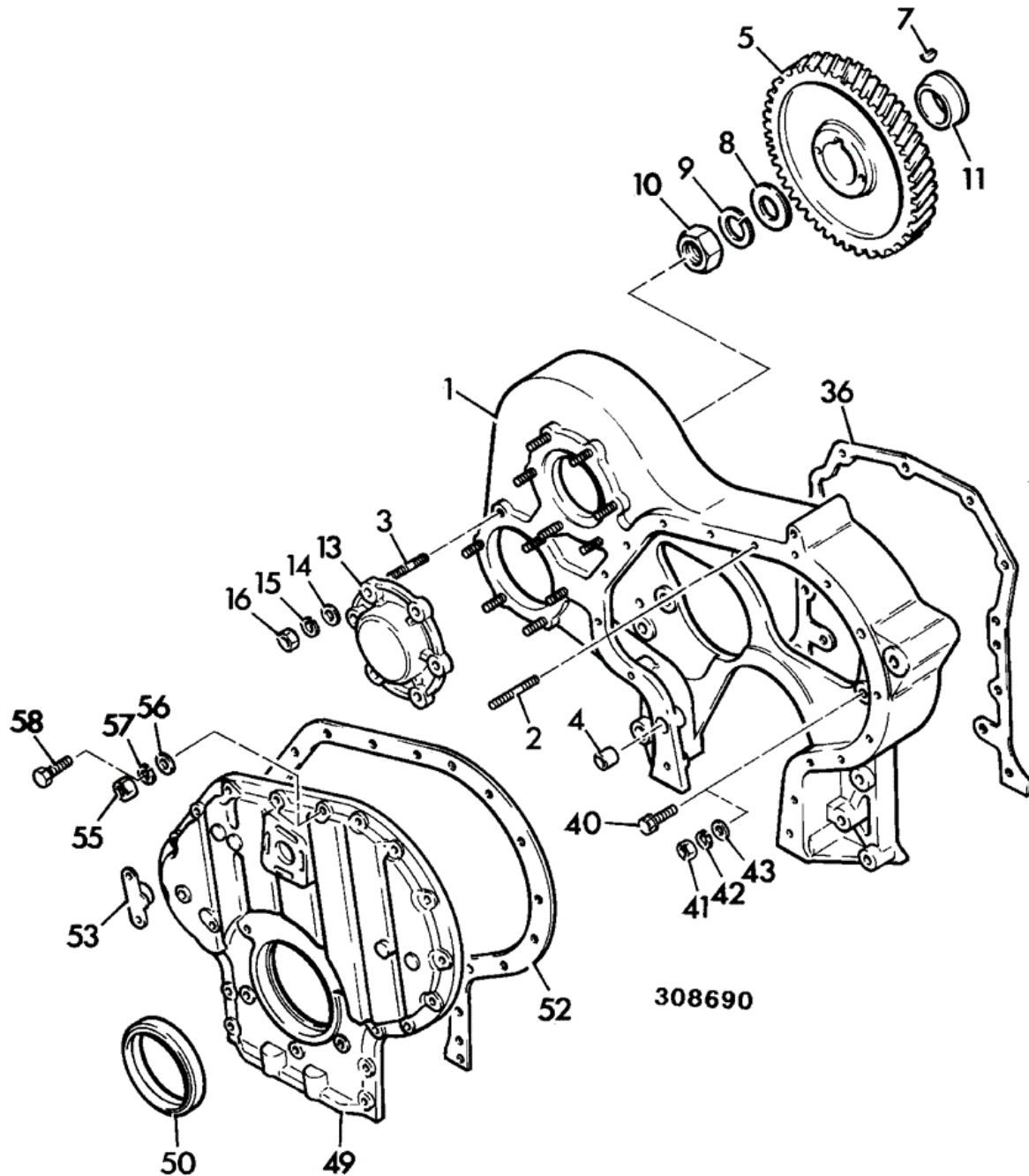
9802/5970 K1-5-1 FANS, PULLEYS & FAN BELT



Item	Part #	Change No	Description	Usage Code	QTY
1	1123713730		Pulley crankshaft		1
2	1123751890		Damper crankshaft		1
3	1123713130		Hub pulley crankshaft		1
4	9081504080		Pin set		1
5	1123790200		Shield dust		1
6	9920612300		Bolt		6
7	1095031110		Washer spring		6
8	9123790610		Bush taper		1
9	9123780390		Nut		1
10	9098514310		Washer		1
11	9023610220		Bolt		6
12	1095030331	Superseded	Washer plain		6
12	1095032220		Washer plain		6
13	1136411500		Pulley water pump		1
14	9080507220	Superseded	Key		1
14	02/801569		Key Key		1
15	9098403070		Nut		1
16	1095030160		Washer plain		1
17	02/800535		Fan cooling		1
18	0501408180		Bolt		6
19	02/800776		Belt fan x 3		1
20	****		T.B.A <i>ALTERNATOR PULLEY</i>		1
21	****		T.B.A <i>WOODRUFF KEY</i>		1
22	****		T.B.A <i>NUT</i>		1
23	****		T.B.A <i>WASHER</i>		1



9802/5970 K1-6-1 TIMING CASE

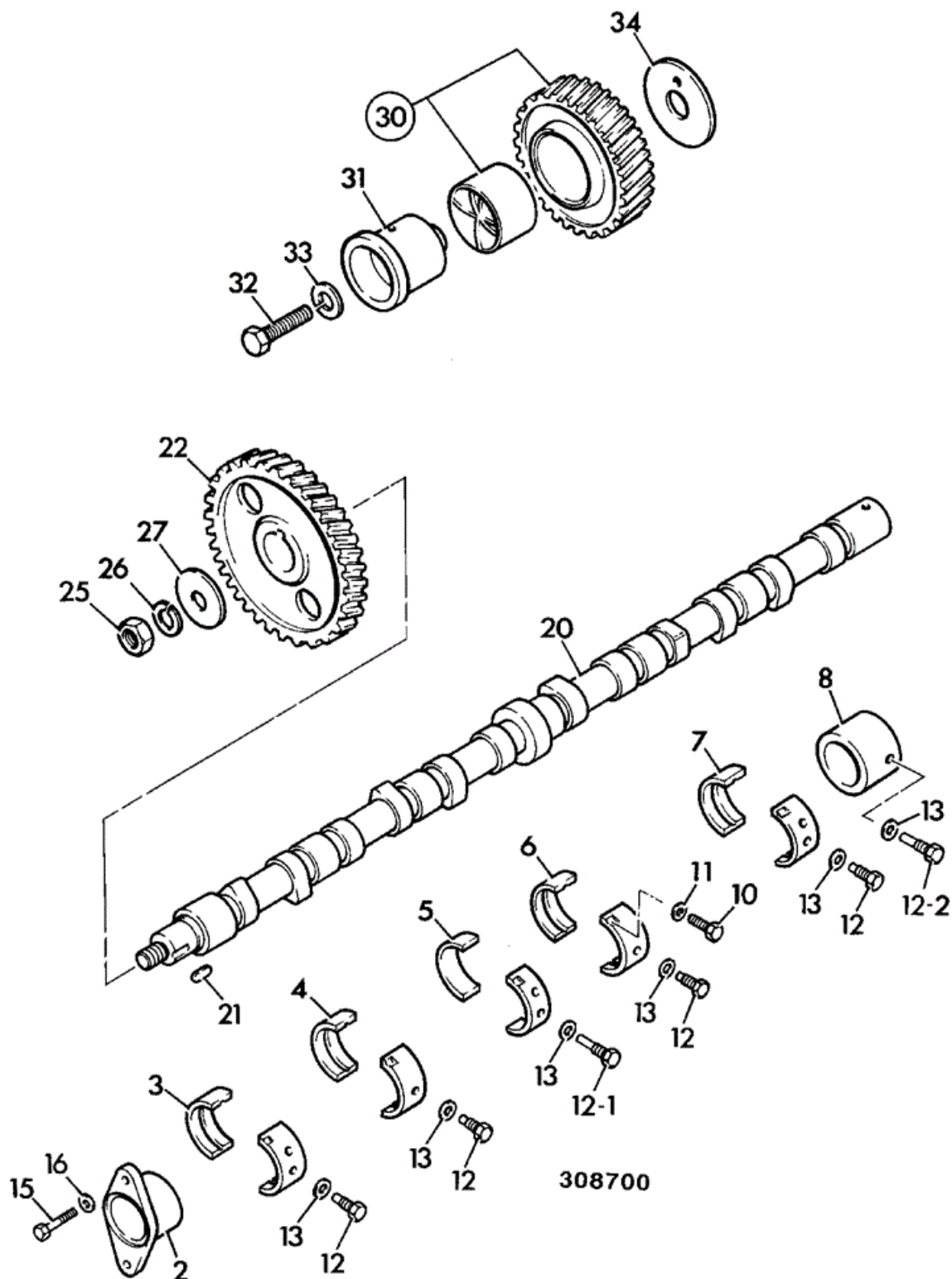


Item	Part #	Change No	Description	Usage Code	QTY
1	1113110340		Casing timing		1
2	1093020480		Stud		4
3	1093000500		Stud		12
4	9113190651		Dowel		2
5	1125240131		Gear injection pump drive		1

7	9080555190		Key		1
8	9091605240		Washer plain		1
9	9091505240		Washer spring		1
10	9991115240		Nut		1
11	1113290080		Adapter		1
13	1113250190		Cover inspection		2
14	9091605080		Washer plain		12
15	9091505080		Washer spring		12
16	9091104080		Nut		12
36	1113120160		Gasket t/case to cyl/blk		1
40	0500512300		Bolt		6
40	0168062650		Bolt		3
40	9023610280		Bolt		1
40	0108058350		Bolt		1
41	9991104120	Superseded	Nut		3
41	172R012VZ		Bolt		3
42	9091505120		Washer spring		6
43	9098519500		Washer plain		1
43	1095031830		Washer plain		1
49	1113210234		Cover timing		1
50	1096254420		Seal oil		1
52	1113220510		Gasket timing cover		1
53	1113270180		Pointer timing		1
55	9091104100		Nut		4
56	9091605100		Washer plain		4
57	9091505100		Washer spring		4
58	0501510350		Bolt		8
58	0501510450		Bolt		1
58	0501510250		Bolt		3
58	0238010350		Bolt		2



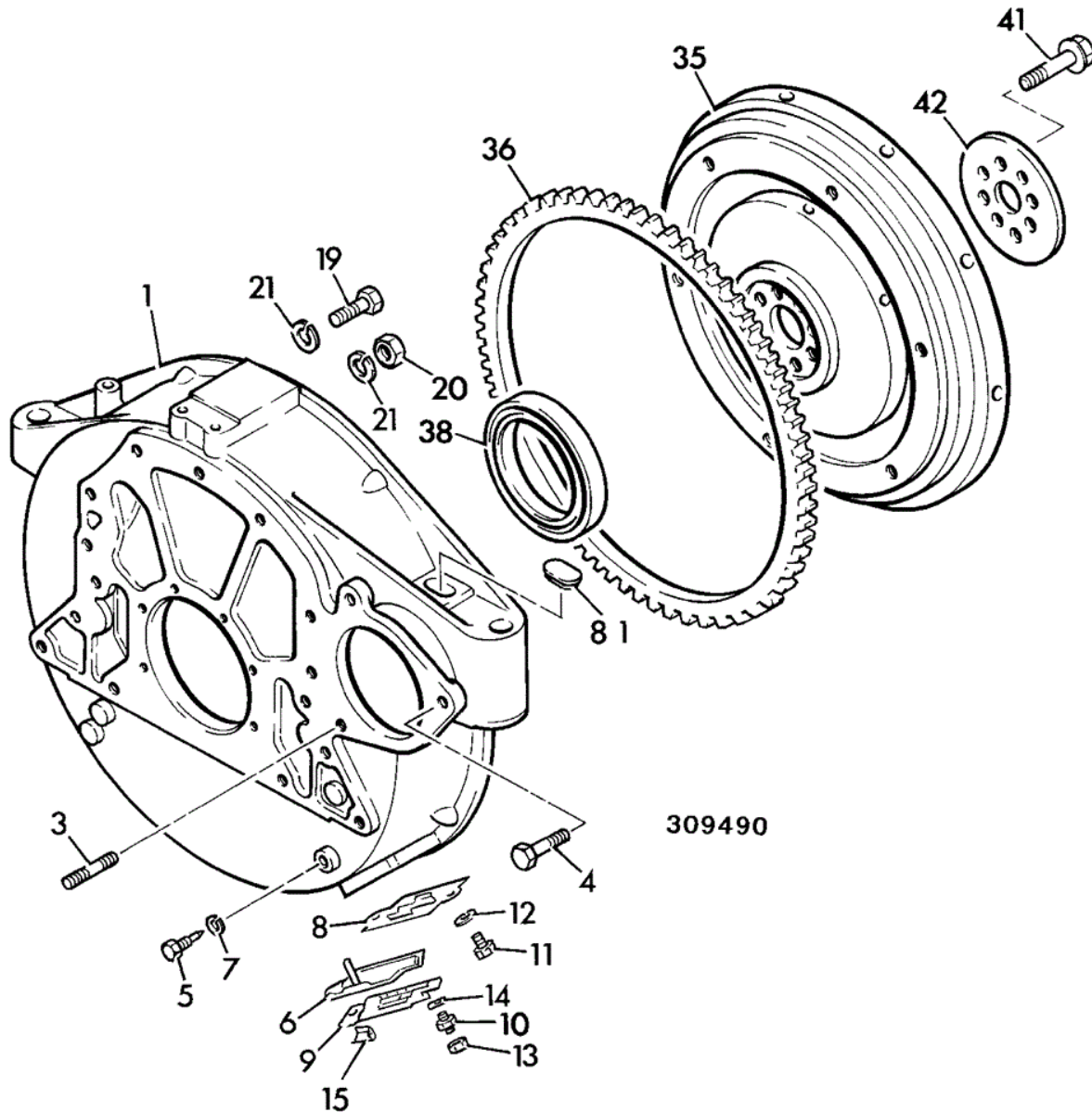
9802/5970 K1-6-2 CAMSHAFT & GEARS



Item	Part #	Change No	Description	Usage Code	QTY
2	1116110080		Bearing camshaft No.1 Std		1
3	1116160230		Kit-bearing camshaft No.2 Std		1
4	1116170150		Kit-bearing camshaft No.3 Std		1
5	1116180160		Kit-bearing camshaft No.4 Std		1
6	1116190520		Kit-bearing camshaft No.5 Std		1
7	1116190550		Kit-bearing camshaft No.6 Std		1
8	1116190580		Bearing camshaft No.7 Std		1
10	9039104140		Screw set		10
12	9098160071		Screw set		4
12-1	1091220160		Screw set		1
12-2	1091220190		Screw set		1
13	1096300830		Washer seal		6
15	0501510250		Bolt		2
20	1125111781		Camshaft		1
21	9080307180		Key		1
22	1125220151		Gear camshaft		1
25	9991115200		Nut		1
26	9091505200		Washer spring		1
27	9098514870		Washer plain		1
30	1125230940		Gear idler		1
31	1125310232		Hub idler gear		1
32	1090200660		Bolt		1
33	1095030221		Washer plain		1
34	1125350050		Plate thrust		1



9802/5970 K1-7-1 FLYWHEEL HOUSING



Item	Part #	Change No	Description	Usage Code	QTY
1-4	1113412853		Housing flywheel		1
3	9044114350		Stud M14 x 35 L=56		2
4	0108064550		Bolt		1
6	1113270252		Pointer timing		1
8	02/801696		Cover timing check		1
9	1113491310		Cover pointer		1
10	1093000581		Stud		2
11	02/801697		Bolt		2
13	9091104080		Nut		2

14	9091606080		Washer		1
15	1113491270		Washer special		1
19	1090330020		Bolt		10
19	1090330030		Bolt		2
19	0168064700		Bolt		2
19	0501408400		Bolt		6
20	9991104140		Nut		1
21	9091505140		Washer spring		1
24	701/57400		Sensor engine speed		1
35	1123311412		Flywheel assembly		1
36	1123330130		Gear starter ring		1
38	1096254410		Seal oil		1
41	1090700171		Bolt		8
42	9123360251		Washer		1
81	1113490190		Cover starter		1

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