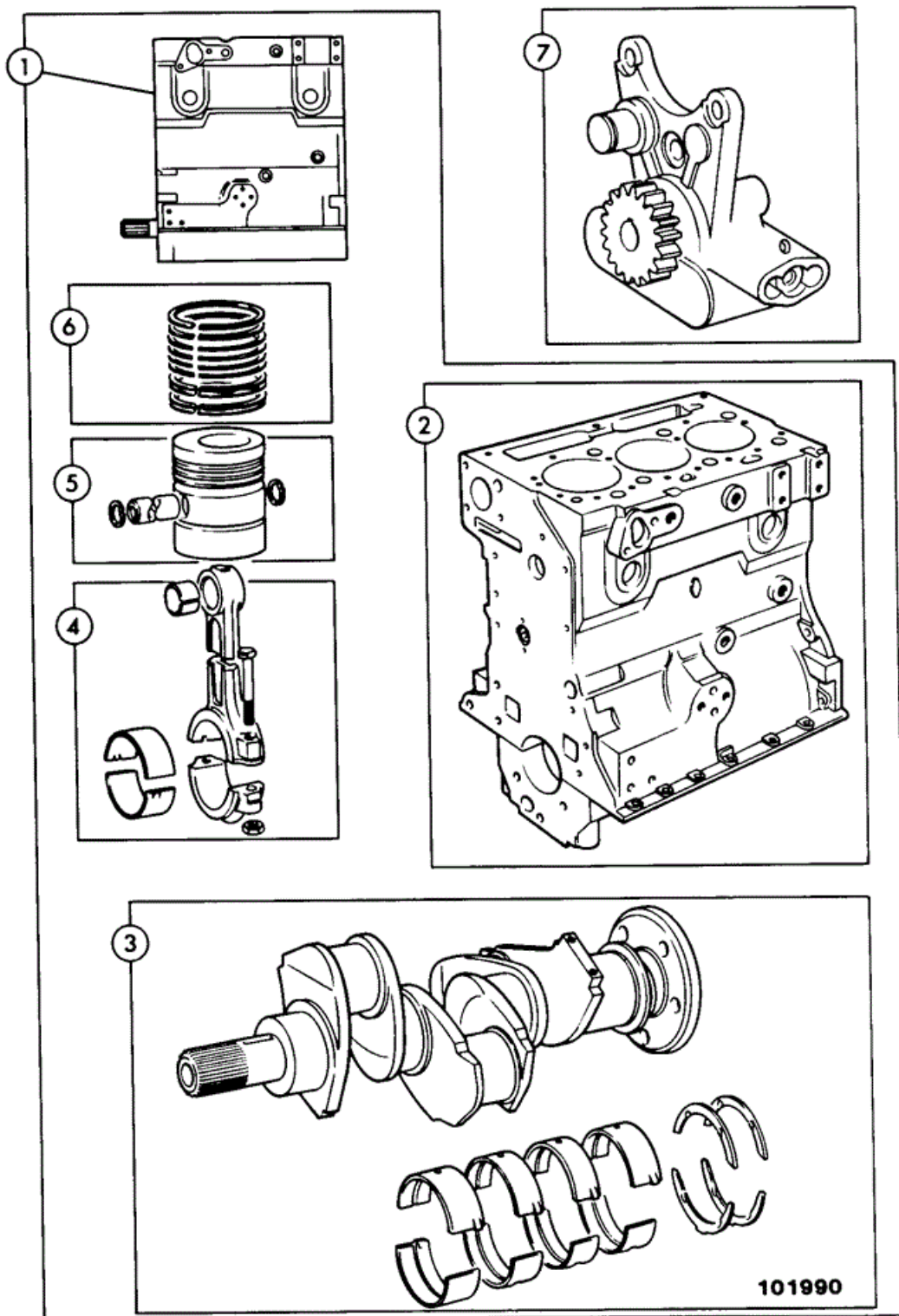




9802/8800 L1-2-1 ENGINE, SHORT CE BUILD



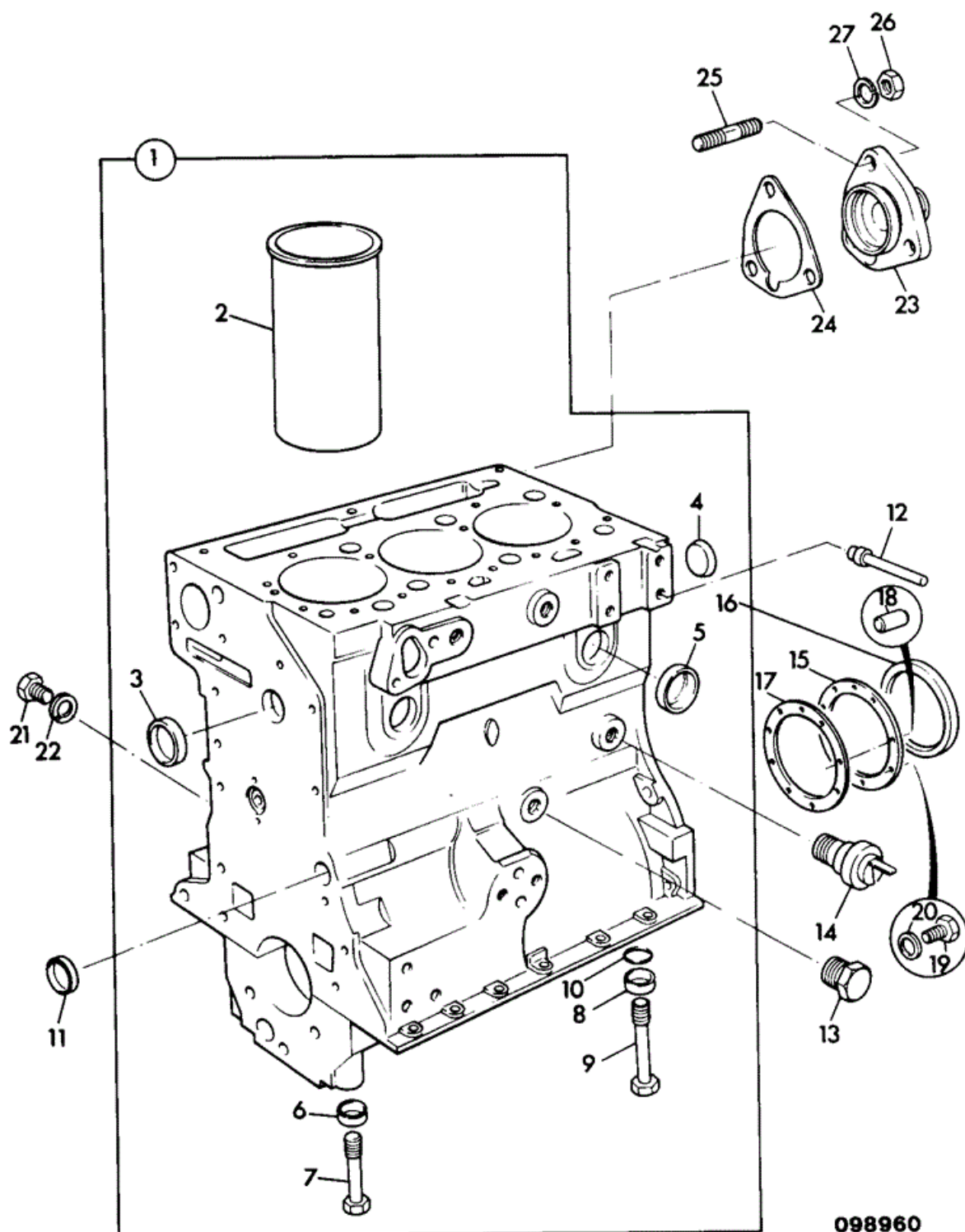
Item	Part #	Change No	Description	Usage Code	QTY
1	02/130170	Superseded	Engine short <i>See Note 1</i>		1
1	02/130210		Engine short		1
2	****		'See Remark' <i>See L1-3-1 Block assembly</i>		1
3	****		'See Remark' <i>See L1-4-1 Crankshaft assembly</i>		1
4	****		'See Remark' <i>See L1-4-1 Con-rod assembly</i>		4
5	****		'See Remark' <i>See L1-4-1 Piston assembly</i>		4
6	****		'See Remark' <i>See L1-4-1 Piston ring kit</i>		4
7	****		'See Remark' <i>See L5-2-1 Oil pump</i> <i>See Note 2</i>		1
8	02/101810		Plug		1
9	02/130169		Plug		2
10	816/00357		Adapter <i>See Note 1 For engine oil pressure switch.</i>		1

Note 1: When installing this short motor additional plugs refs. 8, 9 & 10 are required.

Note 2: Not included with item 1.

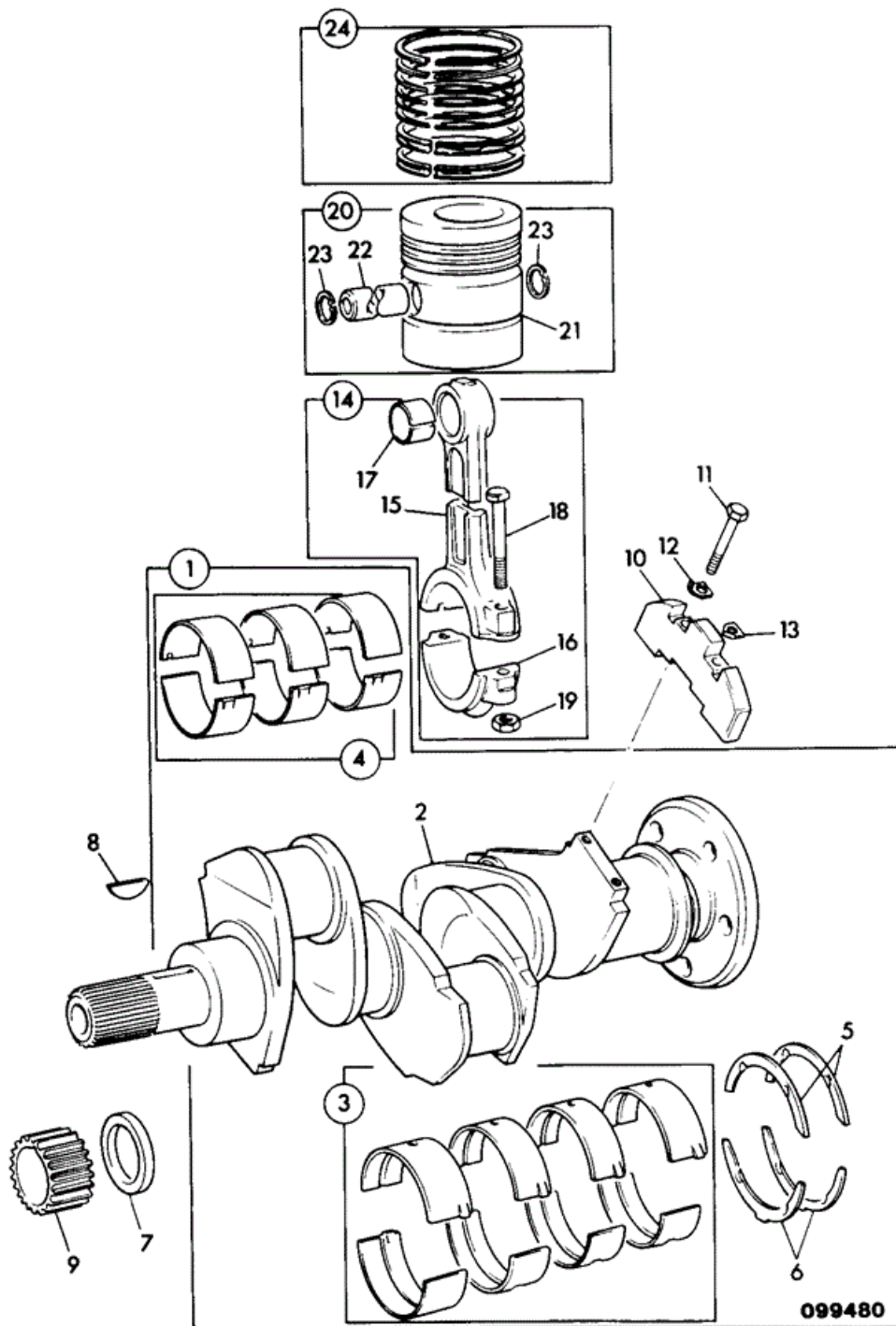


9802/8800 L1-3-1 BLOCK ASSEMBLY CE BUILD



098960

Item	Part #	Change No	Description	Usage Code	QTY
1	02/130180	Superseded	Block assembly		1
1	02/130201		Block cylinder assembly		1
2	:02/130001		Liner cylinder Press-fit		3
2	02/130002		Liner cylinder slip-fit		0
2	02/130171		Liner oversize - 0.25mm		0
3	:02/100396		Plug core D=32mm		1
4	:02/101193		Plug core D=17mm		1
5	:02/100396		Plug core D=32mm		4
6	:02/101893		Thimble		6
7	:02/130003		Bolt		6
8	:02/101893		Thimble		2
9	:02/130004		Bolt		2
10	:02/130005		O Ring		2
11	02/101193		Plug core D=17mm		2
12	02/101827		Plug		1
13	02/100132		Plug drain		1
13	02/100335		Tap drain <i>Alternative</i>		1
14	02/100123		Switch oil pressure		1
15	02/130007		Housing Rear assembly		1
16	:02/101436		Seal rear oil		1
17	02/130008		Gasket		1
18	02/130009		Dowel		2
19	1305/0105Z		Bolt		9
20	1410/0002Z		Washer (5/16" Small)		9
21	1305/0102Z		Bolt		2
22	823/00263		Washer		2
23	02/130010		Plate		1
24	02/130011		Gasket		1
25	822/00126		Stud		3
26	1340/0101Z		Nut		3
27	823/00268		Washer spring		3



Item	Part #	Change No	Description	Usage Code	QTY
1	02/130012	Superseded	Crankshaft Assembly		1
1	02/130200		Crankshaft assembly		1
2	****		None serviced part <i>Crankshaft</i>		1
3	:02/139001		Kit-bearing main standard		1
3	02/139002		Kit-bearing main undersize - 0.010"		0

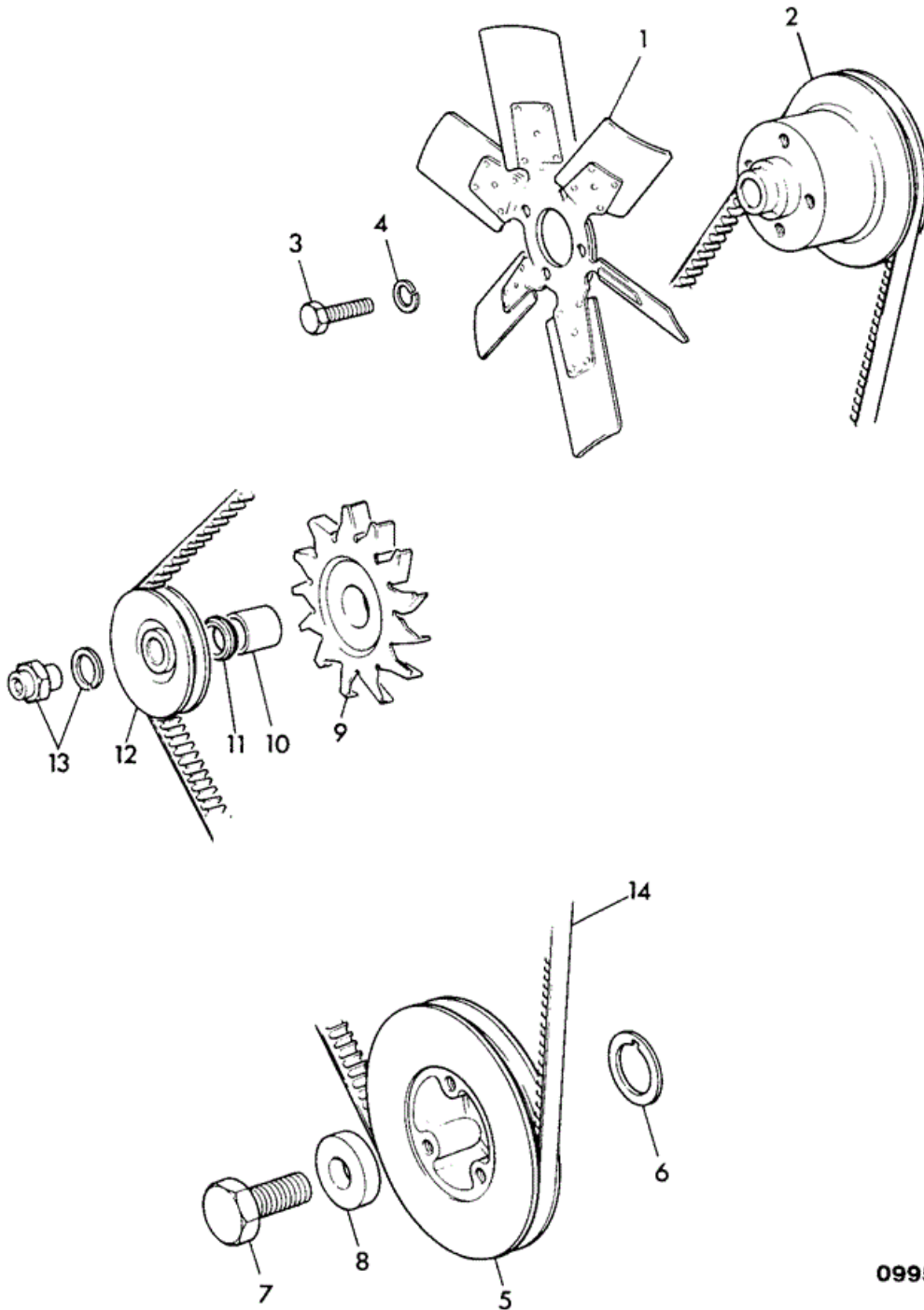
3	02/139003		Kit-bearing main undersize - 0.020"	0
3	02/139004		Kit-bearing main undersize - 0.030"	0
4	:02/139009		Kit-bearing big-end standard	1
4	02/139010		Kit-bearing big-end undersize - 0.010"	0
4	02/139011		Kit-bearing big-end undersize - 0.020"	0
4	02/139012		Kit-bearing big-end undersize - 0.030"	0
5	:02/139005		Washer thrust standard	2
5	02/139006		Washer thrust oversize - 0.007"	0
6	:02/139007		Washer thrust - bottom standard	2
6	02/139008		Washer thrust - bottom oversize - 0.007"	0
7	02/130020		Spacer	1
8	02/130021		Key	1
9	02/139014		Gear crankshaft	1
10	02/130022		Counterweight <i>See Note 1</i>	2
11	02/130023		Screw	4
12	02/130024		Washer tab	2
13	02/130025		Washer tab	2
14	02/130013		Rod connecting	3
15	****		None serviced part <i>Con-rod</i>	1
16	****		None serviced part <i>Cap</i>	1
17	:02/139013		Bush small-end	1
18	:02/130015		Bolt	2
19	:02/130016		Nut	2
20	02/130017	<EU926067Y	Piston assembly 5 ring	3
20	02/130248	Superseded	Piston assembly 4 ring <i>USED ON LATEST SHORT ENGINE</i>	4
20	02/130279		Piston assembly LOW GRADE <i>LOW GRADE</i> <i>See Note 2</i>	0
20A	02/130291		Piston assembly HIGH GRADE <i>See Note 1, HIGH GRADE</i>	0
21	****		None serviced part <i>Piston</i>	1
22	****		None serviced part <i>Gudgeon pin</i>	1
23	:02/130018		Circlip	2
24	02/130019		Kit-piston ring 5 ring	3
24	02/130204		Kit-piston ring 4 ring	4

Note 1: Must be fitted in matched pairs as supplied.

Note 2: Refer to the Service Workshop Manual to ensure the correct Pistons are chosen

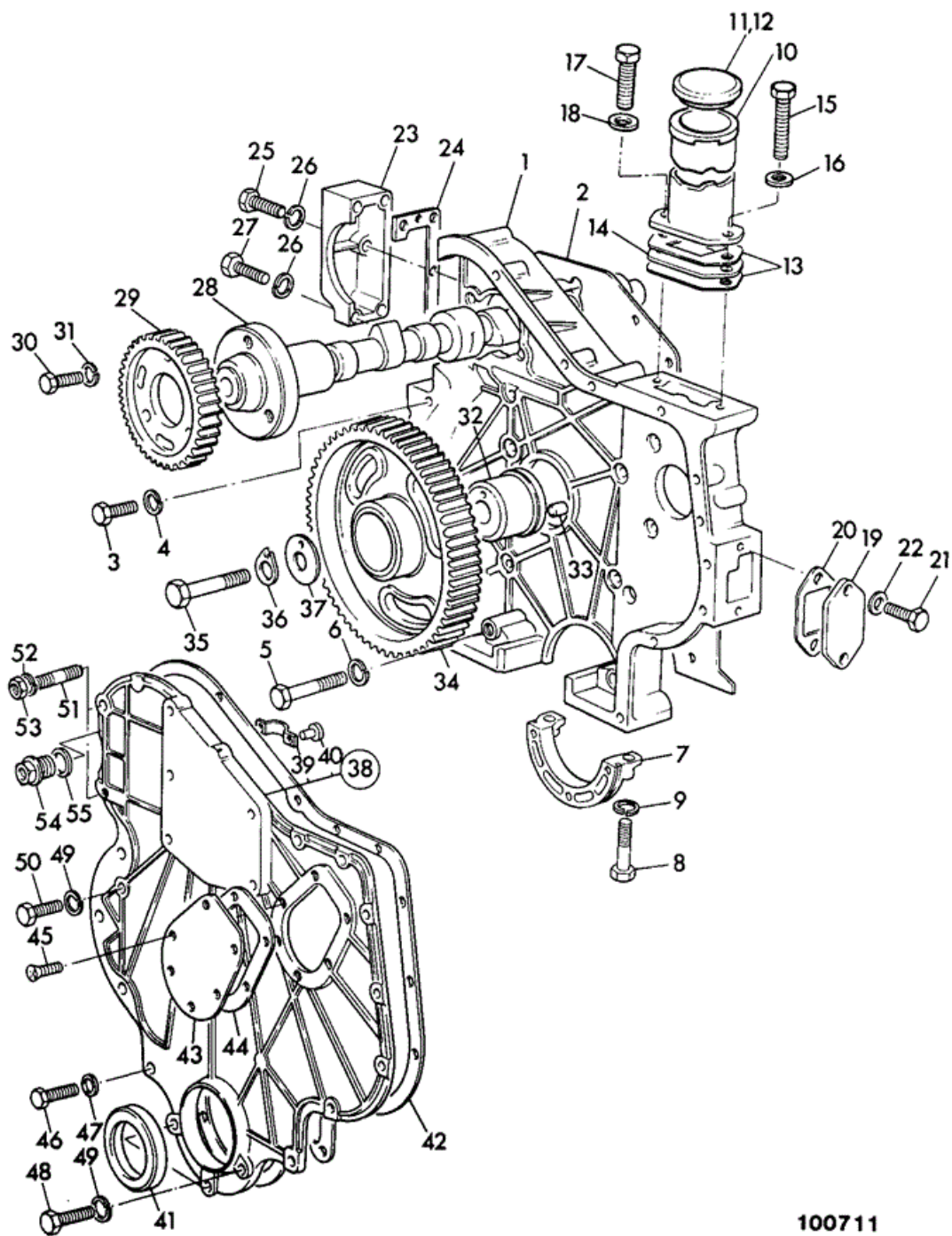


9802/8800 L1-5-1 FANS, PULLEYS & FAN BELT CE BUILD



099501

Item	Part #	Change No	Description	Usage Code	QTY
1	02/130026		Fan		1
2	02/130027		Pulley Water pump		1
3	1305/0104Z		Setscrew (5/16" UNF x 3/4")		4
4	823/00268		Washer spring		4
5	02/130028		Pulley Crankshaft		1
6	02/101942		Washer		1
7	02/101586		Bolt		1
8	02/100139		Washer		1
9	714/10812		Fan alternator		1
10	714/11304		Collar Spacer		1
11	02/102013		Spacer		1
12	02/102012		Pulley single D=83mm		1
13	714/10810		Kit-sundry parts		1
14	02/101581		Belt fan, pair		1



100711

Item	Part #	Change No	Description	Usage Code	QTY
1	02/130034		Casing timing		1
2	02/130035		Gasket timing case to block		1
3	02/130036		Screw		12
4	823/00268		Washer spring		12
5	1305/3112Z		Bolt		2

6	823/00268		Washer spring	2
7	02/130037		Cover	1
8	1305/0109Z		Screw set	2
9	823/00268		Washer spring	2
10	NLA		No Longer Available <i>02/130184 TUBE OIL FILLER</i>	1
11	02/100037		Cap oil filler	1
12	:02/100422		Seal	1
13	02/130040		Gasket	2
14	02/130039		Strainer	1
15	1305/1506Z		Screw	1
16	823/00267		Washer	1
17	1305/1506Z		Screw	1
18	823/00267		Washer	1
19	02/130042		Plate Cover	1
20	02/130040		Gasket	1
21	1305/1503Z		Bolt	2
22	823/00267		Washer	2
23	02/130043		Cover	1
24	02/130044		Gasket	1
25	1305/1614Z		Bolt	1
26	823/00268		Washer spring	4
27	1305/1608Z		Setscrew (5/16 UNC x 1-1/4")	3
28	02/100207		Camshaft	1
29	02/190007		Gear camshaft	1
30	02/130014		Screw	3
31	823/00268		Washer spring	3
32	02/130045		Hub	1
33	02/130046		Dowel	1
34	02/139015		Gear Idler	1
35	02/130047		Screw	1
36	02/130048		Washer	1
37	02/130049		Plate	1
38	02/130176		Cover timing	1
39	02/130053		Clip Spring	1
40	02/130054		Rivet	1
41	02/130051		Seal Front oil	1
42	02/130052		Gasket timing cover	1
43	02/130055		Cover Inspection	1
44	02/130056		Gasket	1
45	02/130057		Screw	6
46	1305/1505Z		Bolt	8
47	823/00267		Washer	8
48	02/130168		Bolt	3
49	823/00268		Washer spring	5
50	1305/1605Z		Bolt	2
51	02/130059		Stud	2
52	823/00267		Washer	2
53	1340/0001Z		Nut	2
54	02/101691	Superseded	Plug oil drain	1
54	02/101782		Plug oil drain <i>Used with item 55A</i>	1

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