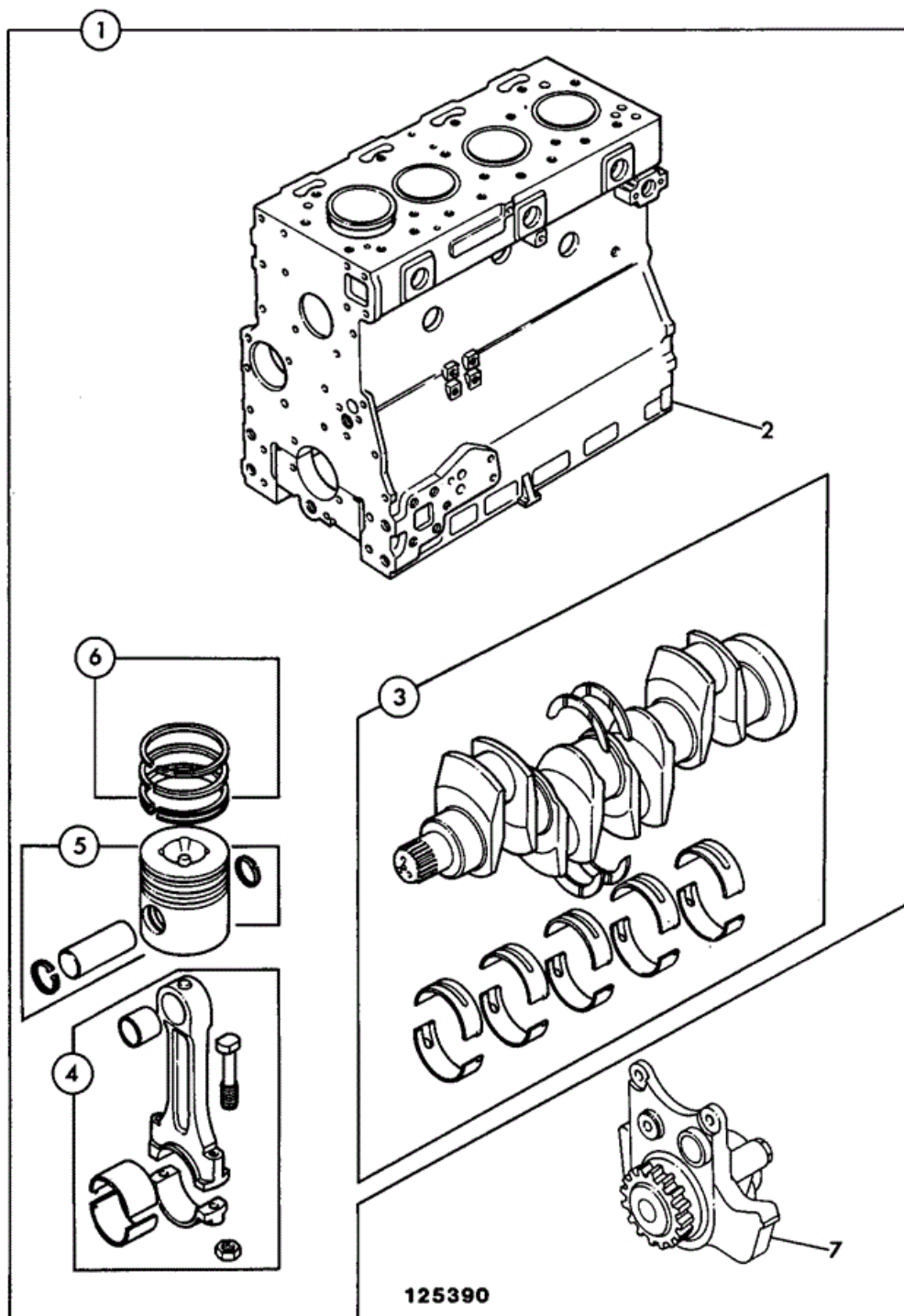




9802/8550 N1-2-2 ENGINE, SHORT AB & AC BUILDS

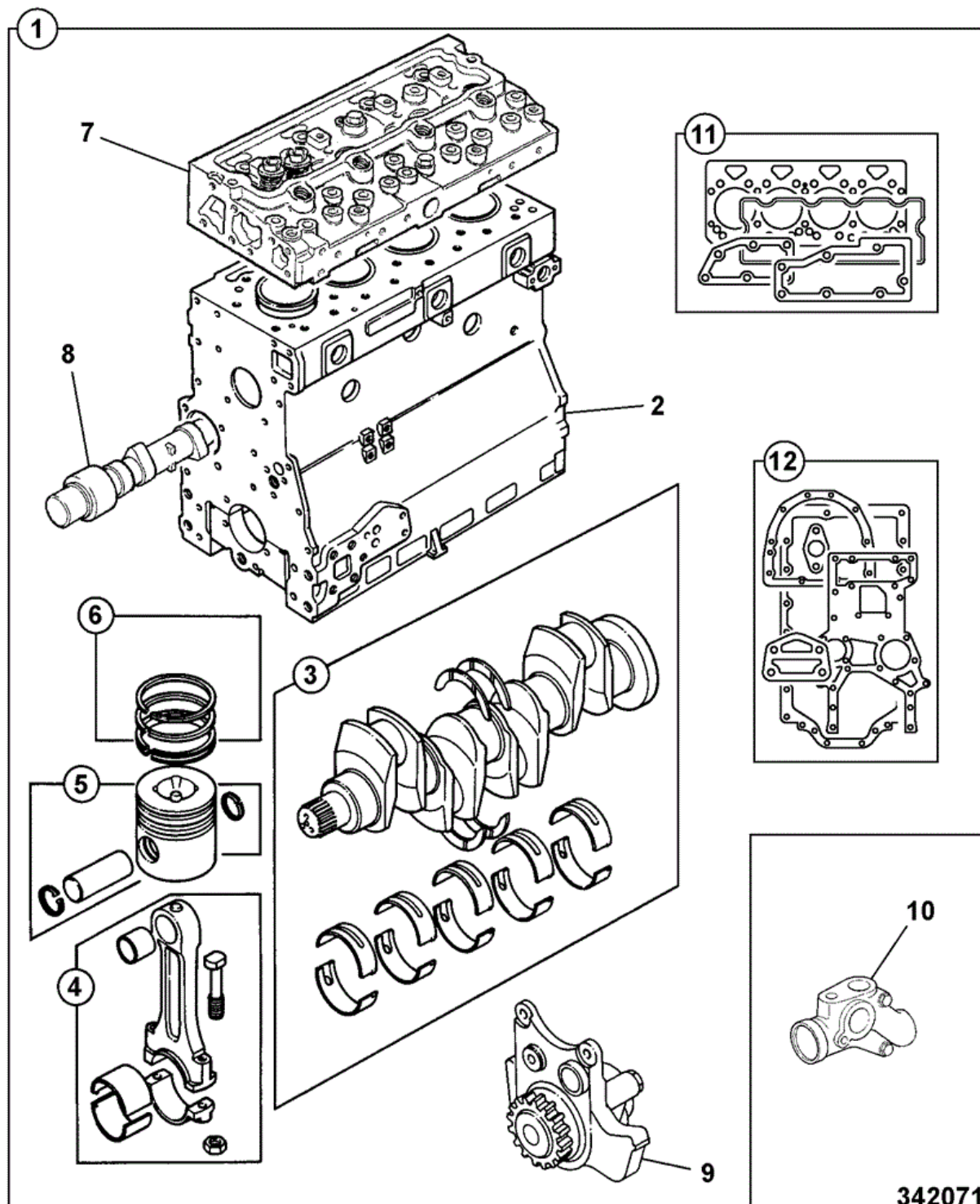


Item	Part #	Change No	Description	Usage Code	QTY
1	02/200441		Engine short, turbo		1
2	****		'See Remark' <i>See frame N1-3-1 - Block assembly</i>		1
3	****		'See Remark' <i>See frame N1-4-2 - Crankshaft assembly</i>		1
4	****		'See Remark' <i>See frame N1-4-2 - Con-rod assembly</i>		4
5	****		'See Remark' <i>See frame N1-4-2 - Piston assembly</i>		4
6	****		'See Remark' <i>See frame N1-4-2 - Piston ring kit</i>		4
7	****		'See Remark' <i>See frame N5-2-2 - Oil pump</i> <i>See Note 1</i>		1

Note 1: Not included in item 1.



9802/8550 N1-2-3 ENGINE, LONG AA BUILD



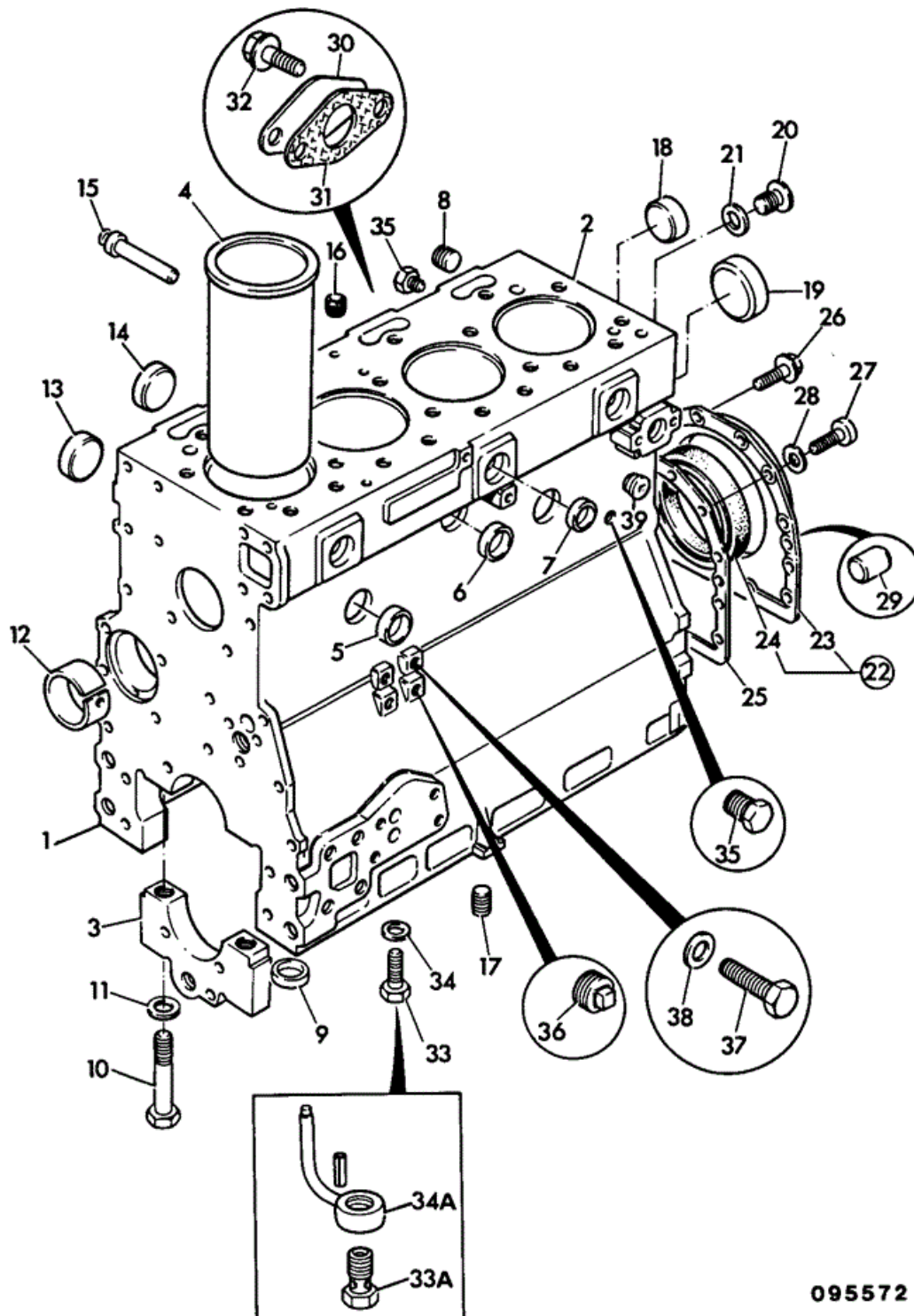
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Item	Part #	Change No	Description	Usage Code	QTY
1	02/202530		Engine long AA build		1
2	****		'See Remark'		1

			<i>See frame N1-3-1, Block Assembly</i>		
3	****		'See Remark' <i>See frame N1-4-1, Crankshaft assembly</i>		1
4	****		'See Remark' <i>See frame N1-4-1, Con-rod assembly</i>		4
5	****		'See Remark' <i>See frame N1-4-1, Piston assembly</i>		4
6	****		'See Remark' <i>See frame N1-4-1, Piston ring kit</i>		4
7	****		'See Remark' <i>See frame N2-1-1, Cylinder head</i>		1
8	****	<EU567032V	'See Remark' <i>See frame N1-6-1, Timing case</i>		1
8	****	>EU567033V	'See Remark' <i>See frame P1-6-1, Timing case</i>		1
9	****		'See Remark' <i>See frame N5-2-1, Oil pump</i>		1
10	****		'See Remark' <i>See frame N5-2-1 Oil relief valve</i>		1
11	****		'See Remark' <i>See frame N8-1-1, Gasket set</i>		1
12	****		'See Remark' <i>See frame N8-1-1, gasket set</i>		1



9802/8550 N1-3-1 BLOCK ASSEMBLY AA,AB & AC BUILDS



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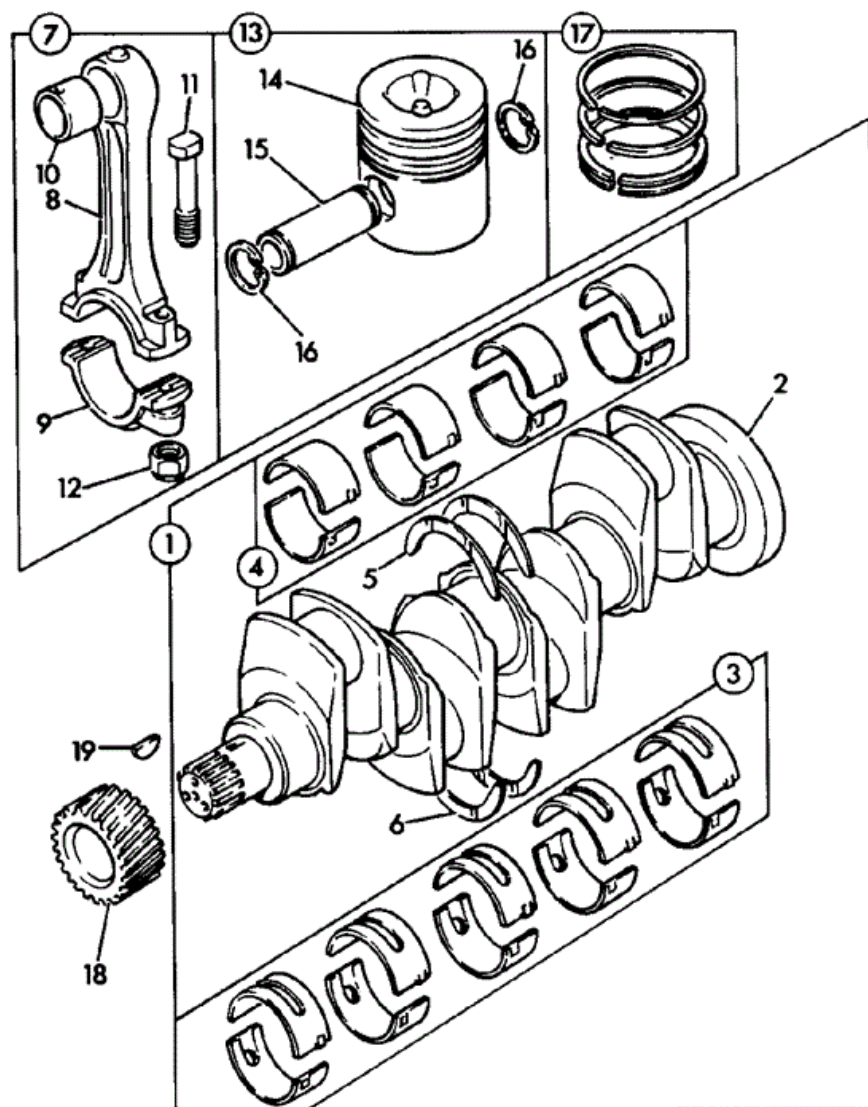
Item	Part #	Change No	Description	Usage Code	QTY
1	02/200190	Superseded	Block cylinder assembly <i>AA50254 Only</i>		1
1	02/201315	Superseded	Block cylinder assembly		1
1	02/201360	Superseded	Block cylinder, assembly		1
1	02/201772		Block cylinder		1
1	02/200470	Superseded	Block cylinder assembly <i>AB50279, AC50283 & AC50290</i> <i>See Note 1</i>		1
1	02/201240	Superseded	Block cylinder assembly		1
1	02/201300		Block assembly, cylinder		1
2	****		None serviced part <i>Block</i>		1
3	****		None serviced part <i>Bearing Cap</i>		5
4	:02/200949		Liner cylinder, press fit <i>See Note 2</i>		4
4	02/200002		Liner cylinder, slip fit		0
4	02/202035		Liner cylinder, slip-fit oversize - 0.10"		0
5	:02/200003		Plug core" D=26mm		2
6	:02/100396		Plug core D=32mm		5
7	:02/100396		Plug core D=32mm		1
8	:02/100134		Plug		1
9	:02/100101		Thimble		10
10	:02/100102		Bolt		10
11	****		'See Remark' <i>Deleted, was 02/100615</i>		10
12	:02/192001	Superseded	Bush camshaft		1
12	02/192094		Bush camshaft		1
13	:02/100397	Superseded	Plug core D=38mm		4
13	:02/200454		Plug core D=38mm		4
14	:02/100397	Superseded	Plug core D=38mm		2
14	:02/200454		Plug core D=38mm		2
15	:02/101827		Plug		1
16	02/100108		Plug		1
17	02/100582		Plug core D=16mm		1
18	02/100397	Superseded	Plug core D=38mm		4
18	02/200454		Plug core D=38mm		4
19	02/100107		Plug core D=50mm		1
20	02/100111	Superseded	Plug		1
20	02/200827		Plug		1
21	823/00276		Washer		1
22	02/200223	Superseded	Housing rear seal		1
22	M.S.S		Multi Supersession <i>See Note 3</i>		2
22A	02/200958		Housing rear seal		1
23	****		None serviced part <i>Cover</i>		1
24	:02/101436		Seal rear oil		1
25	02/100113		Gasket rear seal housing		1
25A	02/201092		Gasket rear seal housing		1
26	826/00869		Screw flange head		10
26A	826/00869		Screw flange head		2
27	02/291063		Screw		2

27A	1391/3307Z		Capscrew M8x25mm <i>Used only with item 22A</i>		2
28	02/100307		Washer		2
29	02/100308		Dowel		2
30	02/200004		Plate <i>AA Build only</i>		1
31	02/200005		Gasket <i>AA Build only</i>		1
32	02/291031		Bolt <i>AA Build only</i>		2
33	02/101756		Plug <i>AA build only</i>		4
33A	****		'See Remark' <i>AB & AC builds only, See frame N5-3-1</i>		4
34	823/00287		Washer spacer <i>AA50254 & AC50290 Builds only</i>		4
34A	****		'See Remark' <i>AB50279 & AC50283 only - See frame N5-3-1</i>		4
35	02/100132		Plug drain <i>Water drain</i>		2
35	02/100335		Tap drain <i>Alternative</i>		0
36	826/00765		Plug <i>AA & AC Builds only</i>		1
37	1315/0401Z		Bolt M10 x 10		1
38	823/00273		Washer		1
39	02/100134		Plug <i>AA Build only</i>		1

Note 1: Items 33A and 34A are included with assembly.

Note 2: Special tools for fitting, boring and honing required, For General Service use slip-fit.

Note 3: Part No Longer Available, use 22A with items 25A,26A,27A and 1 off 02/201094 bridge piece



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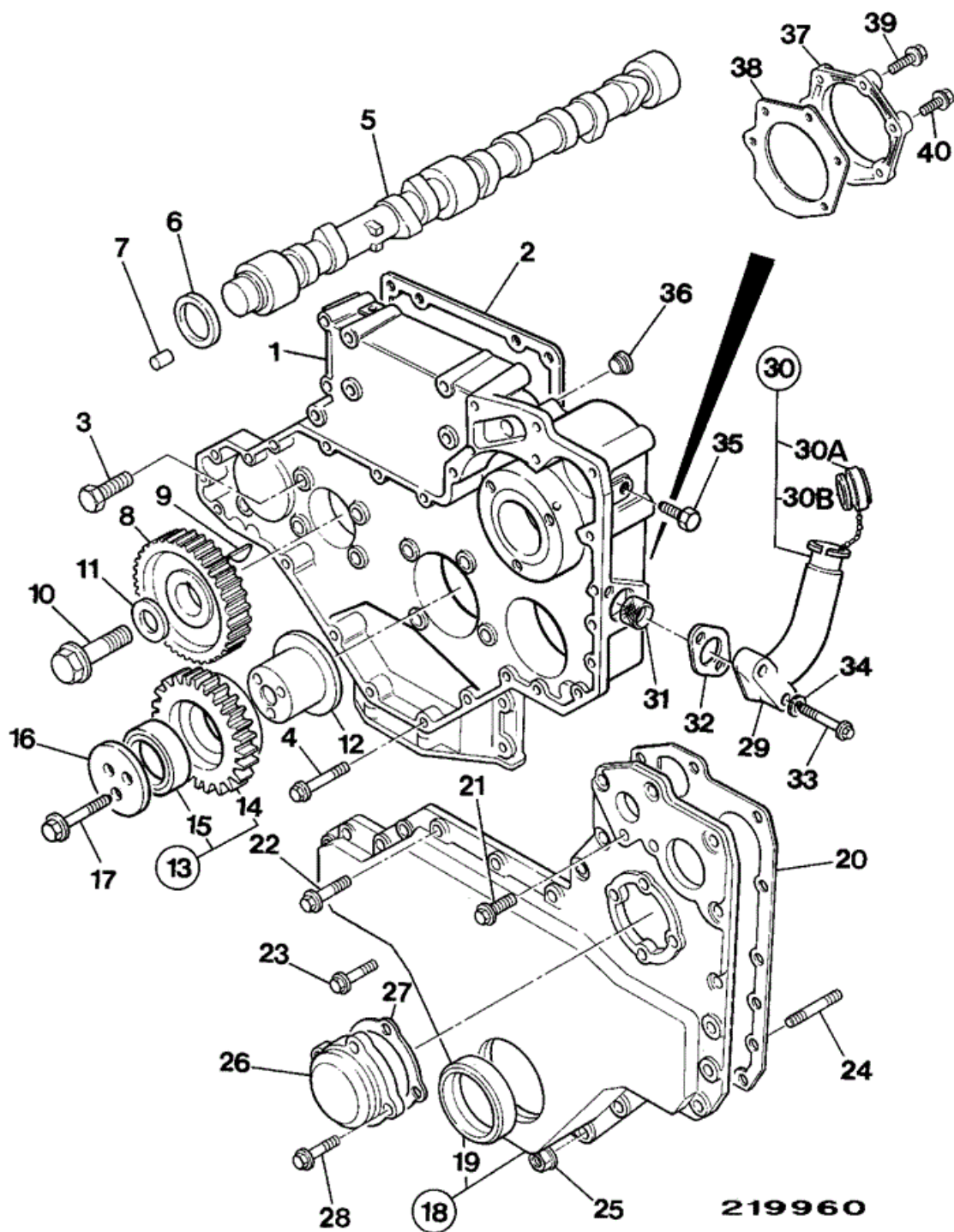
Item	Part #	Change No	Description	Usage Code	QTY
1	02/101825		Crankshaft assembly	P/Ex	1
2	****		None serviced part <i>Crankshaft</i>		1
3	:02/192002		Kit-bearing Main Standard		1
3	02/192003		Kit-bearing Main Undersize - .010inch		1
3	02/192004		Kit-bearing Main Undersize - .020inch		1

3	02/192005		Kit-bearing Main Undersize - .030inch		1
4	:02/192006		Kit-bearing big end standard		1
4	02/192007		Kit-bearing Big end Undersize - .010inch		1
4	02/192008		Kit-bearing Big end Undersize - .020inch		1
4	02/192009		Kit-bearing Big end Undersize - .030inch		1
5	:02/192083		Washer thrust top - standard		2
5	02/192011		Washer thrust top-oversize 0.19mm		2
6	:02/192084		Washer thrust bottom - standard		2
6	02/192013		Washer thrust btm-oversize 0.19mm		2
7	02/101440		Rod assembly Connecting		4
8	****		None serviced part <i>Con-rod</i>		1
9	****		None serviced part <i>Cap</i>		1
10	:02/192015		Bush small end		1
11	:02/100127	Superseded	Bolt		2
11	:02/291072		Bolt		2
12	:02/100128		Nut		2
13	02/200191	Superseded	Piston assembly <i>See Note 1</i>		4
13	N.L.A	<EU531919T	No longer available <i>Part N.L.A use 13A in sets of 4 ONLY.</i>		1
13A	02/200849	<EU531920T	Piston assembly <i>See Note 1</i>		4
13B	02/200471	Superseded	Piston assembly <i>Fitted from EU531920T on</i> <i>See Note 2</i>		4
13B	N.L.A	<EU618035X	No longer available <i>Part N.L.A use 13C in sets of 4 ONLY.</i>		1
13C	02/200904	<EU797494C	Piston assembly <i>See Note 2</i>		4
13D	02/201939	Superseded	Piston assembly		4
13D	M.S.S		Multi Supersession <i>Part N.L.A use 13E with item 17A</i> <i>See Note 3</i>		1
13E	02/202111		Piston assembly		4
14	****		None serviced part <i>Piston</i>		1
15	****		None serviced part <i>Gudgeon pin</i>		1
16	:2203/1040		Circlip		2
17	02/200192	<EU797494C	Kit-piston ring		4
17A	02/201938	>EU797495C	Kit-piston ring		4
18	02/290001		Gear		1
19	02/100038		Key		1

Note 1: Latest piston may be fitted to engines prior to EU531920, BUT in ENGINE SETS ONLY.

Note 2: Earlier piston may be fitted to engines after EU531919T, BUT in ENGINE SETS ONLY.

Note 3: MUST BE FITTED IN ENGINE SETS ONLY



Item	Part #	Change No	Description	Usage Code	QTY
1	02/200021	Superseded	Casing timing, twin p.t.o <i>AA50254, AC50283 & AC50290</i>		1
1	M.S.S		Multi Supersession <i>Part N.L.A use 1A with items 23A & 23B</i>		1
1A	02/200948	Superseded	Casing timing, twin p.t.o		1
1A	02/202044		Case timing		1

2	02/200022		Gasket t/case to block	1
3	826/00869		Screw flange head	8
4	02/291033		Bolt	4
5	02/200023	Superseded	Camshaft	1
5	M.S.S		Multi Supersession <i>Part N.L.A use 5A with item 6A</i>	1
5A	02/201303		Camshaft	1
6	02/192064		Washer thrust	1
6A	02/291047		Bolt	1
7	2102/0604		Dowel	1
8	02/190034		Gear camshaft	1
9	02/100038		Key	1
10	02/291047		Bolt <i>Used only with item 5</i>	1
10A	02/291196		Screw <i>Used only with item 5A</i>	1
11	02/291065		Washer	1
12	02/100041		Hub	1
13	02/190033		Gear idler assembly	1
14	:N.S.P.		None serviced part <i>Use Gear assembly, item 13</i>	1
15	:02/192016		Bush	2
16	02/100042	Superseded	Plate	1
16	02/201288		Plate	1
17	02/291073		Screw	3
18	02/200026	Superseded	Cover timing case	1
18	02/200486	Superseded	Cover timing	1
18	02/202025		Cover timing	1
19	:02/101435		Seal front oil	1
20	02/200027	Superseded	Gasket timing cover	1
20	02/200728		Gasket timing cover	1
21	02/291026		Bolt	6
23	02/291017		Screw	11
23A	02/291018		Bolt	9
23B	02/291017		Screw	1
24	02/291051		Stud	2
24A	02/291033		Bolt <i>Replaces items 24 & 25</i>	2
25	02/291058		Nut flanged M8	2
26	02/200028	Superseded	Cover inspection	1
26	02/202121		Cover inspection <i>C/W O'Ring</i>	1
27	02/200029		Gasket inspection cover	1
27A	:02/202119		O Ring <i>Used only with 02/202121</i>	1
28	02/291014		Bolt	4
29	123/94600		Tube Oil filler	1
30	258/45200		Cap & filler neck assembly	1
30A	:02/101484		Cap oil filler	1
30B	::02/100421		Seal	1
31	02/200037		Strainer	1
32	813/00350		Gasket	1
33	1315/3313Z		Bolt M8 x 55	2

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