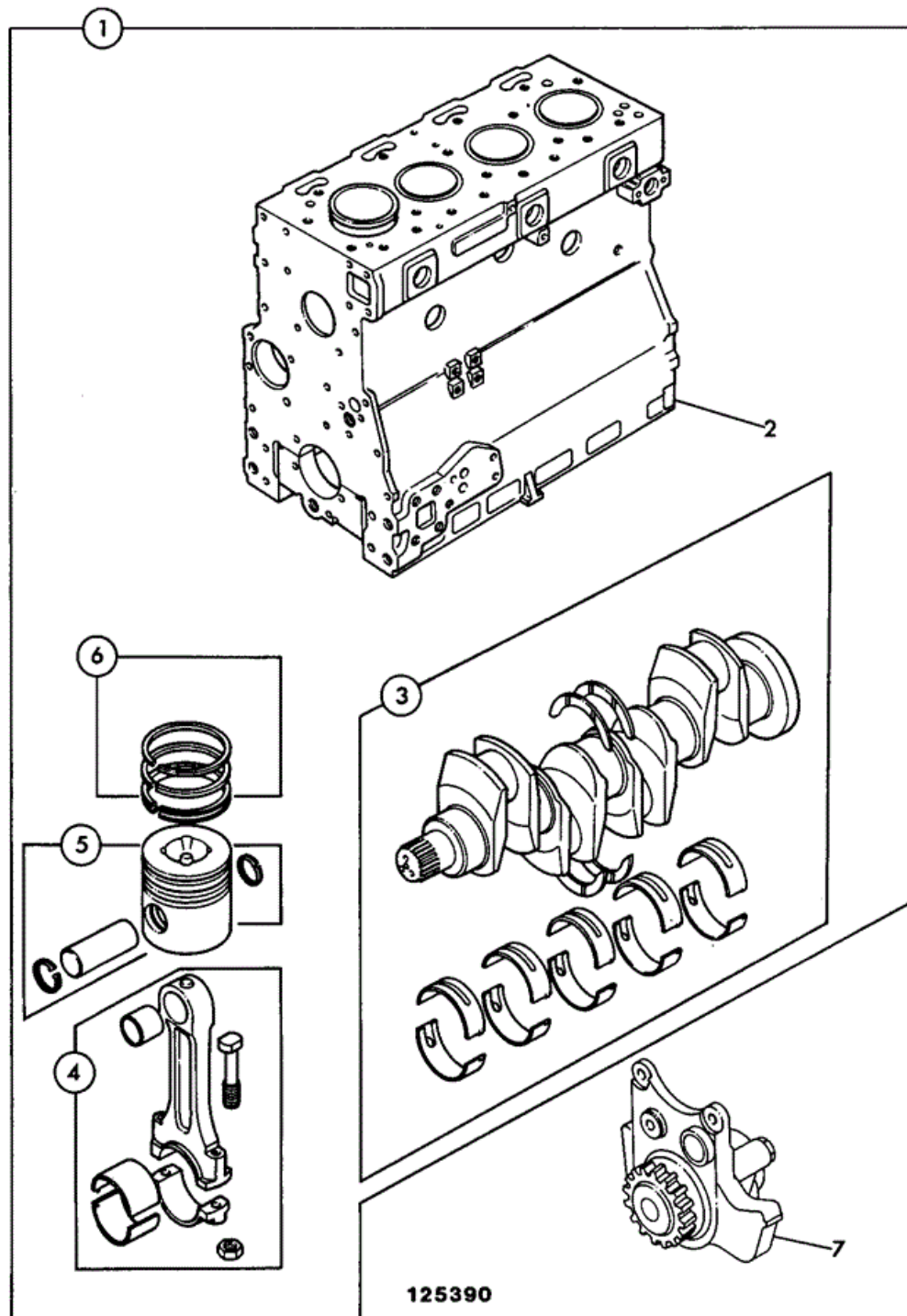




9802/7800 N1-2-4 ENGINE, SHORT AB BUILD



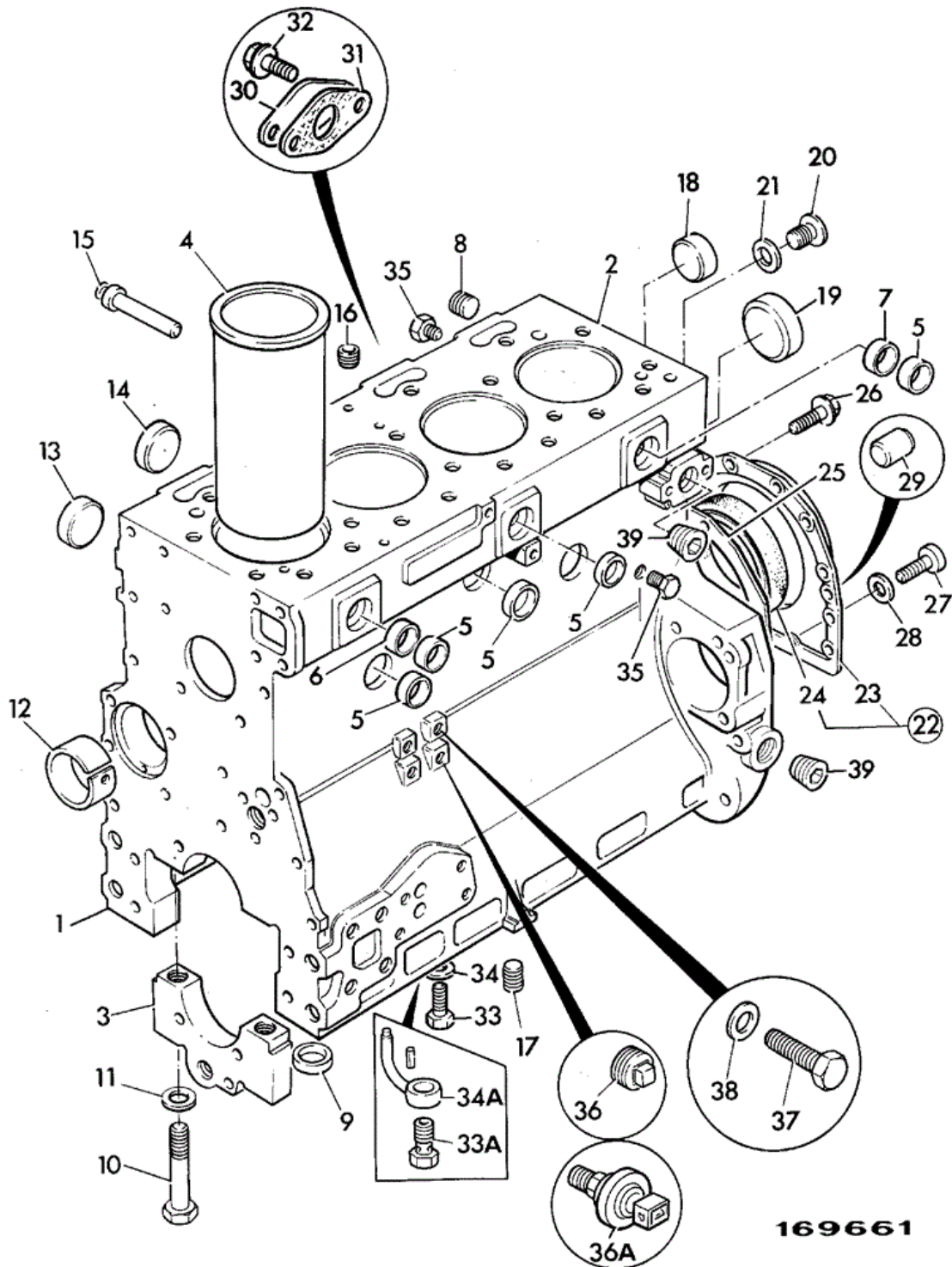
Item	Part #	Change No	Description	Usage Code	QTY
1	02/200444	Superseded	Engine short, 1004-4T <i>See Note 1</i>		1
1	02/200446		Engine short, 1004-4T turbocharged		1
2	****		'See Remark' <i>See frame N1-3-2, Block assembly</i>		1
3	****		'See Remark' <i>See frame N1-4-4, Crankshaft assembly</i>		1
4	****		'See Remark' <i>See frame N1-4-4, Con-rod assembly</i>		4
5	****		'See Remark' <i>See frame N1-4-4, Piston assembly</i>		4
6	****		'See Remark' <i>See frame N1-4-4, Piston ring kit</i>		4
7	****		'See Remark' <i>See frame N5-2-2, Oil pump</i> <i>See Note 2</i>		1

Note 1: Items on this frame are applicable to Engines AB50444 from U608787W, AB50445 from U609165X

Note 2: Not included in item 1



9802/7800 N1-3-1 BLOCK ASSEMBLY AA & AB BUILDS



169661

Item	Part #	Change No	Description	Usage Code	QTY
1	02/200190	<EU707726A	Block cylinder assembly <i>AA Build only</i>		1
1	02/201315		Block cylinder assembly		1

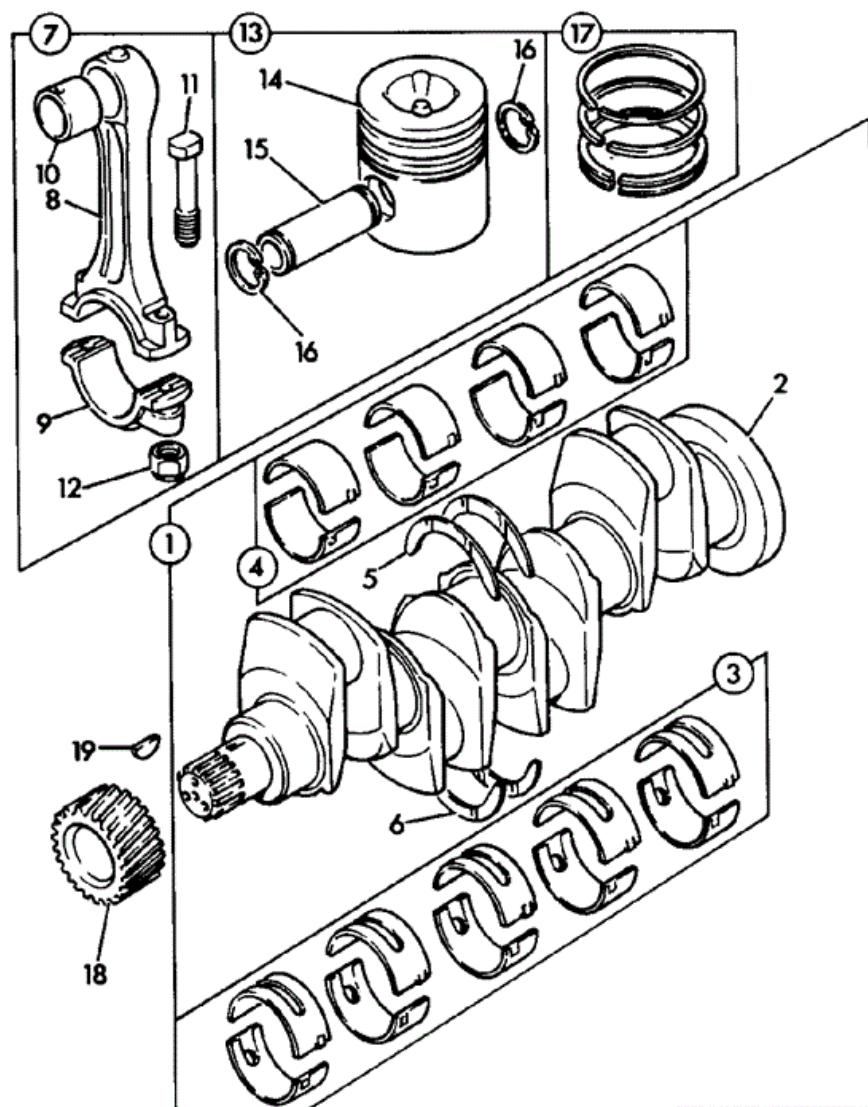
1	02/200470	Superseded	Block cylinder assembly <i>AB Build only, Includes items 33A & 34A</i>	1
1	02/201300		Block assembly, cylinder	1
2	****		None serviced part <i>Block</i>	1
3	****		None serviced part <i>Bearing Cap</i>	5
4	:02/200949		Liner cylinder, press fit <i>Refer to Service Workshop Manual. See Note 1</i>	4
4	02/200002		Liner cylinder, slip fit	0
5	:02/100396		Plug core D=32mm	6
6	:02/201304		Plug	1
7	:02/200003		Plug core" D=26mm <i>Was 2 off</i>	1
8	:02/100134		Plug	1
9	:02/100101		Thimble	10
10	:02/100102		Bolt	10
11	****		'See Remark' <i>No longer fitted or required</i>	10
12	:02/192001		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13	:02/100397	Superseded	Plug core D=38mm	4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14	:02/100397	Superseded	Plug core D=38mm	2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18	02/100397	Superseded	Plug core D=38mm	4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		Plug	1
21	823/00276		Washer	1
22	02/200223	Superseded	Housing rear seal	1
22	M.S.S		Multi Supersession <i>Part N.L.A use 22A with 27A</i>	1
22A	02/200523	Superseded	Housing rear seal	1
22A	M.S.S	<EU619893X	Multi Supersession <i>See Note 2</i>	1
22B	02/200958	>EU619894X	Housing rear seal	1
23	****		None serviced part <i>Cover</i>	1
24	:02/101436		Seal rear oil	1
25	02/100113	<EU619893X	Gasket rear seal housing	1
25A	02/201092	>EU619894X	Gasket rear seal housing	1
26	826/00869		Screw flange head	10
26A	826/00869	>EU619894X	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 Build only - See frame N5-3-1</i>		4
34	823/00287		Washer spacer <i>AA Build only</i>		4
34A	****		'See Remark' <i>AB Build 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	<M567362	Plug		1
36A	701/26800	Superseded	Switch oil pressure engine <i>See Note 3</i>		1
36A	701/41500		Switch oil pressure		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: Special tools required for fitting, boring and honing, For normal Service use slip-fit type

Note 2: Part No Longer Available use 22B with items 25A, 26A, 27A and 1 off bridge piece 02/201094.

Note 3: Also fitted to M567180, M567194, M567208, M567215, M567233, M567247.



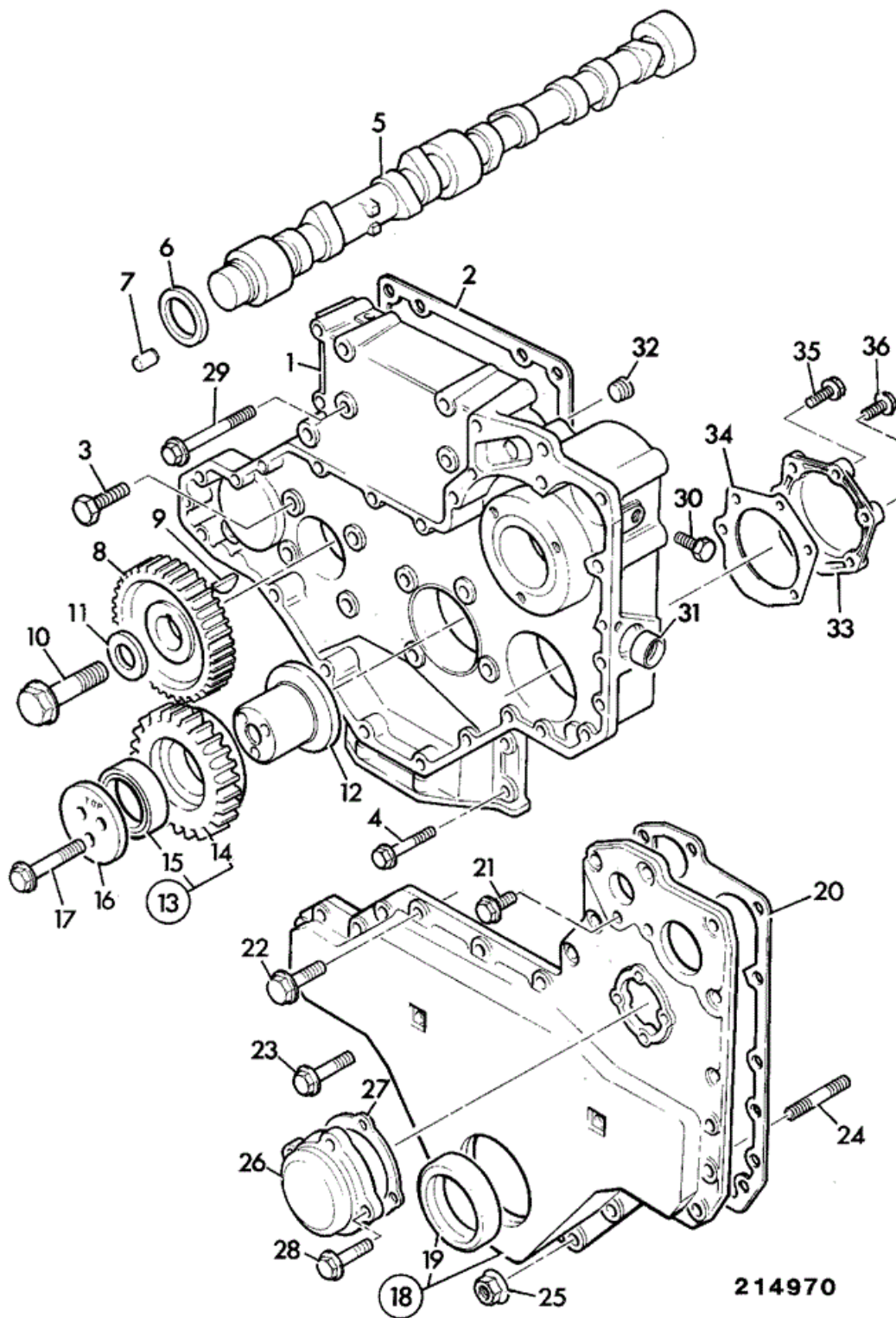
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Item	Part #	Change No	Description	Usage Code	QTY
1	02/101825		Crankshaft assembly	P/Ex	1
2	****		None serviced part <i>Crankshaft</i>		1
3	:02/192002		Kit-bearing Main Standard		1
3	02/192003		Kit-bearing Main Undersize - .010inch		1
3	02/192004		Kit-bearing 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	:02/291072		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>		4
13A	02/200849	<EU531919T	Piston assembly <i>See Note 1</i>		4
13B	02/200471	Superseded	Piston assembly <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>		4
13C	02/200904	>EU618036X	Piston assembly <i>See Note 2</i>		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		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 EU531920T, but only in complete sets.

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

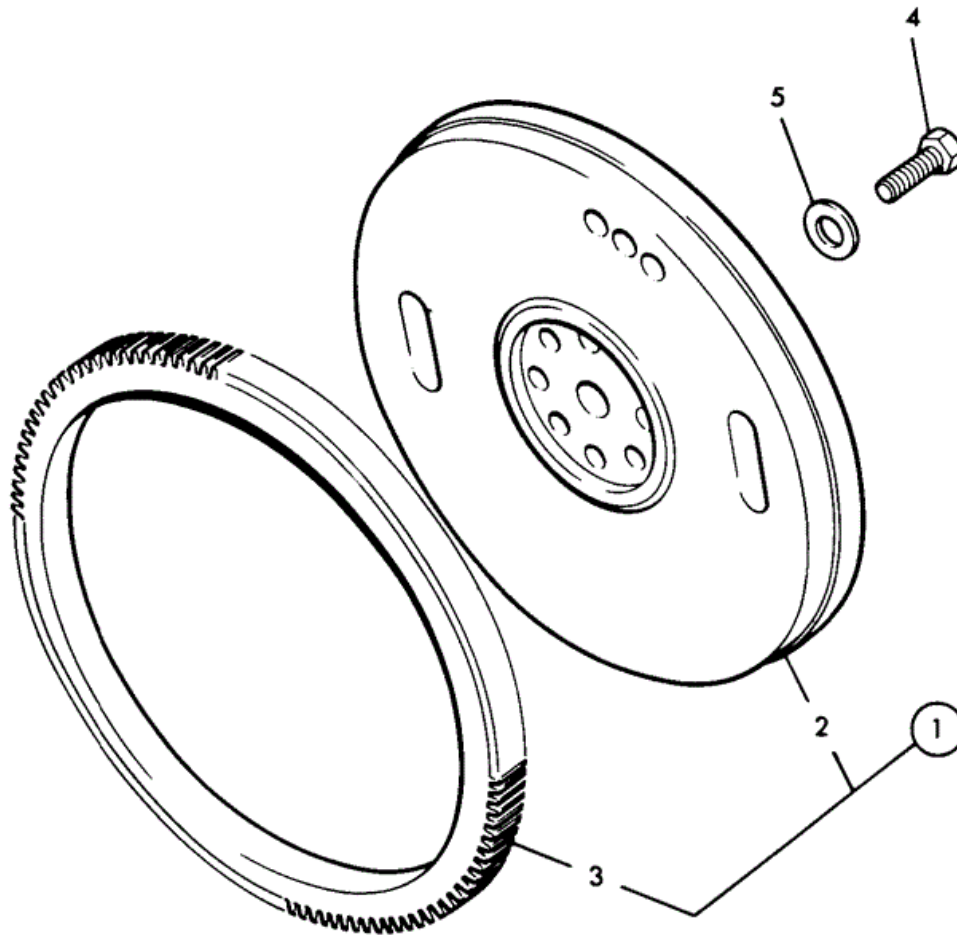


Item	Part #	Change No	Description	Usage Code	QTY
1	02/200021	Superseded	Casing timing, twin p.t.o		1
1	M.S.S		Multi Supersession <i>Part N.L.A use 1A with items 22 & 23A</i>		1
1A	02/200948		Casing timing, twin p.t.o <i>AB50444,AB50445 Builds</i>		1
2	02/200022		Gasket t/case to block		1

3	826/00869		Screw flange head		8
4	02/291033		Bolt		4
5	02/200023		Camshaft		1
6	02/192064		Washer thrust		1
7	2102/0604		Dowel		1
8	02/190034		Gear camshaft		1
9	02/100038		Key		1
10	02/291047		Bolt		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>Gear</i>		1
15	:02/192016		Bush		2
16	02/100042		Plate		1
17	02/291073		Screw		3
18	02/200026	Superseded	Cover timing case		1
18	02/200486		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
22	02/291018		Bolt <i>Used only with item 1A</i>		9
23	02/291017		Screw		11
23A	02/291017		Screw <i>Used only with item 1A</i>		1
24	02/291051		Stud		2
25	02/291058		Nut flanged M8		2
26	02/200028		Cover inspection		1
27	02/200029		Gasket inspection cover		1
28	02/291014		Bolt		4
29	02/291038		Bolt		4
30	02/291074		Bolt		1
31	02/100397		Plug core D=38mm		1
32	02/100409		Plug taper threaded		1
33	02/200034		Plate		1
34	02/200035		Gasket		1
35	02/291033		Bolt		5
36	02/291037		Bolt		1



9802/7800 N1-7-1 FLYWHEEL AA & AB BUILDS

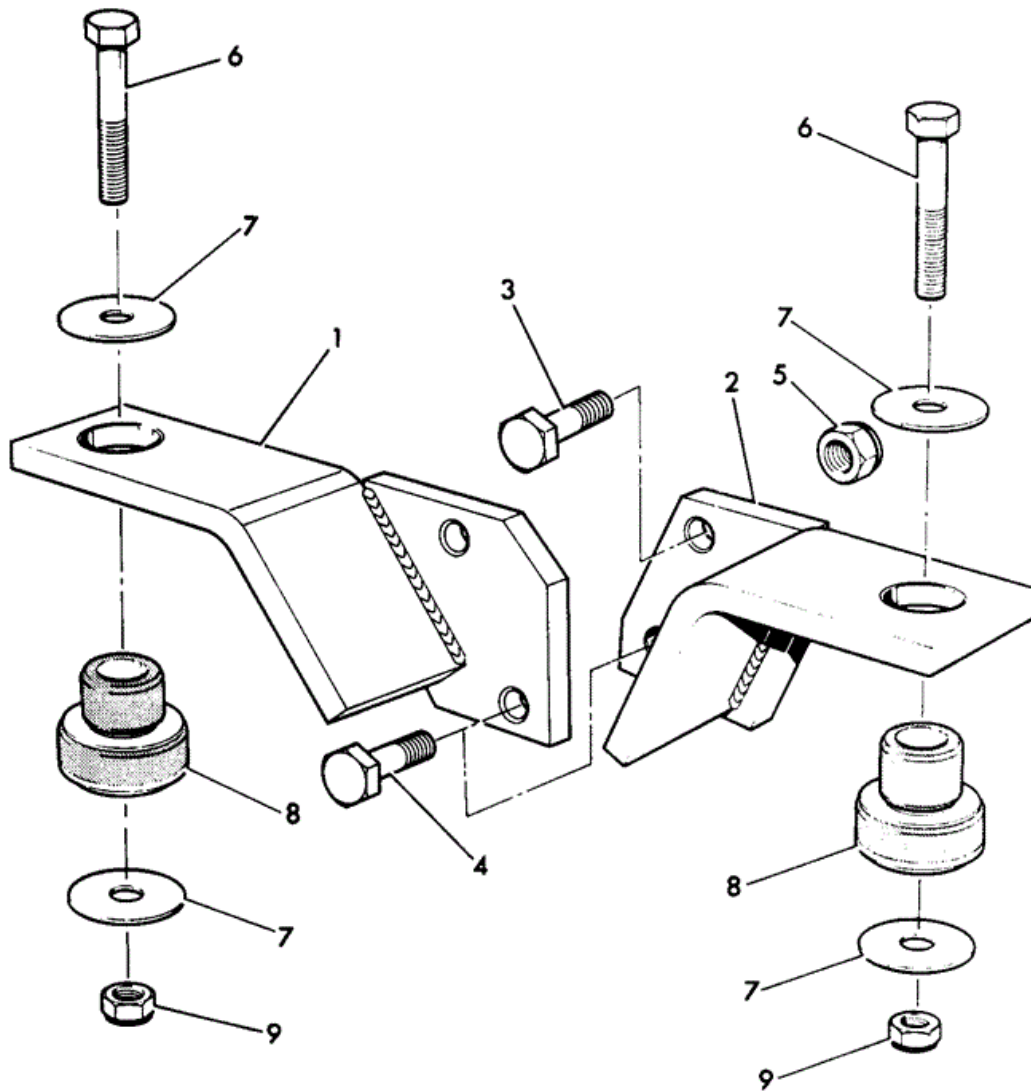


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Item	Part #	Change No	Description	Usage Code	QTY
1	02/101737		Flywheel assembly		1
2	:N.S.P.		None serviced part <i>Flywheel</i>		1
3	:02/100078		Gear starter ring		1
4	02/100570		Setscrew		6
5	02/100614	Superseded	Washer		6
5	02/200725		Washer		6



9802/7800 N1-8-1 ENGINE MOUNTINGS

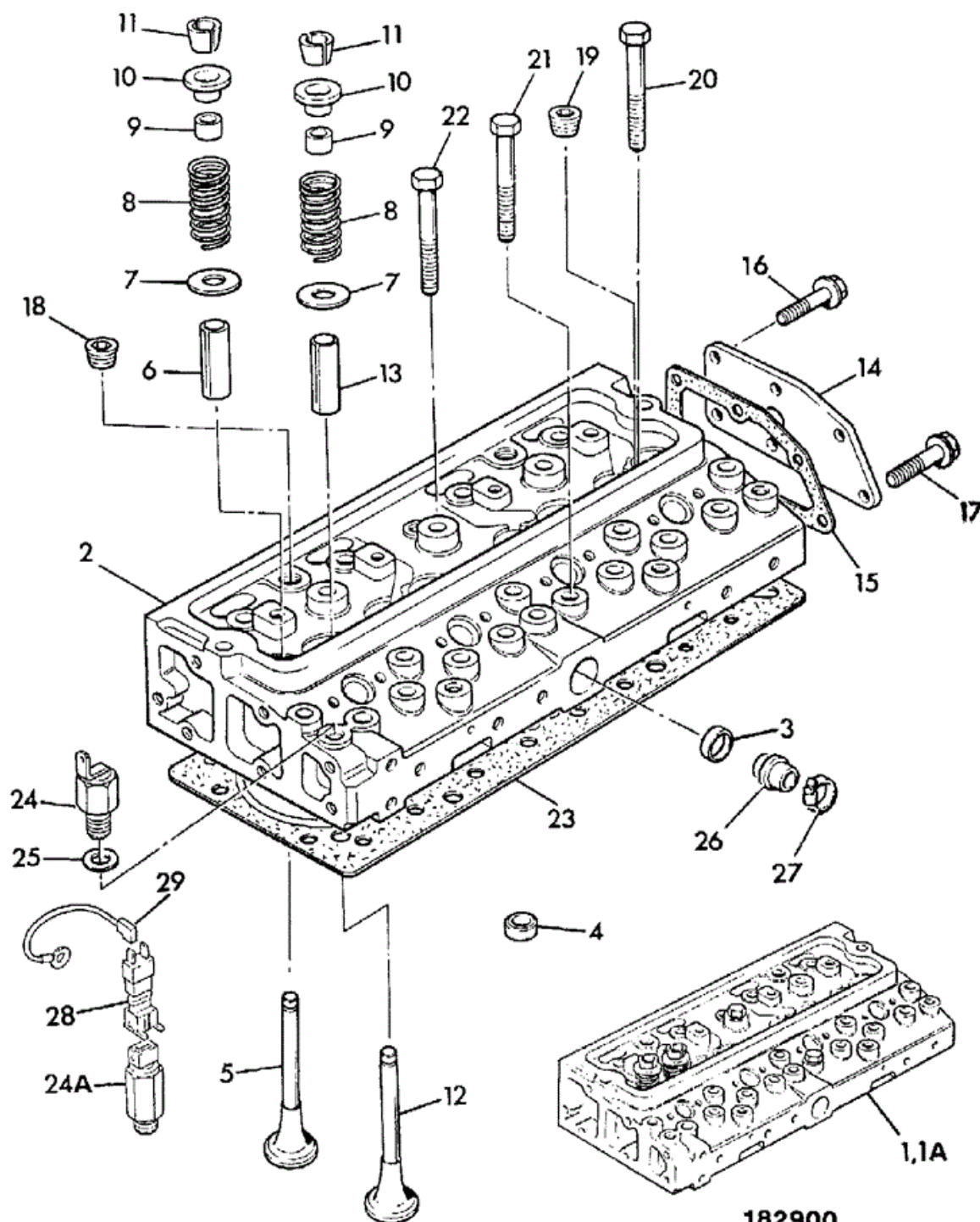


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Item	Part #	Change No	Description	Usage Code	QTY
1	157/12500	Superseded	Bracket mounting, left hand		1
1	157/91100	Superseded	Bracket mounting, left hand		1
1	159/69631		Bracket engine mounting left hand		1
2	157/12600	Superseded	Bracket mounting, right hand		1
2	157/91000	Superseded	Bracket mounting, right hand		1
2	159/69632		Bracket engine mounting right hand		1
3	1315/3716Z		Bolt M16 x 70mm		2
4	1315/0710Z		Setscrew		2
5	1370/0603Z		Nut lock M16		2
6	1305/3424Z		Bolt 1/2" x 3.1/4" long		2
7	111/15709		Washer		4
8	111/30101		Mounting metalastik		2
9	1340/0403Z		Nut lock		2



9802/7800 N2-1-1 CYLINDER HEAD AA BUILD



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