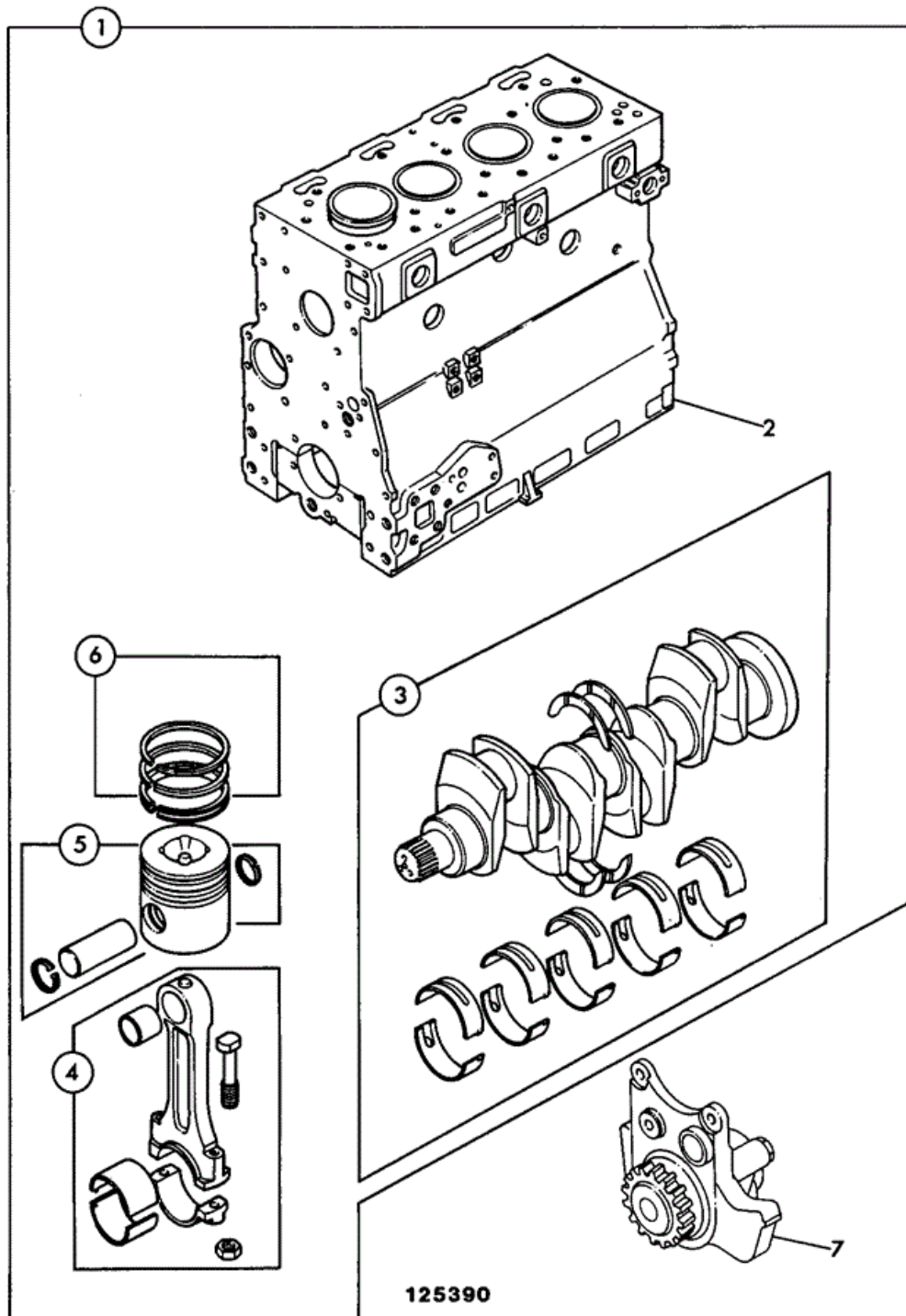




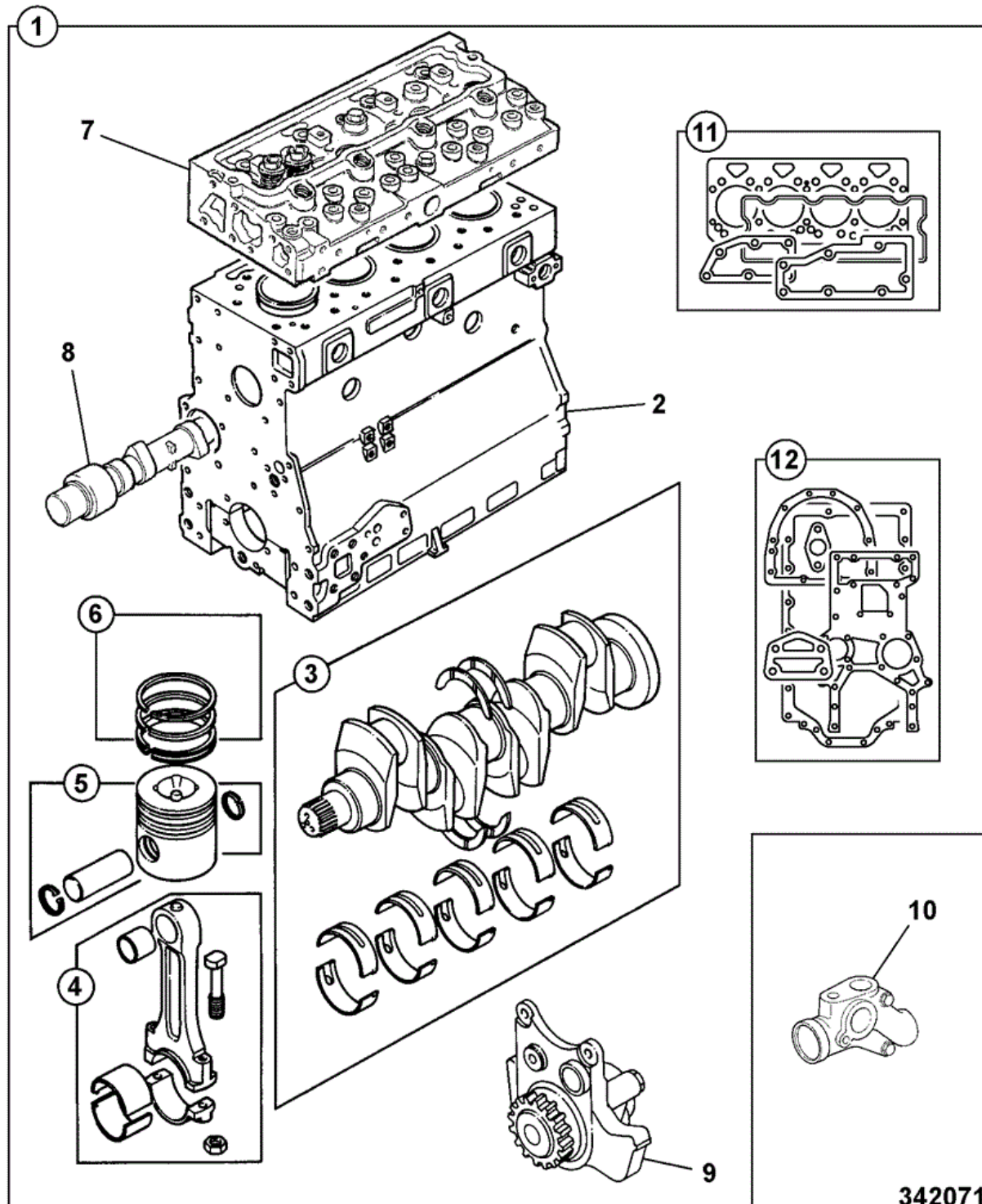
9802/7850 P1-2-2 ENGINE, SHORT AK BUILDS



Item	Part #	Change No	Description	Usage Code	QTY
1	02/201860		Engine short turbo		1
2	****		'See Remark' <i>See frame P1-3-2, Block assembly</i>		1
3	****		'See Remark' <i>See frame P1-4-2, Crankshaft assembly</i>		1
4	****		'See Remark' <i>See frame P1-4-2, Con-rod assembly</i>		4
5	****		'See Remark' <i>See frame P1-4-2, Piston assembly</i>		4
6	****		'See Remark' <i>See frame P1-4-2, Piston ring kit</i>		4
7	****		'See Remark' <i>See frame P5-2-2, Oil pump</i>		1



9802/7850 P1-2-3 ENGINE, LONG AR BUILD



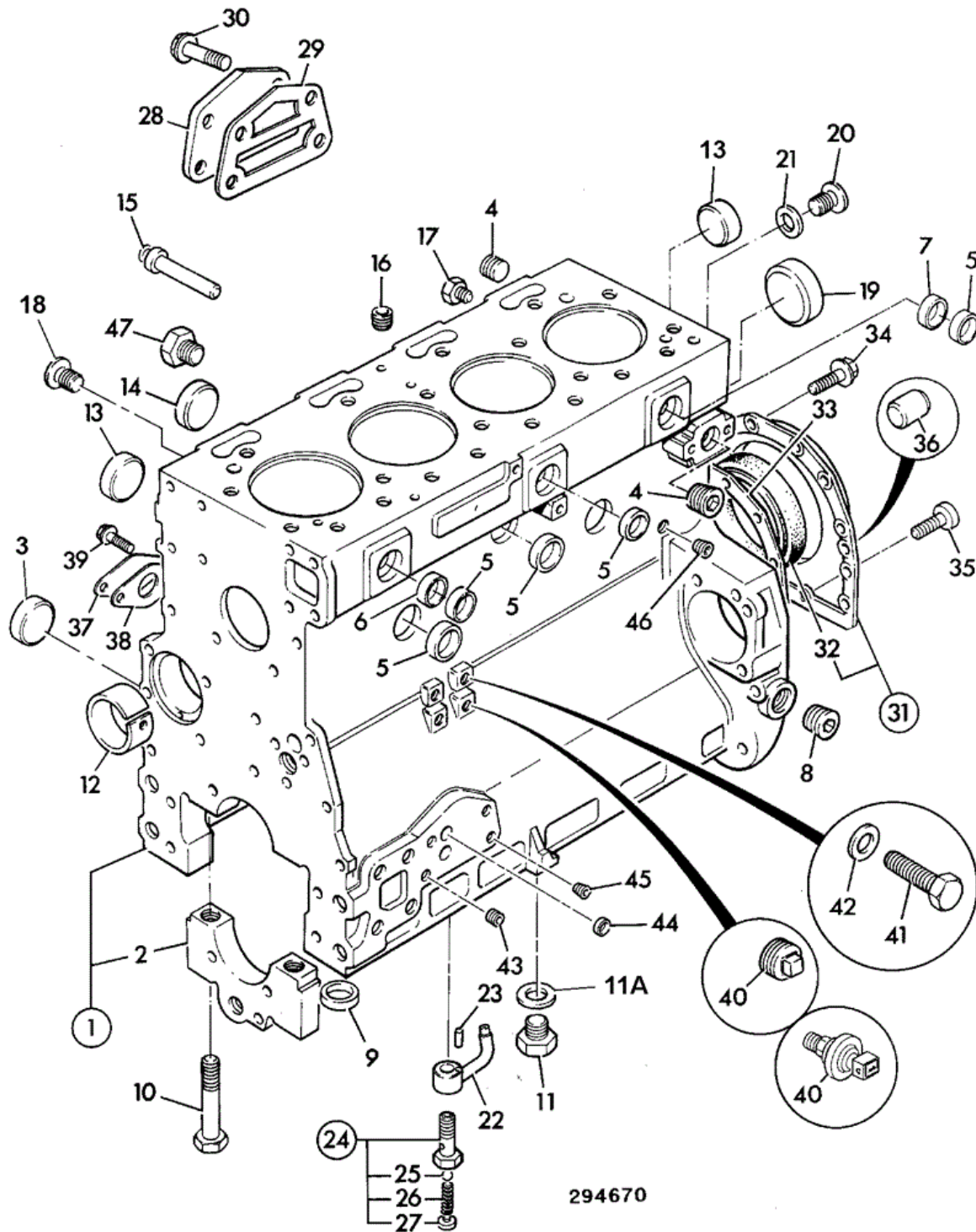
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Item	Part #	Change No	Description	Usage Code	QTY
1	02/202541		Motor long		1
2	****	<EU176356H	'See Remark' <i>See frame P1-3-1, Block Assembly</i>		1

2	****	>EU176357H	'See Remark' <i>See frame P1-3-3, Block Assembly</i>		1
3	****	<EU558115K	'See Remark' <i>See frame P1-4-1, Crankshaft assembly</i>		1
3	****	>EU558116K	'See Remark' <i>See frame P1-4-3, Crankshaft assembly</i>		4
4	****	<EU558115K	'See Remark' <i>See frame P1-4-1, Con-rod assembly</i>		4
4	****	>EU558116K	'See Remark' <i>See frame P1-4-3, Con-rod assembly</i>		4
5	****	<EU558115K	'See Remark' <i>See frame P1-4-1, Piston assembly</i>		4
5	****	>EU558116K	'See Remark' <i>See frame P1-4-3, Piston assembly</i>		4
6	****	<EU558115K	'See Remark' <i>See frame P1-4-1, Piston ring kit</i>		4
6	****	>EU558116K	'See Remark' <i>See frame P1-4-3, Piston ring kit</i>		4
7	****		'See Remark' <i>See frame P2-1-1, Cylinder head</i>		1
8	****		'See Remark' <i>See frame P1-6-1, Timing case</i>		1
9	****		'See Remark' <i>See frame P5-2-1, Oil pump</i>		1
10	****		'See Remark' <i>See frame P5-2-1 Oil relief valve</i>		1
11	****		'See Remark' <i>See frame P8-1-1, Gasket set top</i>		1
12	****		'See Remark' <i>See frame P8-2-1, Gasket set bottom</i>		1



9802/7850 P1-3-1 BLOCK ASSEMBLY AR BUILD

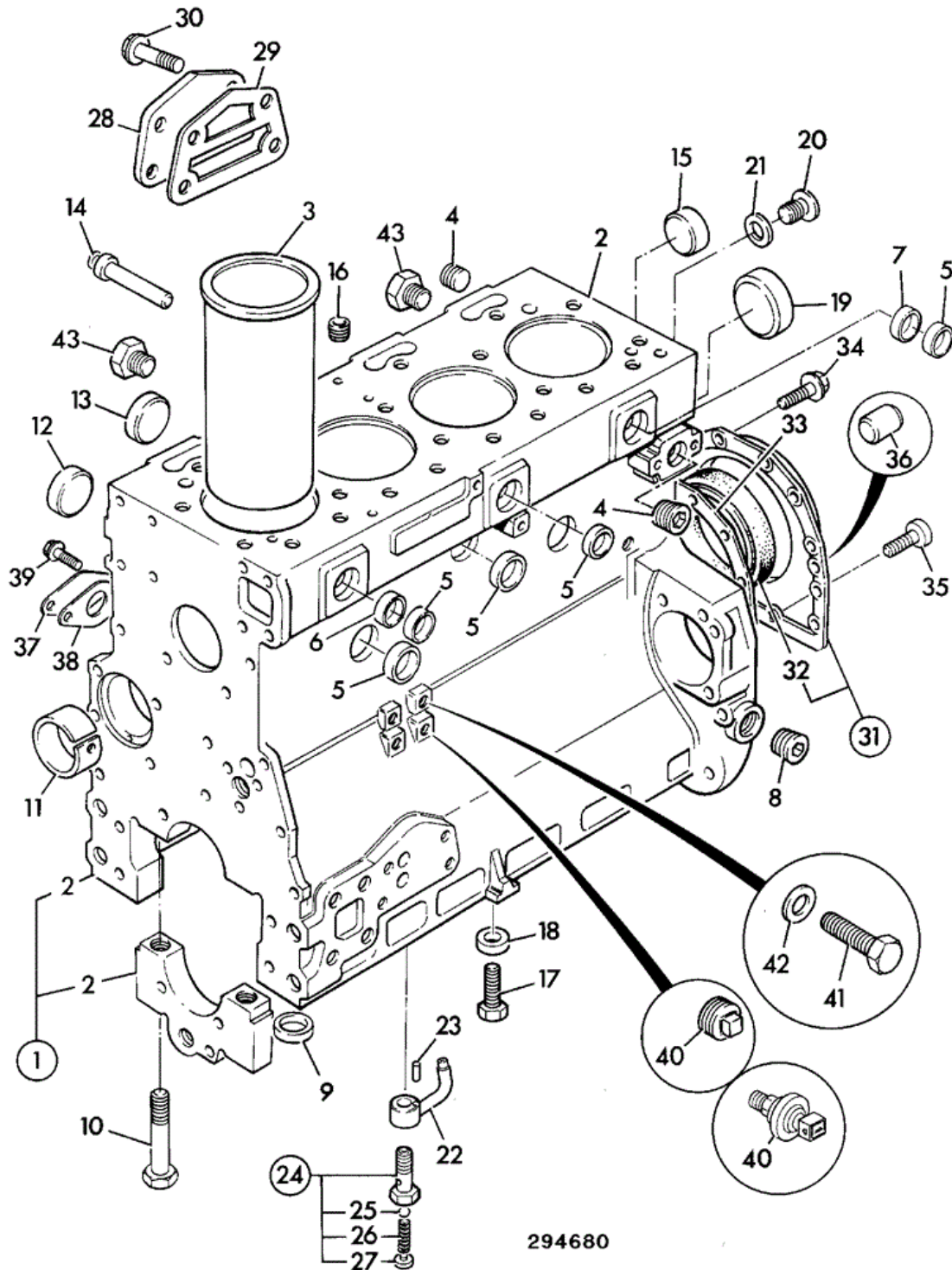


Item	Part #	Change No	Description	Usage Code	QTY
1	02/201801		Block cylinder assembly		1
2	****		None serviced part <i>Block</i>		1

3	****		None serviced part <i>Bearing cap</i>	5
4	:02/100134		Plug	2
5	:02/100396		Plug core D=32mm	6
6	:02/201802		Plug	1
7	****		'See Remark' <i>Not fitted or required</i>	0
8	:02/100134		Plug	1
9	:02/100101		Thimble	10
10	:02/100102		Bolt	10
11	:02/201803		Plug	3
12	:02/192094		Bush camshaft	1
13	:02/200454		Plug core D=38mm	4
14	:02/201361		Plug core D=38mm	4
15	:02/101827		Plug	1
16	:02/100108		Plug	1
17	:02/100132		Plug drain	1
18	02/200454		Plug core D=38mm	2
19	:02/201362		Plug core D=50mm	1
20	:02/200827		Plug	1
21	:02/200828		Washer	1
22	:02/201734		Jet piston cooling	1
23	:02/201731		Pin roll	1
24	::02/101898		Valve	1
25	::02/200099		Ball	1
26	::02/200098		Spring	1
27	::02/200097		Retainer	1
28	:02/200826		Plate	1
29	:02/200484		Gasket	1
30	:02/291042		Bolt	4
31	:02/200958		Housing rear seal	1
32	:02/101436		Seal rear oil	1
33	02/201092		Gasket rear seal housing	1
34	826/00869		Screw flange head	12
35	02/291185		Capscrew	2
36	02/100308		Dowel	2
37	02/200004		Plate	1
38	02/200475		Gasket	1
39	02/291031		Bolt	2
40	701/41500	Superseded	Switch oil pressure	1
40	701/80225		Switch oil pressure 1/8" NPTF,AMP	1
41	1315/0402Z		Setscrew	1
42	823/00273		Washer	1
43	02/201364		Plug parallel threaded	2
44	02/201363		Plug core D=14mm	1
45	02/100409		Plug taper threaded	1
46	02/100134		Plug	1
47	02/100132		Plug drain	1



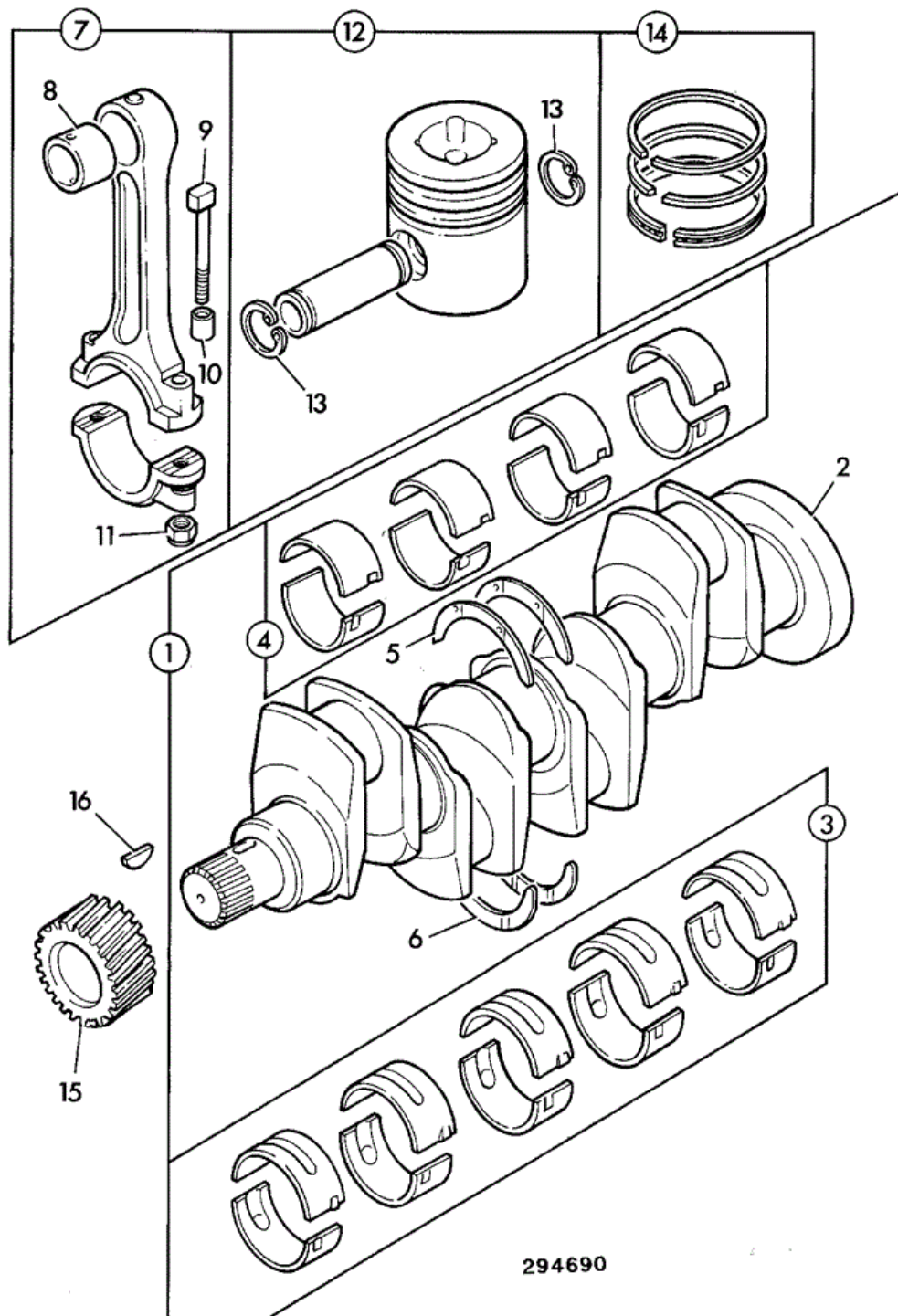
9802/7850 P1-3-2 BLOCK ASSEMBLY AK BUILD



Item	Part #	Change No	Description	Usage Code	QTY
1	02/201660		Block cylinder assembly		1
2	****		None serviced part <i>Block & Bearing Cap</i>		1

3	:02/201141		Liner press-fit	4
3	02/201142		Liner slip-fit	0
3	02/202226		Liner cylinder oversize - 0.010"	0
4	:02/100134		Plug	2
5	:02/100396		Plug core D=32mm	6
6	:02/201304		Plug	1
7	:02/200003		Plug core" D=26mm	1
8	:02/100134		Plug	1
9	:02/100101		Thimble	10
10	:02/100102		Bolt	10
11	:02/192094		Bush camshaft	1
12	:02/200454		Plug core D=38mm	4
13	:02/201361		Plug core D=38mm	3
14	:02/101827		Plug	1
15	:02/200454		Plug core D=38mm	2
16	:02/100108		Plug	1
17	:02/101756		Plug	4
18	:823/00287		Washer spacer	4
19	:02/201362		Plug core D=50mm	1
20	:02/100111		Plug	1
21	:02/200828		Washer	1
22	:02/201734		Jet piston cooling	1
23	:02/201731		Pin roll	1
24	::02/101898		Valve	1
25	::02/200099		Ball	1
26	::02/200098		Spring	1
27	::02/200097		Retainer	1
28	:02/200826		Plate	1
29	:02/200484		Gasket	1
30	:02/291042		Bolt	4
31	:02/200958		Housing rear seal	1
32	:02/101436		Seal rear oil	1
33	02/201092		Gasket rear seal housing	1
34	826/00869		Screw flange head	12
35	02/291185		Capscrew	2
36	02/100308		Dowel	2
37	02/200004		Plate	1
38	02/200475		Gasket	1
39	02/291031		Bolt	2
40	701/41500	Superseded	Switch oil pressure	1
40	701/80225		Switch oil pressure 1/8" NPTF,AMP	1
41	1315/0402Z		Setscrew	1
42	823/00273		Washer	1
43	02/100132		Plug drain	1

JCB 9802/7850 P1-4-1 CRANKSHAFT, BEARINGS PISTONS & CON-RODS AR BUILD

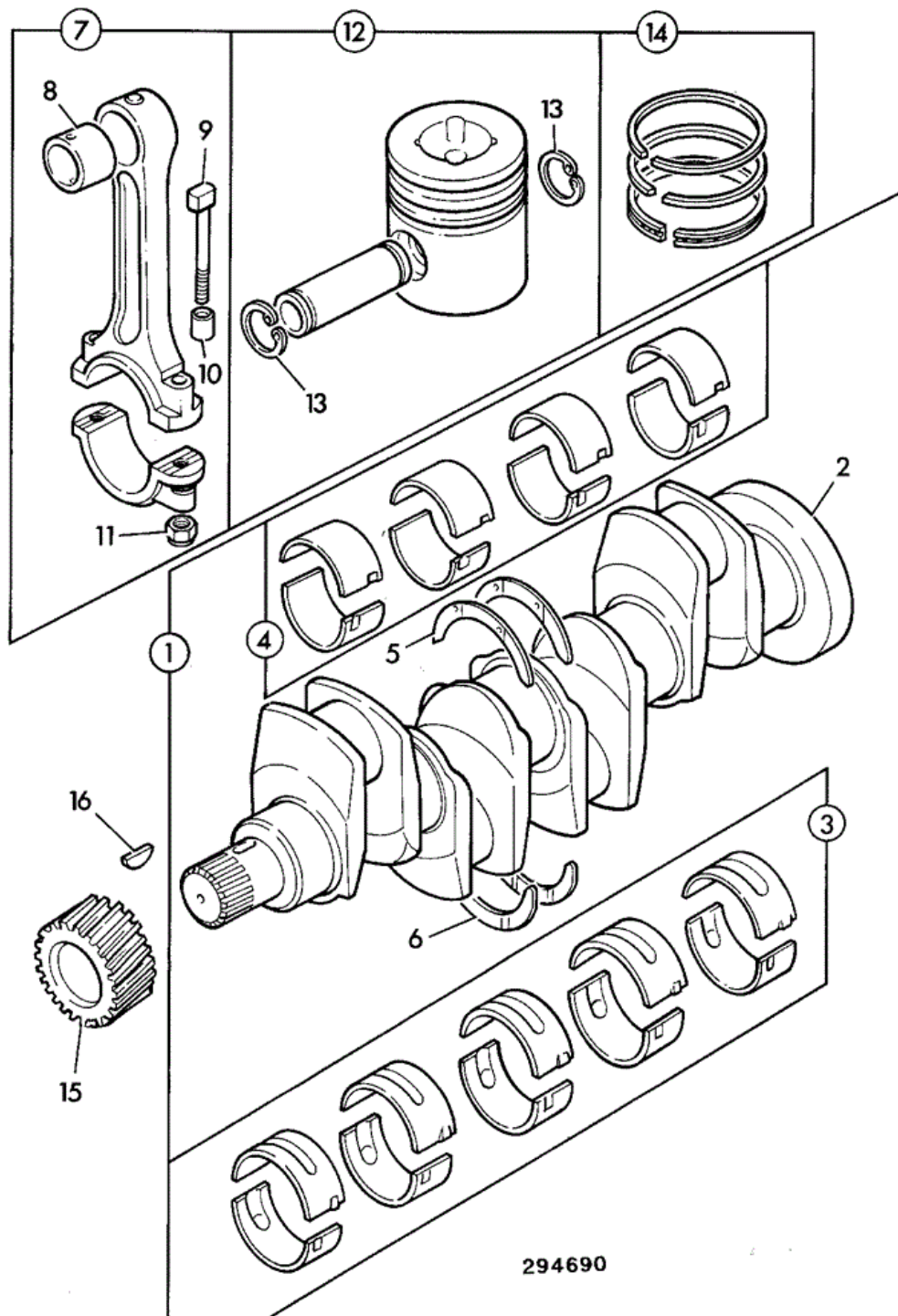


Item	Part #	Change No	Description	Usage Code	QTY
1	02/200915		Crankshaft assembly		1

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	:02/192085		Kit-bearing 4 Pairs Standard	1
4	02/192086		Kit-bearing 4 Pairs Undersize - .010inch	1
4	02/192087		Kit-bearing 4 Pairs Undersize - 0.20inch	1
4	02/192088		Kit-bearing 4 Pairs Undersize - 0.30inch	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	02/201972		Rod connecting grade 'H' <i>See Note 1</i>	0
7	02/201973		Rod connecting grade 'J' <i>See Note 1</i>	0
7	02/201974		Rod connecting grade 'K' <i>See Note 1</i>	0
7	02/201975		Rod connecting grade 'L' <i>See Note 1</i>	0
8	:02/192095		Bush small end	1
9	:02/291072		Bolt	2
10	:02/201808		Thimble	2
11	:02/100128		Nut	2
12	02/201805		Piston assembly	4
12A	02/201790		Piston assembly oversize - +0.5mm	0
12B	02/201792		Piston assembly oversize - +1.00mm	0
13	:02/201151		Circlip	2
14	02/201804		Kit-piston ring	4
14A	02/201791		Kit-piston ring oversize - +0.5mm	0
14B	02/201793		Kit-piston ring oversize - +1.00mm	0
15	02/290001		Gear	1
16	02/100038		Key	2

Note 1: TO ENSURE THE CORRECT GRADE IS FITTED, REFER TO SERVICE WORKSHOP MANUAL.

JCB 9802/7850 P1-4-2 CRANKSHAFT, BEARINGS PISTONS & CON-RODS AK BUILDS

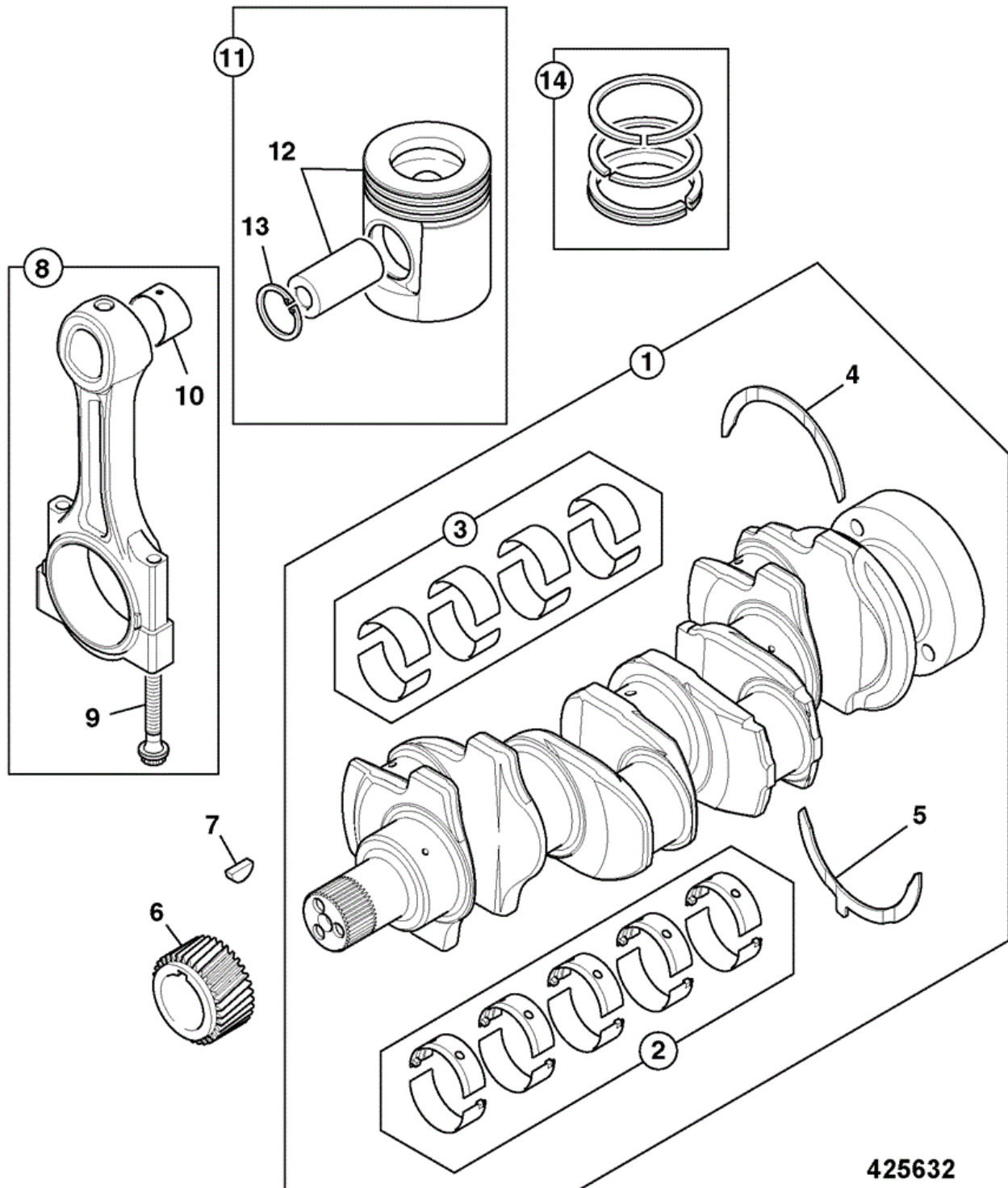


Item	Part #	Change No	Description	Usage Code	QTY
1	02/200915		Crankshaft assembly		1

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	:02/192085		Kit-bearing 4 Pairs Standard		1
4	02/192086		Kit-bearing 4 Pairs Undersize - .010inch		1
4	02/192087		Kit-bearing 4 Pairs Undersize - 0.20inch		1
4	02/192088		Kit-bearing 4 Pairs Undersize - 0.30inch		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	02/201972		Rod connecting grade 'H' <i>See Note 1</i>		0
7	02/201973		Rod connecting grade 'J' <i>See Note 1</i>		0
7	02/201974		Rod connecting grade 'K' <i>See Note 1</i>		0
7	02/201975		Rod connecting grade 'L' <i>See Note 1</i>		0
8	:02/192095		Bush small end		1
9	:02/291072		Bolt		2
10	:02/201808		Thimble		2
11	:02/100128		Nut		2
12	:02/201505		Piston assembly		4
13	:02/201151		Circlip		2
14	02/201504		Kit-piston ring		4
15	02/290001		Gear <i>Gudgeon pin</i>		1
16	02/100038		Key		1

Note 1: TO ENSURE THE CORRECT GRADE IS FITTED, REFER TO SERVICE WORKSHOP MANUAL.

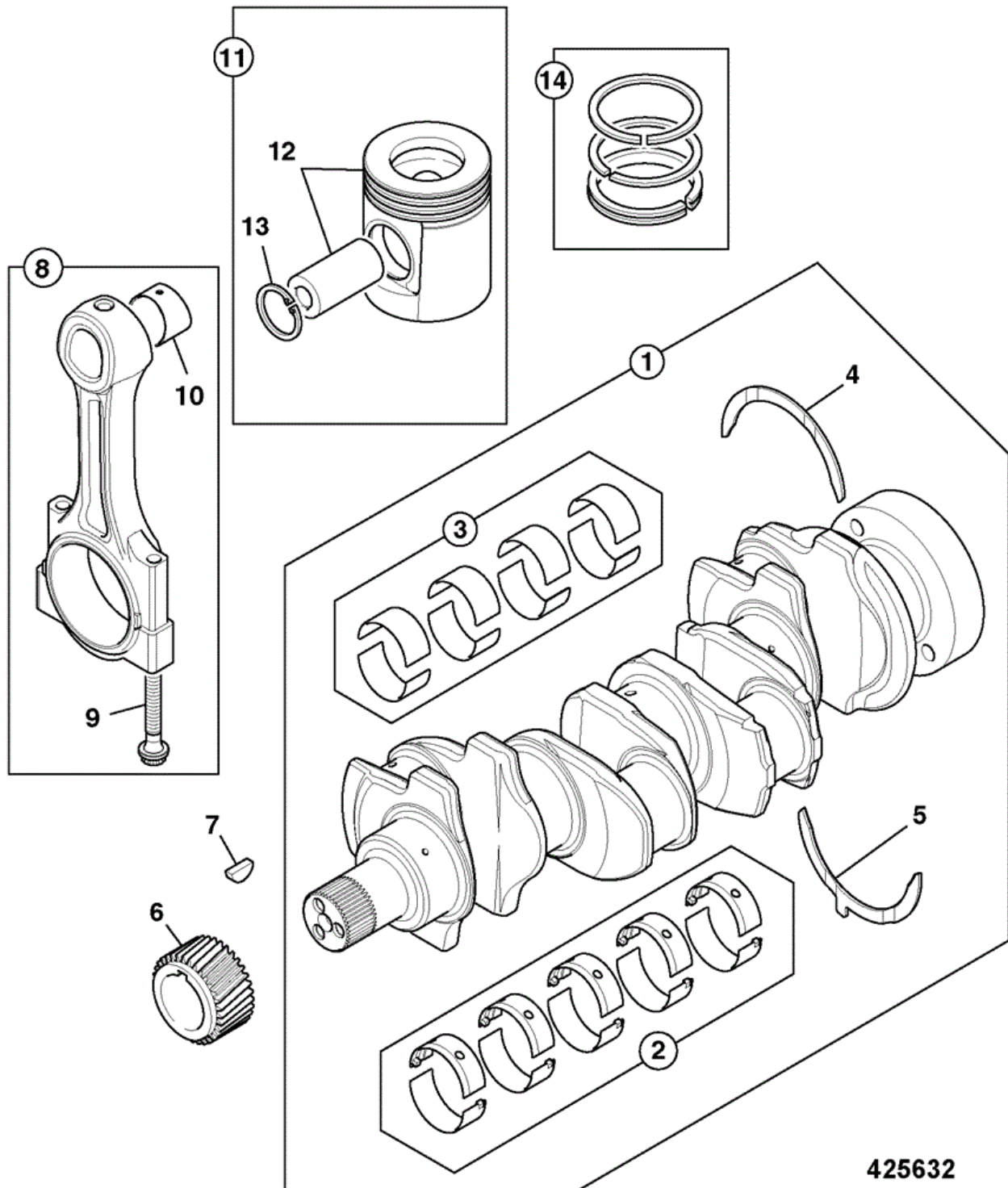
JCB 9802/7850 P1-4-3 CRANKSHAFT, BEARINGS PISTONS & CON-RODS AR BUILD



Item	Part #	Change No	Description	Usage Code	QTY
1	02/202527		Crankshaft assembly		1

2	:02/192002	Kit-bearing Main Standard	1
2	02/192003	Kit-bearing Main Undersize - .010inch	0
2	02/192004	Kit-bearing Main Undersize - .020inch	0
2	02/192005	Kit-bearing Main Undersize - .030inch	0
3	:02/203071	Kit-bearing Big-end Standard	1
3	02/203072	Kit-bearing Big-end undersize - .010inch	0
3	02/203073	Kit-bearing Big-end Undersize - .020inchH	0
3	02/203074	Kit-bearing Big-end Undersize -.030 inch	1
4	:02/192083	Washer thrust top - standard	2
4	02/192011	Washer thrust top-oversize 0.19mm	0
5	:02/192084	Washer thrust bottom - standard	2
5	02/192013	Washer thrust btm-oversize 0.19mm	0
6	02/290001	Gear	1
7	02/100038	Key	1
8	02/202922	Kit-conrod grade 'F' RED	4
8	02/202923	Kit-conrod grade 'G' ORANGE	0
8	02/202924	Kit-conrod grade 'H' WHITE	0
8	02/202925	Kit-conrod grade 'J' GREEN	0
8	02/202926	Kit-conrod grade 'K' PURPLE	0
8	02/202927	Kit-conrod grade 'L' BLUE	0
9	:02/202929	Bolt conrod	2
10	:02/202928	Bush small end	1
11	02/201805	Piston assembly	4
11	02/201790	Piston assembly oversize - +0.5mm	0
11	02/201792	Piston assembly oversize - +1.00mm	0
12	****	None serviced part	1
13	:02/201151	Circlip	2
14	02/201804	Kit-piston ring	1
14	02/201791	Kit-piston ring oversize - +0.5mm	0
14	02/201793	Kit-piston ring oversize - +1.00mm	0

JCB 9802/7850 P1-4-4 CRANKSHAFT, BEARINGS PISTONS & CON-RODS AK BUILD



Item	Part #	Change No	Description	Usage Code	QTY
1	02/202527		Crankshaft assembly		1

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