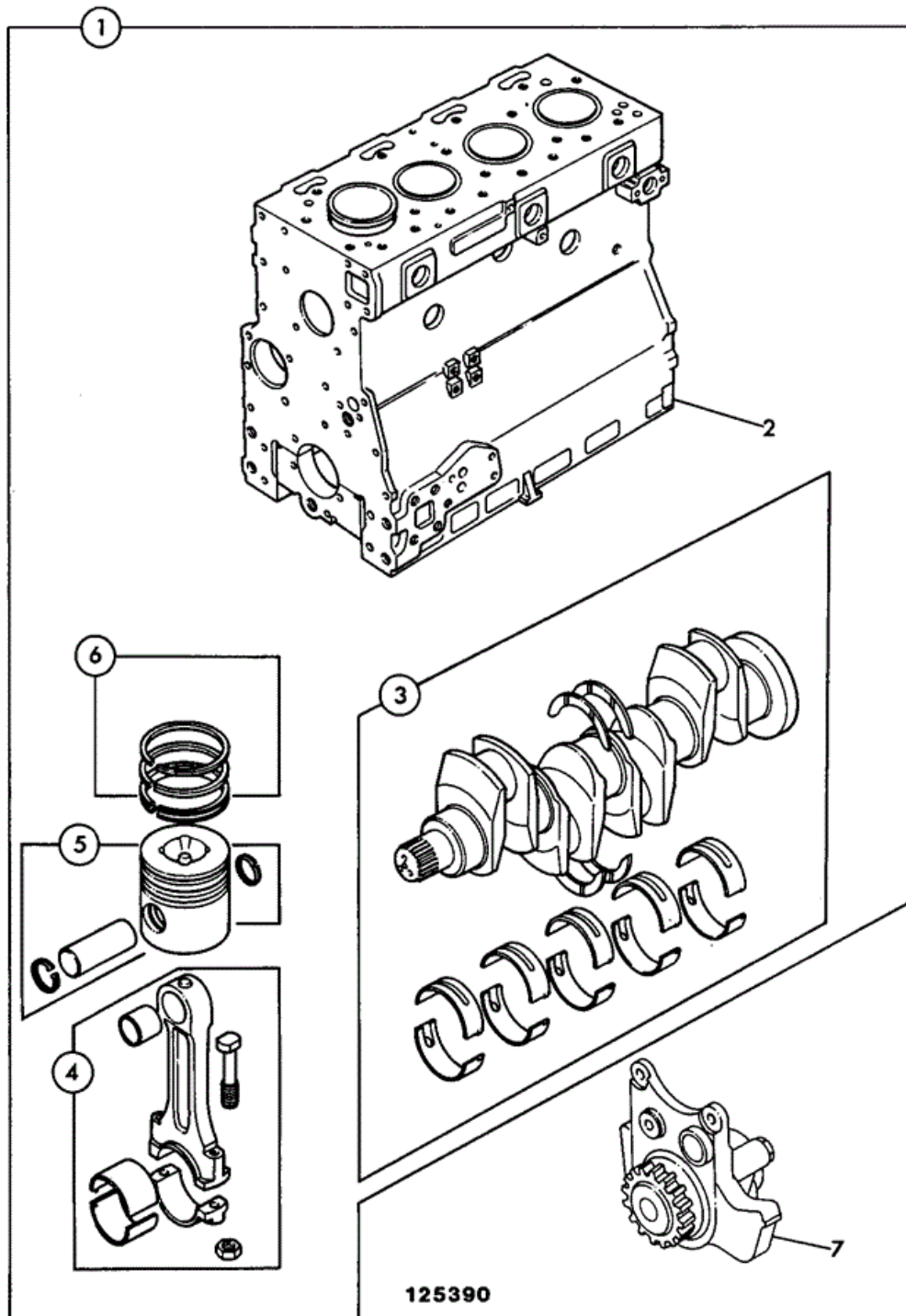




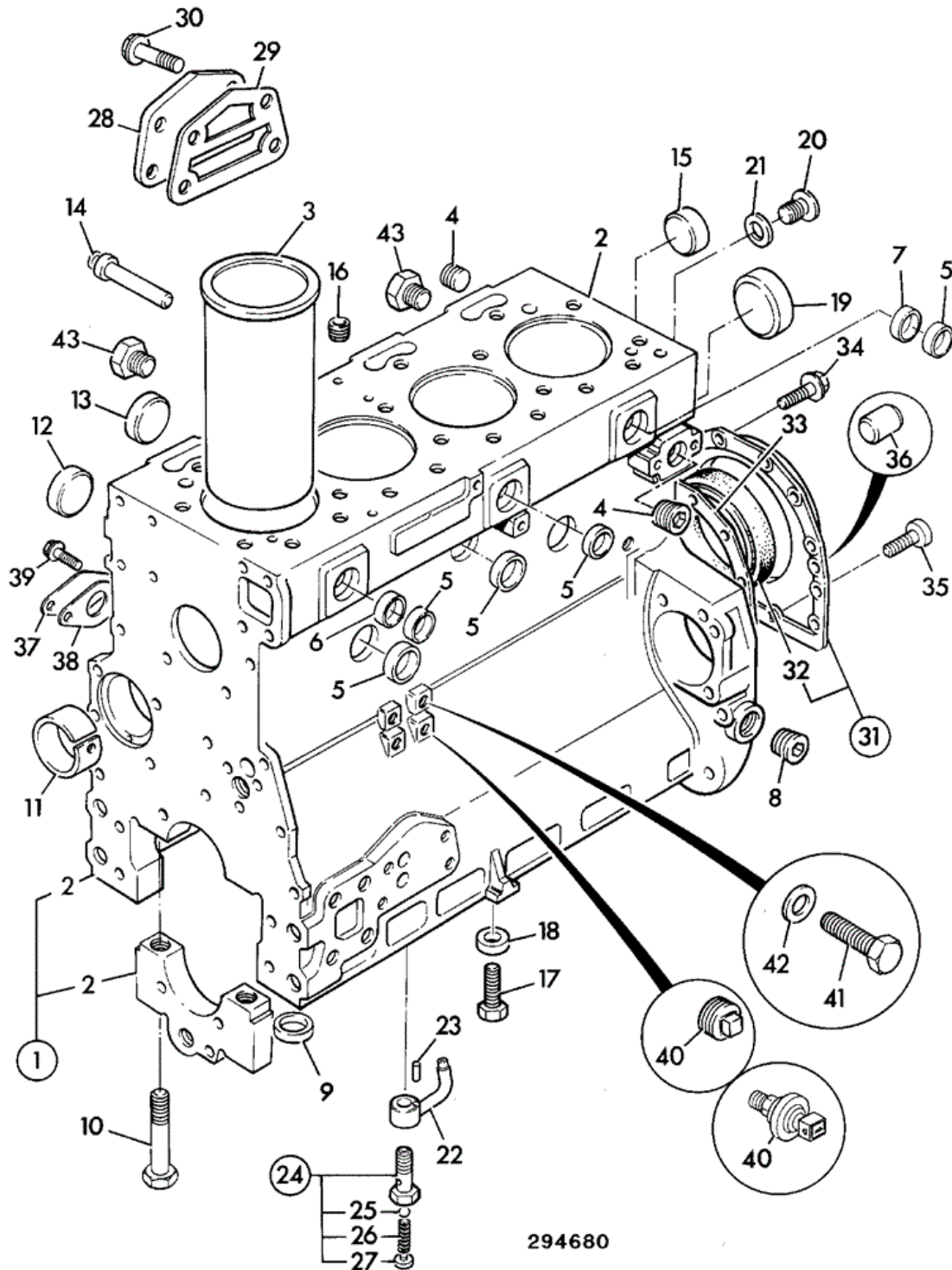
9802/7960 P1-2-1 ENGINE, SHORT AM BUILDS



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



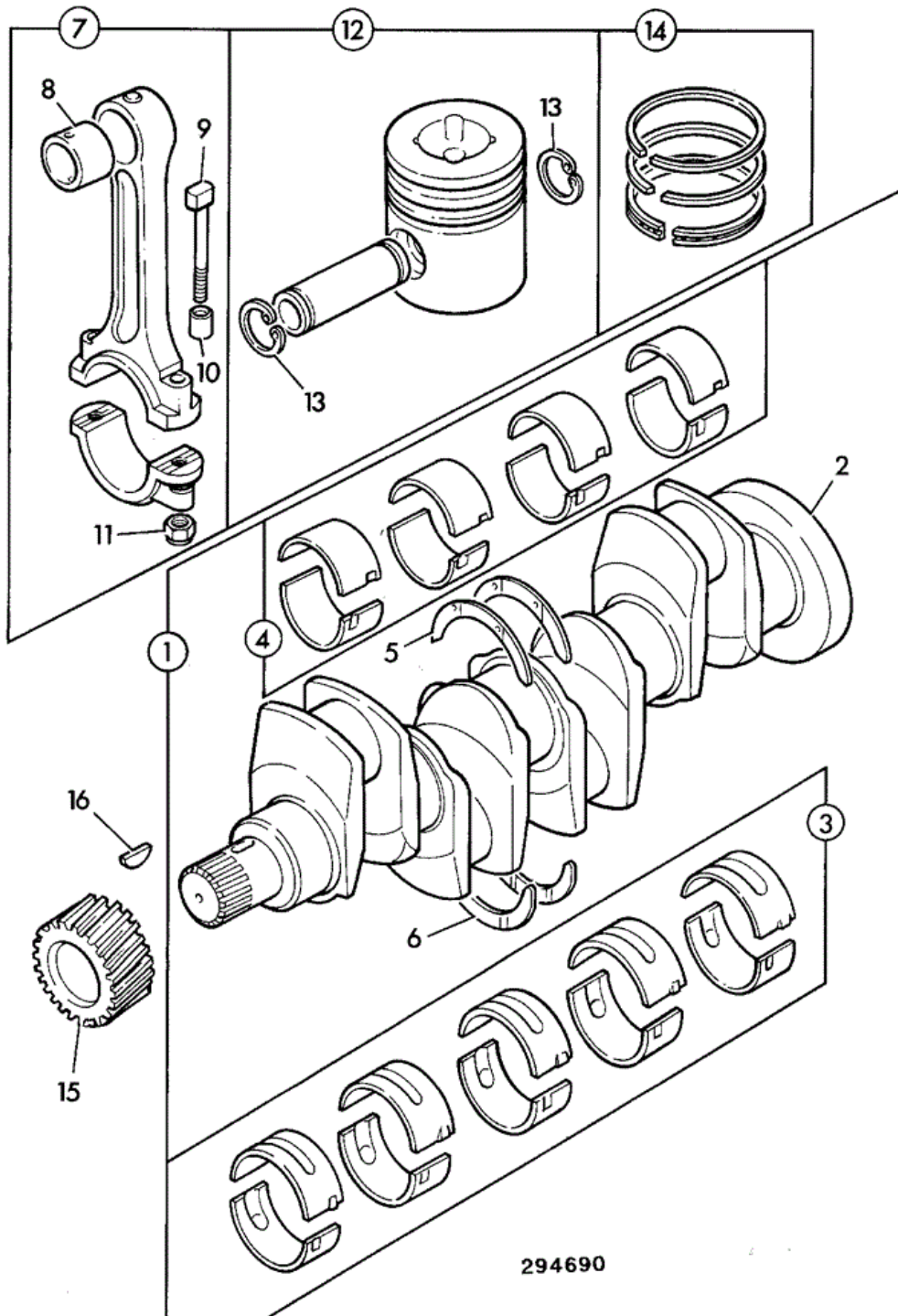
9802/7960 P1-3-1 BLOCK ASSEMBLY AM BUILD



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40	701/41500	Superseded	Switch oil pressure		1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 9802/7960 P1-4-1 CRANKSHAFT, BEARINGS PISTONS & CON-RODS AM BUILDS

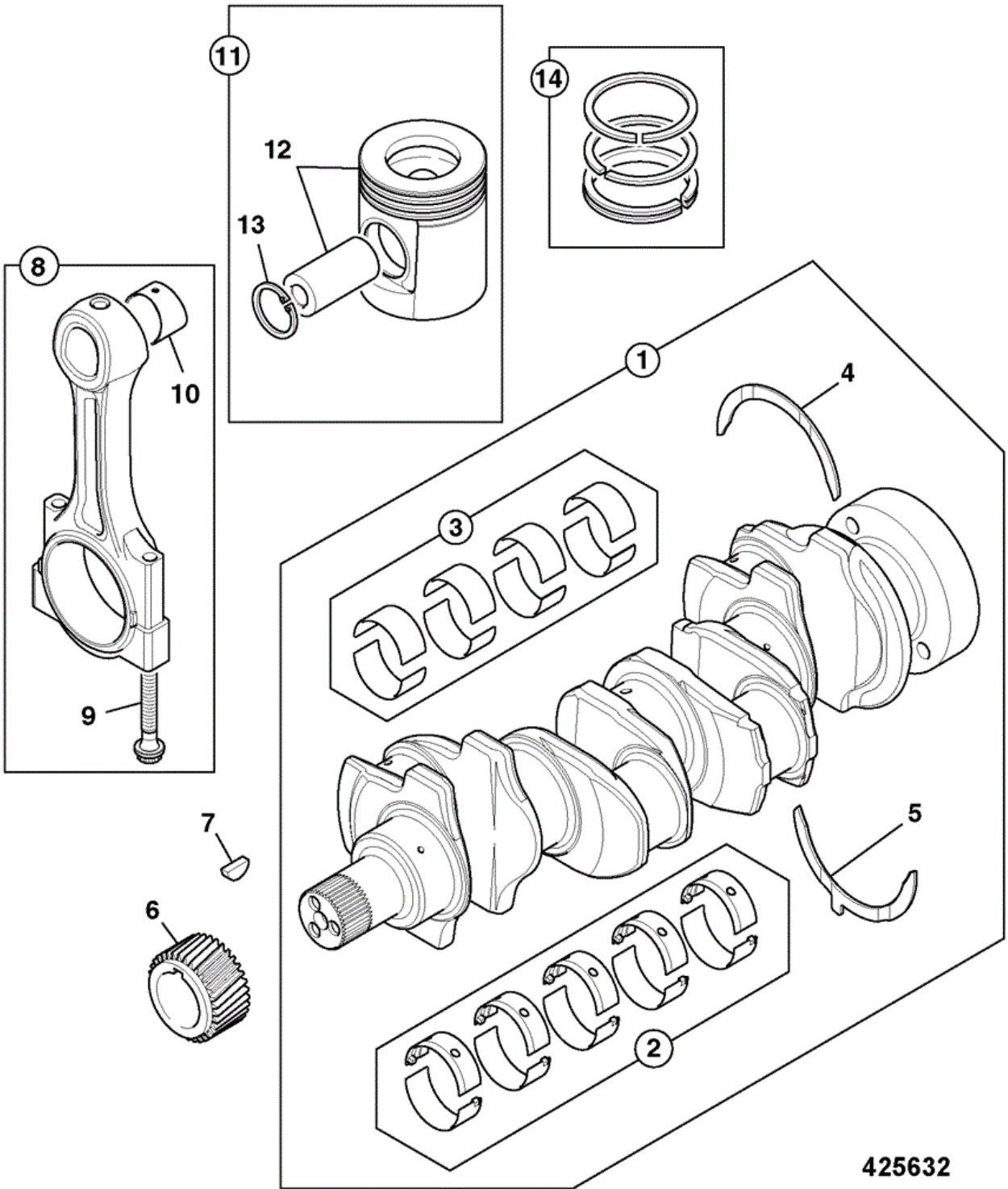


Item	Part #	Change No	Description	Usage Code	QTY
1	02/200915		Crankshaft assembly		1

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'	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

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9802/7960 P1-4-2 CRANKSHAFT, BEARINGS PISTONS & CON-RODS AM BUILDS

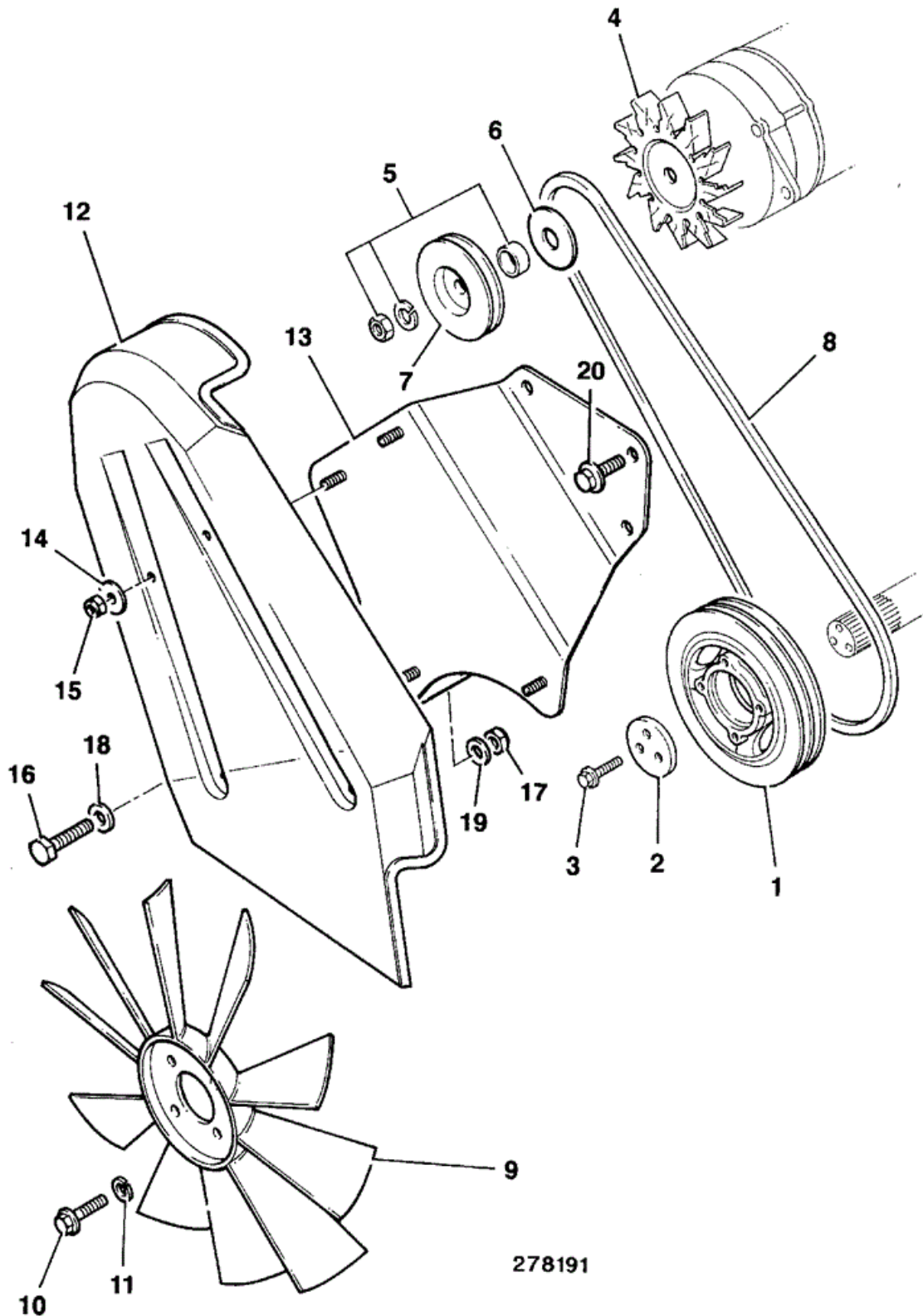


Item	Part #	Change No	Description	Usage Code	QTY
1	02/202527		Crankshaft assembly		1

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	:02/202915	Kit-big end bearing standard	1
3	02/202916	Kit-big end bearing oversize - (+)0.010"	0
3	02/202917	Kit-big end bearing u/s 0.50mm	0
3	02/202918	Kit-big end bearing oversize - (+)0.030"	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	02/201505	Piston assembly	4
12	****	None serviced part	1
13	:02/201151	Circlip	2
14	02/201504	Kit-piston ring	1



9802/7960 P1-5-1 FANS, PULLEYS & FAN BELT

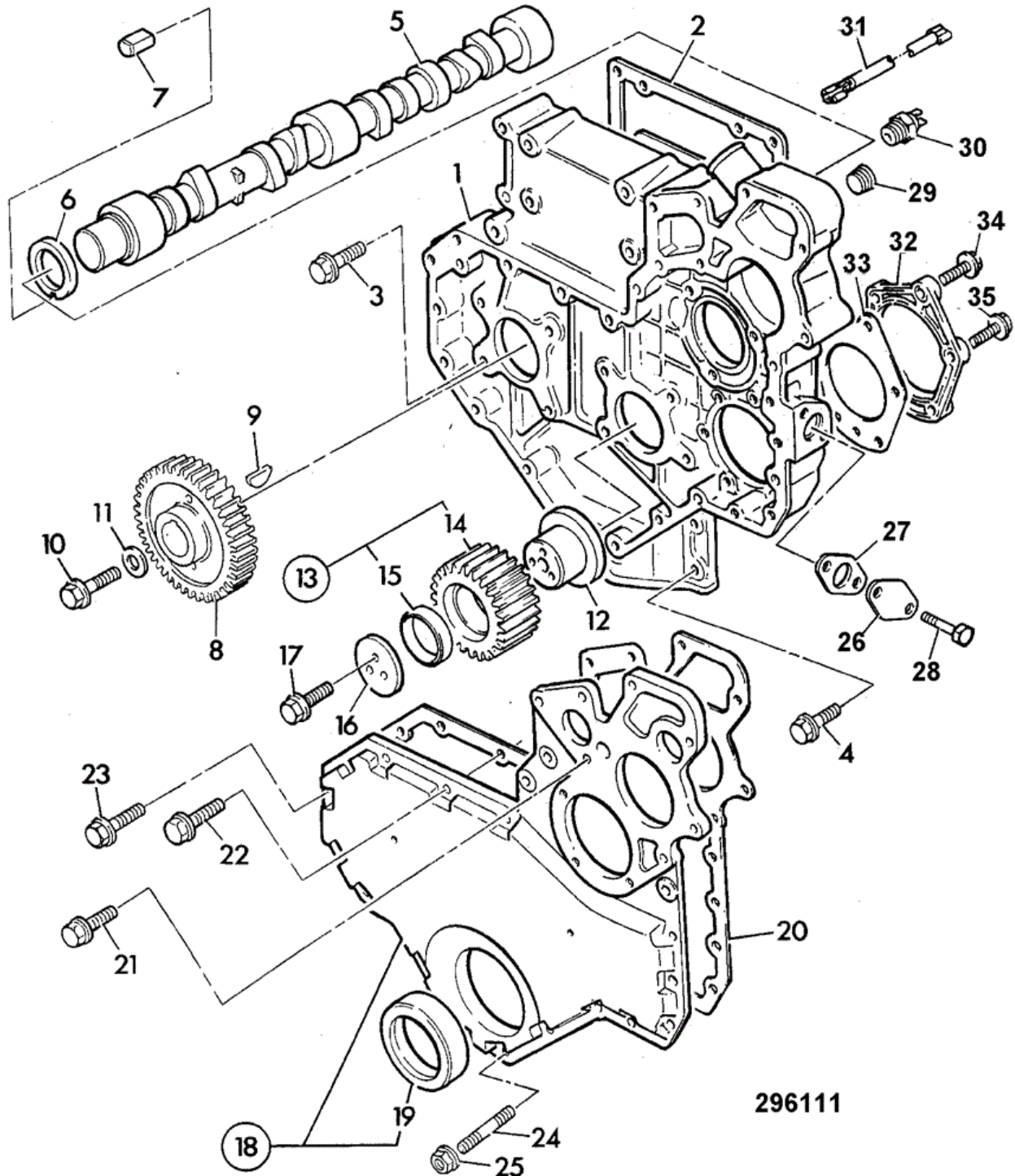


Item	Part #	Change No	Description	Usage Code	QTY
1	02/200018		Pulley crankshaft twin groove		1
2	02/200017		Block Thrust		1
3	02/100579		Screw		3
4	714/10812		Fan alternator		1
5	714/20405		Kit-sundry parts		1
6	714/16711		Washer fan support <i>Sealed Alternator option only</i>		1
7	02/200212		Pulley alternator D=86mm single groove <i>65AMP ALTERNATOR ONLY</i>		1
7	02/201346		Pulley alternator D=73mm single groove <i>85AMP ALTERNATOR ONLY</i>		1
8	02/201910		Belt fan, pair		1
9	262/74600	<M784943	Fan cooling, 22" puller 10 blade		1
9	30/925525		Fan 22"(558mm) cooling 9 blade <i>See Note 1</i>		1
9A	331/52882		Plate fan hub spreader		1
10	1305/0105Z		Bolt		4
11	1416/0005Z		Washer spring - 5/16" Zinc plated		4
12	162/03237		Cover pulley		1
13	161/00856		Bracket mounting pulley cover		1
14	1411/0001Z		Washer (1/4" Medium)		4
15	1370/0103Z		Nut Self Lock M6		4
16	1315/3716Z		Bolt M16 x 70mm		1
17	1370/0603Z		Nut lock M16		1
18	1412/0007Z		Washer		1
19	1410/0007Z		Washer (5/8" Small)		1

Note 1: When replacing this Fan, Spreader item number 9A must also be fitted.



9802/7960 P1-6-1 TIMING CASE CAMSHAFT & GEARS AM BUILD

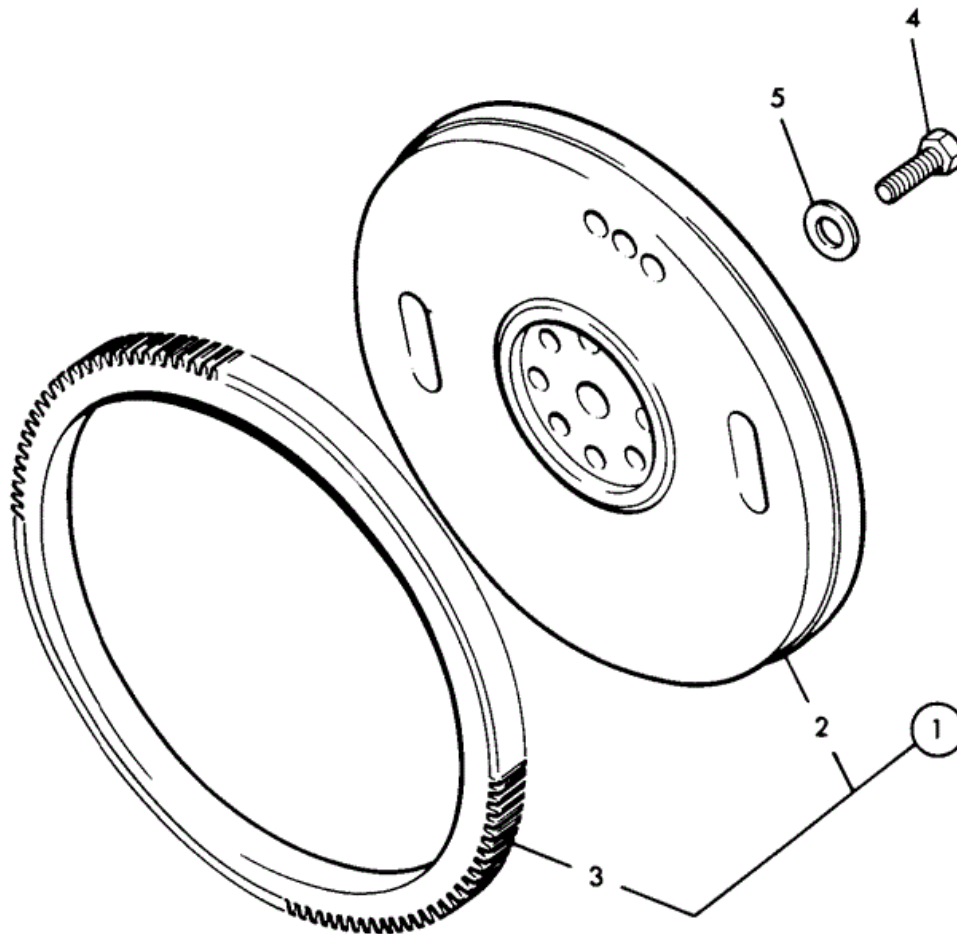


Item	Part #	Change No	Description	Usage Code	QTY
1	02/202237		Case timing single pto		1
2	02/200872		Gasket t/case to block		1

3	826/00869		Screw flange head		8
4	02/291033		Bolt		4
5	02/201668		Camshaft		1
6	02/192046		Washer thrust		1
7	2102/0604		Dowel		1
8	02/190034		Gear camshaft		1
9	02/100038		Key		1
10	02/291196		Screw		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	02/201288		Plate		1
17	02/291073		Screw		3
18	02/201198		Cover Cover, timing		1
19	:02/101435		Seal front oil		1
20	02/201721		Gasket timing cover		1
21	02/291026		Bolt		6
22	02/291018		Bolt		6
23	02/291017		Screw		1
24	02/291051		Stud		2
25	02/291058		Nut flanged M8		2
26	02/200313		Plate blanking		1
27	02/201255		Gasket		1
28	826/00869		Screw flange head		2
29	02/100095		Plug taper		1
30	701/60014		Sender cold start		1
31	721/00447		Lead waxtat cold start		1
32	02/201556		Plate cover		1
33	02/200035		Gasket		1
34	02/291220		Screw		5
35	826/00901		Screw		1



9802/7960 P1-7-1 FLYWHEEL & HOUSING

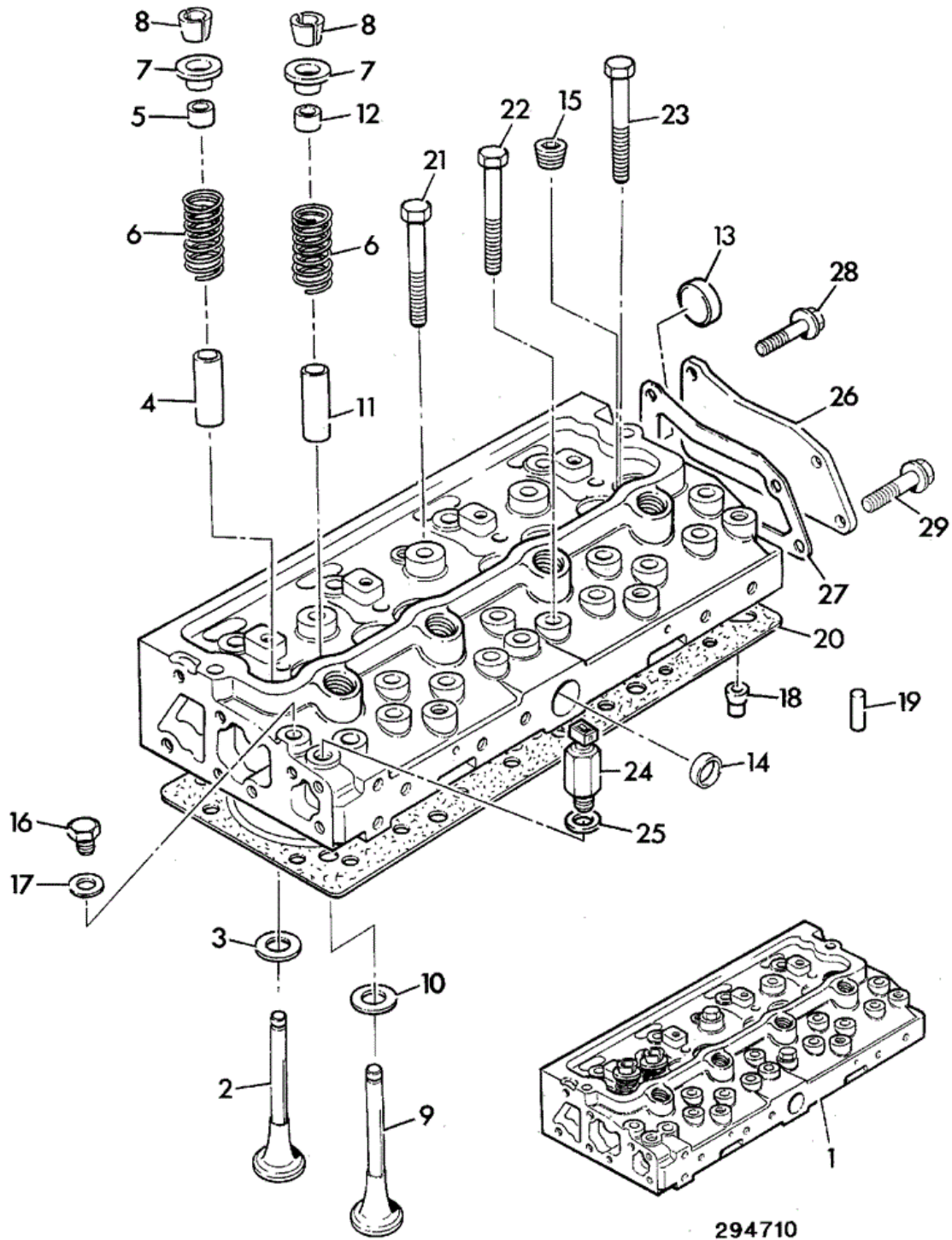


105250

Item	Part #	Change No	Description	Usage Code	QTY
1	02/201408		Flywheel assembly		1
2	****		None serviced part		1
3	:02/100078		Gear starter ring		1
4	1305/0409		Bolt 1/2UNF		6
5	02/200725		Washer		6



9802/7960 P2-1-1 CYLINDER HEAD AM BUILD



Item	Part #	Change No	Description	Usage Code	QTY
1	02/202065		Head cylinder assembly		1
2	:02/201599		Valve inlet		4
3	:02/201864		Insert inlet valve		4

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