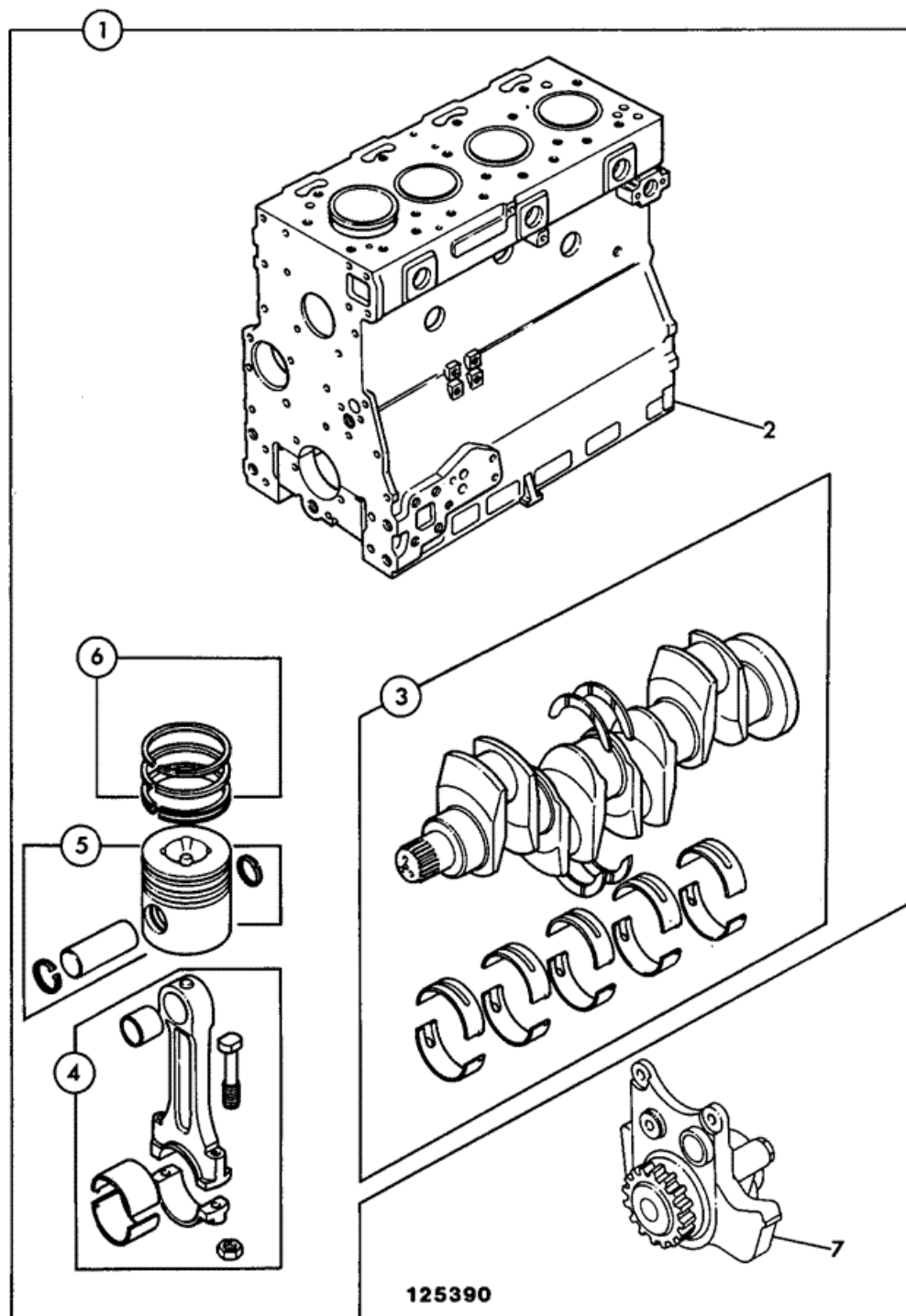




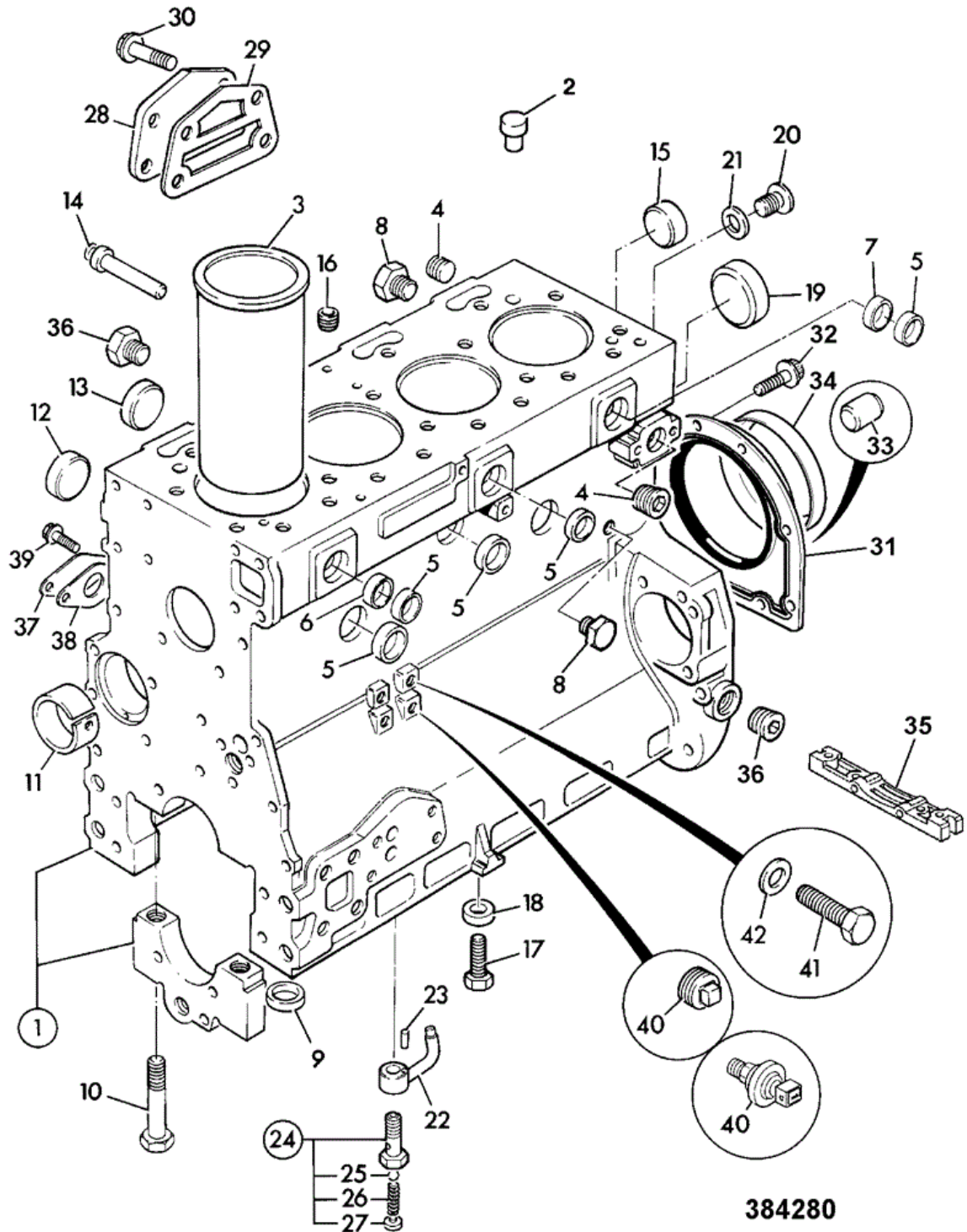
9802/7960 P1-2-1 ENGINE, SHORT AM BUILDS



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



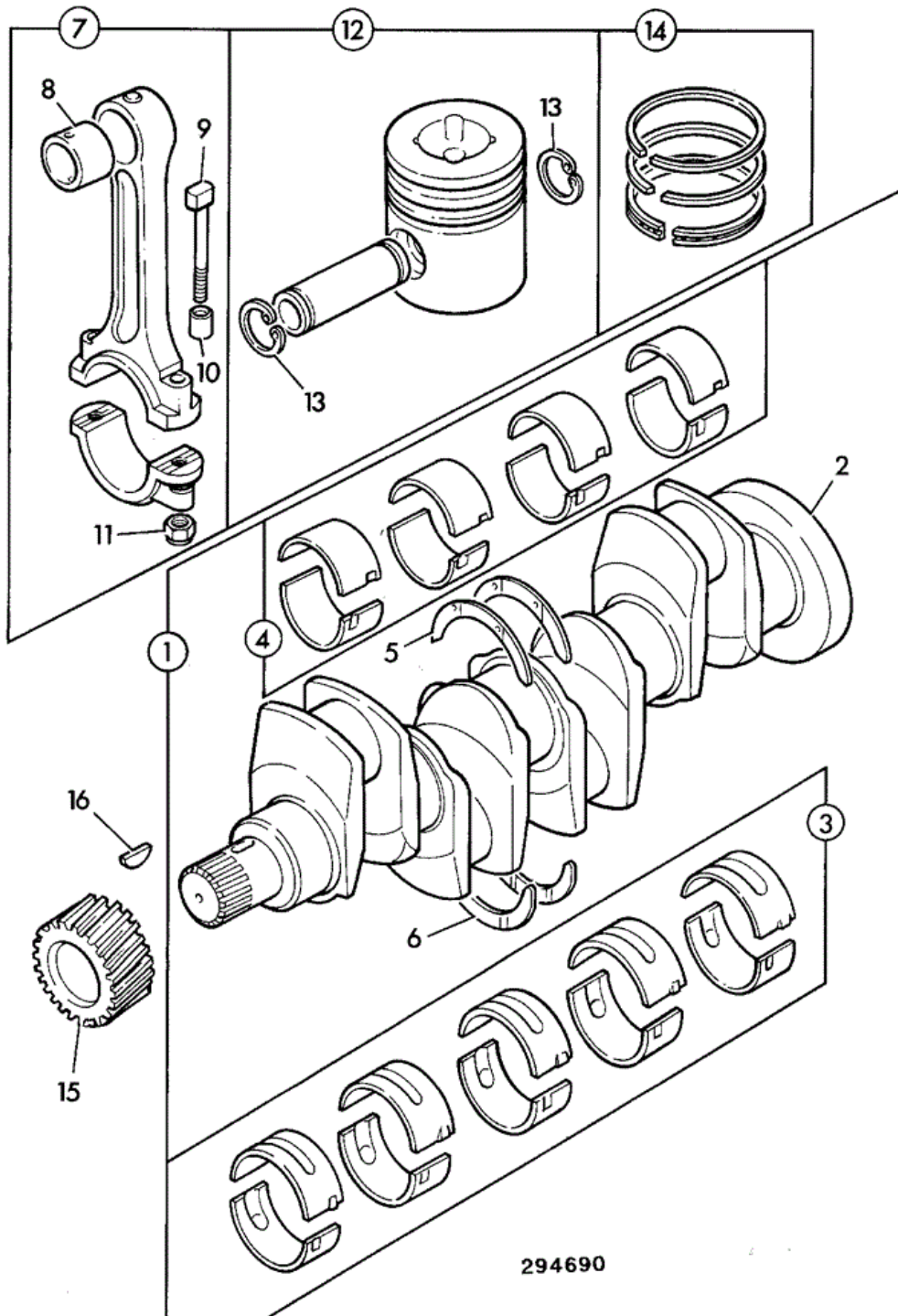
9802/7960 P1-3-2 BLOCK ASSEMBLY AM BUILD



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

3	:02/201141		Liner press-fit	4
3	02/201142		Liner slip-fit	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	:02/200827		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	:02/202370		Housing & rear oil seal assembly	1
32	:826/10721		Bolt torx head drive	10
33	02/100308		Dowel	2
34	02/202422		Sleeve speedy	1
35	02/202369		Piece bridge	1
36	02/100132		Plug drain	1
37	02/200004		Plate	1
38	02/200475		Gasket	1
39	02/291031		Bolt	2
40	701/80225	<M786019	Switch oil pressure 1/8" NPTF,AMP	1
40	701/80327		Switch Engine Oil Pressure	1
41	1315/0402Z		Setscrew	1
42	823/00273		Washer	1

JCB 9802/7960 P1-4-1 CRANKSHAFT, BEARINGS PISTONS & CON-RODS AM BUILDS



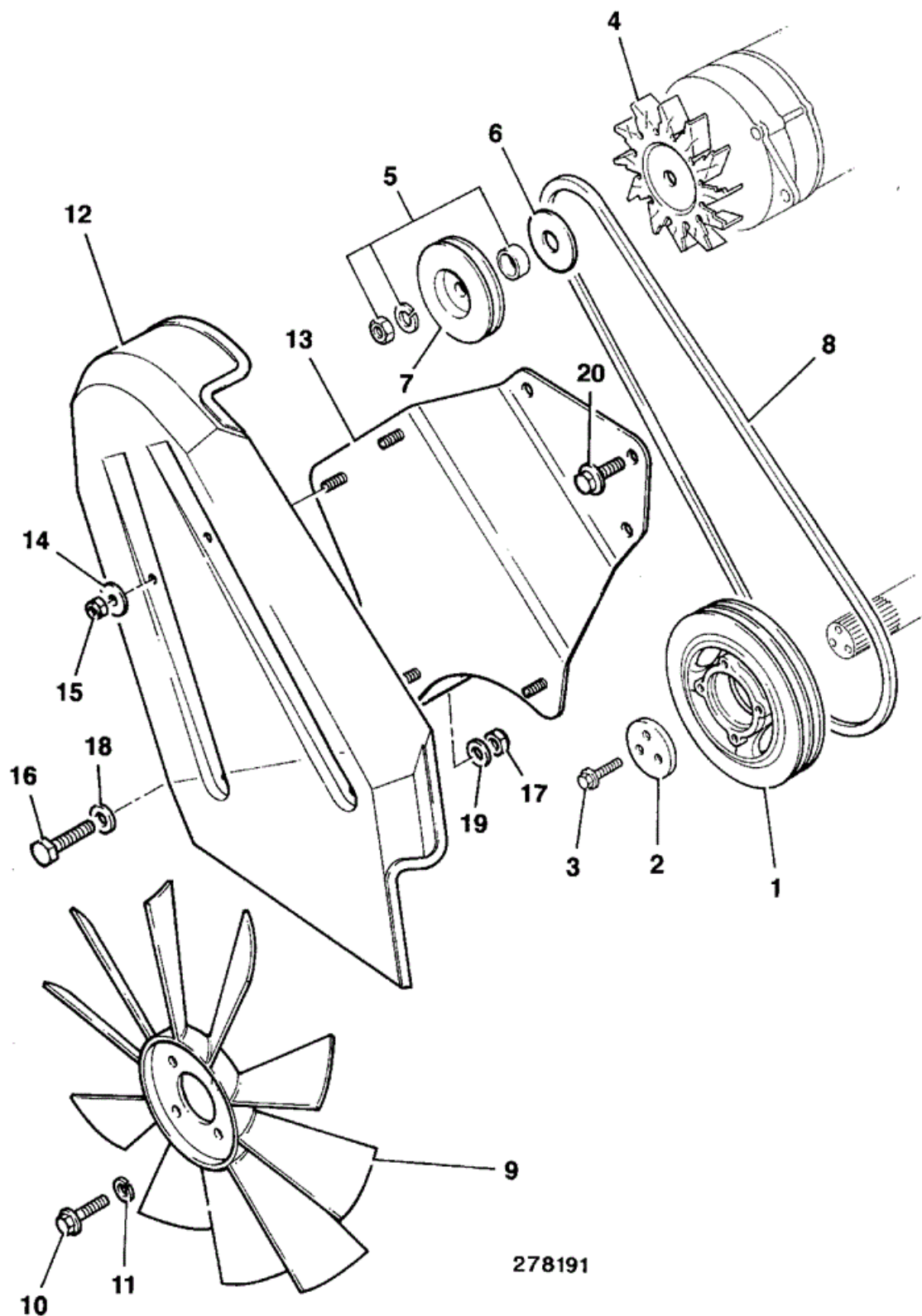
Item	Part #	Change No	Description	Usage Code	QTY
1	02/200915		Crankshaft assembly		1

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

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

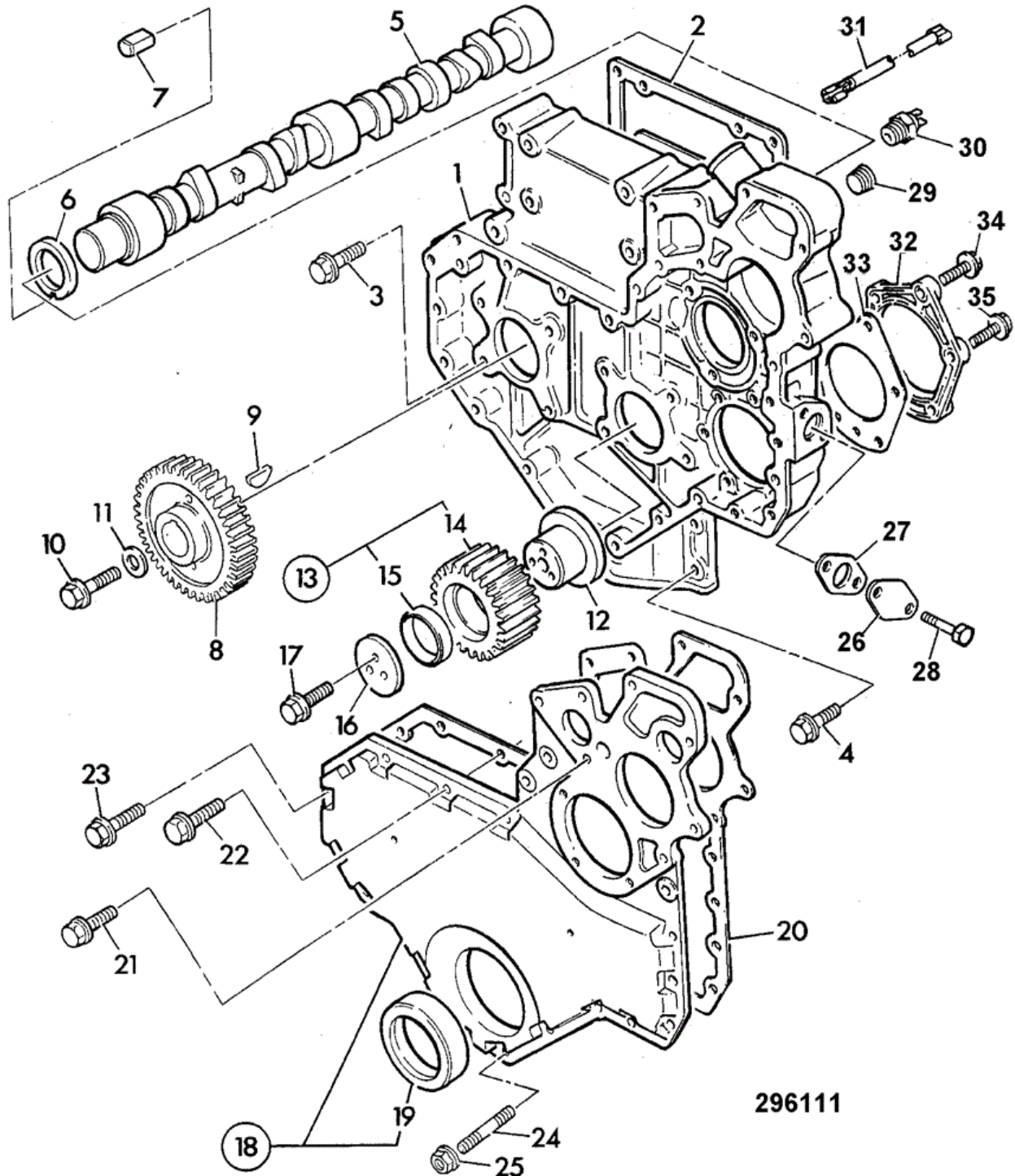


Item	Part #	Change No	Description	Usage Code	QTY
1	02/200018		Pulley crankshaft twin groove		1
2	02/200017		Block Thrust		1
3	02/100579		Screw		3
4	714/10812		Fan alternator		1
5	714/20405		Kit-sundry parts		1
6	714/16711		Washer fan support <i>Sealed Alternator option only</i>		1
7	02/200212		Pulley 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

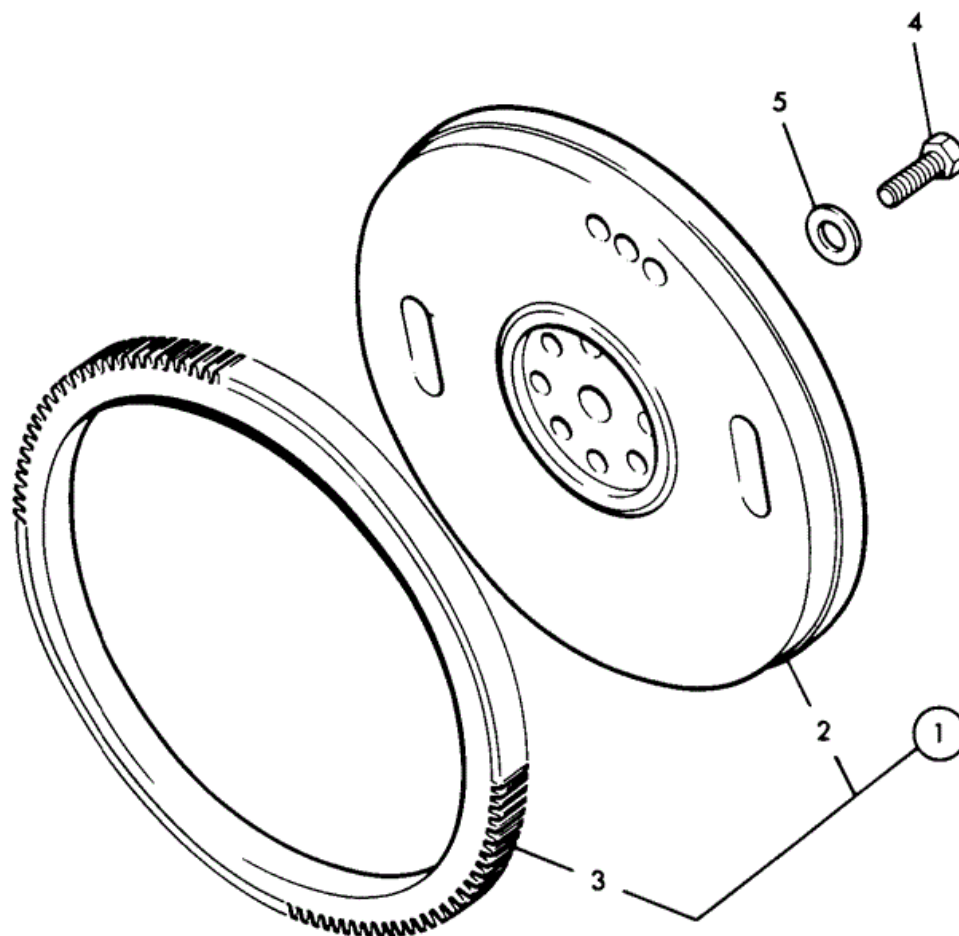


Item	Part #	Change No	Description	Usage Code	QTY
1	02/202237		Case timing single pto		1
2	02/200872		Gasket t/case to block		1

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

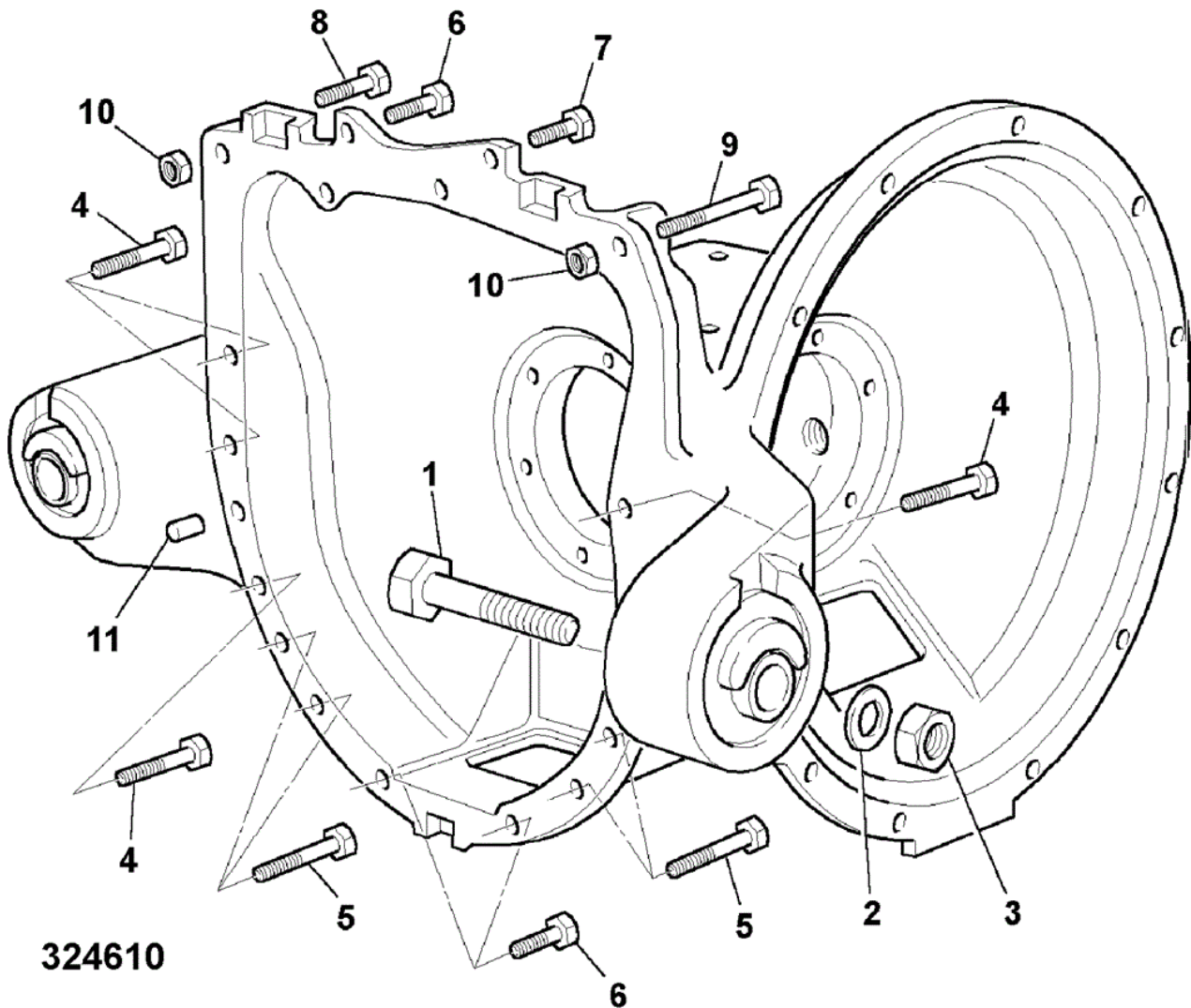


105250

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 P1-8-1 ENGINE MOUNTING BOLTS



Item	Part #	Change No	Description	Usage Code	QTY
1	1315/4023Z		Bolt M24 X 130		3
2	1420/0014Z		Washer M24		3
3	1370/0901Z		Nut (M24)		3
4	1315/3514Z		Bolt M12 x 60mm		5
5	1315/3516Z		Bolt M12 x 70mm		4
6	1315/0511Z		Bolt M12 x 45mm		3
7	1315/0509Z		Setscrew M12 x 35mm		1
8	1315/3512Z		Bolt M12 x 50mm		1
9	1315/3520Z		Bolt M12 x 100mm		1
10	1370/0403Z		Nut Lock, M12		2
11	02/101370		Dowel		2

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