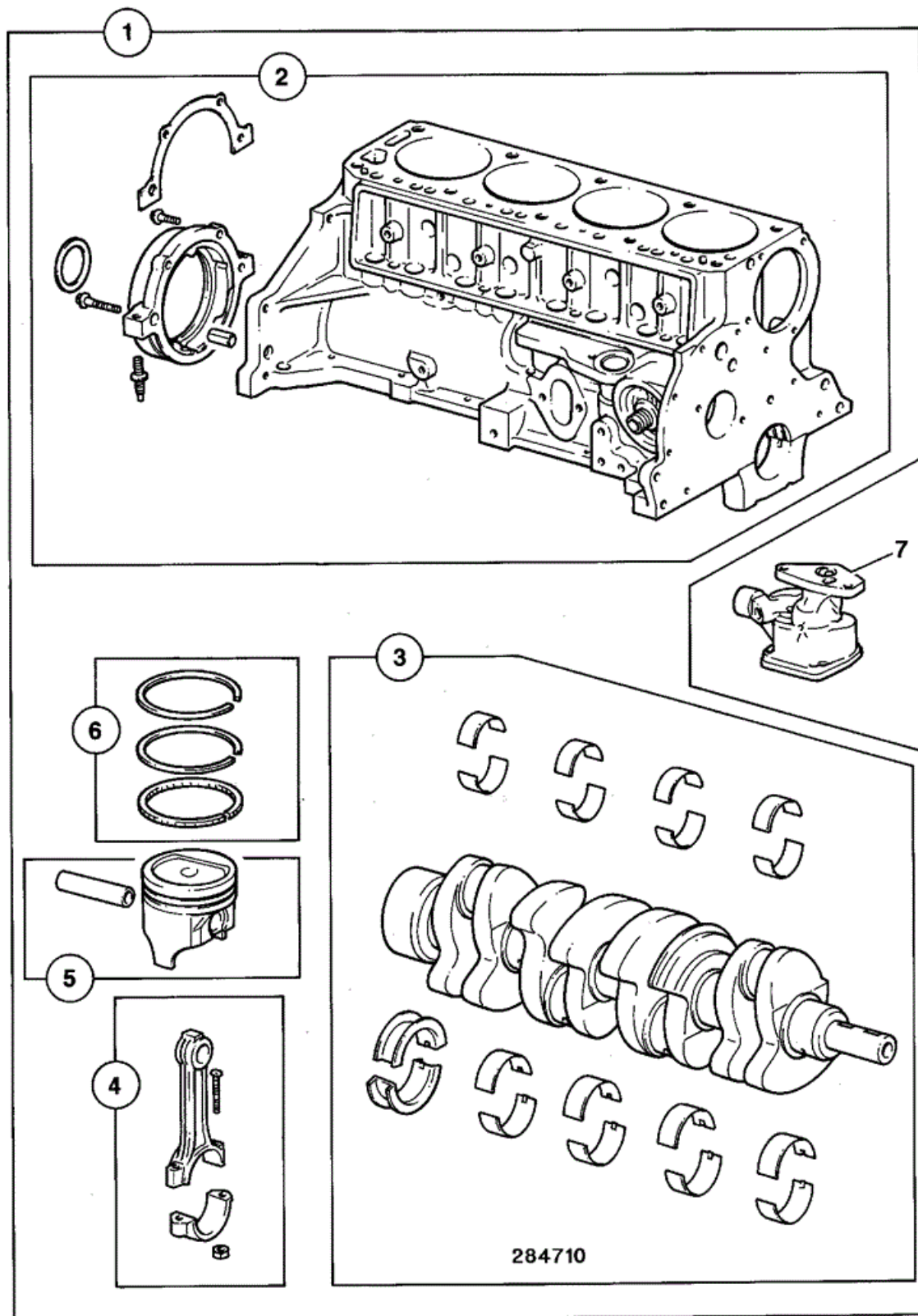




9802/0210 L1-2-1 ENGINE, SHORT

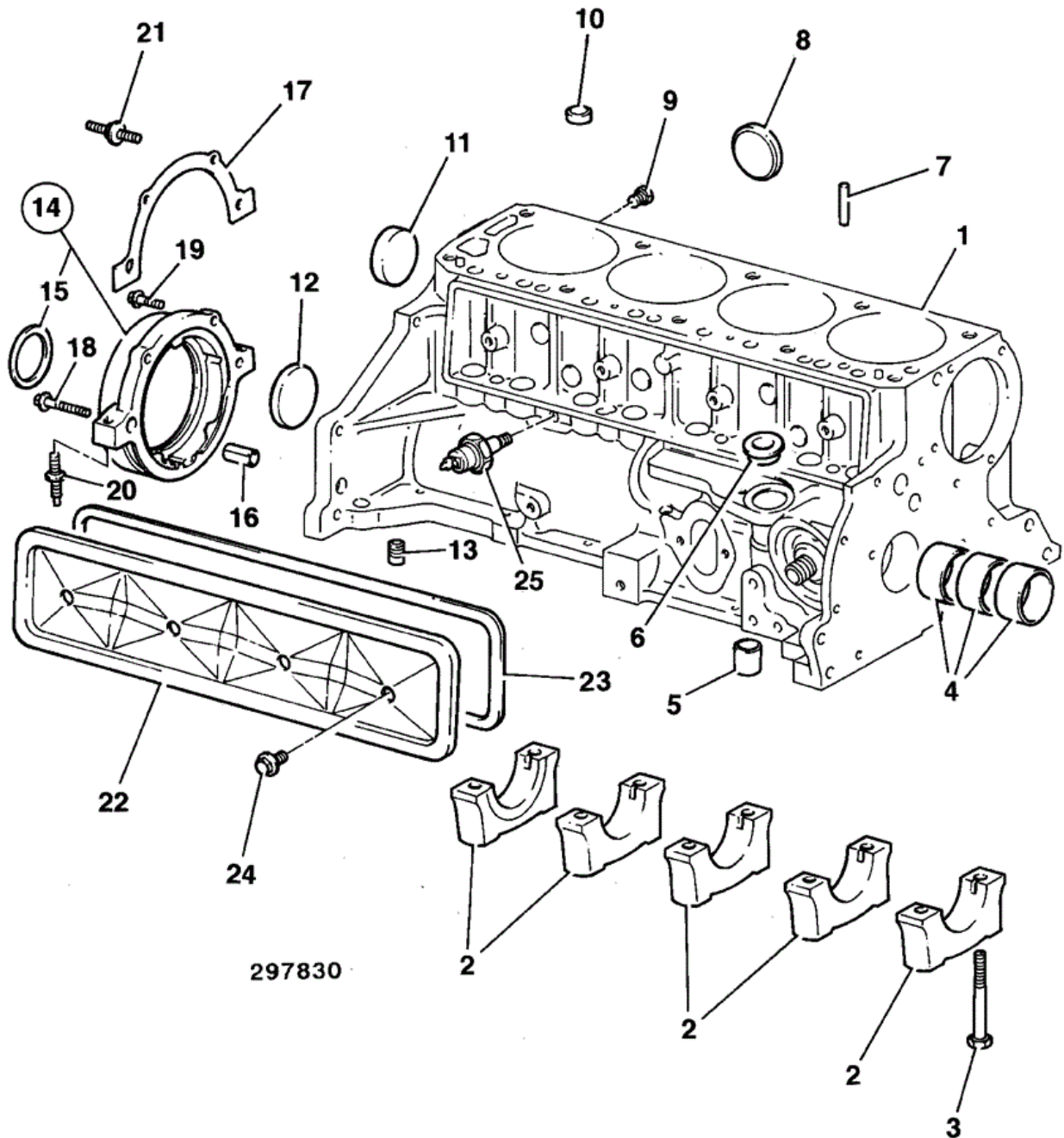


Item	Part #	Change No	Description	Usage Code	QTY
1	02/920000		Engine short		1
2	****		'See Remark' <i>CYLINDER BLOCK, SEE FRAME L1-3-1</i>		1
3	****		'See Remark' <i>CRANKSHAFT & BEARINGS, SEE FRAME L1-4-1</i>		1
4	****		'See Remark' <i>CON-ROD ASSEMBLY, SEE FRAME L1-4-1</i>		1
5	****		'See Remark' <i>PISTON ASSEMBLY, SEE FRAME L1-4-1</i>		1
6	****		'See Remark' <i>PISTON RINGS, SEE FRAME L1-4-1</i>		1
7	****		'See Remark' <i>OIL PUMP, SEE FRAME L5-1-1</i> <i>See Note 1</i>		1

Note 1: NOT FITTED OR SUPPLIED WITH ITEM 1



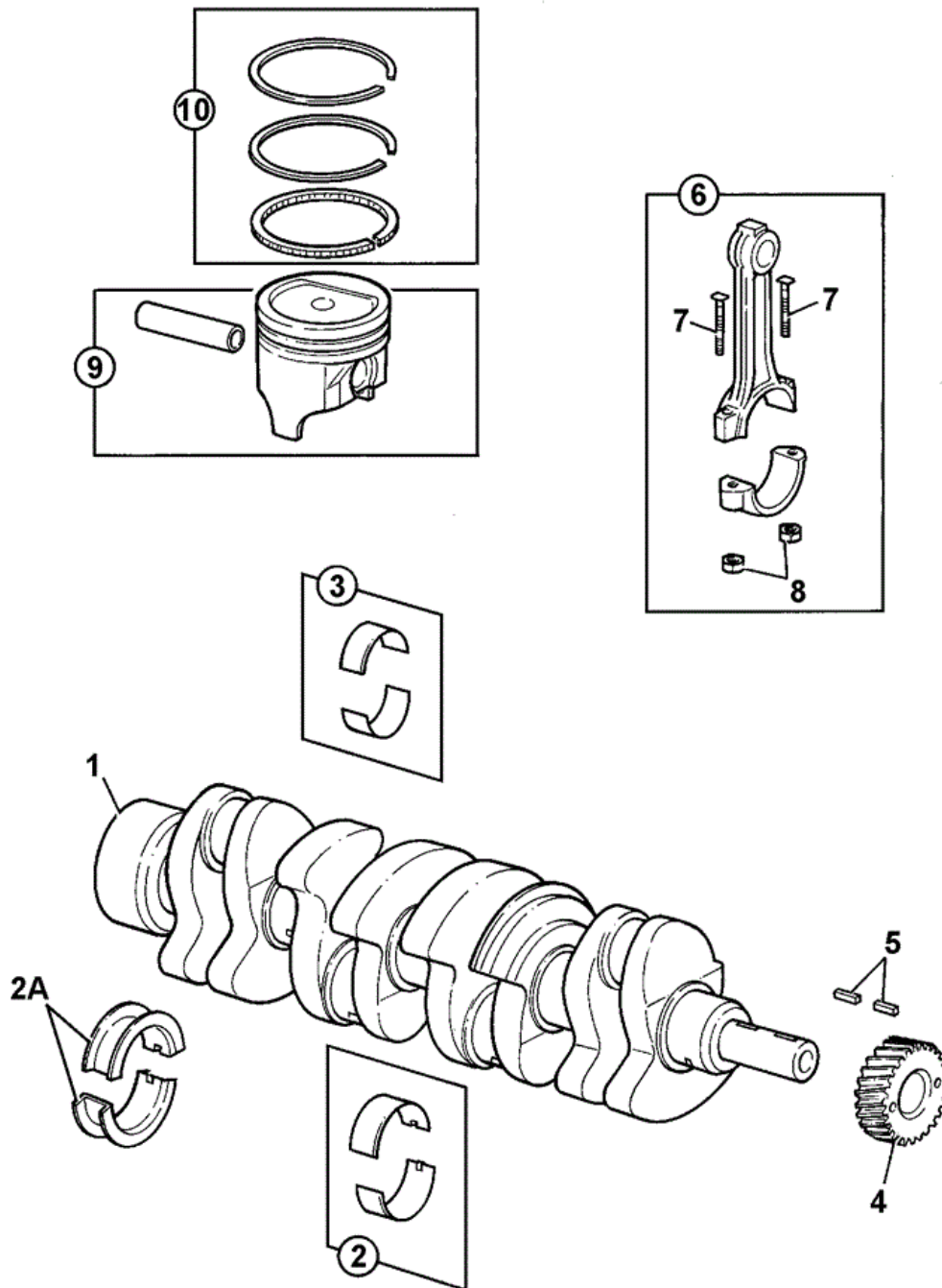
9802/0210 L1-3-1 BLOCK ASSEMBLY



Item	Part #	Change No	Description	Usage Code	QTY
1	****		None serviced part <i>USE SHORT ENGINE , SEE FRAME L1-2-1</i>		1

2	****		None serviced part		4
3	02/920002		Bolt		8
4	02/920009		Bearing camshaft		3
5	02/920008		Bearing oil pump drive shaft		1
6	02/920166		Washer thrust distributor drive		1
7	02/920018		Pin cyl/head locating		8
8	02/920069		Plug		0
9	02/920032		Plug 1/4-18x.56		2
10	02/920007		Plug oil gallery front end		1
11	02/920005		Plug block core hole		0
12	02/920004		Plug camshaft rear bearing hole		1
13	02/920003		Plug oil gallery auto drain		1
14	02/920010		Housing rear oil seal		1
15	:02/920011		Seal rear oil		1
16	02/920012		Pin dowel		1
17	02/920017		Gasket rear seal housing		1
18	02/920015		Bolt		0
19	02/920016		Bolt		0
20	02/920013		Stud		1
21	02/920014		Stud		2
22	02/920020		Cover valve push-rod		1
23	02/920021		Sealant 3.35oz tube <i>USE WITH ITEM 22</i>		0
23	02/920047		Sealant 5oz tube		1
24	02/920022		Bolt		4
25	701/60061		Switch oil pressure		1

JCB 9802/0210 L1-4-1 CRANKSHAFT, BEARINGS PISTONS & CON-RODS



284722

Item	Part #	Change No	Description	Usage Code	QTY
1	02/920030		Crankshaft		1

2	02/920029		Kit-bearing main standard		4
2	02/920028		Kit-bearing main undersize - .001"		0
2	02/920027		Kit-bearing main undersize - 0.10"		0
2	02/920026		Kit-bearing main undersize - .020"		0
2	02/920025		Kit-bearing main undersize - .030"		0
2	02/920023		Kit-bearing thrust undersize - .001"		0
2A	02/920024		Kit-bearing thrust standard		1
2A	02/920023		Kit-bearing thrust undersize - .001"		0
2A	02/920031		Kit-bearing thrust undersize - .025"		0
3	02/920038		Kit-bearing big-end		4
3	02/920039		Kit-bearing big-end undersize - .001"		0
4	02/920033		Gear crankshaft		1
5	02/920052		Key		1
6	02/920035		Rod connecting		4
6.1	02/920035R		Rod connecting reworked		4
7	:02/920036		Bolt con-rod		2
8	:02/920037		Nut con-rod		2
9	02/920040		Piston assembly		4
9	02/920041		Piston assembly Hi-Limit		0
9	02/920042		Piston assembly oversize - .020"		0
10	02/920043		Kit-piston ring standard		4
10	02/920044		Kit-piston ring oversize - .030"		0

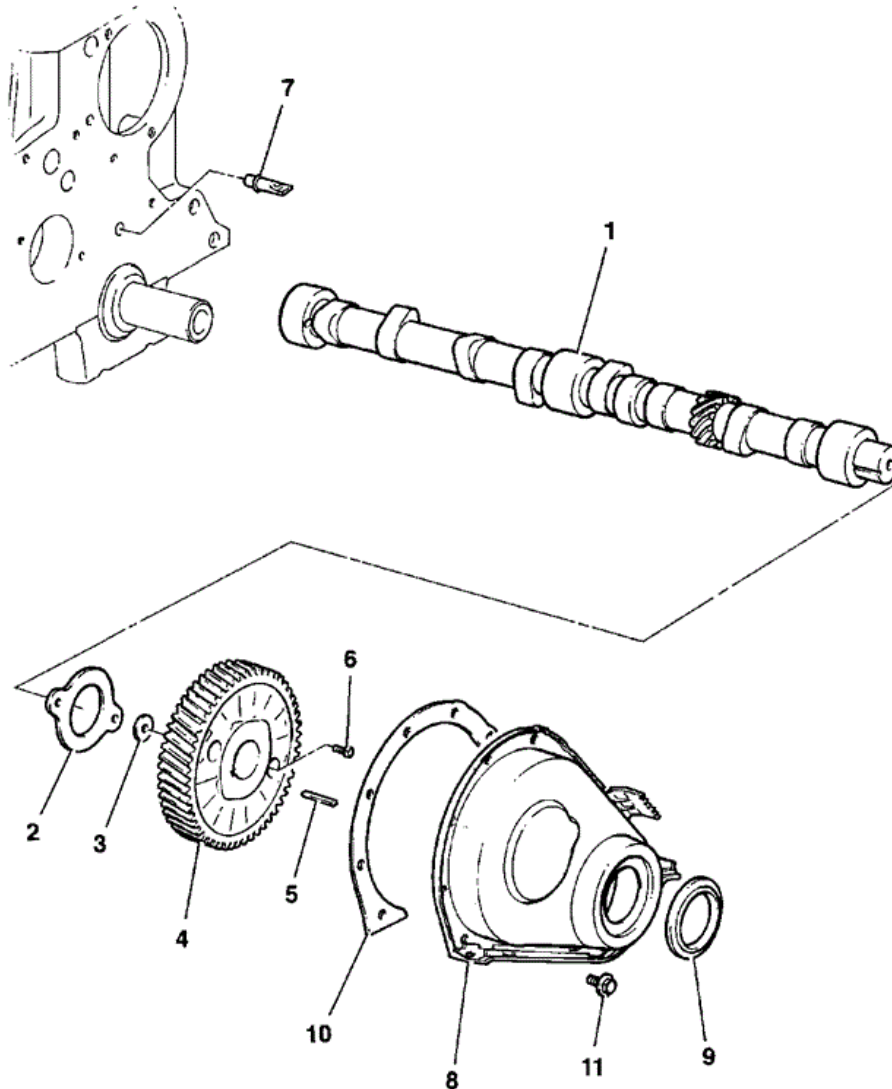
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Item	Part #	Change No	Description	Usage Code	QTY
1	02/920212		Plate hi-fan mounting		1
1	333/R3127	>MAY 2010	Plate Highj Fan Drive WA		1
1A	331/13085		Bracket support fan drive bracket		1
1B	826/01383		Capscrew 3/8 UNC x 1"long		1
1C	1416/0006Z		Washer spring		1
1D	1410/0003Z		Washer (3/8" Small)		1
2	02/920179		Bolt 3/8-16x1.1/2"		2
3	02/920198		Bolt 3/8-16x1.1/4"		1
4	02/920176		Washer lock		2
5	02/920261		Housing Housing fan drive assembly		1
6	826/01777		Capscrew 3/8UNC x 1.1/4"		4
7	02/920176		Washer lock		1
8	02/920249		Hub fan drive		1
9	30/925385		Spacer fan 27mm		1
10	02/920216		Pulley fan		1
11	30/925386		Fan 18" pusher		1
12	1305/3112Z		Bolt		4
13	02/920109		Washer		4
14	02/920218		Pulley crankshaft		1
15	02/920219		Bolt 3/8-24x2.0"		1
16	02/920176		Washer lock		1
17	02/920220		Spacer idler shaft		1
18	333/D7281		Kit pulley idler <i>Includes 20,21,23</i>		1
19	:02/920253		Shaft idler		1
20	****		None serviced part		1
21	****		None serviced part		1
22	:333/D7283		Ring snap		1
23	02/920255		Washer spacer		1
24	1305/4724Z		Bolt 3/8"UNC x 3.1/4"		2
25	02/920176		Washer lock		1
26	02/920224		Washer		1
27	02/920266		Bolt 3/8-16UNCX4		1
28	02/920225		Nut 3/8-16		1
29	02/920195		Belt fan drive		1
30	02/920259		Pulley Pulley water pump		1
31	02/920217		Bolt 5/16-24x3/4"		4
32	02/920228		Washer lock		4
33	02/920045		Damper crankshaft		1
34	02/920184		Pulley alternator		1
35	714/35018		Nut		1
36	714/35019		Washer spring		1
37	02/920256		Belt Belt, alternator dri		1
38	02/920185		Fan alternator		1



9802/0210 L1-6-1 TIMING CASE CAMSHAFT & GEARS



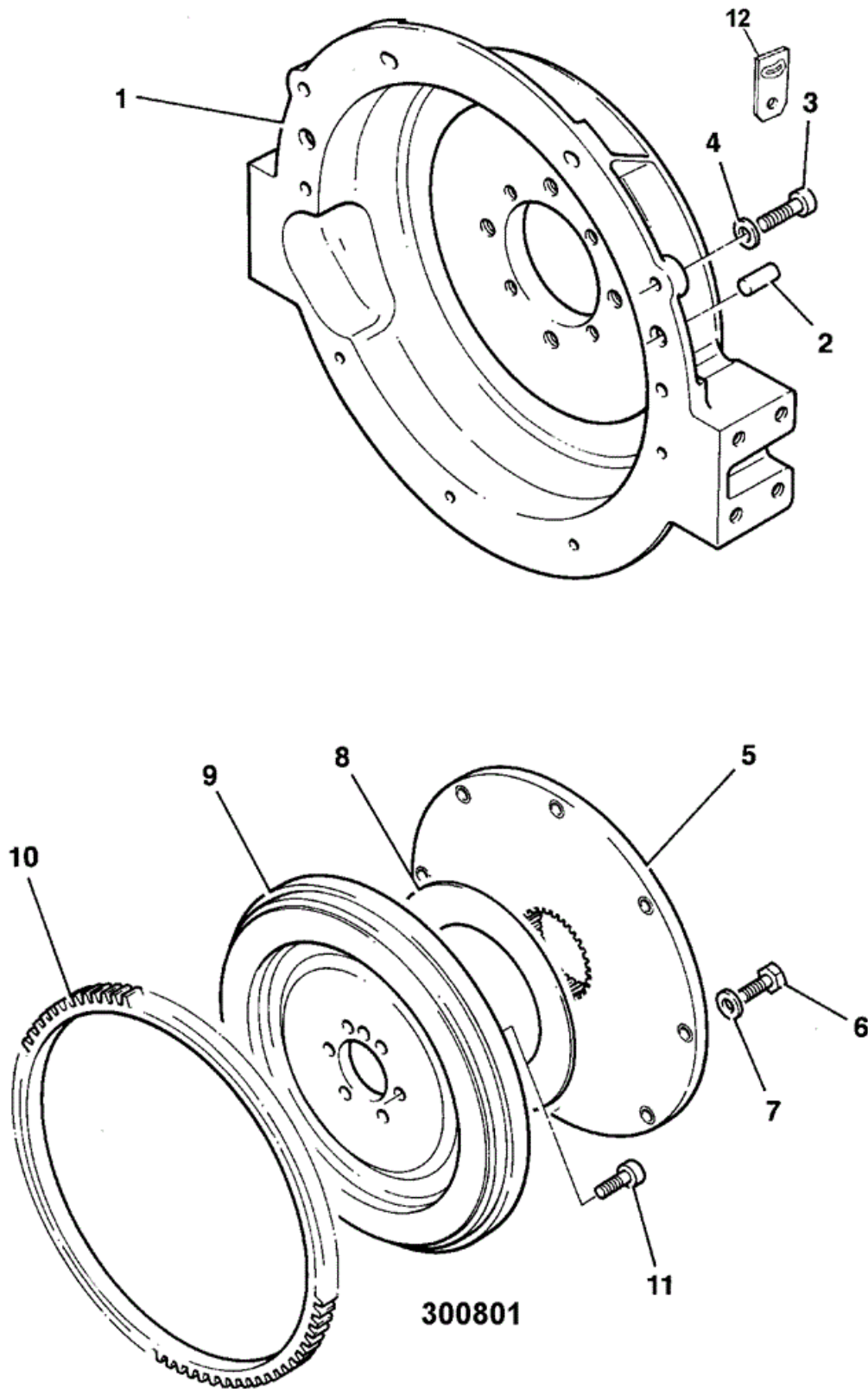
284730

Item	Part #	Change No	Description	Usage Code	QTY
1	02/920050		Camshaft		1
2	:02/920053		Kit-plate camshaft thrust		1

2A	:02/920051		Ring spacer camshaft sprocket		1
3	:02/920058		Washer camshaft thrust		1
4	02/920055		Gear camshaft		1
5	02/920052		Key		1
6	02/920056		Bolt		1
6	02/920057		Bolt		3
7	02/920059		Nozzle camshaft gear lube		1
8	02/920060		Cover timing		1
9	:02/920061		Seal front oil		1
10	02/920063		Gasket timing cover		1
11	02/920057		Bolt		8



9802/0210 L1-7-1 FLYWHEEL & HOUSING



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