

CATERPILLAR CP-663E

AFL / KEBP0233

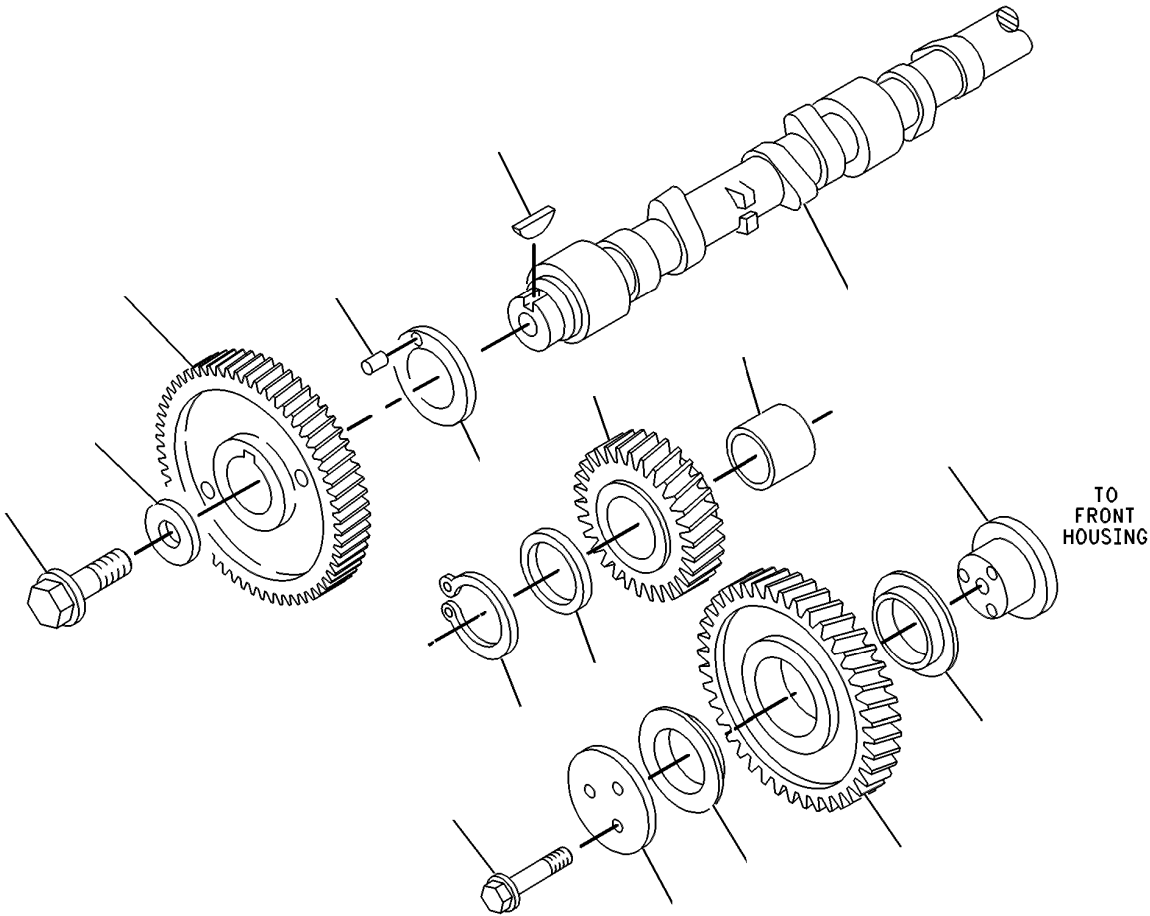
Contents

Section	Page
Basic engine	2
Lubrication system	
Cooling system	
Air inlet and exhaust	
Fuel system	
Basic engine	
Basic engine	
Electrical and electronics	
Power train	
Frame, guards and enclosure	
Power train	
Hydraulic system	
Hydraulic system	
Labels, kits and diagnostics	
Catalog items	
Hydraulic system	
Air inlet and exhaust	
Catalog items	

198-0988 CAMSHAFT GP

198-0988 CAMSHAFT GP S/N 8XJ1-UP PART OF 163-9275 ENGINE AR-PRIMARY

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	141-7833	CAMSHAFT	1		
2	7W-4842	WASHER-THRUST	1		
3	067-6179	DOWEL	1		
4	9Y-2633	GEAR-CAMSHAFT (56-TEETH)	1		
5	067-6135	KEY-WOODRUFF (CAMSHAFT)	1		
6	7C-4616	BOLT (M12X1.75X45-MM)	1	M	
7	133-1011	WASHER	1		
8	067-6897	HUB-IDLER GEAR	1		
9	2W-1529	GEAR AS-IDLER (63-TEETH)	1		
10	067-6899	BUSHING-IDLER GEAR	2		
11	067-6900	PLATE-RETAINING	1		
12	6I-0789	BOLT (M10X1.5X60-MM)	3	M	
13	6I-4350	GEAR AS (27-TEETH)	1		

198-0988 CAMSHAFT GP (continued)

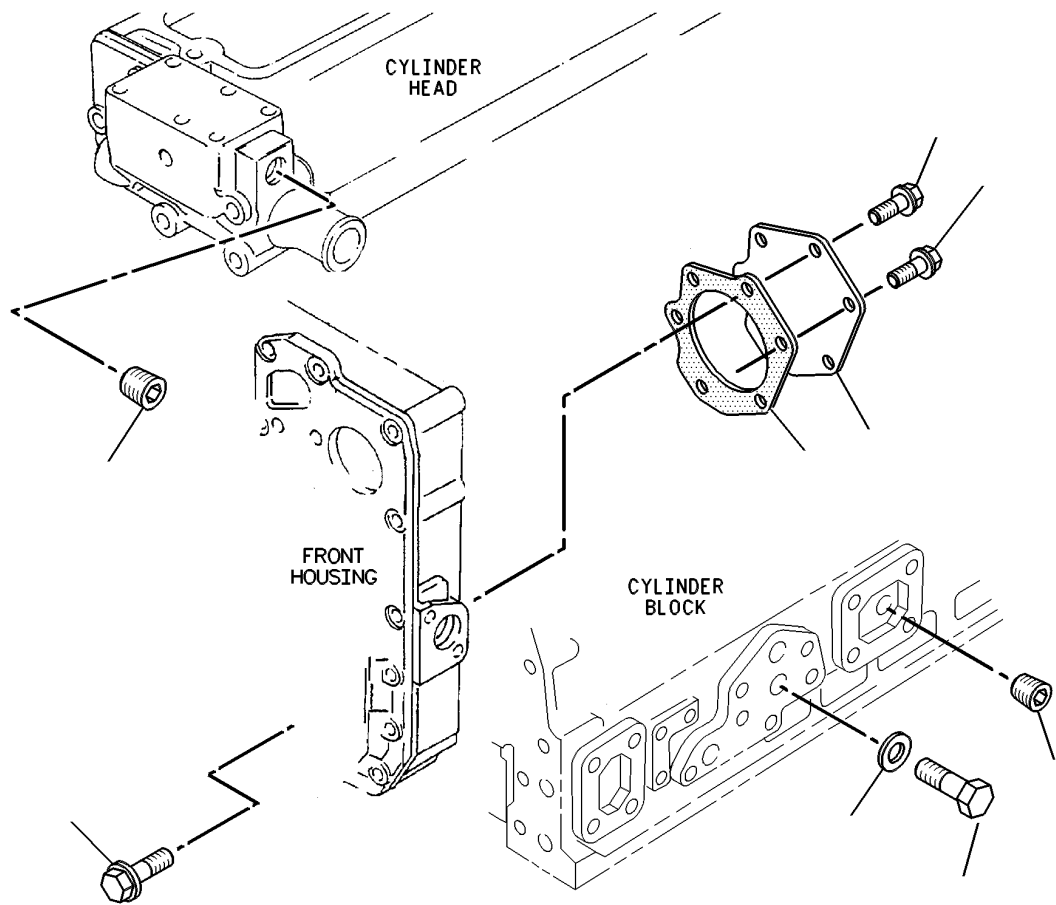
Ref.	Part number	Description	Qty	Code	Group page
14	067-6927	BUSHING-TERMINAL	1		
15	067-6928	CLIP	1		
16	6I-0256	WASHER	1		

CAT codes: M.

161-2843 COVER GP-ACCESSORY DRIVE

161-2843 COVER GP-ACCESSORY DRIVE S/N 8XJ1-2324 PART OF 163-9275 ENGINE AR-PRIMARY

Drawing 1 of 1



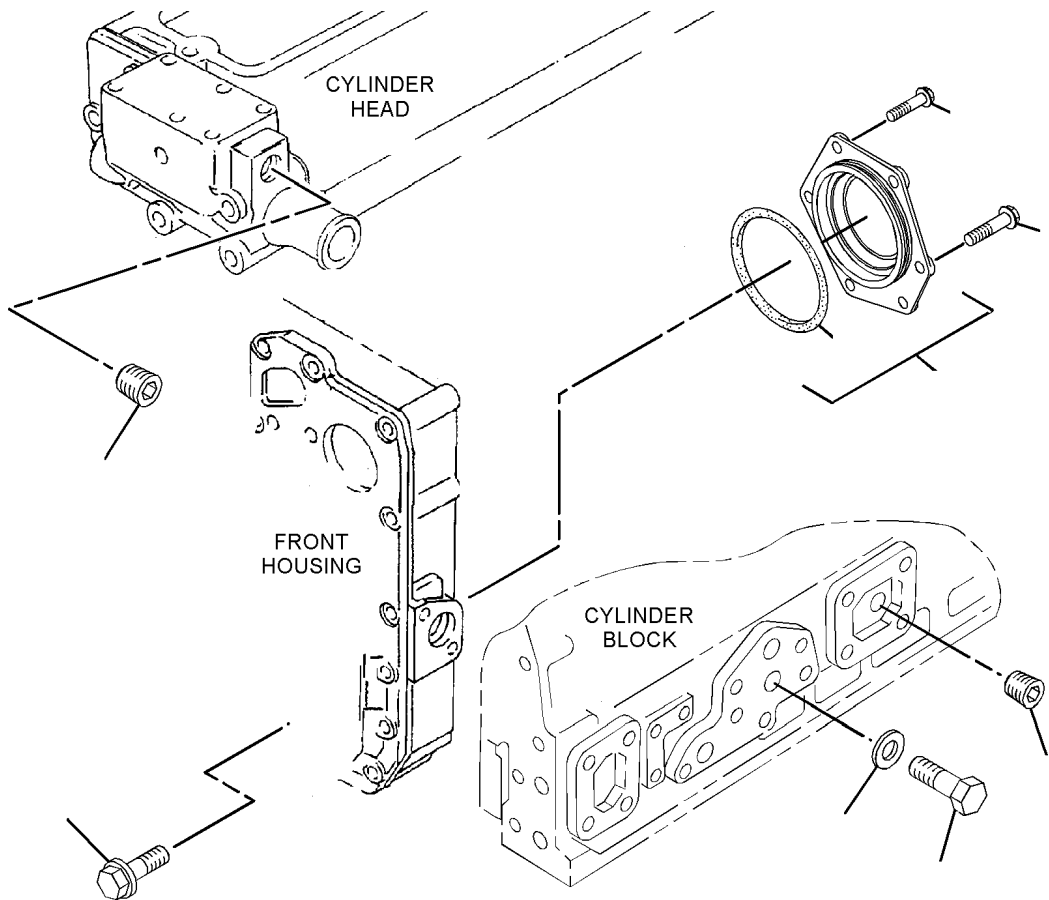
Ref.	Part number	Description	Qty	Code	Group page
1	2B-0858	PLUG-PIPE	2		
2	6I-0593	BOLT (M10X1.5X30-MM)	1	M	
3	6I-0646	BOLT (M10X1.5X14-MM)	1	M	
4	6I-4072	BOLT (M8X1.25X14-MM)	5	M	
5	7C-2851	PLUG	1		
6	206-4277	GASKET	1		
7	067-6810	WASHER	1		
8	100-4830	BOLT (M10X1.5X20-MM)	1	M	
9	138-2068	PLATE	1		

CAT codes: M.

161-2843 COVER GP-ACCESSORY DRIVE

161-2843 COVER GP-ACCESSORY DRIVE S/N 8XJ2325-UP PART OF 163-9275 ENGINE AR-PRIMARY

Drawing 1 of 1



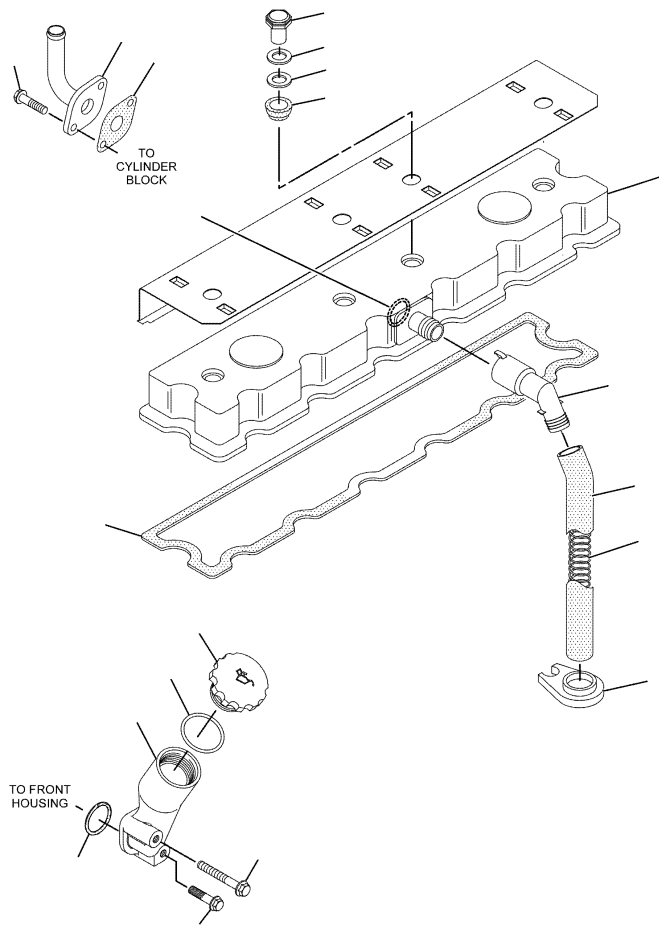
Ref.	Part number	Description	Qty	Code	Group page
1	2B-0858	PLUG-PIPE	2		
2	6I-0593	BOLT (M10X1.5X30-MM)	1	M	
3	6I-0646	BOLT (M10X1.5X14-MM)	1	M	
4	6I-4072	BOLT (M8X1.25X14-MM)	5	M	
5	7C-2851	PLUG	1		
6	067-6810	WASHER	1		
7	100-4830	BOLT (M10X1.5X20-MM)	1	M	
8	329-7854	PLATE AS	1	C	
8A	329-7856	SEAL-O-RING	1		

CAT codes: C, M.

193-0165 COVER GP-VALVE MECHANISM

193-0165 COVER GP-VALVE MECHANISM S/N 8XJ1-UP PART OF 163-9275 ENGINE AR-PRIMARY

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	191-5050	PIPE	1		
2	6I-0217	BOLT (M8X1.25X20-MM)	2	M	
3	6I-0456	BOLT (M8X1.25X45-MM)	1	M	
4	6I-4374	BOLT (M8X1.25X60-MM)	1	M	
5	7C-1281	BRACKET	1		
6	100-4104	GASKET	1		
7	204-8987	COVER AS-VALVE	1		
7A	200-6373	SEAL-COVER (VALVE)	1		
7B	4B-4281	WASHER (16.8X33X2.5-MM THK)	4		
7C	101-3675	SEAL	4		
7D	167-0095	NUT	4		
7E	204-8988	SPACER	4		
7F	243-2709	SEAL-O-RING	1		
8	191-5049	HOSE (CRANKCASE BREATHER)	1		
9	160-6988	FILLER AS-OIL	1		

193-0165 COVER GP-VALVE MECHANISM (continued)

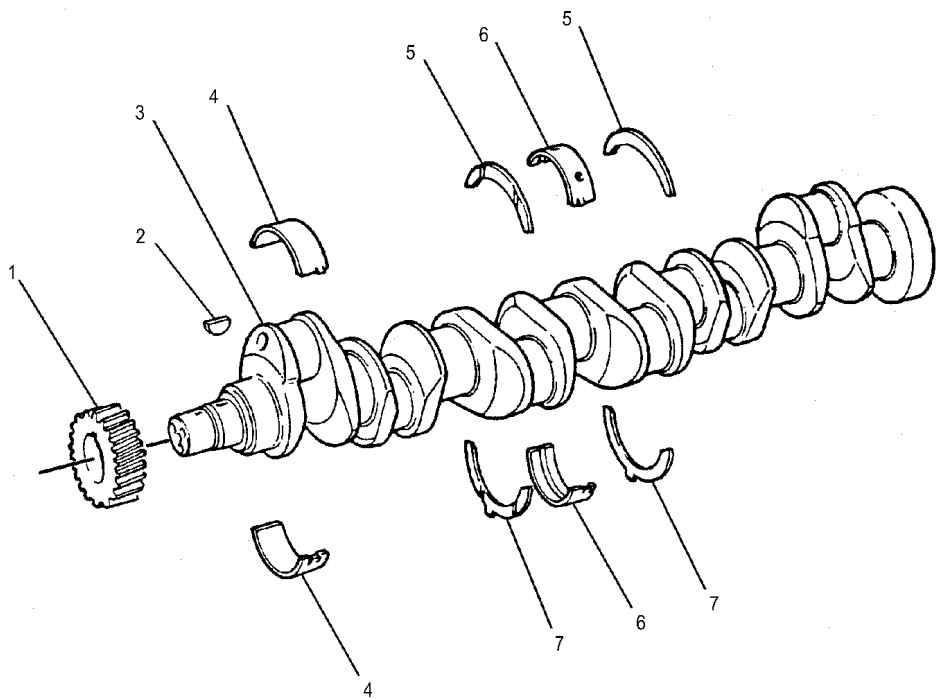
Ref.	Part number	Description	Qty	Code	Group page
9A	113-1505	SEAL-O-RING	1		
9B	130-9888	CAP AS-OIL FILLER (ENGINE)	1		
9C	113-1504	SEAL-O-RING	1		
10	162-9748	TUBE-OIL	1		
11	162-1565	SPRING (CRANKCASE BREATHER HOSE)	1		

CAT codes: M.

198-0993 CRANKSHAFT GP

198-0993 CRANKSHAFT GP S/N 8XJ1-UP PART OF 163-9275 ENGINE AR-PRIMARY

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	6I-0223	GEAR-CRANKSHAFT (28-TEETH)	1		
2	067-6135	KEY-WOODRUFF (CRANKSHAFT)	1		
3	193-0159	CRANKSHAFT GP	1		
4	7W-4816	BEARING SET-ROD	1		
	7W-4817	BEARING GP-CONNECTING ROD (.25MM US)	1	AB	
	7W-4818	BEARING GP-CONNECTING ROD (0.51-MM US)(.51MM US)	1	AB	
	7W-4819	BEARING GP-CONNECTING ROD (0.76-MM US)(.76MM US)	1	AB	
5	032-9090	WASHER-THRUST (STANDARD-UPPER)(UPPER-STD)	2		
	067-6873	WASHER-THRUST (0.18-MM OS)	2	AB	
6	7W-4589	BEARING GP-MAIN (STANDARD)	1		
	7W-4590	BEARING GP-MAIN (.25MM US)	1	AB	
	7W-4591	BEARING GP-MAIN (0.51-MM US)(.51MM US)	1	AB	

198-0993 CRANKSHAFT GP (continued)

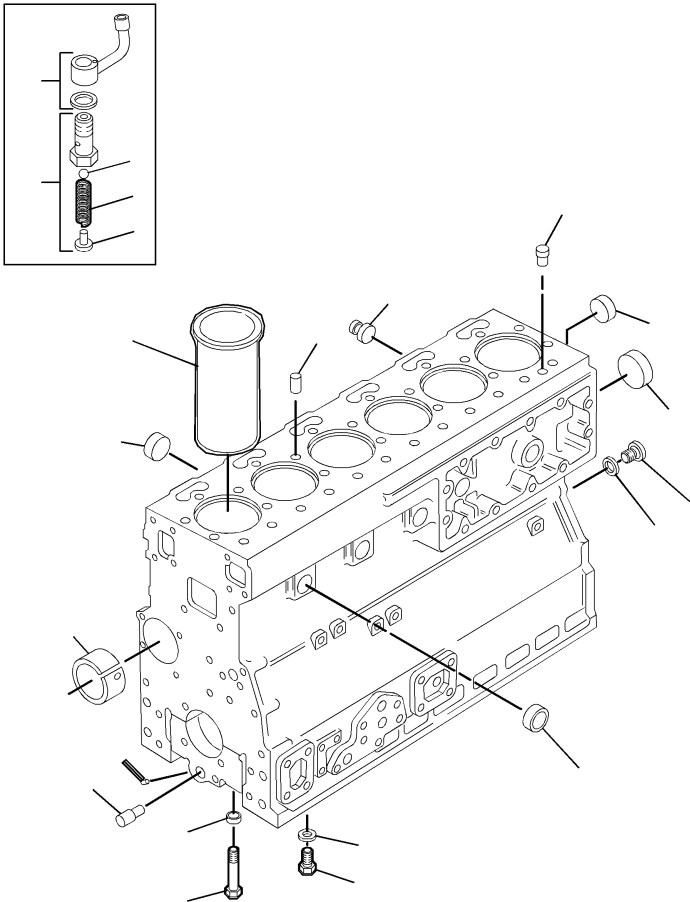
Ref.	Part number	Description	Qty	Code	Group page
	7W-4592	BEARING GP-MAIN (0.76-MM US)(.76MM US)	1	AB	
7	032-9091	WASHER-THRUST (STANDARD-LOWER)(LOWER-STD)	2		
	067-6874	WASHER-THRUST (0.18-MM OS)	2	AB	

CAT codes: A, B.

161-9823 CYLINDER BLOCK GP

161-9823 CYLINDER BLOCK GP S/N 8XJ1-2585 PART OF 198-0994 CYLINDER BLOCK GP FIELD REPLACEMENT ORDER 209-5566

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	147-1978	DOWEL	3		
2	1N-3762	PLUG-CUP	18		
3	6I-1074	VALVE AS (OIL JET)	6		
(EACH INCLUDES)					
4	6I-0686	SPRING	1		
5	6I-1075	BALL	1		
6	6I-1076	RETAINER	1		
7	6I-4354	DOWEL	1		
8	7W-2501	PLUG	1		
9	8F-2534	GASKET	1		
10	9Y-5015	PLUG-FREEZE	1		
11	035-8068	BOLT (5/8-18X3.75-IN)	14		
12	036-5802	BEARING	1		
13	067-6002	DOWEL	14		

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