

CATERPILLAR CS-663E

AEF / KEBP0233

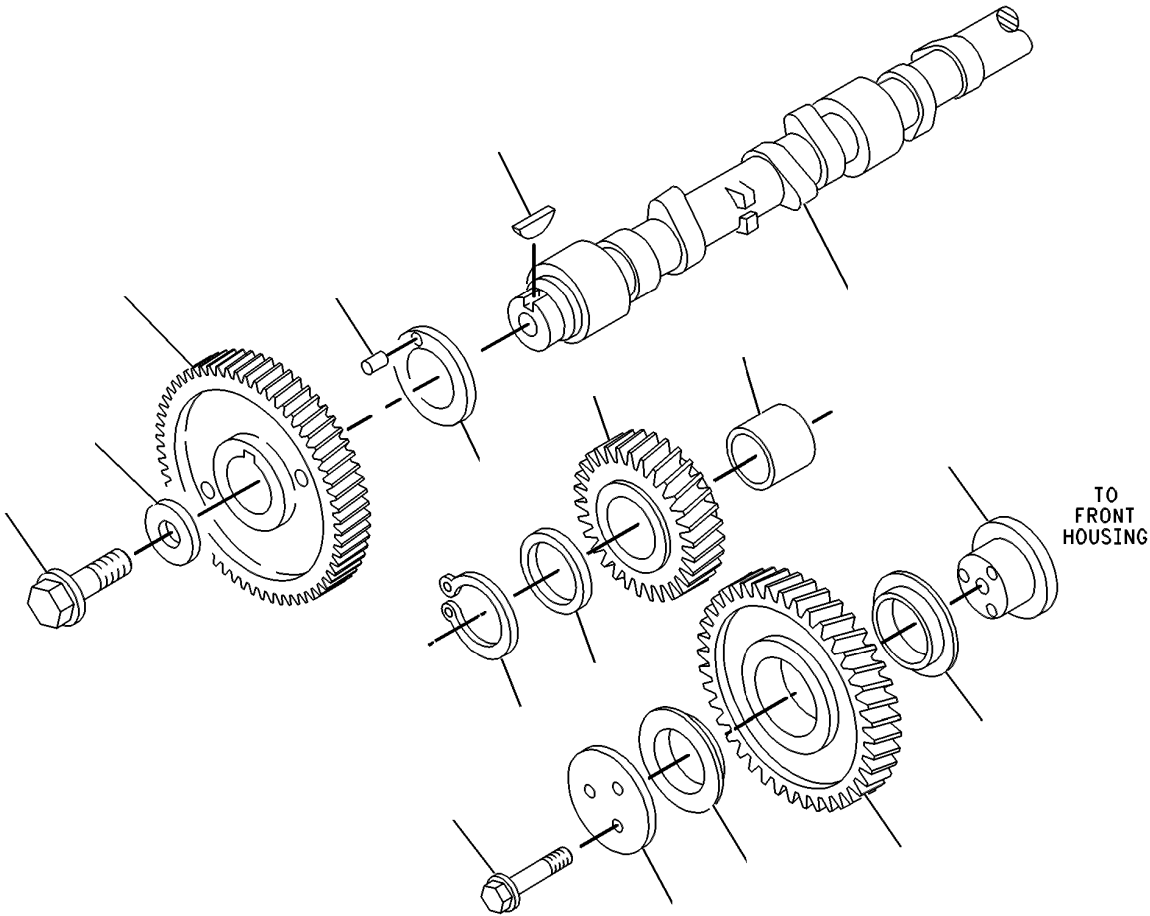
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198-0988 CAMSHAFT GP

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)

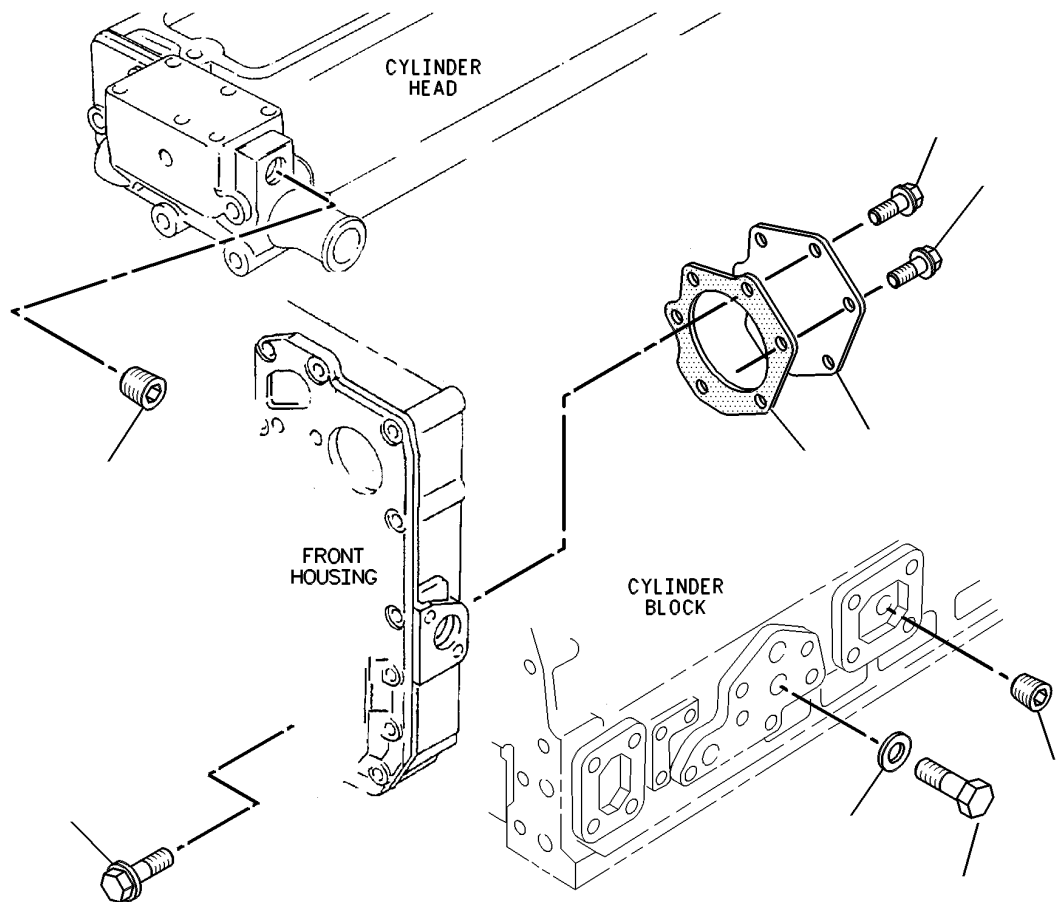
Ref.	Part number	Description	Qty	Code	Group page
14	067-6927	BUSHING-TERMINAL	1		
15	067-6928	CLIP	1		
16	6I-0256	WASHER	1		

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



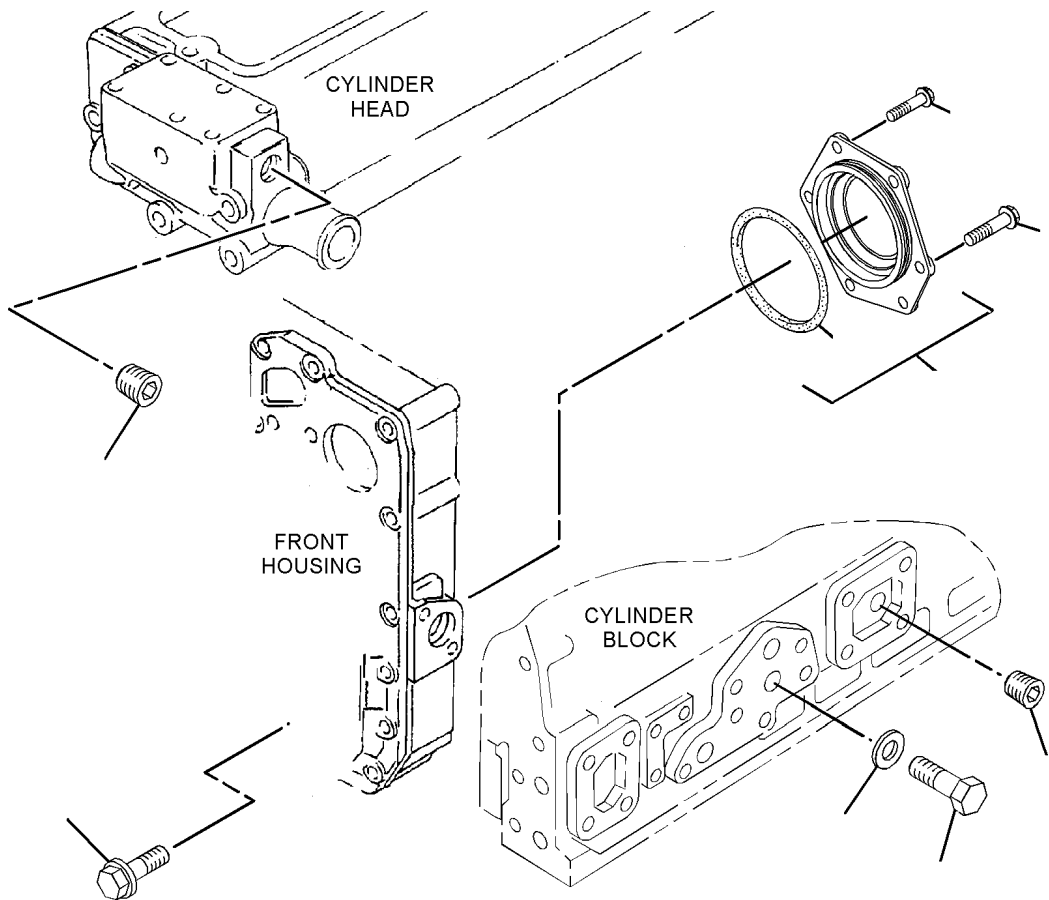
Ref.	Part number	Description	Qty	Code	Group page
1	2B-0858	PLUG-PIPE	2		
2	6I-0593	BOLT (M10X1.5X30-MM)	1	M	
3	6I-0646	BOLT (M10X1.5X14-MM)	1	M	
4	6I-4072	BOLT (M8X1.25X14-MM)	5	M	
5	7C-2851	PLUG	1		
6	206-4277	GASKET	1		
7	067-6810	WASHER	1		
8	100-4830	BOLT (M10X1.5X20-MM)	1	M	
9	138-2068	PLATE	1		

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



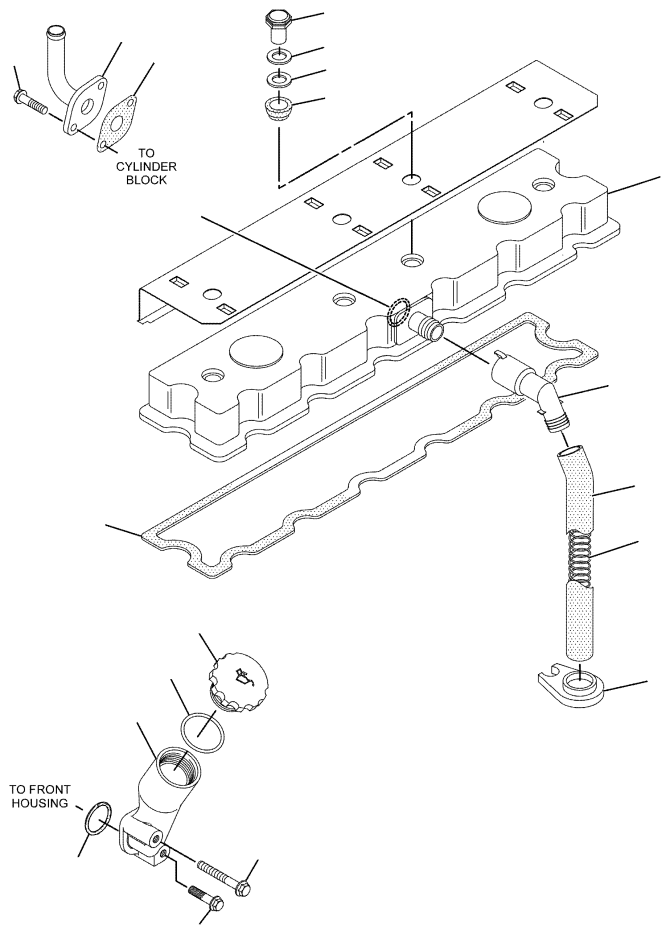
Ref.	Part number	Description	Qty	Code	Group page
1	2B-0858	PLUG-PIPE	2		
2	6I-0593	BOLT (M10X1.5X30-MM)	1	M	
3	6I-0646	BOLT (M10X1.5X14-MM)	1	M	
4	6I-4072	BOLT (M8X1.25X14-MM)	5	M	
5	7C-2851	PLUG	1		
6	067-6810	WASHER	1		
7	100-4830	BOLT (M10X1.5X20-MM)	1	M	
8	329-7854	PLATE AS	1	C	
8A	329-7856	SEAL-O-RING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

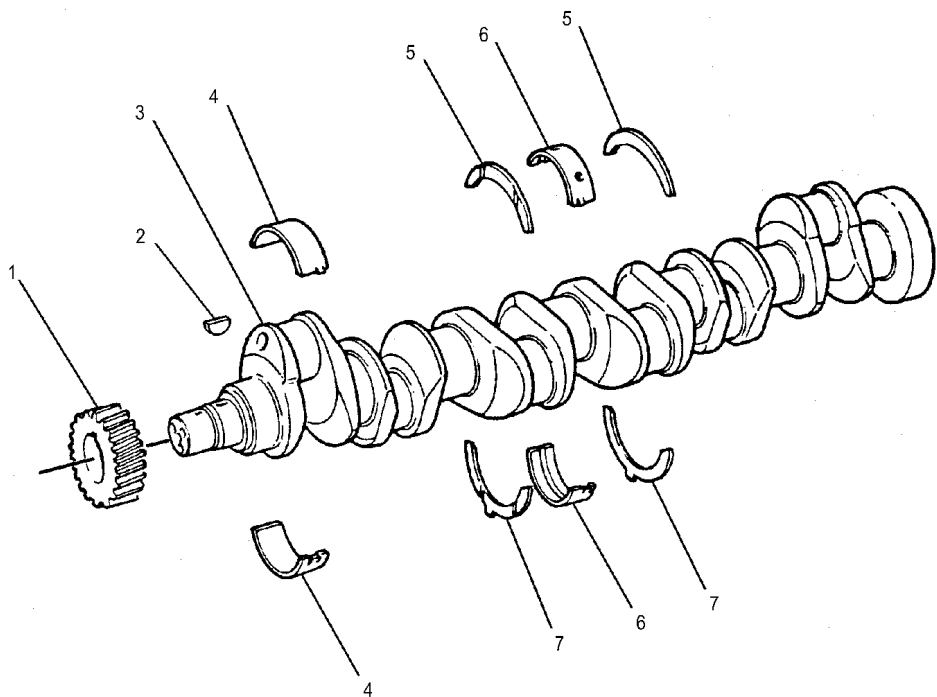
Ref.	Part number	Description	Qty	Code	Group page
9A	113-1505	SEAL-O-RING	1		
9B	130-9888	CAP AS-OIL FILLER (ENGINE)	1		
9C	113-1504	SEAL-O-RING	1		
10	162-9748	TUBE-OIL	1		
11	162-1565	SPRING (CRANKCASE BREATHER HOSE)	1		

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)

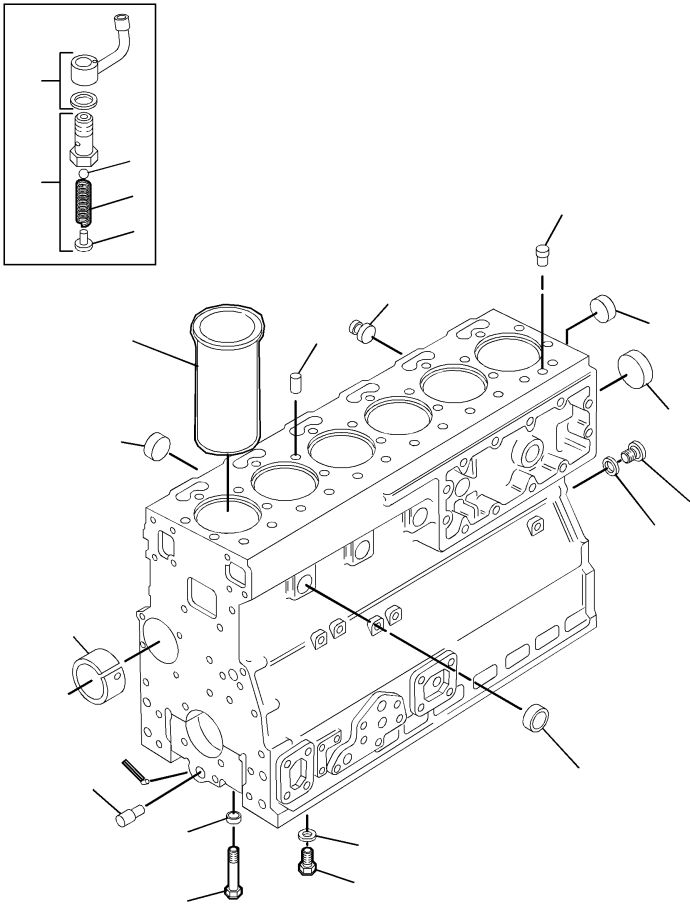
Ref.	Part number	Description	Qty	Code	Group page
	7W-4592	BEARING GP-MAIN (0.76-MM US)(.76MM US)	1	AB	
7	032-9091	WASHER-THRUST (STANDARD-LOWER)(LOWER-STD)	2		
	067-6874	WASHER-THRUST (0.18-MM OS)	2	AB	

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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