

CATERPILLAR 963D

LCS / SEBP4456

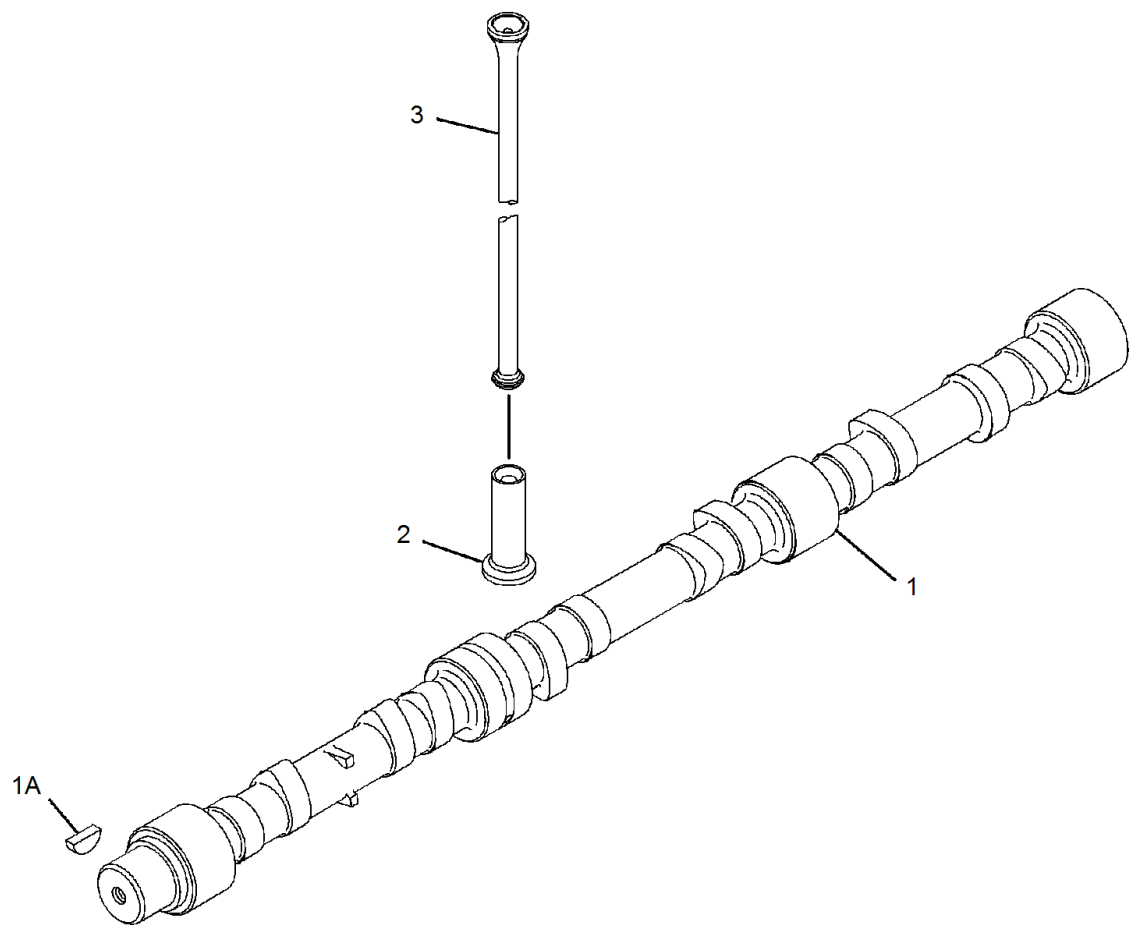
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282-2391 CAMSHAFT GP

282-2391 CAMSHAFT GP S/N C6E1-UP PART OF 242-1358, 361-1611, 362-9118, 384-6675, 395-0737, 435-1673
ENGINE AR-PRIMARY ALSO AN ATTACHMENT

Drawing 1 of 1

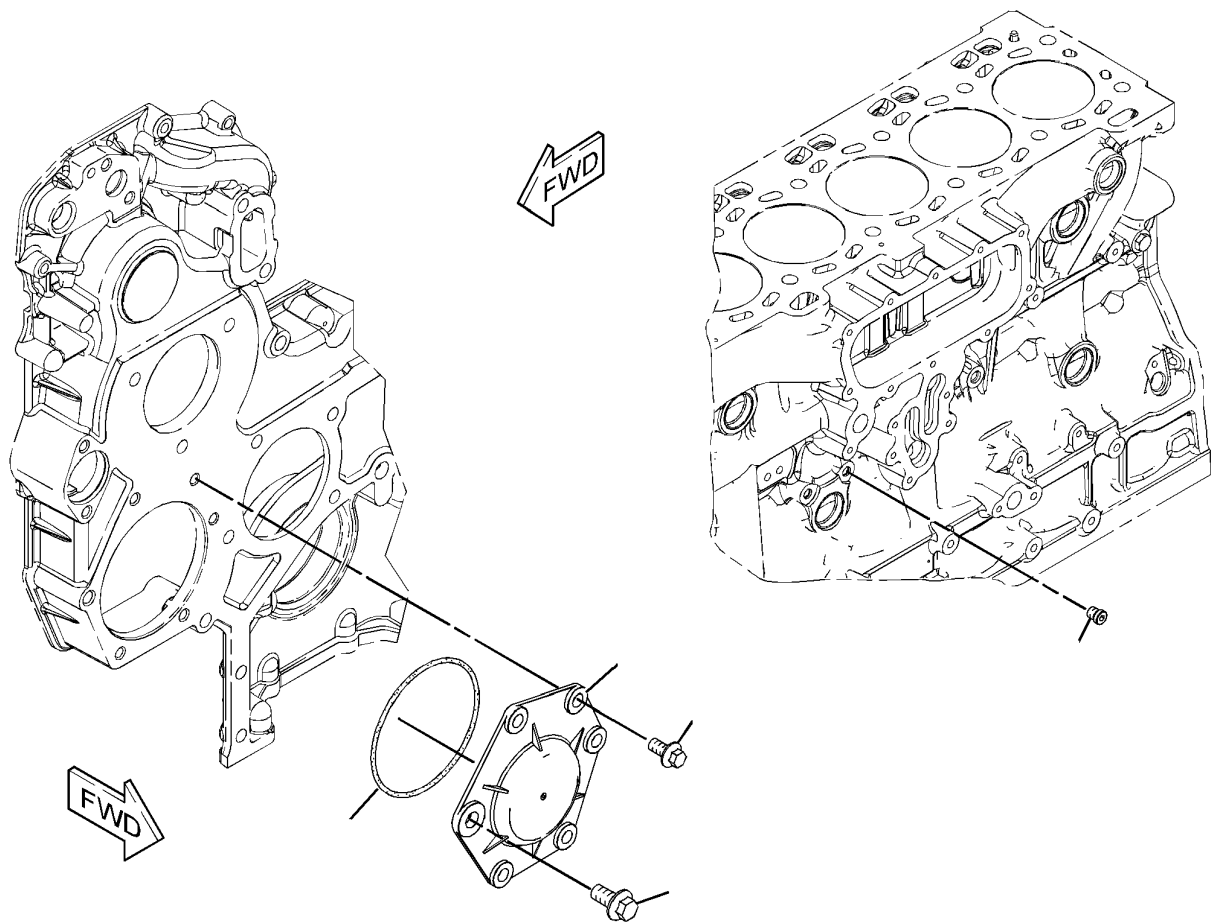


Ref.	Part number	Description	Qty	Code	Group page
1	347-1131	CAMSHAFT	1		
1A	1B-8736	KEY-WOODRUFF	1		
2	278-5125	TAPPET	12		
3	319-8426	PUSHROD	12		

277-4224 COVER GP-ENGINE -PTO

277-4224 COVER GP-ENGINE -PTO S/N C6E1-6519 PART OF 242-1358 ENGINE AR-PRIMARY

Drawing 1 of 1



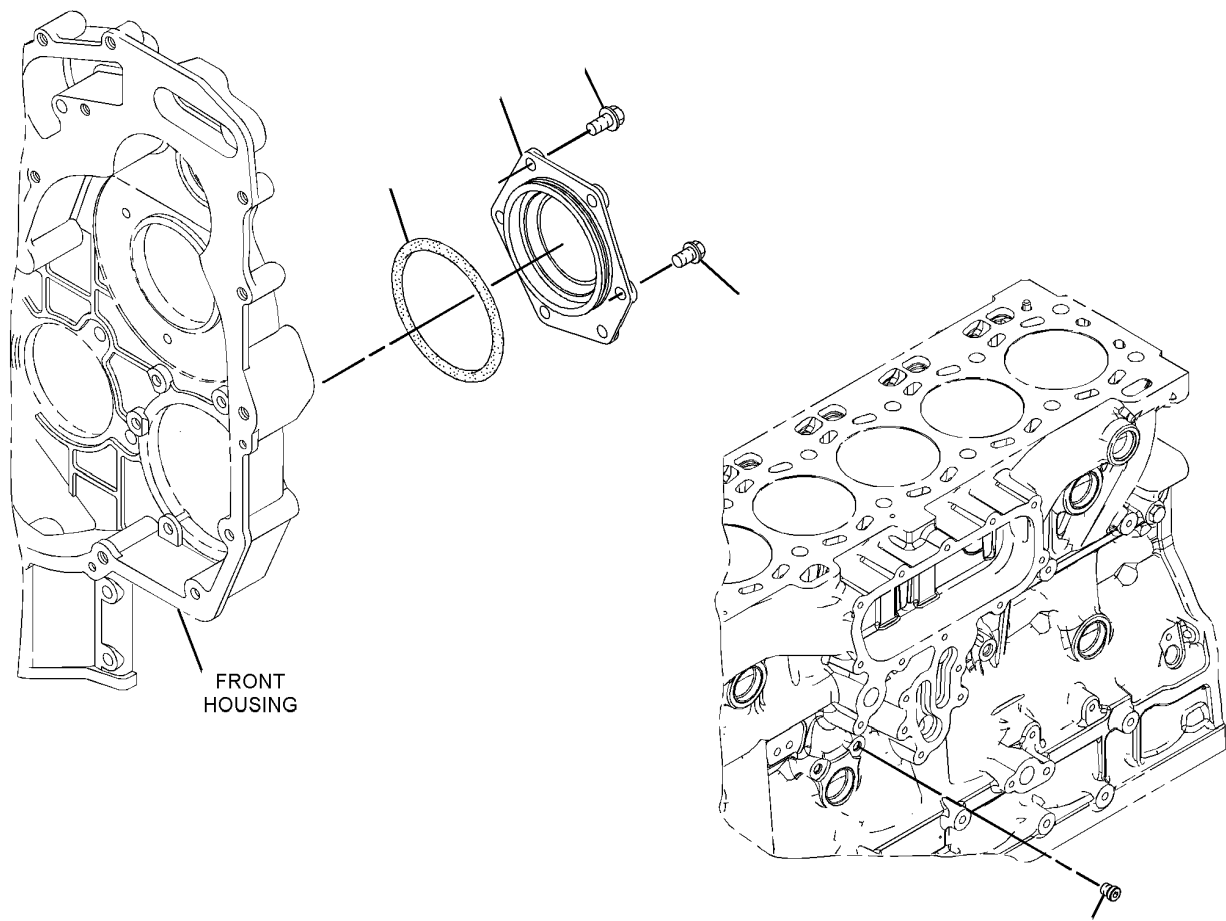
Ref.	Part number	Description	Qty	Code	Group page
1	209-5502	COVER AS (POWER TAKE-OFF)	1		
2	209-5503	SEAL-COVER	1		
3	111-8222	BOLT (M8X1.25X16-MM)	5	M	
4	100-4830	BOLT (M10X1.5X20-MM)	1	M	
5	277-4223	PLUG	1		

CAT codes: M.

277-4224 COVER GP-ENGINE -PTO

277-4224 COVER GP-ENGINE -PTO S/N C6E1-UP PART OF 242-1358 ENGINE AR-PRIMARY ALSO AN ATTACHMENT

Drawing 1 of 1



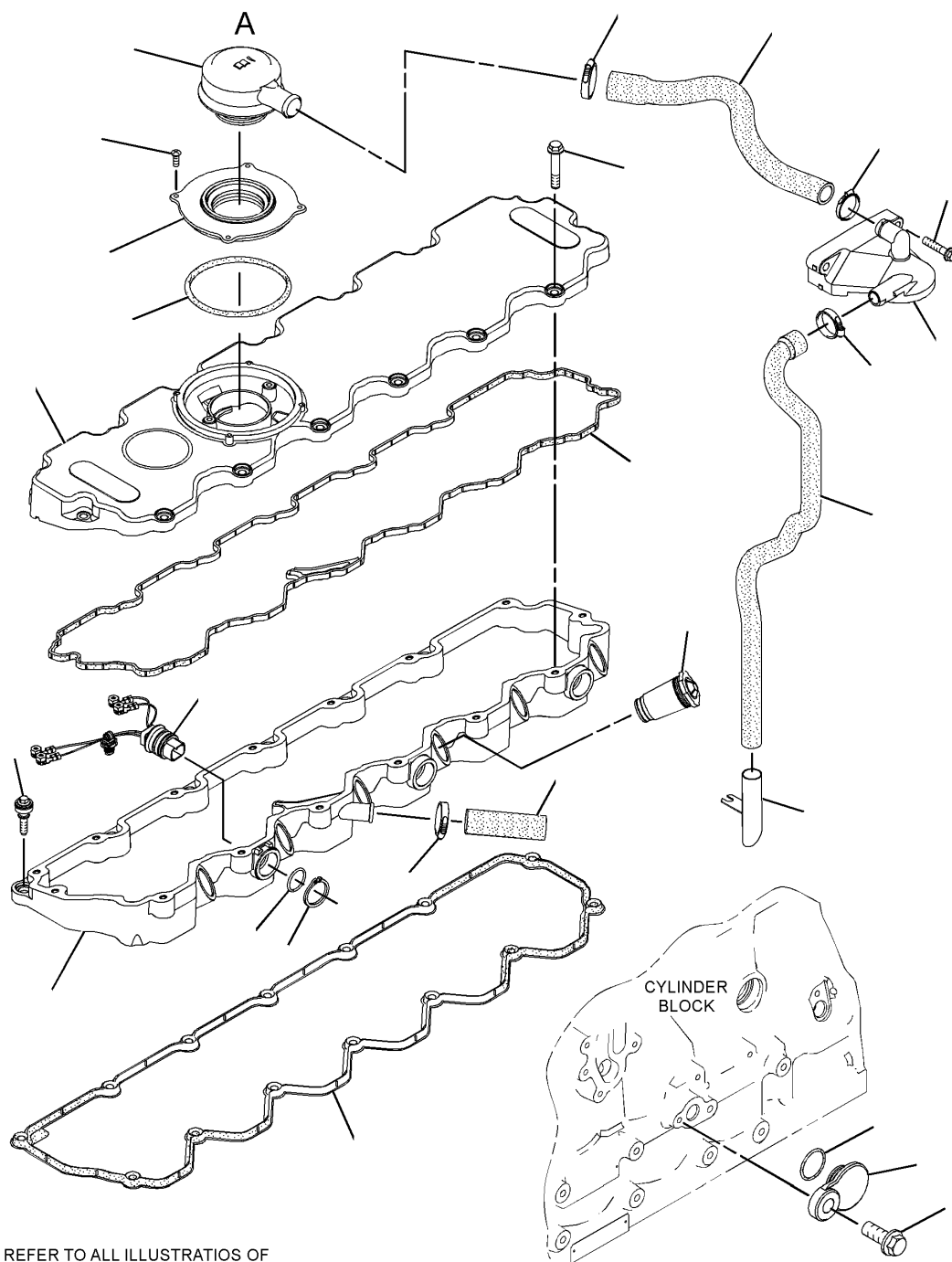
Ref.	Part number	Description	Qty	Code	Group page
1	329-7854	PLATE AS	1	C	
1A	329-7856	SEAL-O-RING	1		
2	111-8222	BOLT (M8X1.25X16-MM)	5	M	
3	100-4830	BOLT (M10X1.5X20-MM)	1	M	
4	277-4223	PLUG	1		

CAT codes: C, M.

280-2024 COVER GP-VALVE MECHANISM

280-2024 COVER GP-VALVE MECHANISM S/N C6E1-495 PART OF 242-1358 ENGINE AR-PRIMARY ALSO AN ATTACHMENT

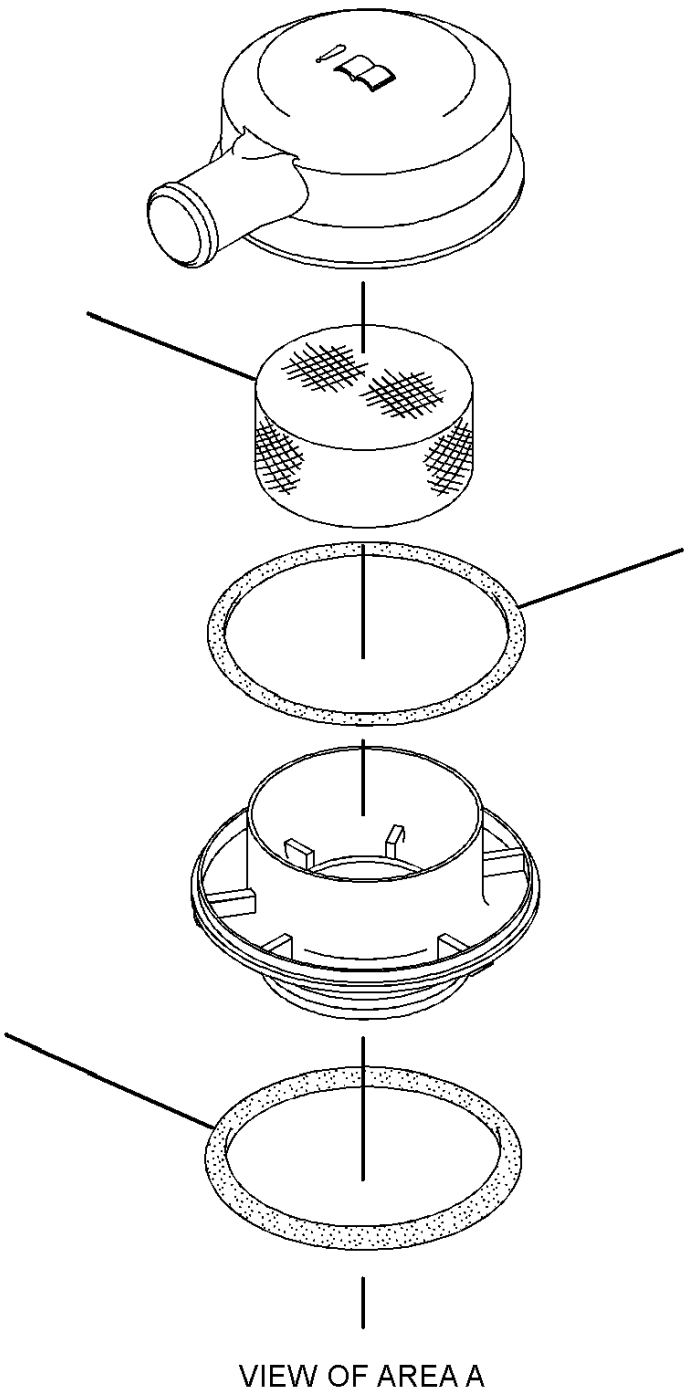
Drawing 1 of 2



REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

280-2024 COVER GP-VALVE MECHANISM (continued)

Drawing 2 of 2



Ref.	Part number	Description	Qty	Code	Group page
1	295-1000	COVER GP-VALVE MECHANISM	1	C	
3	295-1041	ADAPTER	1		
4	278-4693	GASKET-VALVE COVER	1		
5	278-4694	BREATHER AS (CRANKCASE)	1		
5A	185-3159	FILTER ELEMENT-BREATHER (CRANKCASE)	1		
5B	160-0526	SEAL-O-RING	1		

280-2024 COVER GP-VALVE MECHANISM (continued)

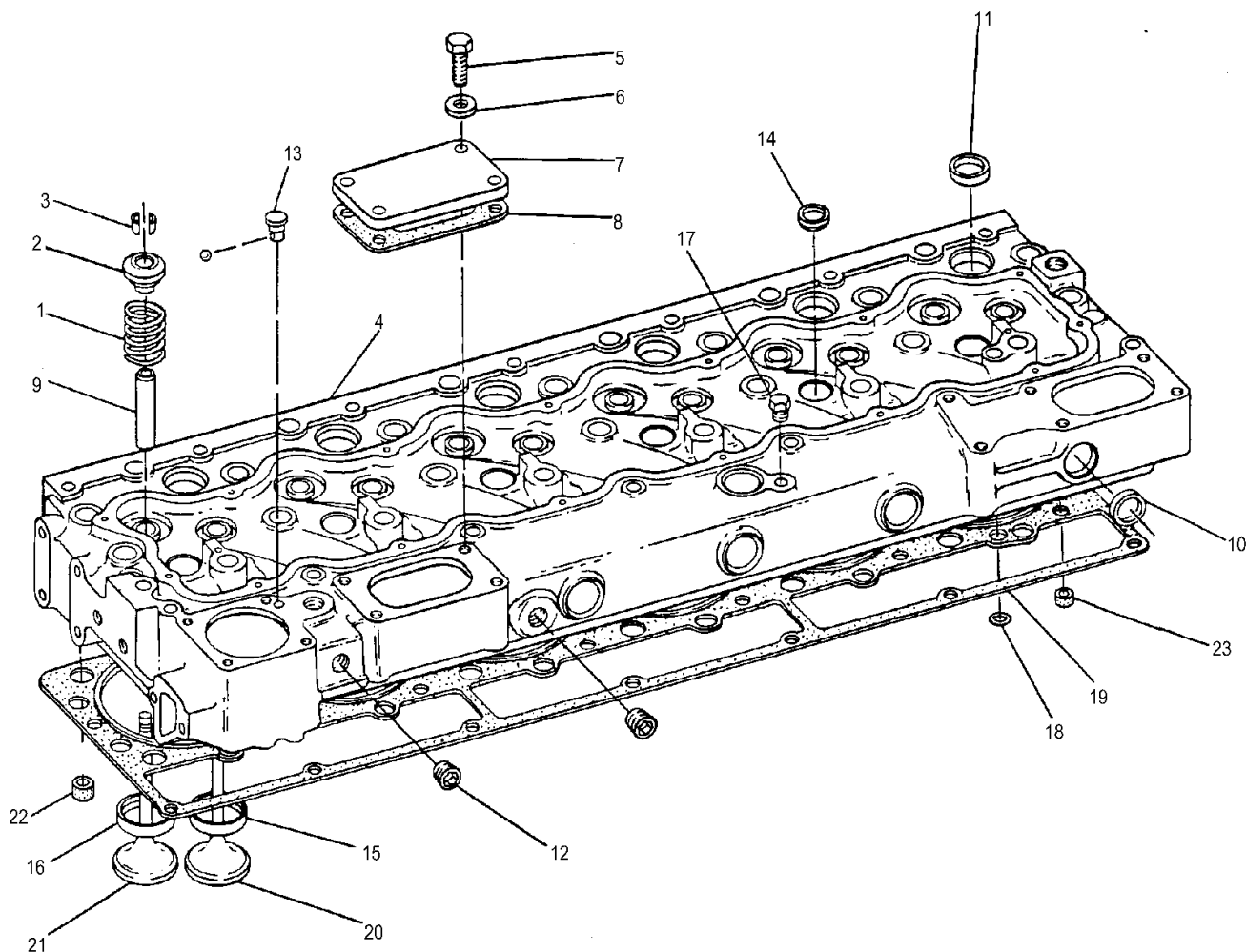
Ref.	Part number	Description	Qty	Code	Group page
5C	124-0506	SEAL	1		
6	277-5030	SEAL-O-RING	1		
7	295-1042	SCREW-TAPPING	4		
8	277-5031	BOLT-SPECIAL	15		
9	300-3965	HOUSING AS	1		
9A	277-5063	GASKET-COVER (BASE)	1		
9B	285-1975	HARNESS AS-WIRING (INJECTOR)	3		
9C	277-5064	SEAL-O-RING	3		
9D	277-5065	CLIP	3		
9E	277-5066	BOLT-SPECIAL (SHOULDER)	14		
10	277-5067	SLEEVE	6		
11	234-3587	HOSE-BREATHER (CRANKCASE)	1		
12	5D-1026	CLAMP-BAND	2		
13	280-2017	HOSE	1		
14	2S-3440	CLAMP-HOSE	2		
15	280-2020	BREATHER AS (CRANKCASE)	1		
16	6I-4374	BOLT (M8X1.25X60-MM)	2	M	
17	280-2023	HOSE	1		
18	278-5927	TUBE-BREATHER	1		
19	277-5094	COVER AS	1		
19A	277-5096	SEAL-O-RING	1		
20	6I-0217	BOLT (M8X1.25X20-MM)	1	M	

CAT codes: C, M.

305-8963 COVER GP-VALVE MECHANISM

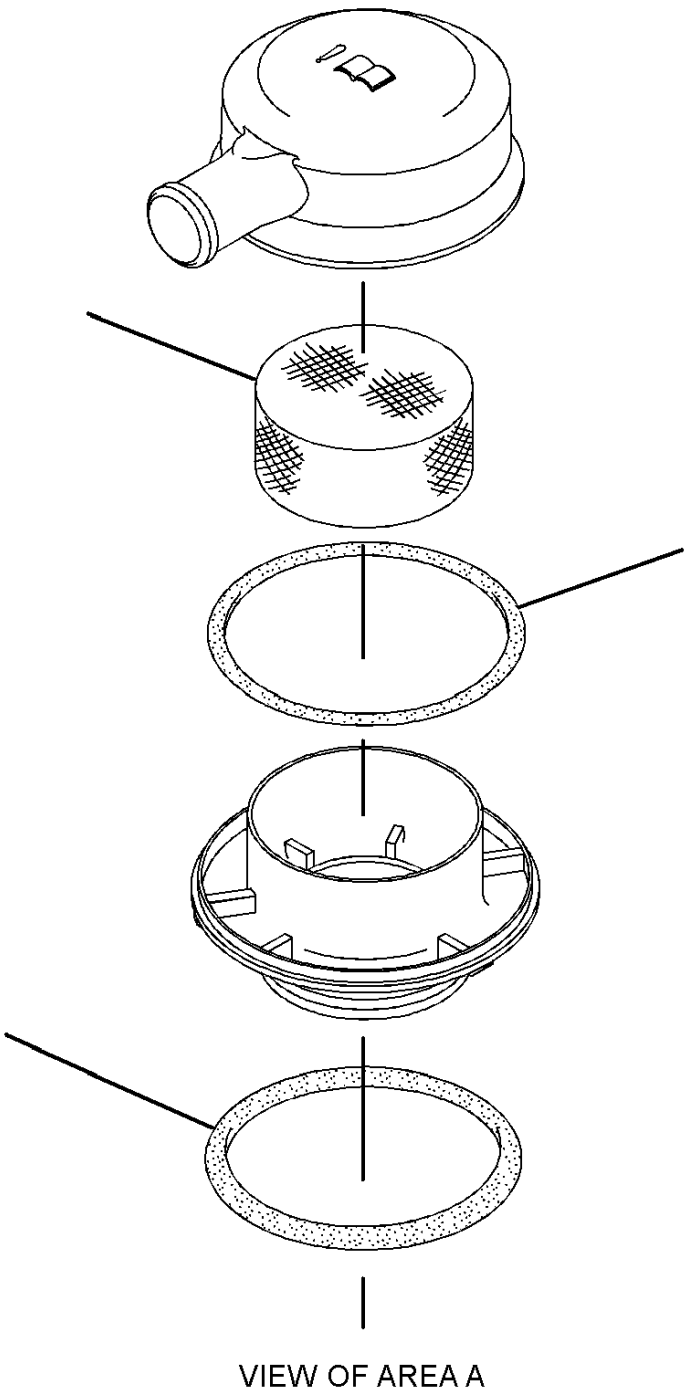
305-8963 COVER GP-VALVE MECHANISM S/N C6E1-1770 PART OF 242-1358, 362-9118 ENGINE AR-PRIMARY ALSO AN ATTACHMENT

Drawing 1 of 2



305-8963 COVER GP-VALVE MECHANISM (continued)

Drawing 2 of 2



Ref.	Part number	Description	Qty	Code	Group page
1	6I-0217	BOLT (M8X1.25X20-MM)	1	M	
2	6I-0291	NUT (M8X1.25-THD)	1	M	
3	103-1066	CLAMP-HOSE	2		
4	124-3815	BOLT (M8X1.25X16-MM)	1	M	
5	228-8960	CLIP	1		
6	277-5031	BOLT-SPECIAL	15		

305-8963 COVER GP-VALVE MECHANISM (continued)

Ref.	Part number	Description	Qty	Code	Group page
7	277-5067	SLEEVE	6		
8	277-5094	COVER AS	1		
8A	277-5096	SEAL-O-RING	1		
9	278-5927	TUBE-BREATHER	1		
10	295-1000	COVER GP-VALVE MECHANISM	1		
10A	277-5030	SEAL-O-RING	1		
10B	278-4693	GASKET-VALVE COVER	1		
10C	295-1041	ADAPTER	1		
10D	295-1042	SCREW-TAPPING	4		
10E	278-4694	BREATHER AS (CRANKCASE)	1		
10F	124-0506	SEAL	1		
10G	160-0526	SEAL-O-RING	1		
10H	185-3159	FILTER ELEMENT-BREATHER (CRANKCASE)	1		
11	300-3965	HOUSING AS	1		
11A	277-5063	GASKET-COVER (VALVE)	1		
11B	277-5064	SEAL-O-RING	3		
11C	277-5065	CLIP	3		
11D	277-5066	BOLT-SPECIAL (SHOULDER)	14		
11E	285-1975	HARNESS AS-WIRING (INJECTOR)	3		
12	305-8964	HOSE-BREATHER	1		

CAT codes: M.

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