

CATERPILLAR 428E

SNL / SEBP4199

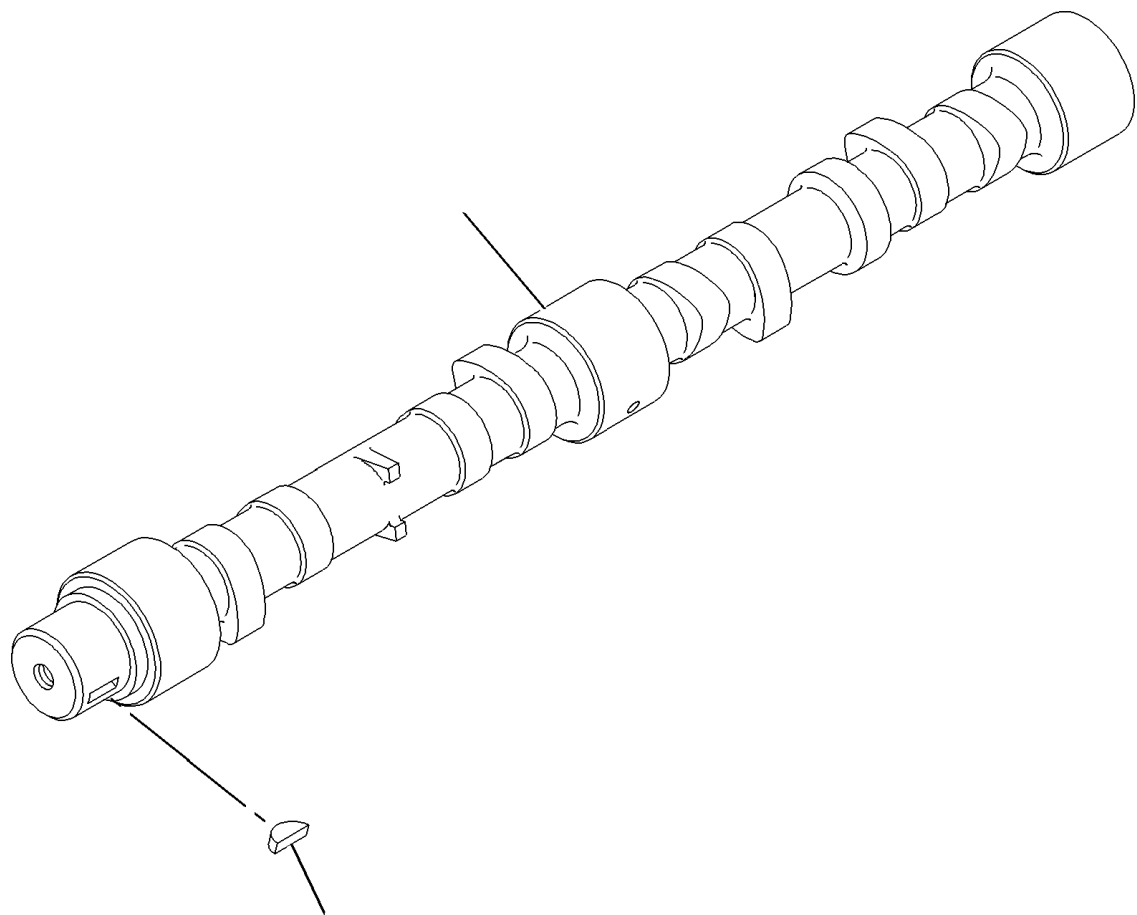
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232-7528 CAMSHAFT GP

232-7528 CAMSHAFT GP S/N G4D1-UP; CRS1-UP PART OF 319-2121 ENGINE AR, 227-4805, 245-6842 ENGINE AR-PRIMARY AN ATTACHMENT

Drawing 1 of 1

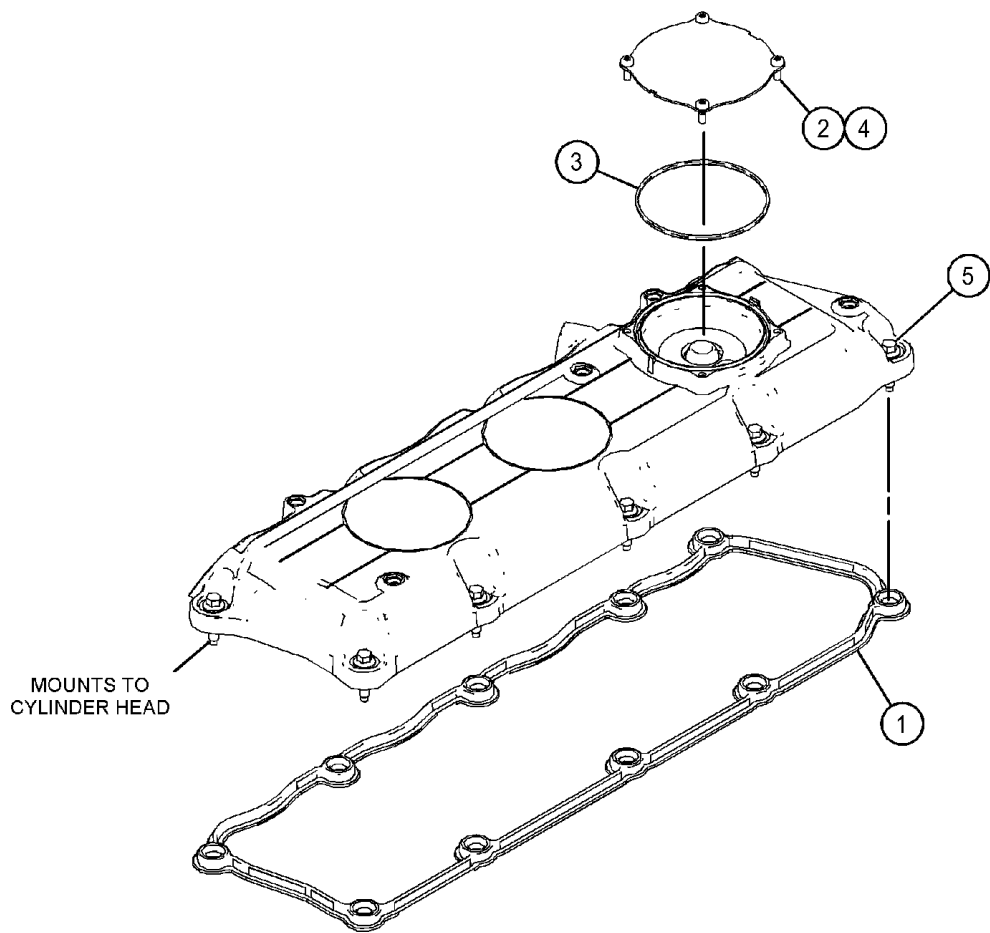


Ref.	Part number	Description	Qty	Code	Group page
1	1B-8736	KEY-WOODRUFF	1		
2	225-5967	CAMSHAFT	1		

446-9143 COVER GP-CYLINDER HEAD

446-9143 COVER GP-CYLINDER HEAD S/N G4D1-UP; CRS1-UP PART OF 246-2582, 335-9798 COVER GP-VALVE MECHANISM AN ATTACHMENT

Drawing 1 of 1

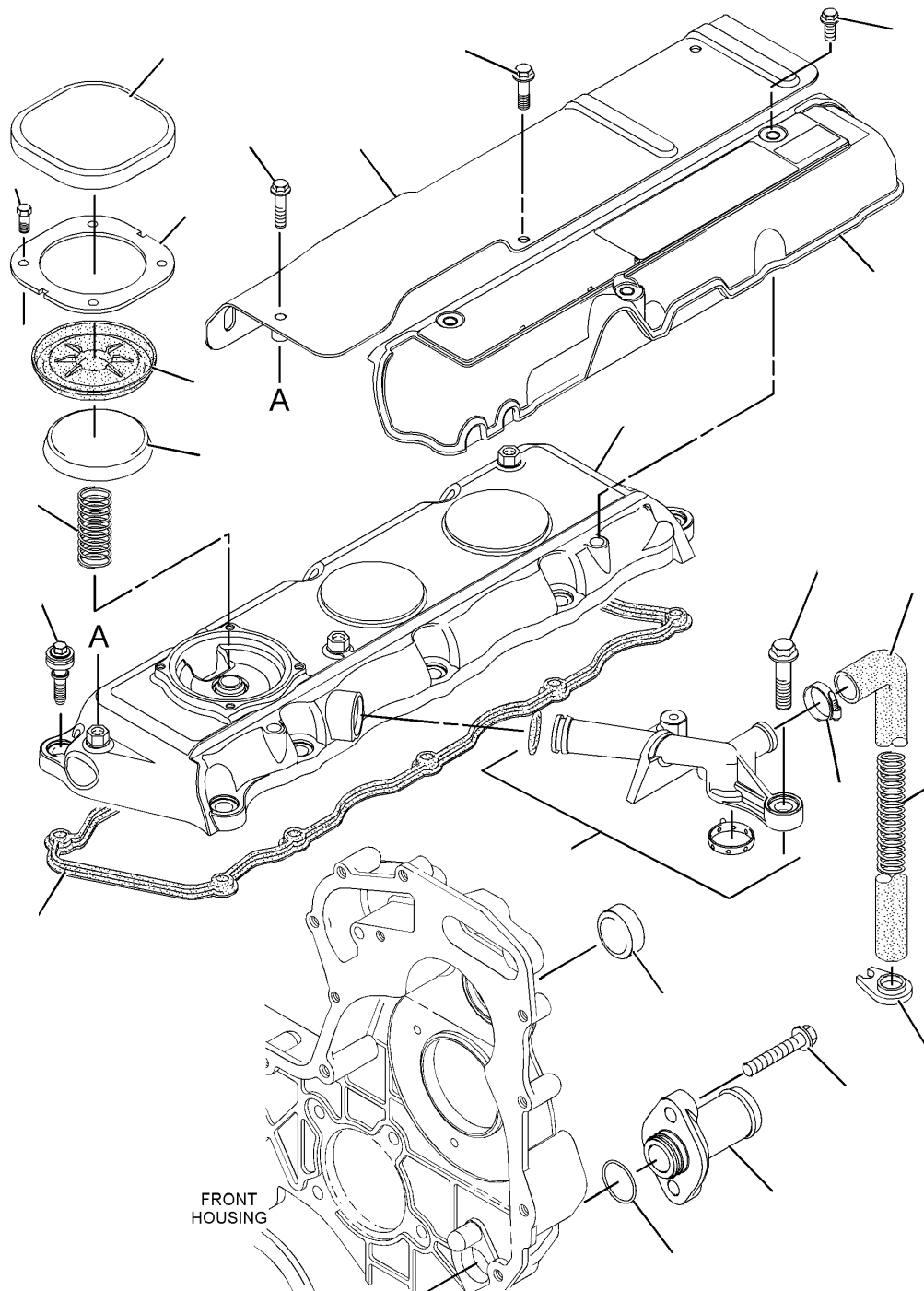


Ref.	Part number	Description	Qty	Code	Group page
1	225-6451	GASKET (VALVE COVER)	1		
2	225-6478	SCREW-MACHINE	4		
3	292-9008	SEAL	1		
4	431-1704	PLATE	1		
5	349-2746	BOLT	10		

246-2582 COVER GP-VALVE MECHANISM

246-2582 COVER GP-VALVE MECHANISM S/N G4D1-UP; CRS1-UP PART OF 227-4805, 245-6842 ENGINE AR-PRIMARY
Type 1 AN ATTACHMENT

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	6I-0260	BOLT (M8X1.25X25-MM)	2	M	
2	6I-0846	BOLT (M6X1X14-MM)	3	M	
3	6I-0917	BOLT (M6X1X25-MM)	1	M	
4	7C-1281	BRACKET	1		

246-2582 COVER GP-VALVE MECHANISM (continued)

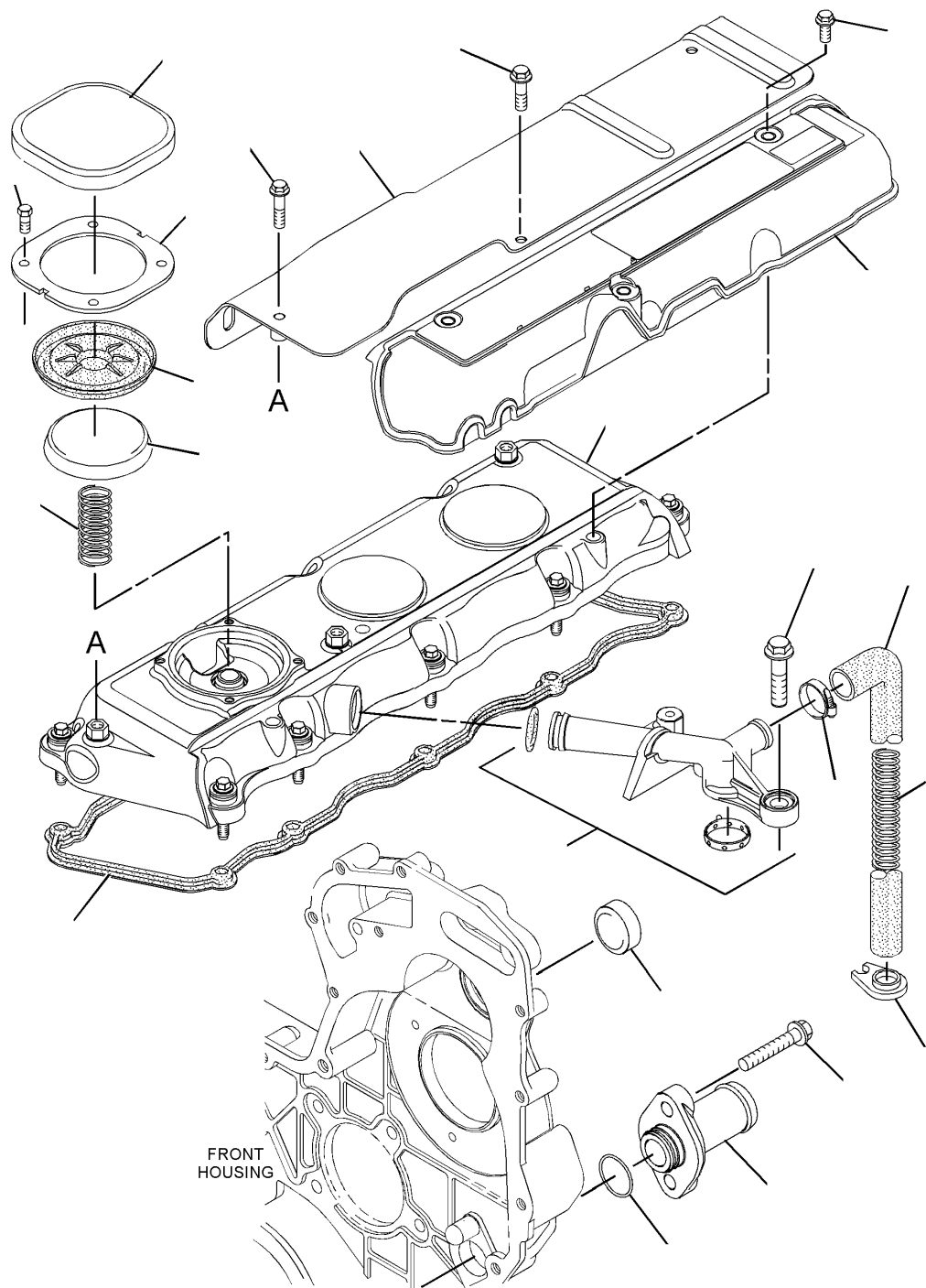
Ref.	Part number	Description	Qty	Code	Group page
5	100-4841	BOLT (M6X1X10-MM)	2	M	
6	5D-1026	CLAMP-BAND	1		
7	162-1565	SPRING (CRANKCASE BREATHER HOSE)	1		
8	198-8645	HOSE (CRANKCASE BREATHER)	1		
9	225-6522	PLUG-CUP	1		
10	230-9127	COVER (INJECTOR)	1		
11	287-8573	PIPE AS (BREATHER)	1	C	
12	237-0769	SHIELD-HEAT	1		
13	246-1163	FILLER AS-OIL	1		
13A	229-4896	SEAL-O-RING	1		
14	247-7798	COVER AS	1		
14A	225-6451	GASKET (VALVE COVER)	1		
14B	225-6455	BOLT (ISOLATOR)	10		
14C	225-6456	SPRING (BREATHER VALVE)	1		
14D	225-6461	CAP (BREATHER VALVE)	1		
14E	225-6464	DIAPHRAGM (CRANKCASE PRESSURE CONTACTOR)	1		
14F	225-6477	PLATE	1		
14G	225-6478	SCREW-MACHINE	4		
14H	225-6479	CAP (BREATHER VALVE)	1		
15	100-4838	BOLT (M6X1X20-MM)	2	CM	
	237-0022	PLATE	1	F	

CAT codes: C, F, M, R.

246-2582 COVER GP-VALVE MECHANISM

246-2582 COVER GP-VALVE MECHANISM S/N G4D1-UP; CRS1-UP PART OF 227-4805, 245-6842 ENGINE AR-PRIMARY
Type 2 AN ATTACHMENT

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	6I-0260	BOLT (M8X1.25X25-MM)	2	M	
2	6I-0846	BOLT (M6X1X14-MM)	3	M	
3	6I-0917	BOLT (M6X1X25-MM)	1	M	
4	7C-1281	BRACKET	1		

246-2582 COVER GP-VALVE MECHANISM (continued)

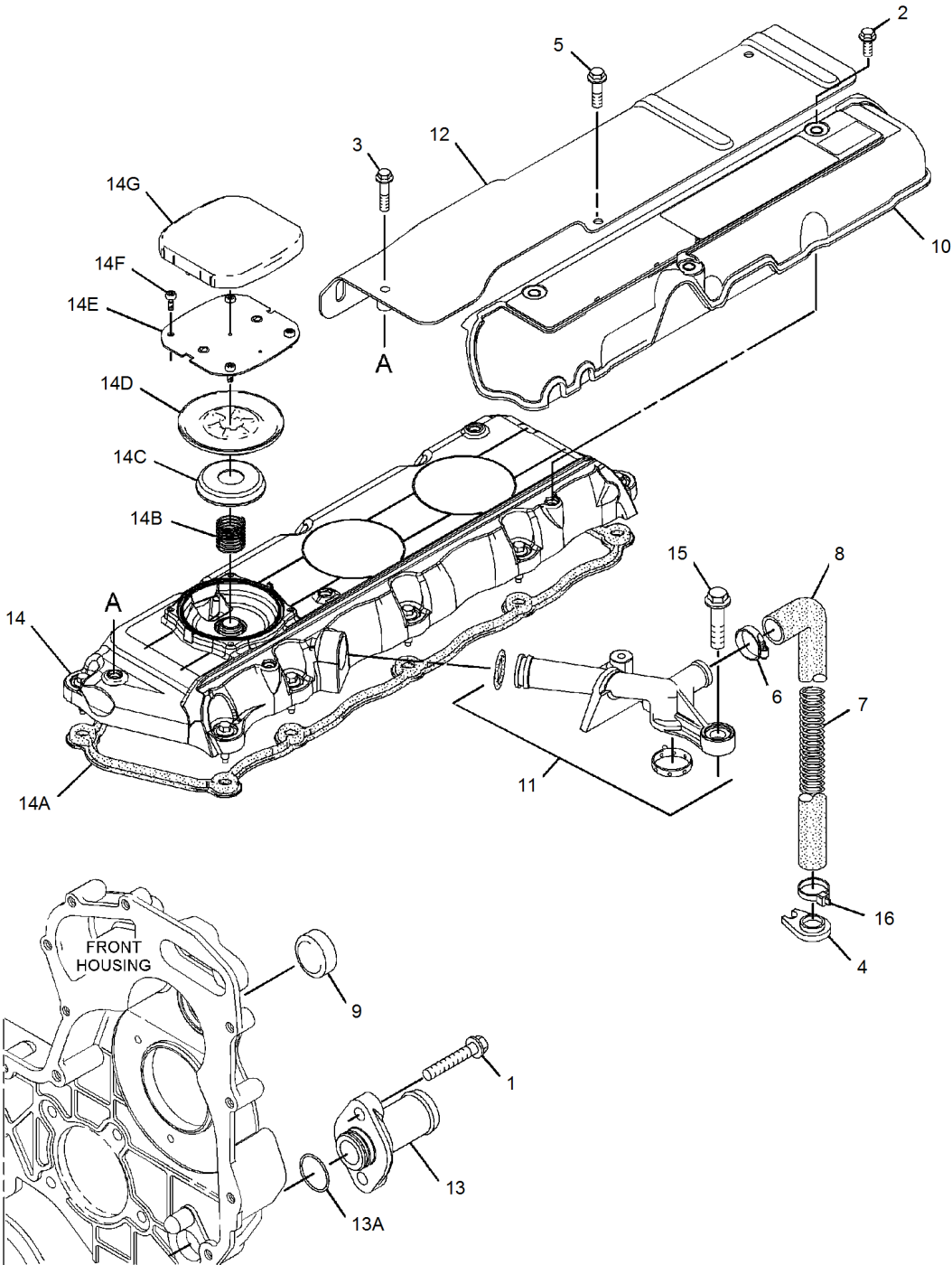
Ref.	Part number	Description	Qty	Code	Group page
5	100-4841	BOLT (M6X1X10-MM)	2	M	
6	5D-1026	CLAMP-BAND	1		
7	162-1565	SPRING (CRANKCASE BREATHER HOSE)	1		
8	198-8645	HOSE (CRANKCASE BREATHER)	1		
9	225-6522	PLUG-CUP	1		
10	230-9127	COVER (INJECTOR)	1		
11	287-8573	PIPE AS (BREATHER)	1		
12	237-0769	SHIELD-HEAT	1		
13	246-1163	FILLER AS-OIL (ENGINE)	1		
13A	229-4896	SEAL-O-RING	1		
14	308-1792	COVER GP-VALVE MECHANISM	1	C	
14A	225-6451	GASKET (VALVE COVER)	1		
14B	225-6456	SPRING (BREATHER VALVE)	1		
14C	225-6461	CAP (BREATHER VALVE)	1		
14D	225-6464	DIAPHRAGM (CRANKCASE PRESSURE CONTACTOR)	1		
14E	225-6477	PLATE	1		
14F	225-6478	SCREW-MACHINE	4		
14G	225-6479	CAP (BREATHER VALVE)	1		
15	100-4838	BOLT (M6X1X20-MM)	2	M	
	237-0022	PLATE	1	F	

CAT codes: C, F, M, R.

246-2582 COVER GP-VALVE MECHANISM

246-2582 COVER GP-VALVE MECHANISM S/N G4D1-UP; CRS1-UP PART OF 227-4805, 245-6842 ENGINE AR-PRIMARY
Type 3 AN ATTACHMENT

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	6I-0260	BOLT (M8X1.25X25-MM)	2	M	
2	6I-0846	BOLT (M6X1X14-MM)	3	M	
3	6I-0917	BOLT (M6X1X25-MM)	1	M	
4	7C-1281	BRACKET	1		

246-2582 COVER GP-VALVE MECHANISM (continued)

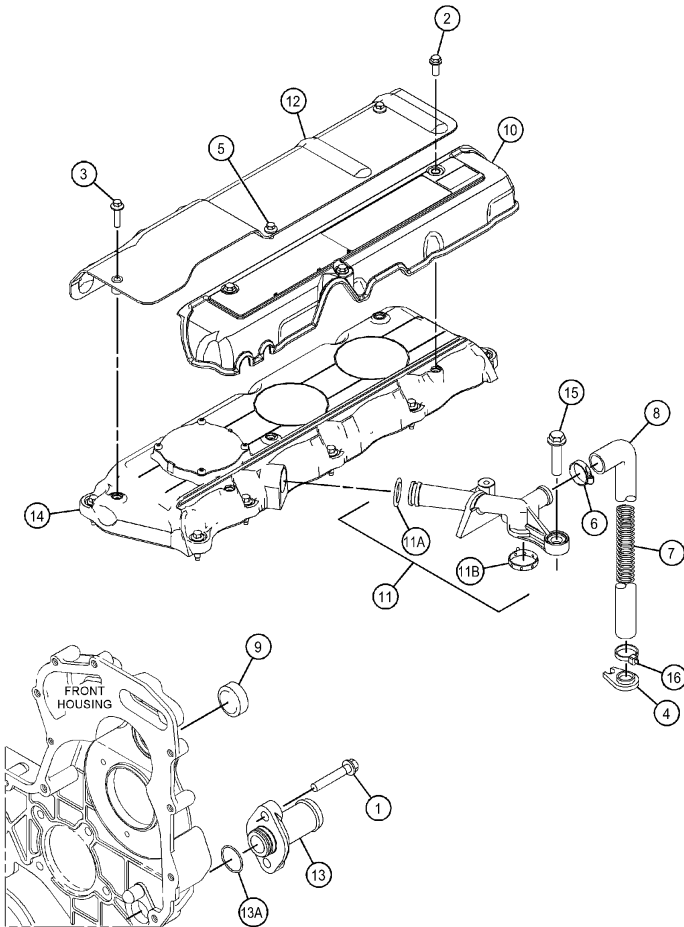
Ref.	Part number	Description	Qty	Code	Group page
5	100-4841	BOLT (M6X1X10-MM)	2	M	
6	5D-1026	CLAMP-BAND	1		
7	162-1565	SPRING (CRANKCASE BREATHER HOSE)	1		
8	198-8645	HOSE (CRANKCASE BREATHER)	1		
9	225-6522	PLUG-CUP	1		
10	230-9127	COVER (INJECTOR)	1		
11	287-8573	PIPE AS (BREATHER)	1		
12	237-0769	SHIELD-HEAT	1		
13	317-3769	FILLER GP-ENGINE OIL (ENGINE)	1	C	
13A	317-3778	SEAL-O-RING	1	C	
14	308-1792	COVER GP-VALVE MECHANISM	1		
14A	225-6451	GASKET (VALVE COVER)	1		
14B	225-6456	SPRING (BREATHER VALVE)	1		
14C	225-6461	CAP (BREATHER VALVE)	1		
14D	225-6464	DIAPHRAGM (CRANKCASE PRESSURE CONTACTOR)	1		
14E	225-6477	PLATE	1		
14F	225-6478	SCREW-MACHINE	4		
14G	225-6479	CAP (BREATHER VALVE)	1		
15	100-4838	BOLT (M6X1X20-MM)	2	M	
16	217-9039	STRAP-CABLE	1		
	237-0022	PLATE	1	F	

CAT codes: C, F, M, R.

246-2582 COVER GP-VALVE MECHANISM

246-2582 COVER GP-VALVE MECHANISM S/N G4D1-UP; CRS1-UP PART OF 227-4805, 245-6842 ENGINE AR-PRIMARY
Type 4 AN ATTACHMENT

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	6I-0260	BOLT (M8X1.25X25-MM)	2	M	
2	6I-0846	BOLT (M6X1X14-MM)	3	M	
3	6I-0917	BOLT (M6X1X25-MM)	1	M	
4	7C-1281	BRACKET	1		
5	100-4841	BOLT (M6X1X10-MM)	2	M	
6	5D-1026	CLAMP-BAND	1		
7	162-1565	SPRING (CRANKCASE BREATHER HOSE)	1		
8	198-8645	HOSE (CRANKCASE BREATHER)	1		
9	225-6522	PLUG-CUP	1		
10	230-9127	COVER (INJECTOR)	1		
11	287-8573	PIPE AS (BREATHER)	1		
11A	150-7732	SEAL-O-RING	1		
11B	286-3030	RING-SEAL	1		
12	237-0769	SHIELD-HEAT	1		

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