

CATERPILLAR 228

6BZ / SEBP2849

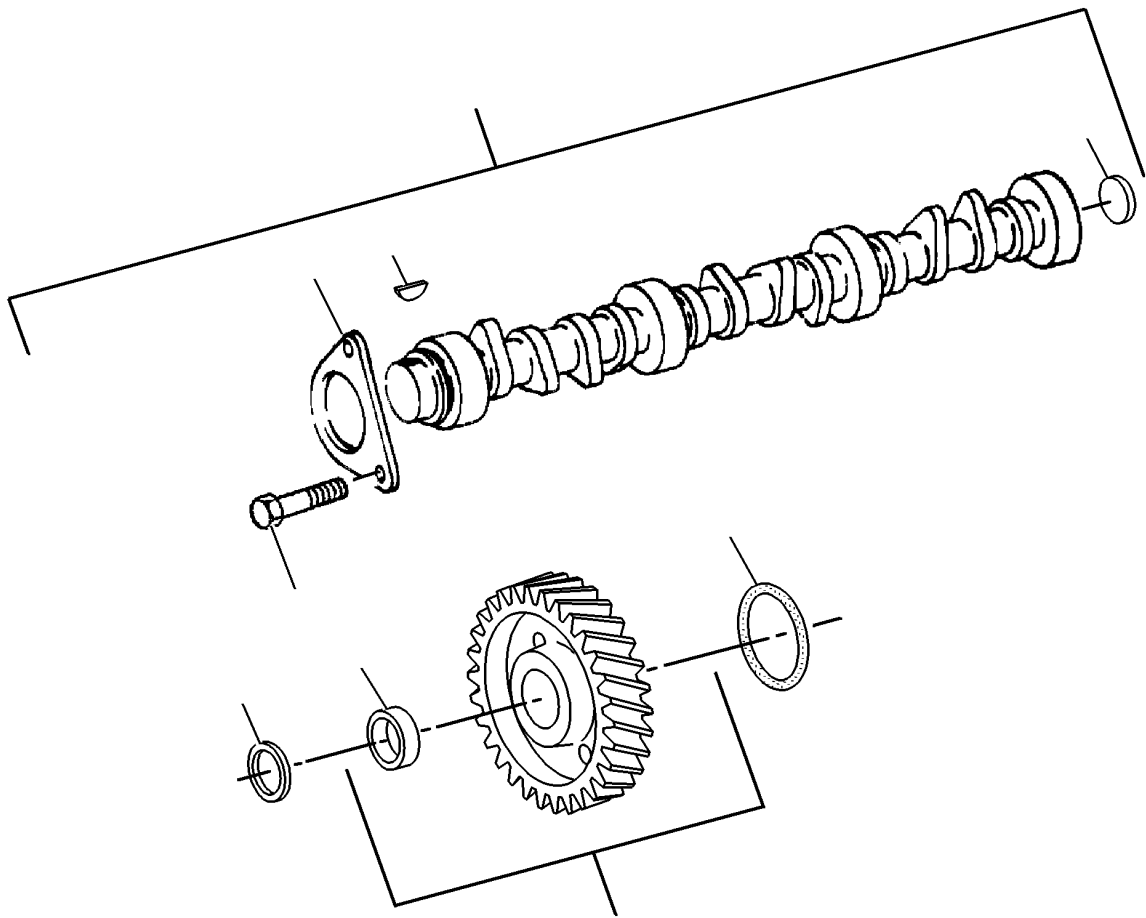
Contents

Section	Page
Basic engine	2
Lubrication system	
Cooling system	
Air inlet and exhaust	
Fuel system	
Basic engine	
Basic engine	
Electrical and electronics	
Hydraulic system	
Basic engine	
Hydraulic system	
Steering and brakes	
Hydraulic system	
Fuel system	
Catalog items	

171-2824 CAMSHAFT GP

171-2824 CAMSHAFT GP S/N 3NW1-UP PART OF 144-6194, 147-1232 ENGINE AR-PRIMARY

Drawing 1 of 1



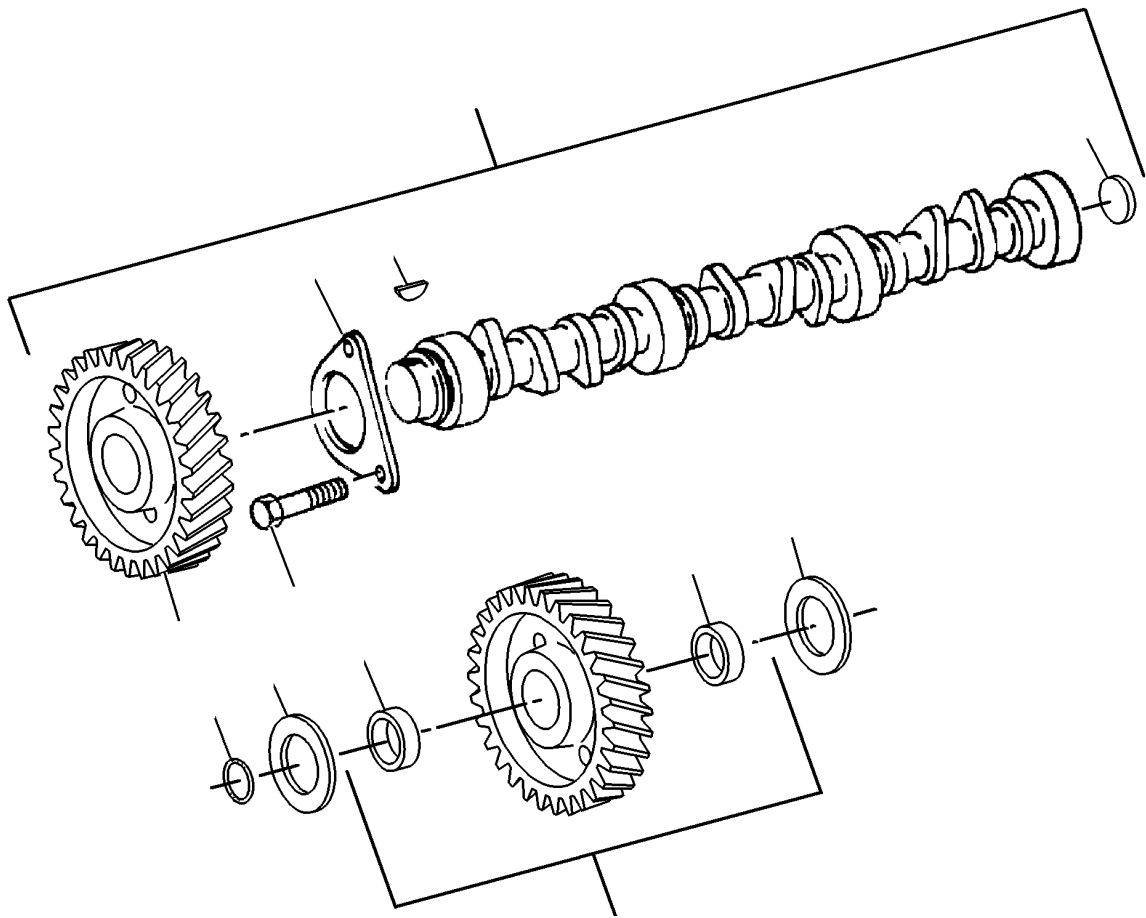
Ref.	Part number	Description	Qty	Code	Group page
1	100-4841	BOLT (M6X1X10-MM)	2	M	
2	152-6866	GEAR AS-IDLER (59-TEETH)	1		
3	152-6867	BUSHING	2		
4	152-6868	WASHER (32X50X2.4)	2		
5	152-6869	SEAL-O-RING	1		
6	173-9855	CAMSHAFT AS	1		
7	152-6862	PLUG	1		
9	152-6864	KEY-WOODRUFF	1		
10	164-7606	PLATE	1		
	152-6560	BUSHING	1	F	

CAT codes: F, M.

176-0735 CAMSHAFT GP

176-0735 CAMSHAFT GP S/N 3NW727-1232 PART OF 159-9213 ENGINE AR-PRIMARY

Drawing 1 of 1



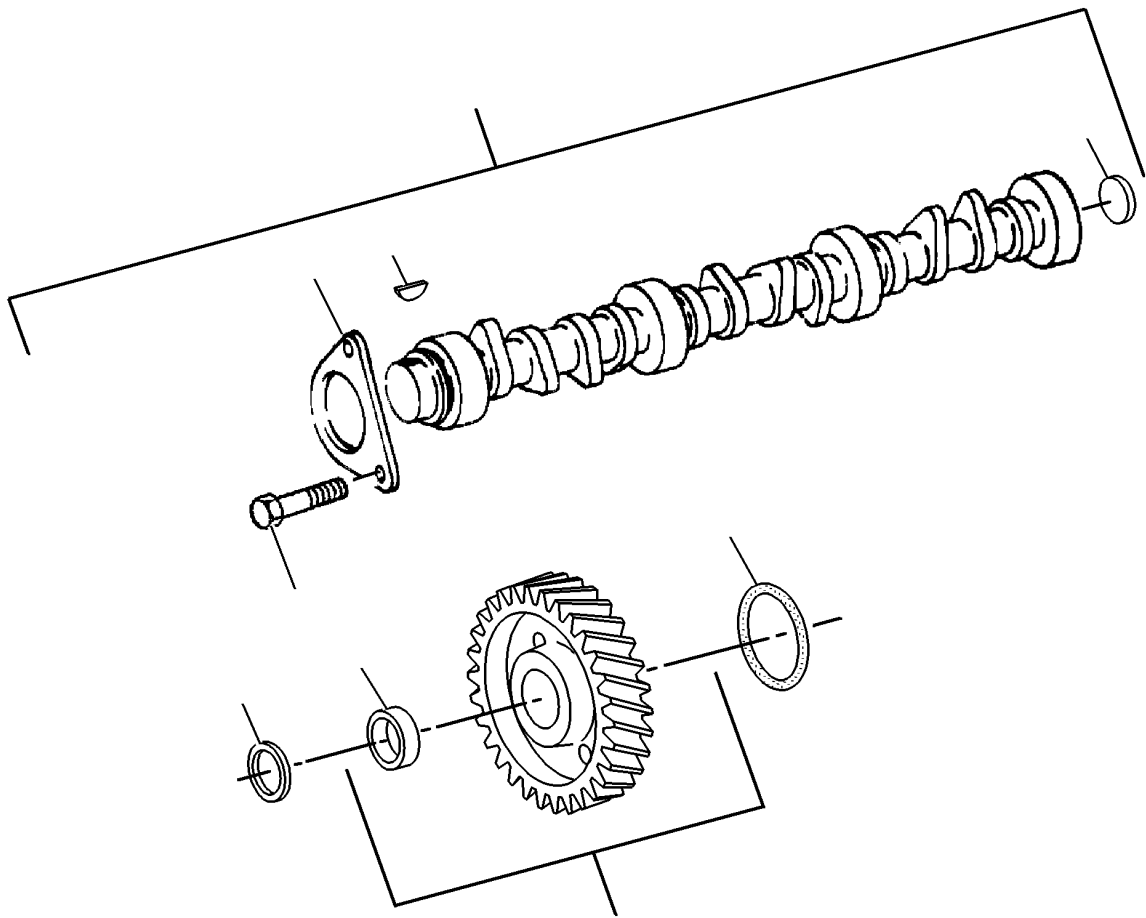
Ref.	Part number	Description	Qty	Code	Group page
1	100-4841	BOLT (M6X1X10-MM)	2	M	
2	173-9855	CAMSHAFT AS	1		
3	164-7606	PLATE	1		
4	152-6862	PLUG	1		
5	152-6863	GEAR-CAMSHAFT (60-TEETH)	1		
6	152-6864	KEY-WOODRUFF	1		
7	152-6866	GEAR AS-IDLER (59-TEETH)	1		
8	152-6867	BUSHING	2		
9	152-6869	SEAL-O-RING	1		
10	152-6868	WASHER (32X50X2.4)	2		

CAT codes: M.

188-9065 CAMSHAFT GP

188-9065 CAMSHAFT GP S/N 3NW1233-UP PART OF 159-9213 ENGINE AR-PRIMARY

Drawing 1 of 1



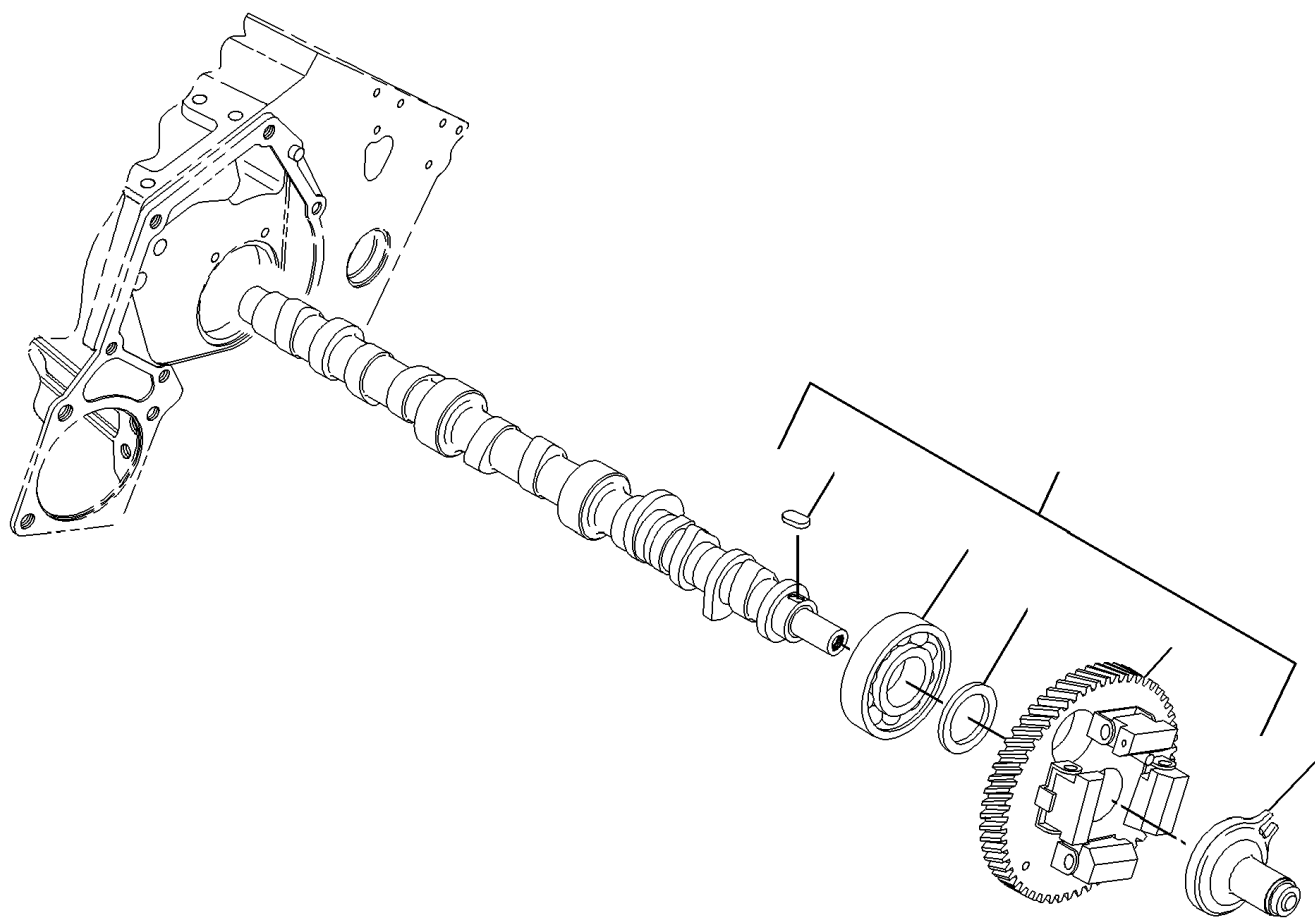
Ref.	Part number	Description	Qty	Code	Group page
1	100-4841	BOLT (M6X1X10-MM)	2	M	
2	152-6866	GEAR AS-IDLER (59-TEETH)	1		
3	152-6867	BUSHING	2		
4	152-6868	WASHER (32X50X2.4)	2		
5	152-6869	SEAL-O-RING	1		
6	188-9077	CAMSHAFT AS	1		
7	152-6862	PLUG	1		
9	152-6864	KEY-WOODRUFF	1		
10	152-6865	COVER	1		

CAT codes: M.

217-7143 CAMSHAFT GP

217-7143 CAMSHAFT GP S/N GGA1-UP; CSD1-UP PART OF 179-1808 ENGINE AR-PRIMARY AN ATTACHMENT

Drawing 1 of 1

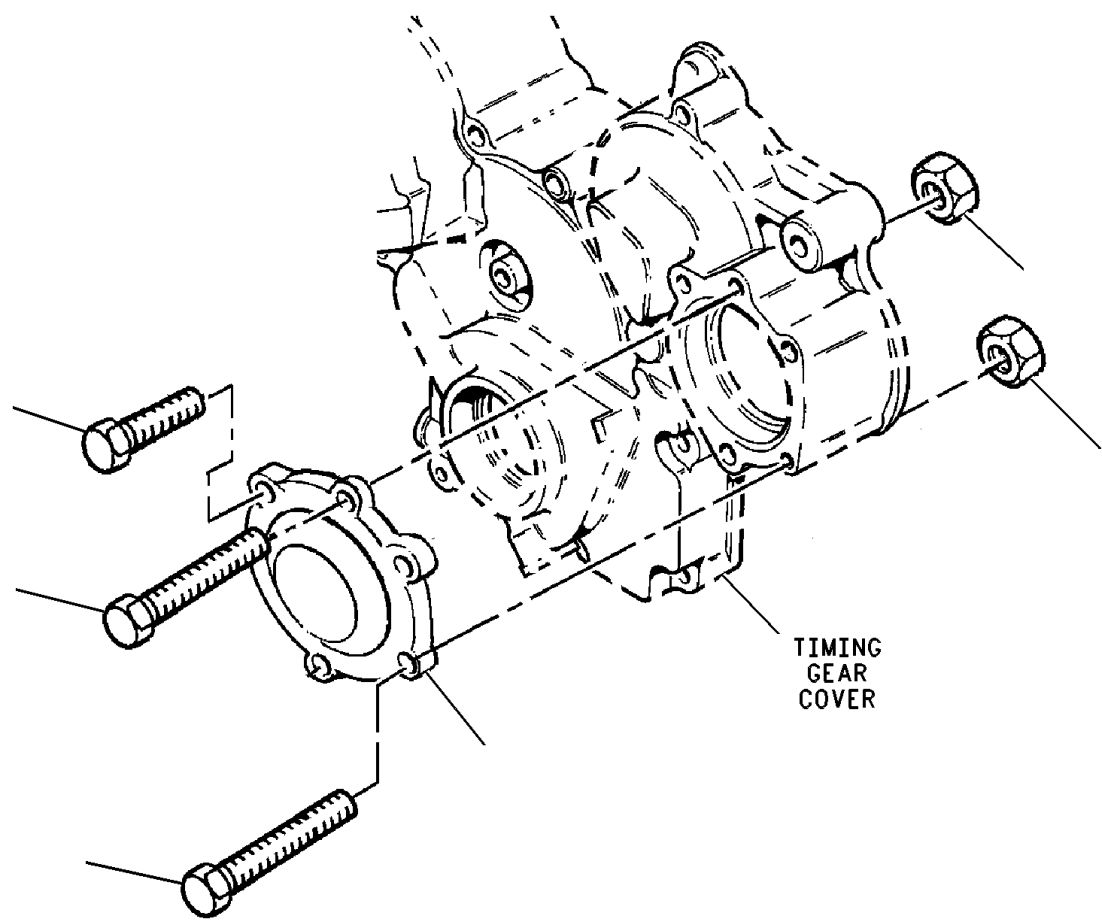


Ref.	Part number	Description	Qty	Code	Group page
1	217-7174	TAPPET	1		
2	217-7139	CAMSHAFT AS	1		
3	153-6492	KEY-WOODRUFF	1		
4	183-3606	SPACER	1		
5	154-4508	GEAR-CAMSHAFT (66-TEETH)	1		
6	154-4505	BEARING	1		

164-7623 COVER GP-FRONT HOUSING

164-7623 COVER GP-FRONT HOUSING S/N 3NW1-7997 PART OF 144-6194, 147-1232 ENGINE AR-PRIMARY

Drawing 1 of 1



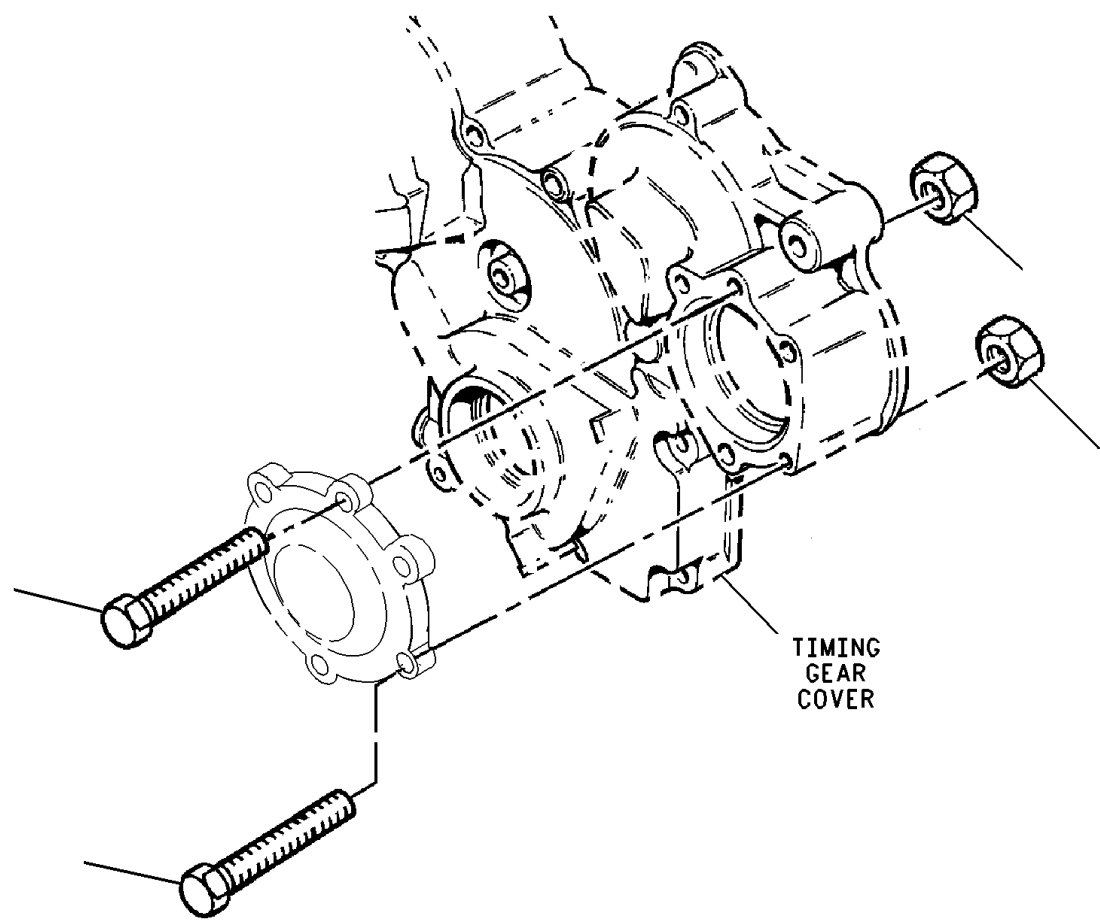
Ref.	Part number	Description	Qty	Code	Group page
1	6I-0291	NUT (M8X1.25-THD)	2	M	
2	6I-0447	BOLT (M6X1X16-MM)	1		
3	6I-0594	NUT (M10X1.5-THD)	2	M	
4	101-3771	BOLT (M8X1.25X85-MM)	2	M	
5	103-5687	BOLT (M10X1.5X85-MM)	2	M	
6	159-0055	COVER	1		
	159-0056	COMPOUND-THREAD LOCK		BF	

CAT codes: B, F, M.

164-7623 COVER GP-FRONT HOUSING

164-7623 COVER GP-FRONT HOUSING S/N 3NW7998-UP PART OF 144-6194, 147-1232 ENGINE AR-PRIMARY

Drawing 1 of 1



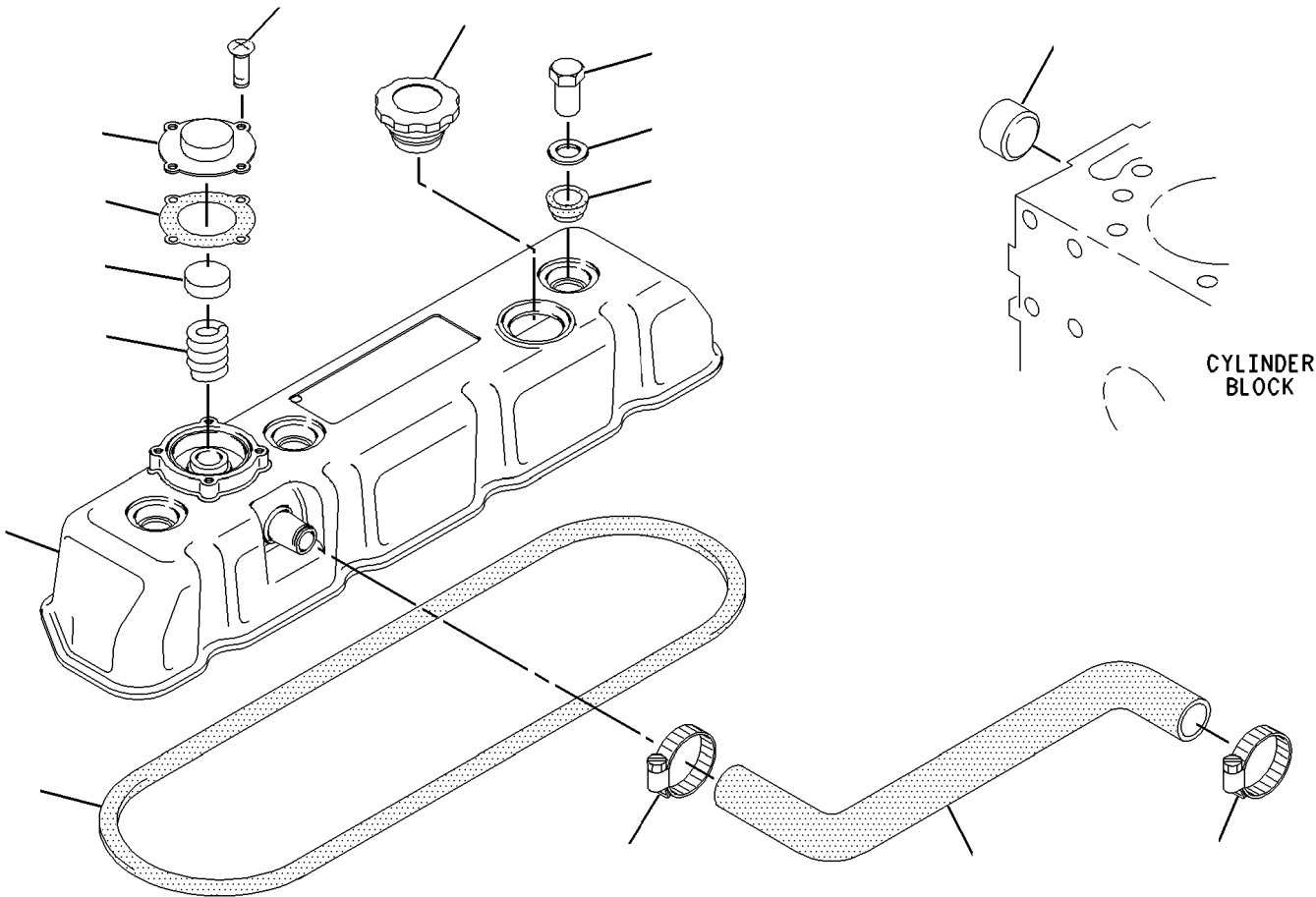
Ref.	Part number	Description	Qty	Code	Group page
1	178-3336	NUT-HEX FLANGE (M8X1.25-THD)	2	M	
2	100-4463	BOLT (M10X1.5X80-MM)	2	M	
3	6I-0594	NUT (M10X1.5-THD)	2	M	
4	6I-0293	BOLT (M8X1.25X80-MM)	2	M	

CAT codes: M.

153-0115 COVER GP-VALVE MECHANISM

153-0115 COVER GP-VALVE MECHANISM S/N 3NW1-UP PART OF 144-6194, 147-1232 ENGINE AR-PRIMARY

Drawing 1 of 1

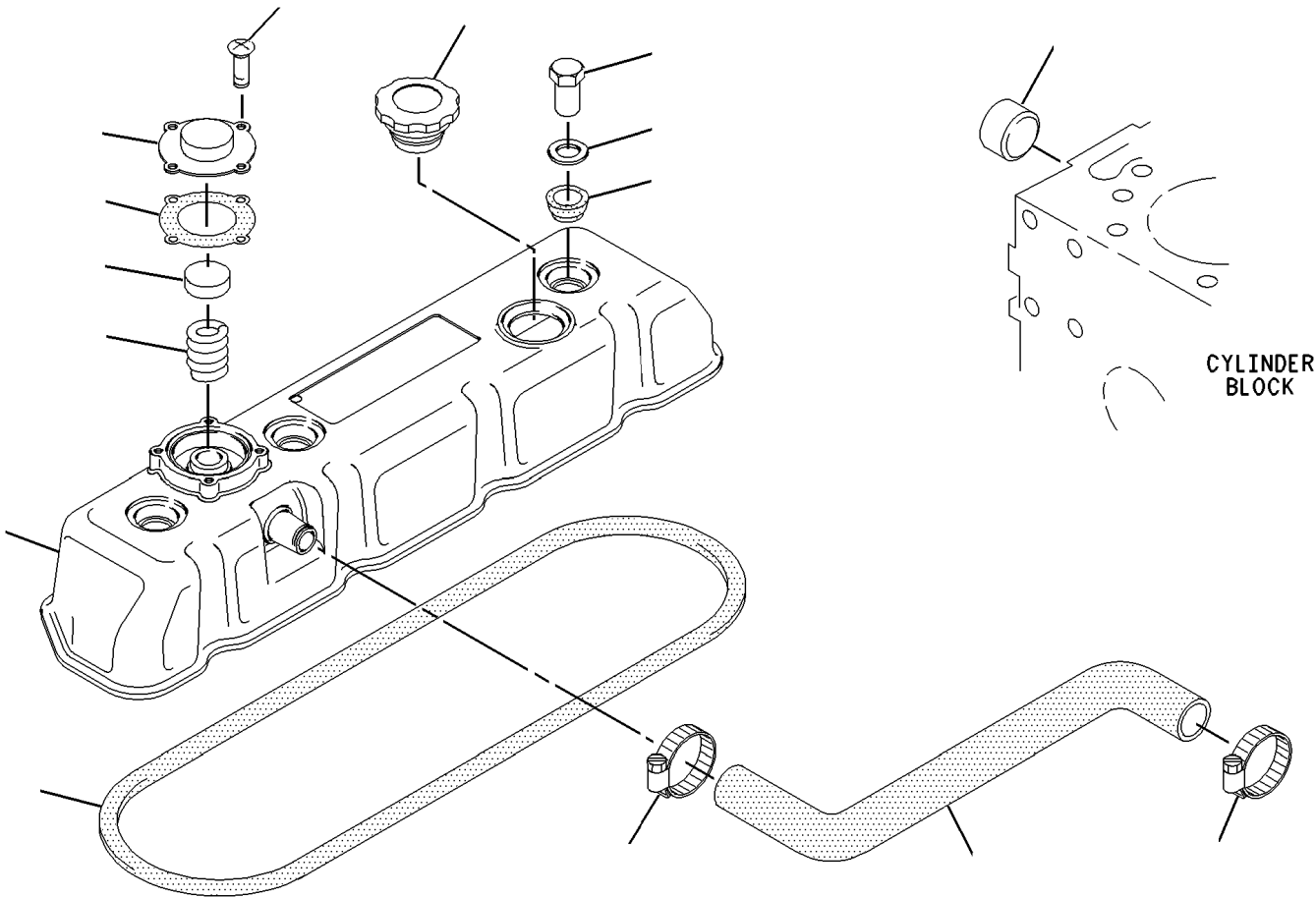


Ref.	Part number	Description	Qty	Code	Group page
1	4B-4281	WASHER (16.8X33X2.5-MM THK)	3		
2	067-6006	PLUG	1		
3	5D-1026	CLAMP-BAND	2		
4	101-3675	SEAL	3		
5	153-0104	HOSE (FUMES DISPOSAL)	1		
6	153-0105	SPRING	1		
7	153-0106	PLATE	1		
8	180-2428	DIAPHRAGM (CRANKCASE PRESSURE CONTACTOR)	1		
9	153-0108	COVER	1		
10	170-7666	CAP-OIL (ENGINE)	1		
11	153-0112	NUT	3		
12	153-0117	BOLT (4X10)	4		
13	195-9244	COVER-VALVE	1		
14	177-3304	GASKET-VALVE COVER	1		

176-0751 COVER GP-VALVE MECHANISM

176-0751 COVER GP-VALVE MECHANISM S/N 3NW727-UP PART OF 159-9213 ENGINE AR-PRIMARY

Drawing 1 of 1

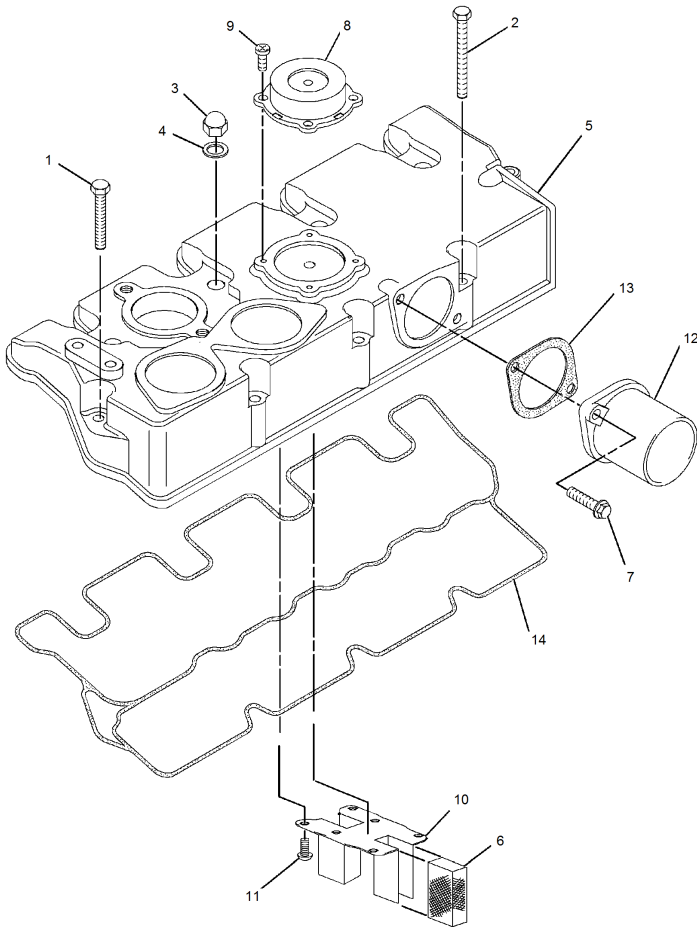


Ref.	Part number	Description	Qty	Code	Group page
1	4B-4281	WASHER (16.8X33X2.5-MM THK)	3		
2	067-6006	PLUG	2		
3	5D-1026	CLAMP-BAND	2		
4	101-3675	SEAL	3		
5	153-0104	HOSE (FUMES DISPOSAL)	1		
6	153-0105	SPRING	1		
7	153-0106	PLATE	1		
8	180-2428	DIAPHRAGM	1		
9	153-0108	COVER	1		
10	170-7666	CAP-OIL (ENGINE)	1		
11	153-0112	NUT	3		
12	153-0117	BOLT (4X10)	4		
13	195-9244	COVER-VALVE	1		
14	159-0082	GASKET-VALVE COVER	1		

217-5867 COVER GP-VALVE MECHANISM

217-5867 COVER GP-VALVE MECHANISM S/N GGA1-UP; CSD1-UP PART OF 179-1808 ENGINE AR-PRIMARY AN ATTACHMENT

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	165-2140	BOLT AS	2		
2	153-5962	BOLT AS	3		
3	539-0439	NUT (M10X1.25-THD)	4	M	
4	246-4361	WASHER (10.5X14X1.5-MM THK)	4		
5	476-5582	COVER-HEAD	1		
6	153-5939	STOPPER (OIL)	1		
7	153-7640	BOLT AS	2		
8	217-5859	VALVE-BREATHER (CRANKCASE)	1		
9	217-5860	BOLT (M4X0.7X8-MM)	4	M	
10	320-8401	PLATE-RETAINING	1		
11	217-5862	SCREW (SELF-TAPPING)	6		

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