

CATERPILLAR 228

6BZ / SEBP3429

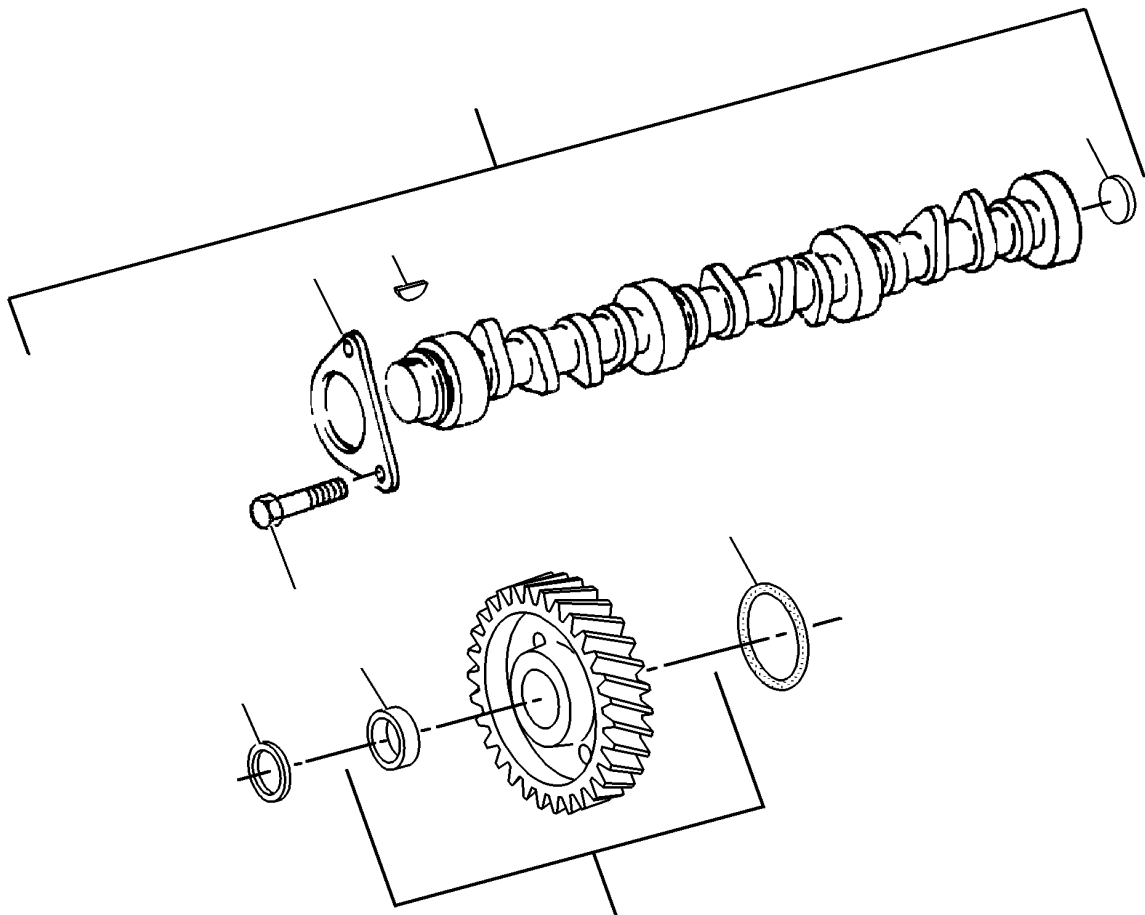
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188-9065 CAMSHAFT GP

188-9065 CAMSHAFT GP S/N 3NW12500-99999 PART OF 159-9213 ENGINE AR-PRIMARY

Drawing 1 of 1



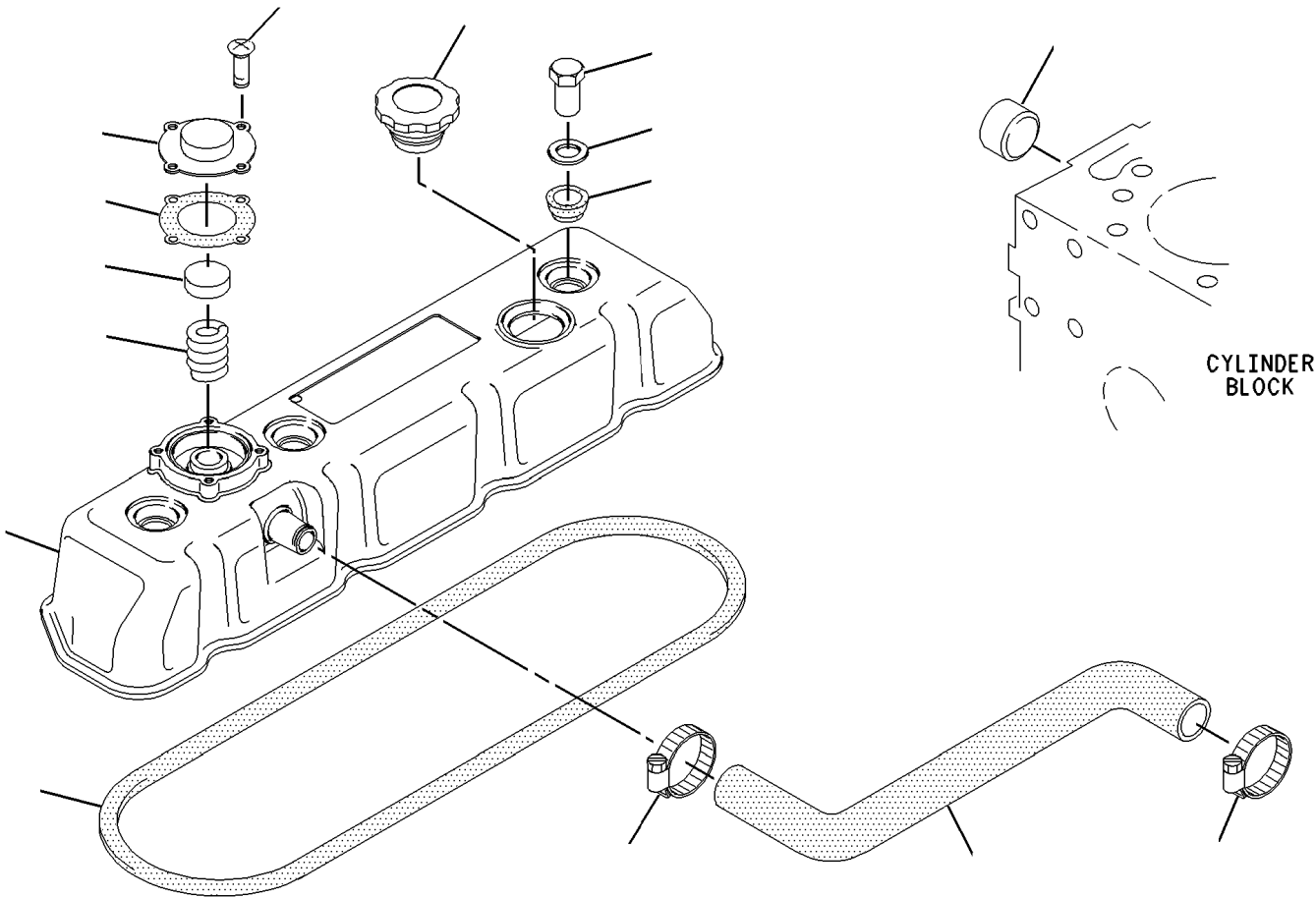
Ref.	Part number	Description	Qty	Code	Group page
1	100-4841	BOLT (M6X1X10-MM)	2	M	
2	152-6866	GEAR AS-IDLER (59-TEETH)	1		
3	152-6867	BUSHING	2		
4	152-6868	WASHER (32X50X2.4)	2		
5	152-6869	SEAL-O-RING	1		
6	188-9077	CAMSHAFT AS	1		
7	152-6862	PLUG	1		
9	152-6864	KEY-WOODRUFF	1		
10	152-6865	COVER	1		

CAT codes: M.

176-0751 COVER GP-VALVE MECHANISM

176-0751 COVER GP-VALVE MECHANISM S/N 3NW12500-99999 PART OF 159-9213 ENGINE AR-PRIMARY

Drawing 1 of 1

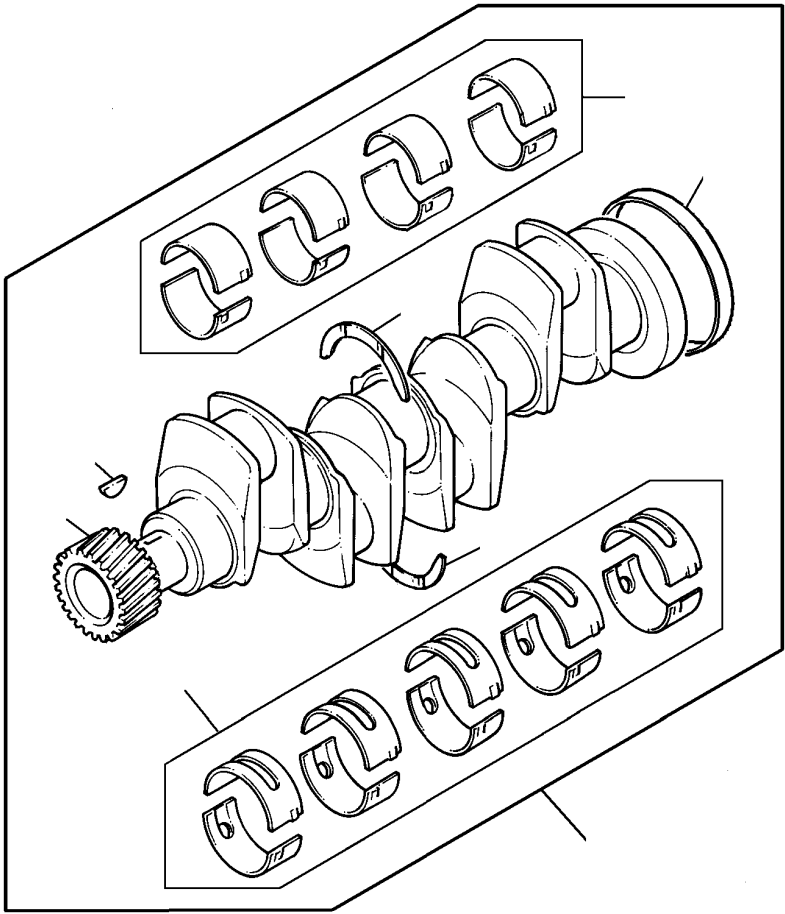


Ref.	Part number	Description	Qty	Code	Group page
1	4B-4281	WASHER (16.8X33X2.5-MM THK)	3		
2	067-6006	PLUG	2		
3	5D-1026	CLAMP-BAND	2		
4	101-3675	SEAL	3		
5	153-0104	HOSE (FUMES DISPOSAL)	1		
6	153-0105	SPRING	1		
7	153-0106	PLATE	1		
8	180-2428	DIAPHRAGM	1		
9	153-0108	COVER	1		
10	170-7666	CAP-OIL (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		

188-9039 CRANKSHAFT GP

188-9039 CRANKSHAFT GP S/N 3NW12500-99999 PART OF 159-9213 ENGINE AR-PRIMARY

Drawing 1 of 1



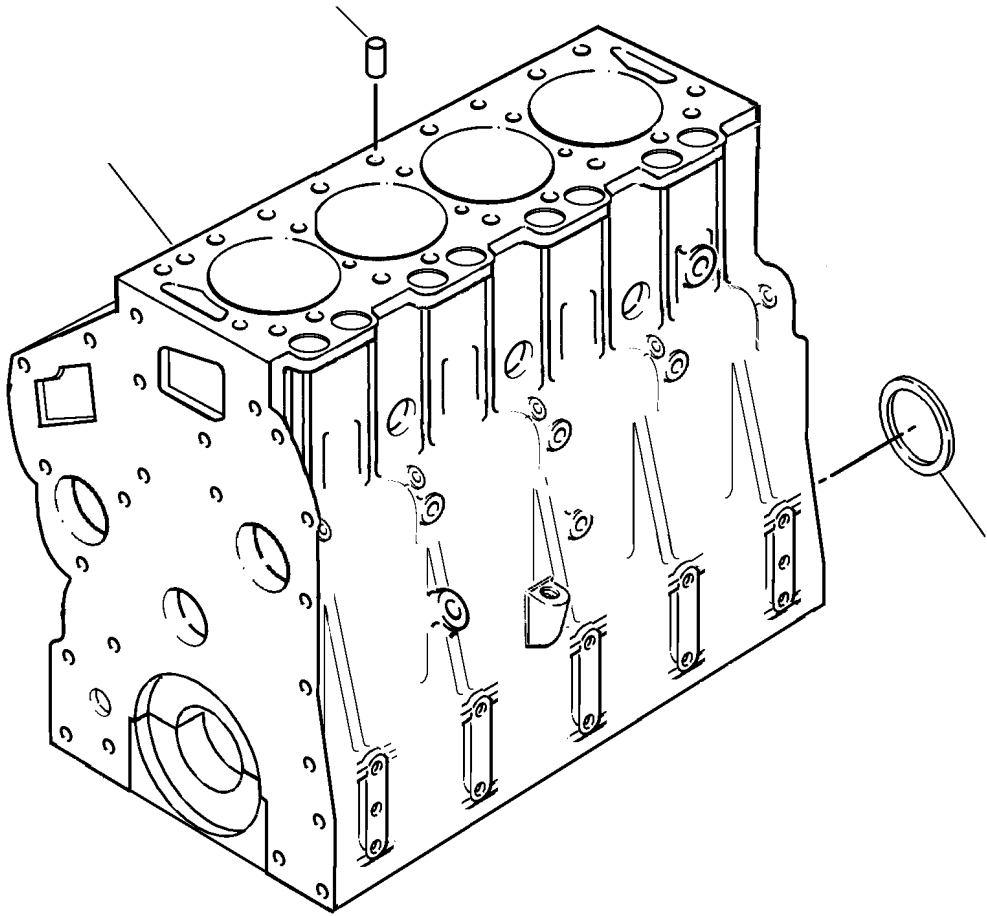
Ref.	Part number	Description	Qty	Code	Group page
1	067-6135	KEY-WOODRUFF (CRANKSHAFT)	1		
2	152-6790	CRANKSHAFT GP	1		
3	152-6791	KIT-BEARING (STANDARD)	1		
	152-6792	KIT-BEARING (0.25-MM US)		AB	
	152-6793	KIT-BEARING (0.5-MM US)		AB	
	152-6794	KIT-BEARING (0.75-MM US)		AB	
4	152-6795	KIT-ROD BEARING	1		
5	152-6799	WASHER-THRUST	2		
6	152-6801	GEAR-CRANKSHAFT (30-TEETH)	1		
7	188-8545	SLEEVE AS-WEAR (INCLUDES INSTALLATION TOOL)	1		

CAT codes: A, B.

188-9015 CYLINDER BLOCK GP

188-9015 CYLINDER BLOCK GP S/N 3NW12500-99999 PART OF 159-9213 ENGINE AR-PRIMARY

Drawing 1 of 1



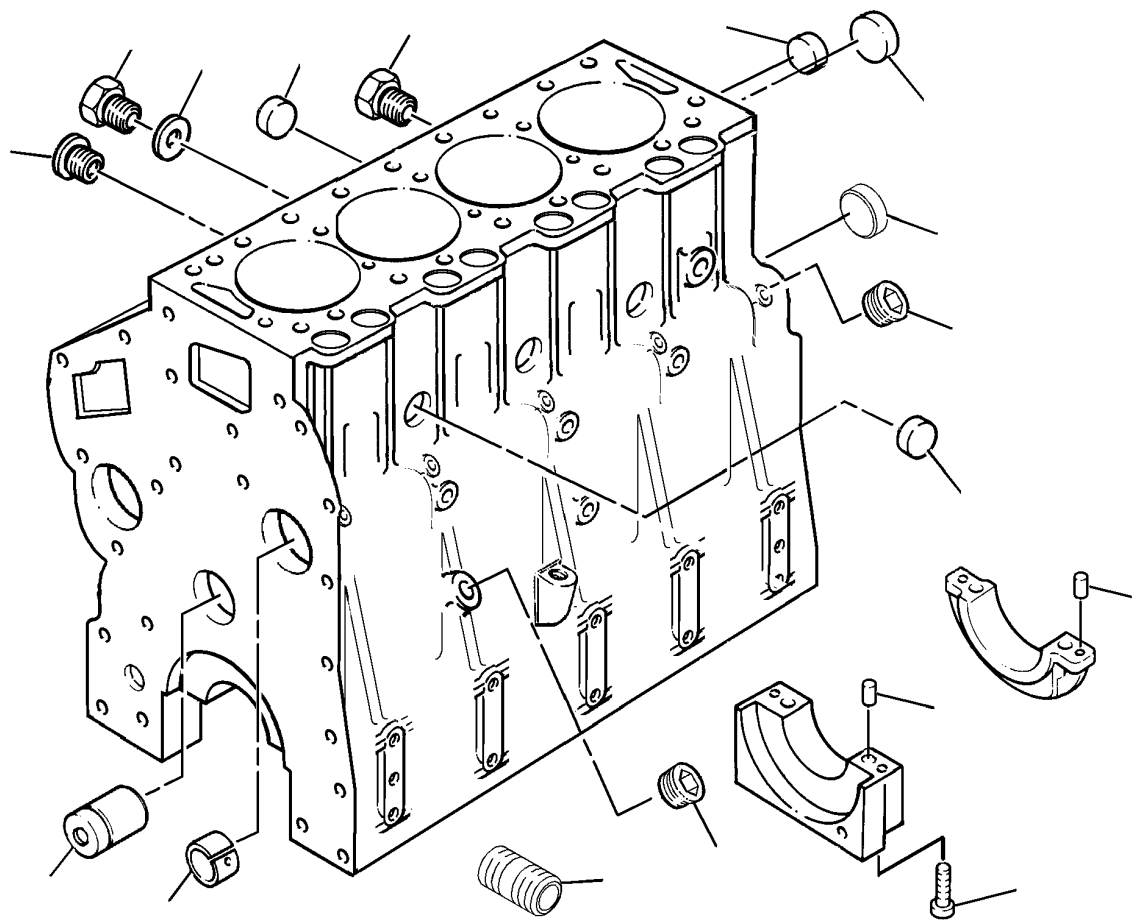
Ref.	Part number	Description	Qty	Code	Group page
1	205-5490	CYLINDER BLOCK GP	1	Y	
2	152-6555	DOWEL	2		
3	152-6556	SEAL	1		

CAT codes: Y.

205-5490 CYLINDER BLOCK GP

205-5490 CYLINDER BLOCK GP S/N 3NW12500-99999 PART OF 188-9015 CYLINDER BLOCK GP

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	343-4295	PLUG	1		
2	1W-8438	WASHER (19.43X26.97X2.64-MM THK)	1		
3	9F-2247	PLUG-PIPE (1/8-27-THD)	11		
4	9Y-5015	PLUG-FREEZE	4		
5	067-6006	PLUG	2		
6	067-6007	PLUG	1		
7	067-9509	PLUG	2		
8	069-1124	PLUG	1		
9	118-9145	CONNECTOR	1		
10	152-6557	SEAL	2		
11	152-6558	BOLT	10		
12	152-6559	SHAFT	1		
13	152-6561	SEAL	4		

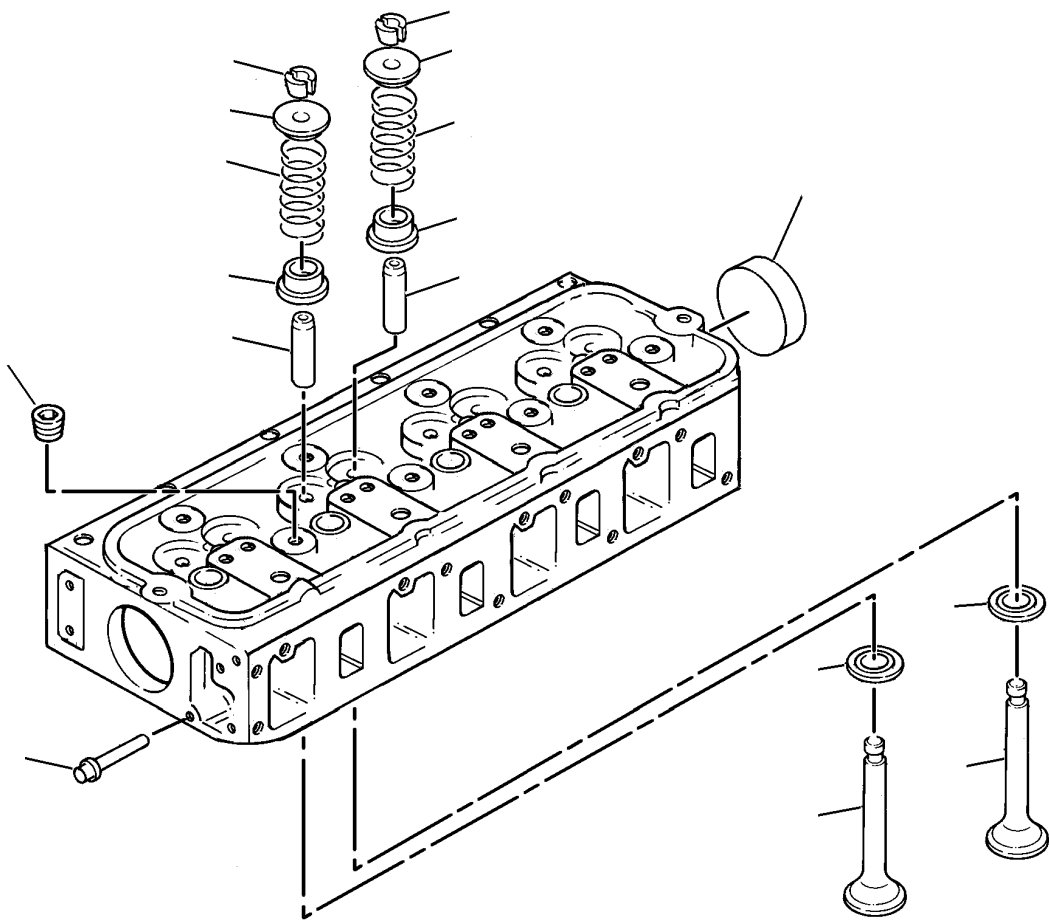
205-5490 CYLINDER BLOCK GP (continued)

Ref.	Part number	Description	Qty	Code	Group page
14	153-0562	ADAPTER	1		
15	175-4921	BUSHING	1		
16	188-5102	PLUG	3		

164-7597 CYLINDER HEAD GP

164-7597 CYLINDER HEAD GP S/N 3NW12500-99999 PART OF 188-9043 CYLINDER HEAD GP

Drawing 1 of 1

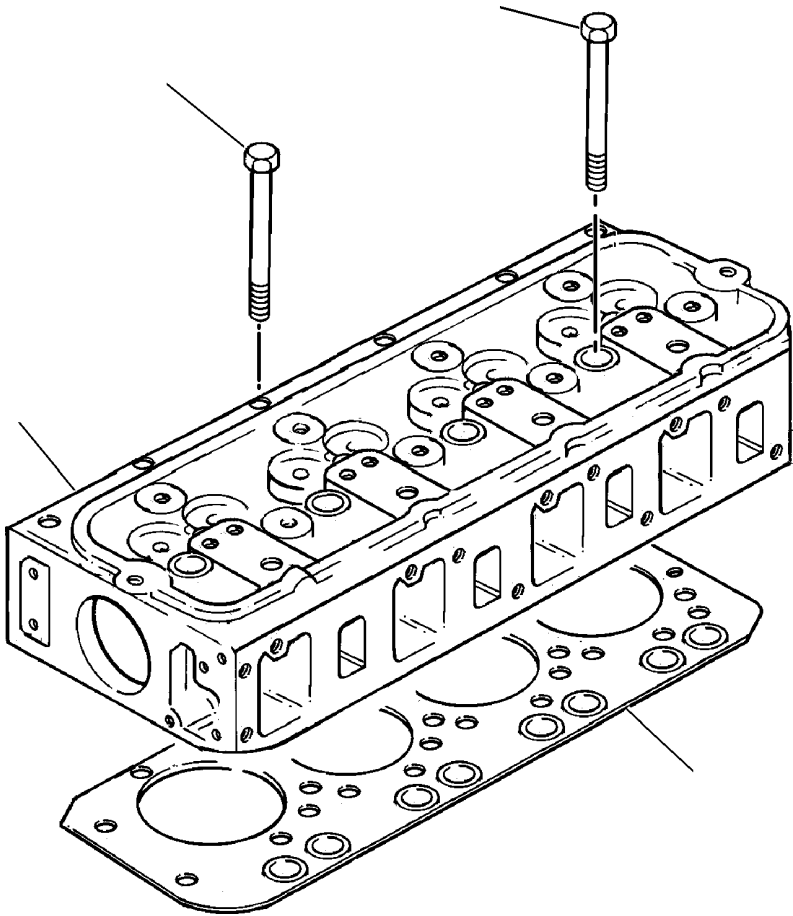


Ref.	Part number	Description	Qty	Code	Group page
1	7W-2501	PLUG	1		
2	152-9857	VALVE-EXHAUST	4		
3	152-9858	SPRING	8		
4	152-9859	CAP	8		
5	152-9860	RETAINER	16		
6	188-8633	GUIDE-VALVE	8		
7	192-6335	SEAL	8		
8	188-8636	INSERT-VALVE SEAT (EXHAUST)	4		
9	188-8637	INSERT-INLET	4		
10	188-9044	VALVE-INLET	4		
11	2B-0858	PLUG-PIPE	4		
12	9Y-5015	PLUG-FREEZE	2		

188-9043 CYLINDER HEAD GP

188-9043 CYLINDER HEAD GP S/N 3NW12500-99999 PART OF 159-9213 ENGINE AR-PRIMARY

Drawing 1 of 1



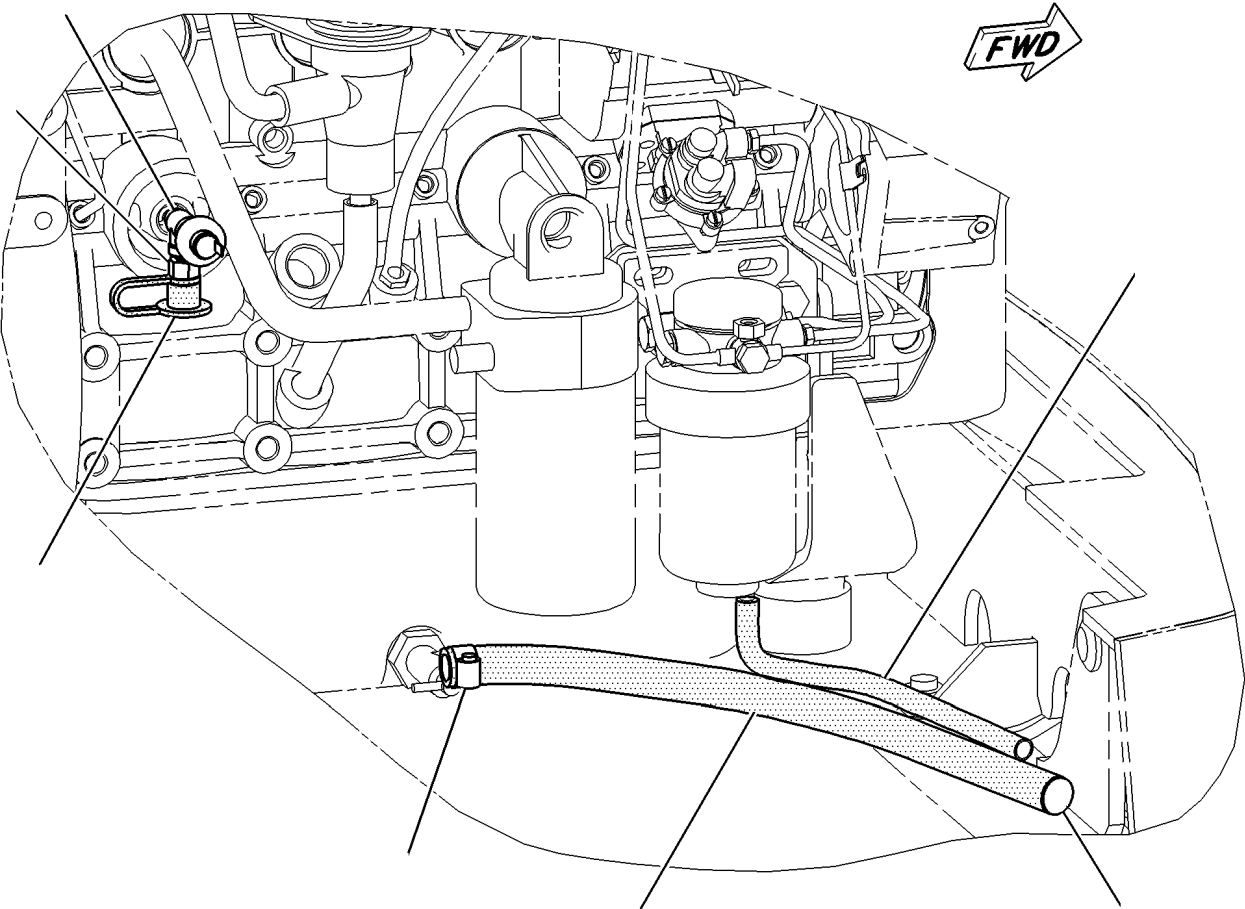
Ref.	Part number	Description	Qty	Code	Group page
1	164-7597	CYLINDER HEAD GP	1	Y	
2	152-9864	GASKET-CYLINDER HEAD	1		
3	152-9863	BOLT-CYLINDER HEAD	4		
4	152-9862	BOLT-CYLINDER HEAD (M11X1.5X104-MM)	14		

CAT codes: Y.

152-4858 DRAIN GP-ENGINE OIL

152-4858 DRAIN GP-ENGINE OIL S/N 6BZ768-99999 PART OF 200-1005 INSTALLATION AR-ENGINE

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	5D-1026	CLAMP-BAND	1		
2	5P-3422	TEE-PIPE	1		
3	6N-2944	PLUG	1		
4	8C-3445	CAP-DUST (ENGINE OIL SAMPLING VALVE)	1		
5	159-8336	VALVE-SAMPLING (ENGINE OIL)	1		
6	5P-1517	HOSE (42-CM)		CE	
7	8C-6959	HOSE (27-CM)		E	

CAT codes: C, E.

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6BZ-SEBP3429

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