

CATERPILLAR 938G II

PHN / SEBP3491

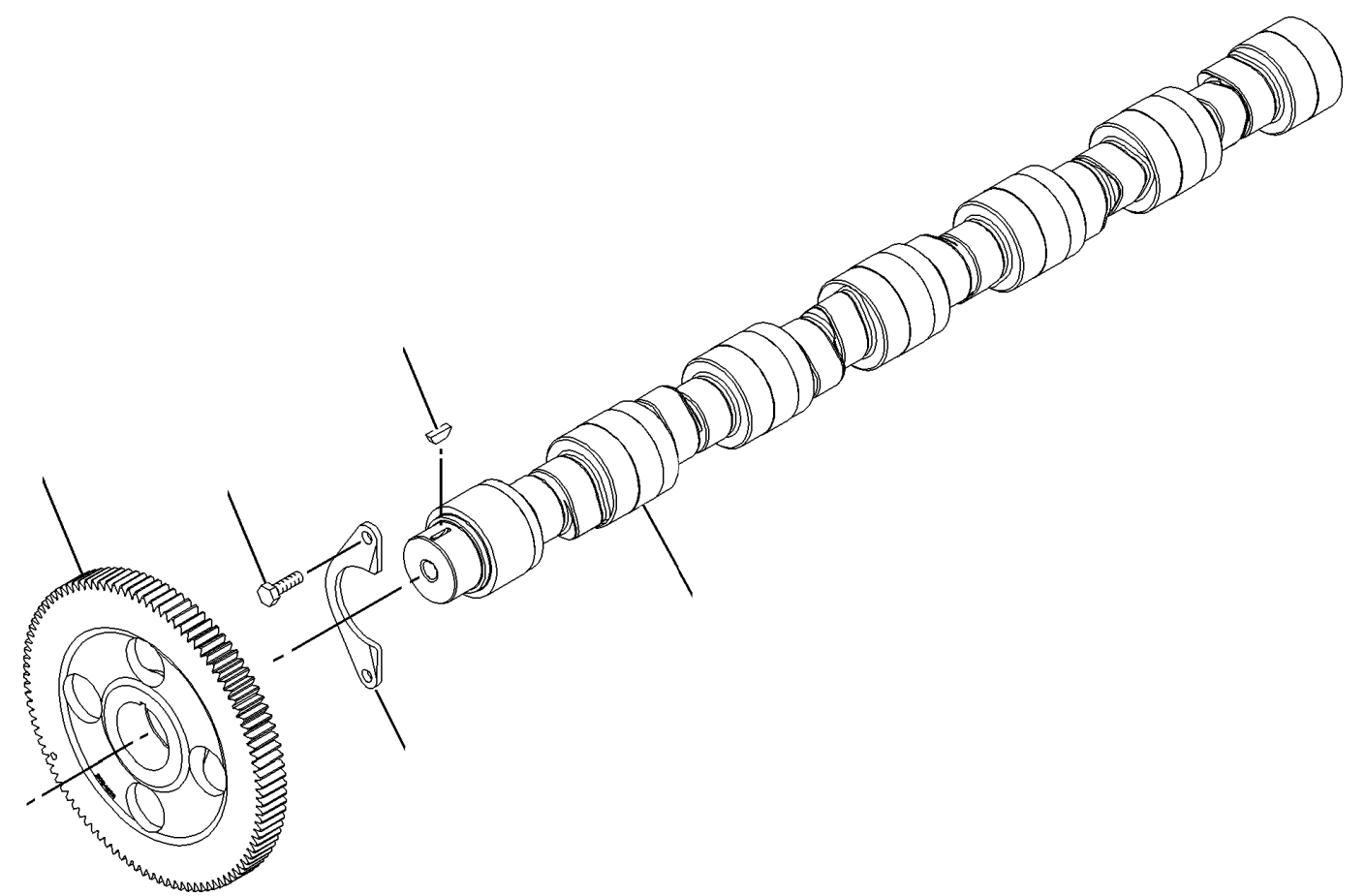
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216-7922 CAMSHAFT GP

216-7922 CAMSHAFT GP S/N BMA1-UP PART OF 198-5915 ENGINE AR-CORE ALSO AN ATTACHMENT

Drawing 1 of 1



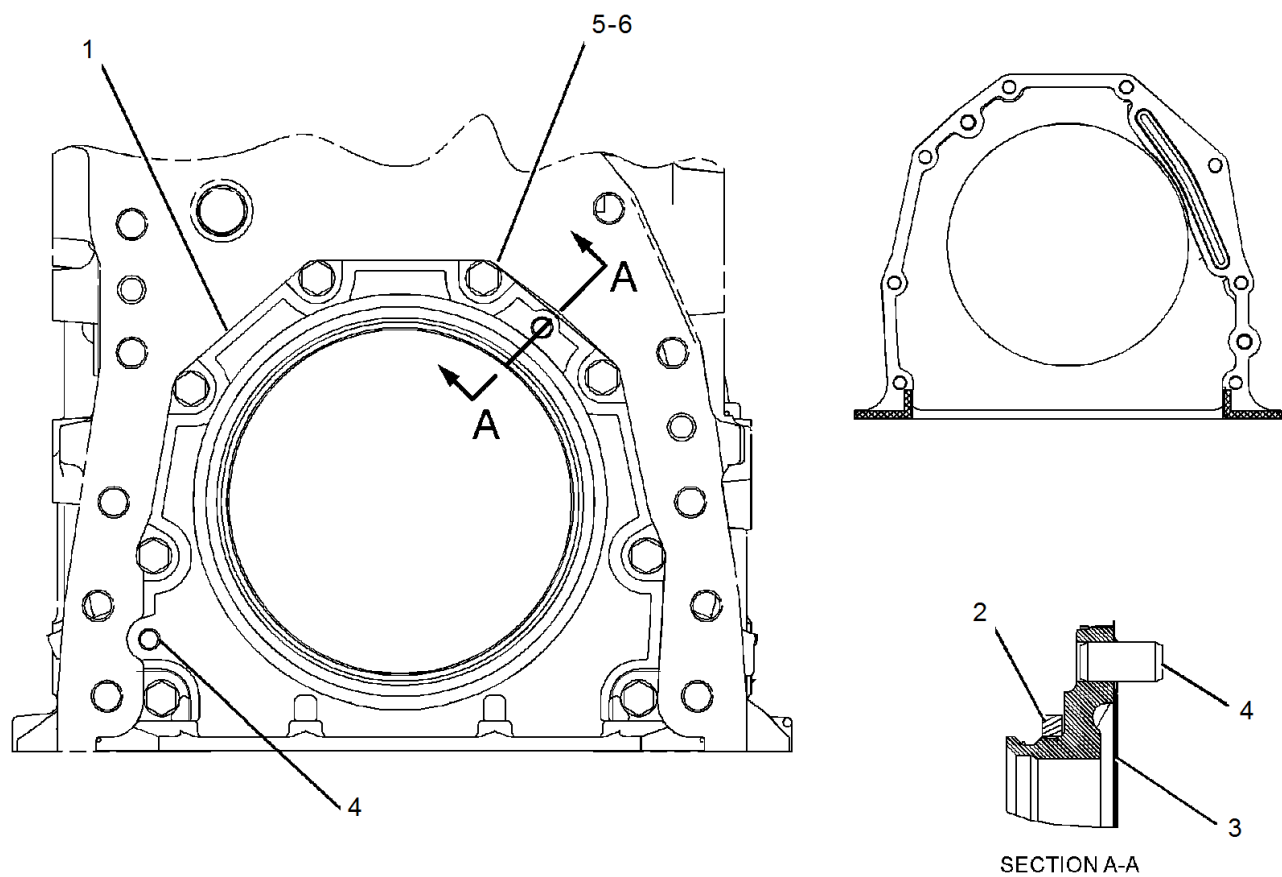
Ref.	Part number	Description	Qty	Code	Group page
1	107-7694	PLATE-THRUST	1		
2	216-7921	CAMSHAFT AS	1		
2A	1B-8705	KEY-WOODRUFF	1		
2B	205-1322	GEAR-CAMSHAFT (100-TEETH)	1		
3	6V-3940	BOLT (M8X1.25X25-MM)	2	M	

CAT codes: M, R.

4W-3462 CARRIER GP-SEAL

4W-3462 CARRIER GP-SEAL S/N BMA1-UP PART OF 198-5914, 283-1633, 298-6581 ENGINE AR-COMPLETE ALSO AN ATTACHMENT

Drawing 1 of 1



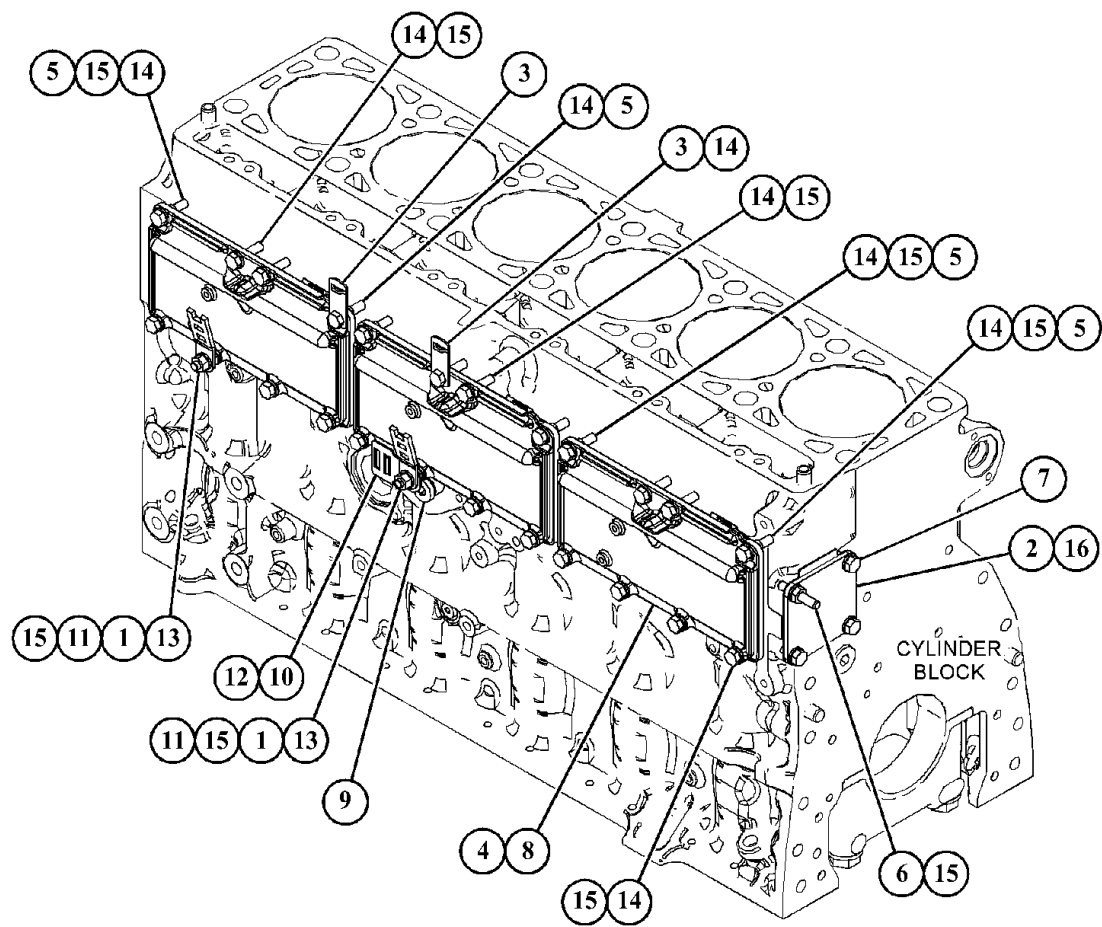
Ref.	Part number	Description	Qty	Code	Group
			.		page
1	2W-6546	COVER	1		
2	247-1876	SEAL	1		
3	239-0583	GASKET	1		
4	6V-3538	DOWEL	2		
5	6V-3940	BOLT (M8X1.25X25-MM)	8	M	
6	9M-1974	WASHER-HARD (8.8X16X2-MM THK)	8		
	4C-9612	SEALANT-SILICONE		BF	

CAT codes: B, F, M.

193-4620 COVER GP-CYLINDER BLOCK

193-4620 COVER GP-CYLINDER BLOCK S/N BMA1-UP PART OF 198-5914, 283-1633, 298-6581 ENGINE AR-COMPLETE ALSO AN ATTACHMENT

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	9X-2099	STUD (M8X1.25X52.75-MM)	2	M	
2	2W-6544	COVER	1		
3	4P-5918	CLIP	2		
4	4Y-9652	GASKET	3		
5	7W-3872	SLEEVE	6		
6	9X-2097	STUD (M8X1.25-THD)	1	M	
7	110-7618	BOLT AS	3		
(EACH INCLUDES)					
	6V-5215	BOLT (M8X1.25X16-MM)	1	M	
	9M-1974	WASHER-HARD (8.8X16X2-MM THK)	1		
8	342-4977	COVER-SIDE	3		
9	398-5596	PLUG AS	1		
	238-5080	SEAL-O-RING	1		
	360-3680	PLUG (3/4-16-THD)	1		

193-4620 COVER GP-CYLINDER BLOCK (continued)

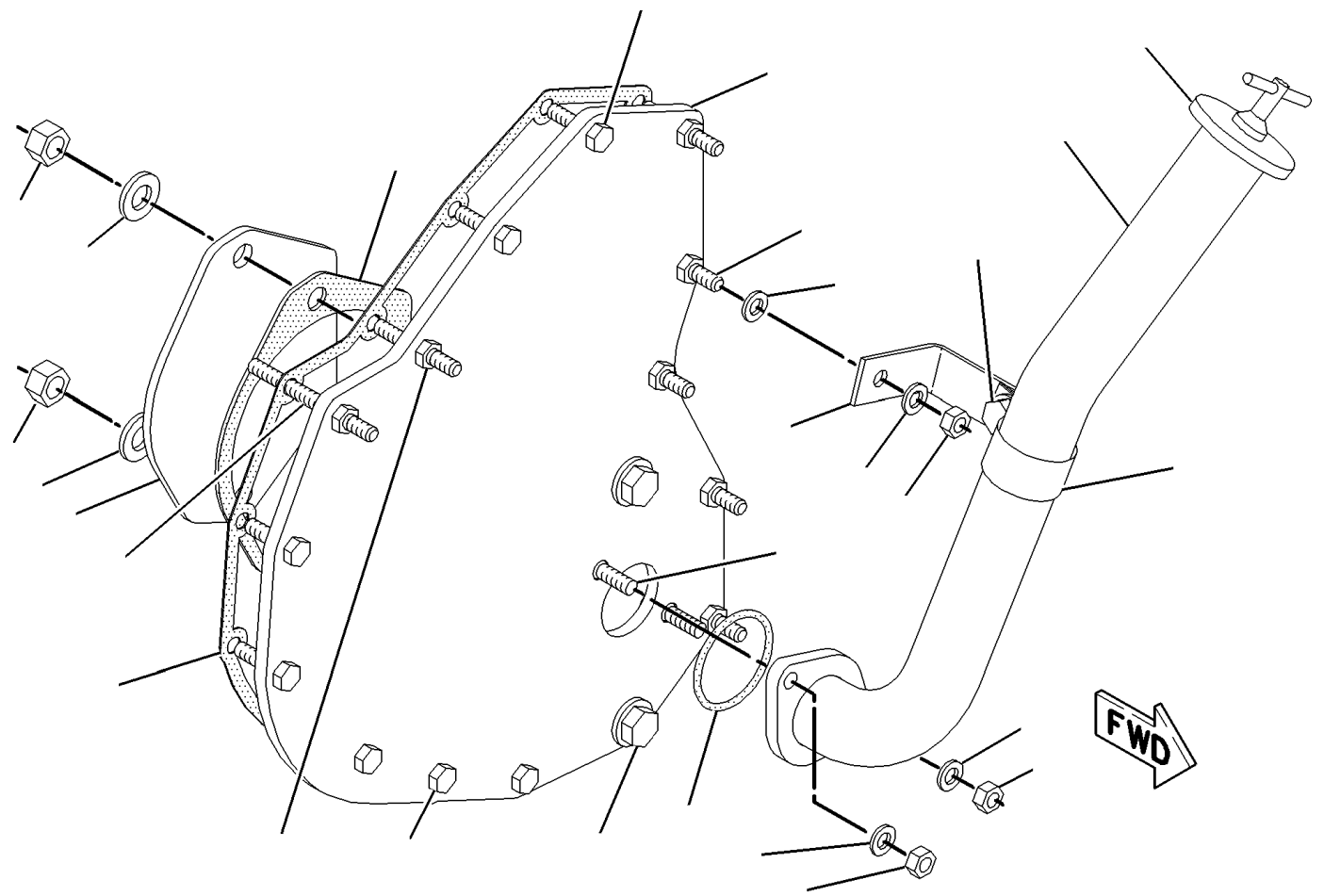
Ref.	Part number	Description	Qty	Code	Group page
10	130-5301	CLIP	1		
11	4P-7581	CLIP (LADDER)	2		
12	5P-4116	WASHER-HARD (8.8X20.5X2-MM THK)	1		
13	5P-7970	NUT (M8X1.25-THD)	2	M	
14	6V-2317	BOLT (M8X1.25X30-MM)	22	M	
15	9M-1974	WASHER-HARD (8.8X16X2-MM THK)	26		
16	517-0553	GASKET	1		

CAT codes: M.

189-5470 COVER GP-FRONT HOUSING

189-5470 COVER GP-FRONT HOUSING S/N BMA1-UP PART OF 198-5914, 283-1633, 298-6581 ENGINE AR-COMPLETE ALSO AN ATTACHMENT

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	9X-2099	STUD (M8X1.25X52.75-MM)	3	M	
2	4W-2026	COVER	1		
3	5L-2952	CAP AS-FILLER (ENGINE OIL)	1		
	6L-2609	SEAL-RUBBER	1		
4	135-9819	SEAL-INTEGRAL	1		
5	136-0823	COVER AS-FRONT	1		
5A	136-0822	STUD	2		
5B	126-1757	WASHER (10.85X19.3X1.27-MM THK)	2		
6	139-3526	GASKET	1		
7	191-5213	TUBE AS	1		
8	344-3340	BRACKET AS	1		
	8T-3490	NUT-WELD (M10X1.5-THD)	1	M	
9	061-9455	SEAL-O-RING	1		

189-5470 COVER GP-FRONT HOUSING (continued)

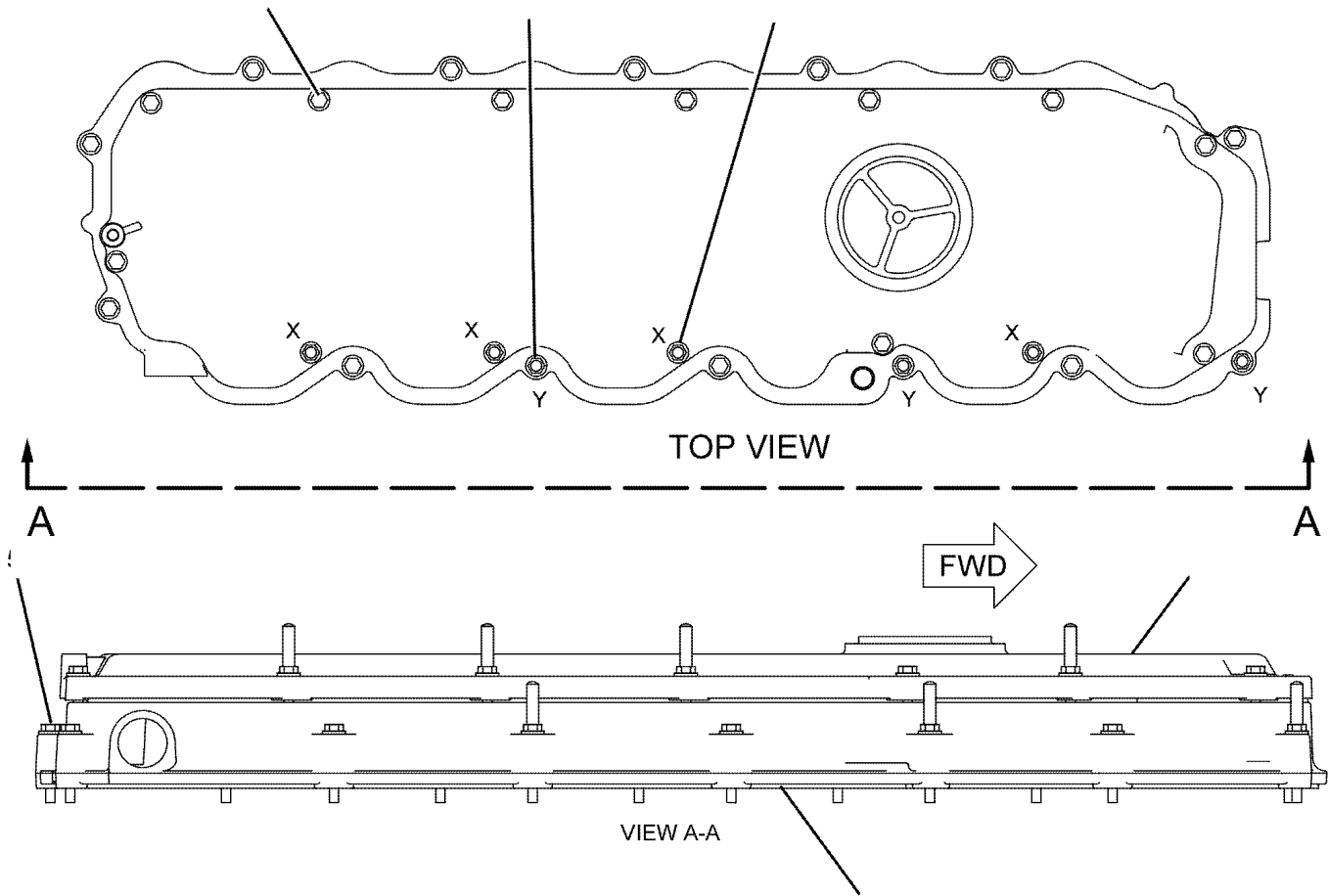
Ref.	Part number	Description	Qty	Code	Group page
10	5P-7970	NUT (M8X1.25-THD)	3	M	
11	5P-8245	WASHER-HARD (13.5X25.5X3-MM THK)	4		
12	6V-2317	BOLT (M8X1.25X30-MM)	6	M	
13	6V-5696	BOLT (M12X1.75X80-MM)	2	M	
14	6V-5839	WASHER (11X21X2.5-MM THK)	1		
15	6V-6317	BOLT (M10X1.5X20-MM)	1	M	
16	6V-8149	NUT (M12X1.75-THD)	2	M	
17	7D-7233	CLIP (LOOP)	1		
18	8T-0100	BOLT (M8X1.25X60-MM)	1	M	
19	9M-1974	WASHER-HARD (8.8X16X2-MM THK)	4		
20	185-9356	STUD (M8X1.25-THD)	1	M	
21	210-3321	STUD (M8X1.25-THD)	3	M	

CAT codes: M.

211-4770 COVER GP-VALVE MECHANISM

211-4770 COVER GP-VALVE MECHANISM S/N BMA1-UP PART OF 198-5914, 283-1633, 298-6581 ENGINE
AR-COMPLETE ALSO AN ATTACHMENT

Drawing 1 of 1



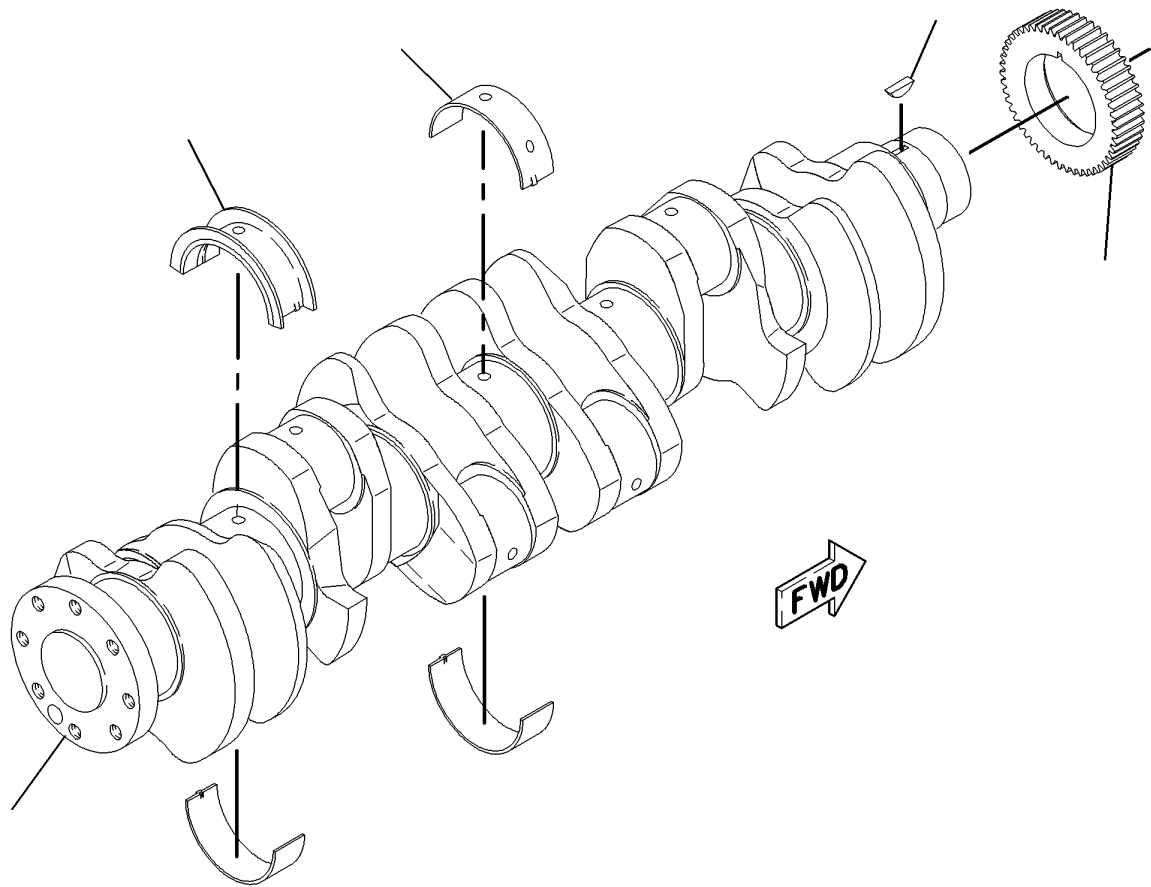
Ref.	Part number	Description	Qty	Code	Group page
1	167-8361	COVER AS-BASE	1		
1A	5P-5678	SEAL (2M)		D	
2	2W-9499	BOLT (M6X1X40-MM)	10	M	
3	236-2101	COVER AS (TOP)	1		
3A	5P-5678	SEAL (2M)		D	
4	5P-0537	WASHER-HARD (7.2X14.5X2-MM THK)	28		
5	6V-7728	BOLT (M6X1X45-MM)	11	M	
6	232-3646	STUD (M6X1-THD)	4		
7	210-3323	STUD	3		

CAT codes: D, M.

113-6087 CRANKSHAFT GP

113-6087 CRANKSHAFT GP S/N BMA1-UP PART OF 198-5915 ENGINE AR-CORE ALSO AN ATTACHMENT

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	271-5658	CRANKSHAFT AS	1		
1A	1B-8705	KEY-WOODRUFF	1		
1B	2W-8147	GEAR (50-TEETH)	1		
2	212-4893	BEARING-THRUST (STANDARD)	1	J	
	229-5153	BEARING-THRUST (0.25-MM US)		AB	
	229-5154	BEARING-THRUST (0.5-MM US)		AB	
	229-5155	BEARING-THRUST (0.5-MM OS)		AB	
	229-5156	BEARING-THRUST (0.5-MM OS, 0.5-MM US)		AB	
3	107-7708	BEARING-MAIN (STANDARD)	6	J	
	145-0168	BEARING-MAIN (0.5-MM OS)		AB	
	145-0170	BEARING-MAIN (0.5-MM OS, 0.5-MM US)		AB	
	145-0162	BEARING-MAIN (0.25-MM US)		AB	
	145-0164	BEARING-MAIN (0.5-MM US)		AB	
AVAILABLE REPAIR KIT(S):					
	7C-7980	SLEEVE-OIL SEAL (CRANKSHAFT)		AB	

113-6087 CRANKSHAFT GP (continued)

Ref.	Part number	Description	Qty.	Code	Group page
(THIS WEAR SLEEVE IS USED ONLY TO SALVAGE (REPAIR) THE REAR SEAL SURFACE OF THE CRANKSHAFT)					
	196-9519	BEARING GP-MAIN (STANDARD)		AB	
(INCLUDES STANDARD MAIN & THRUST BEARINGS)					

CAT codes: A, B, J, R.

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