

CATERPILLAR 938G II

RTB / SEBP3499

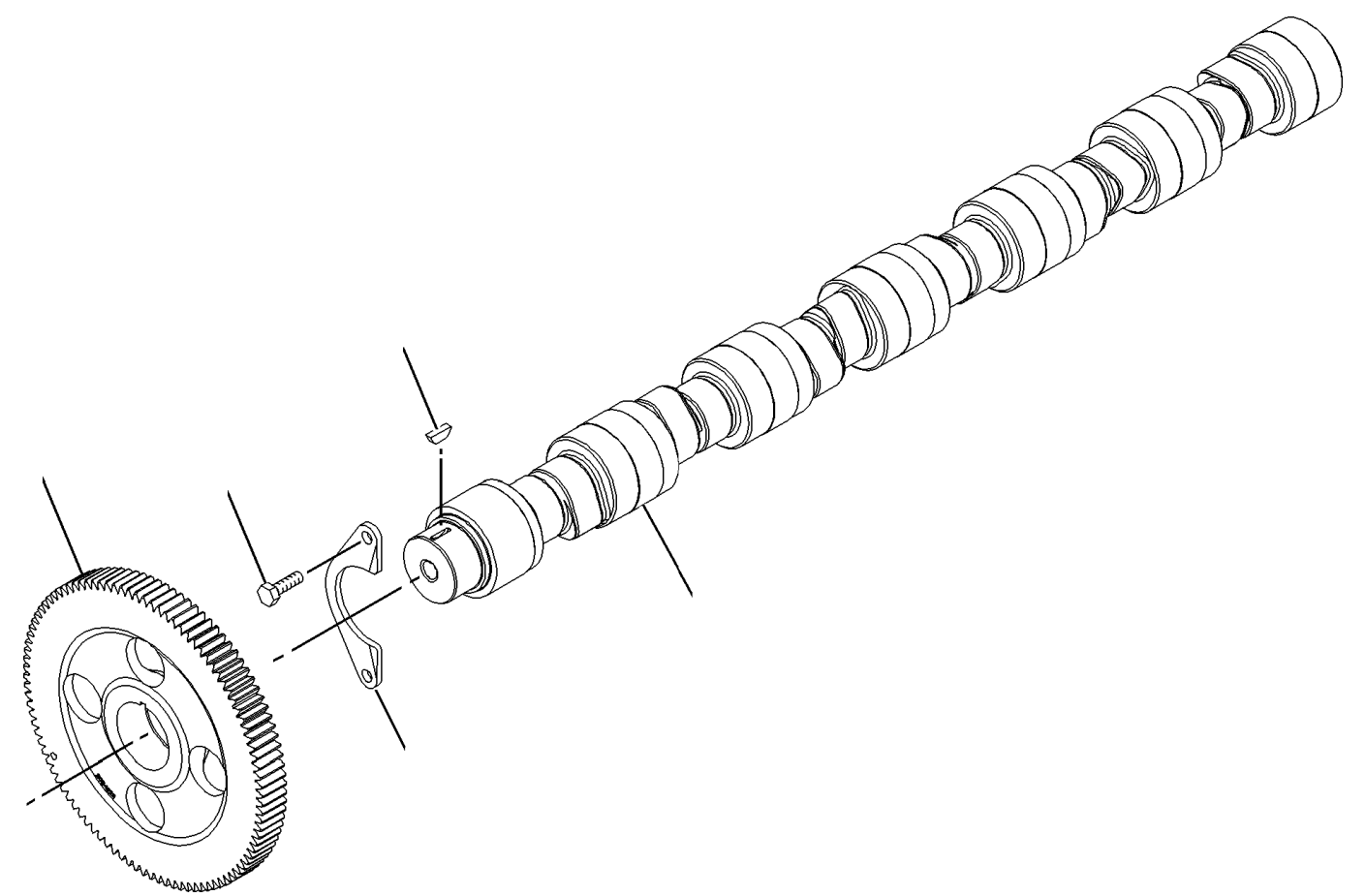
Contents

Section	Page
Basic engine	2
Lubrication system	
Cooling system	
Air inlet and exhaust	
Fuel system	
Basic engine	
Basic engine	
Electrical and electronics	
Power train	
Cooling system	
Power train	
Hydraulic system	
Hydraulic system	
Labels, kits and diagnostics	
Air inlet and exhaust	
Catalog items	
Air inlet and exhaust	

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



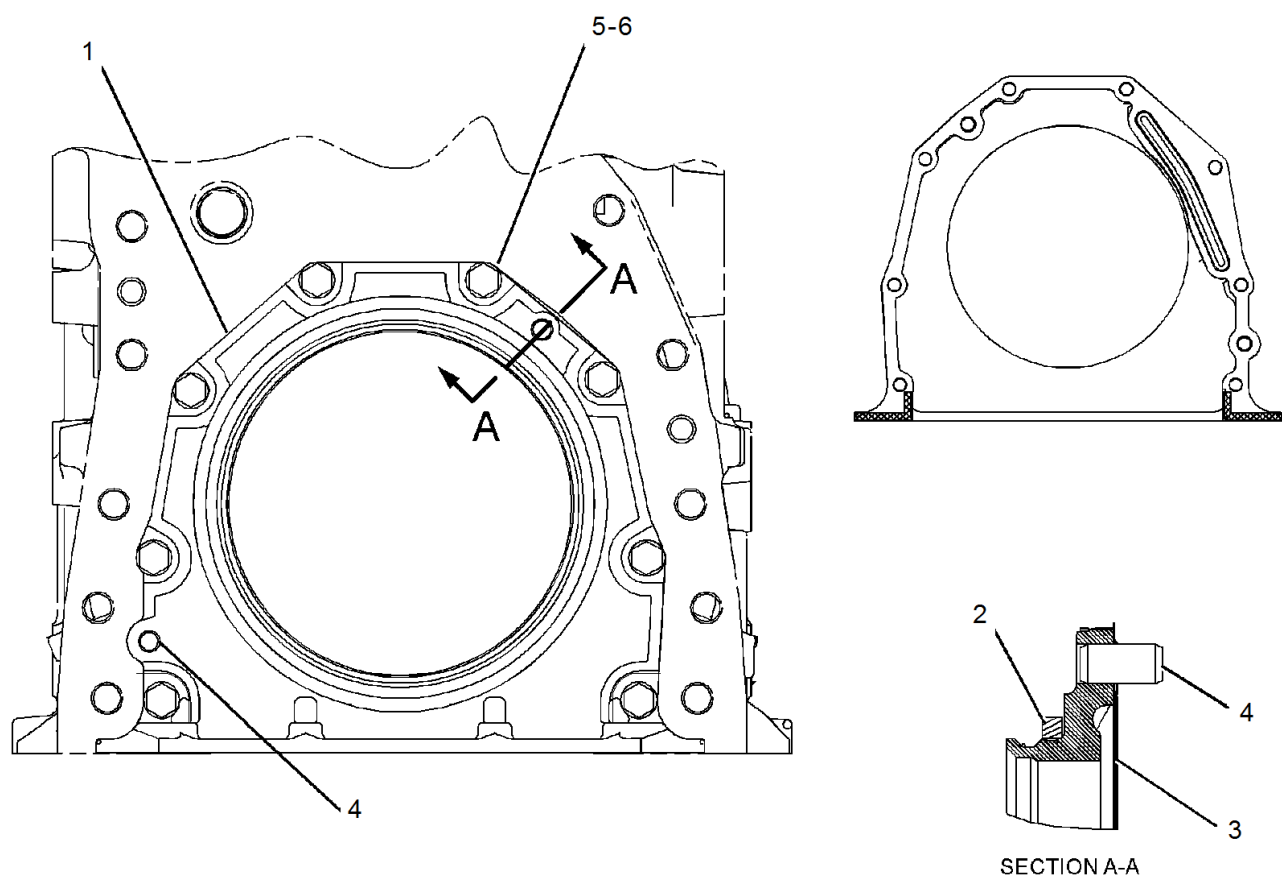
Ref.	Part number	Description	Qty	Code	Group page
1	107-7694	PLATE-THRUST	1		
2	216-7921	CAMSHAFT AS	1		
2A	1B-8705	KEY-WOODRUFF	1		
2B	205-1322	GEAR-CAMSHAFT (100-TEETH)	1		
3	6V-3940	BOLT (M8X1.25X25-MM)	2	M	

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



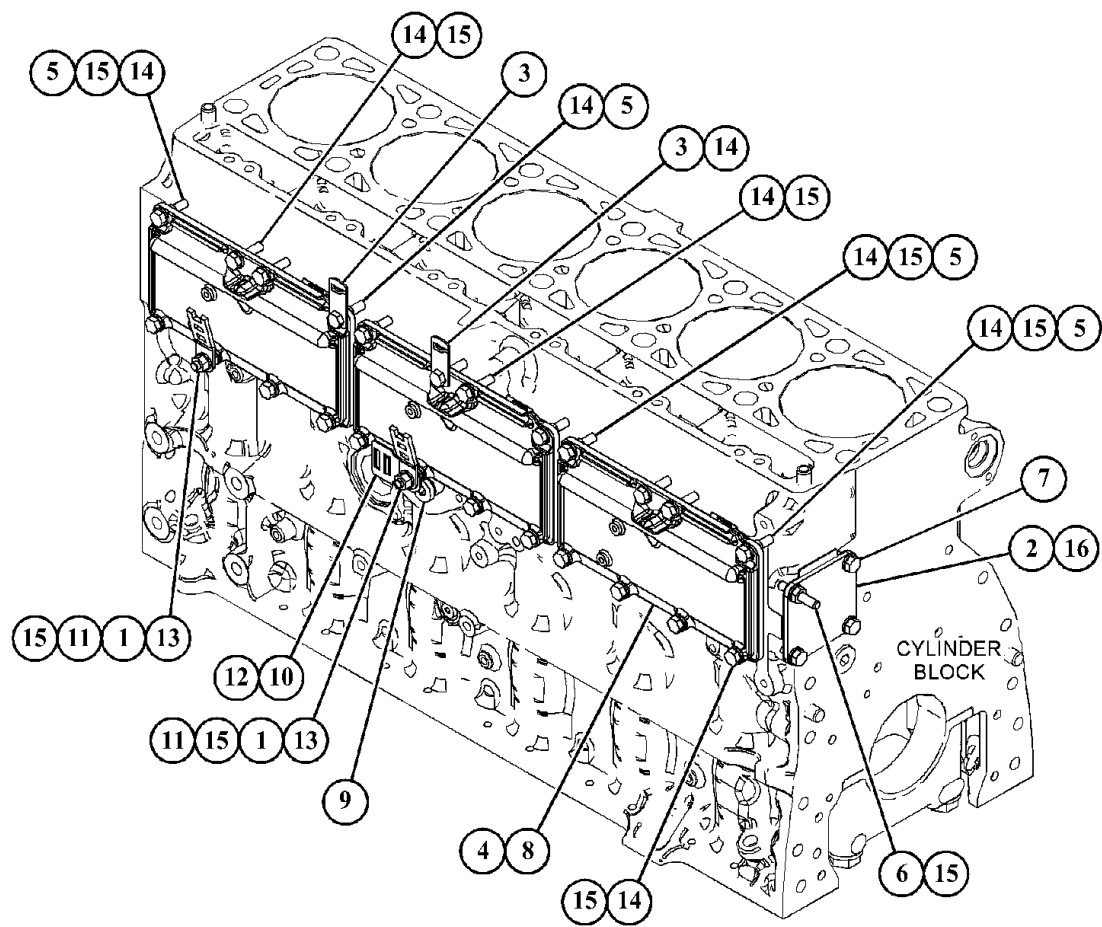
Ref.	Part number	Description	Qty	Code	Group
			.		page
1	2W-6546	COVER	1		
2	247-1876	SEAL	1		
3	239-0583	GASKET	1		
4	6V-3538	DOWEL	2		
5	6V-3940	BOLT (M8X1.25X25-MM)	8	M	
6	9M-1974	WASHER-HARD (8.8X16X2-MM THK)	8		
	4C-9612	SEALANT-SILICONE		BF	

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)

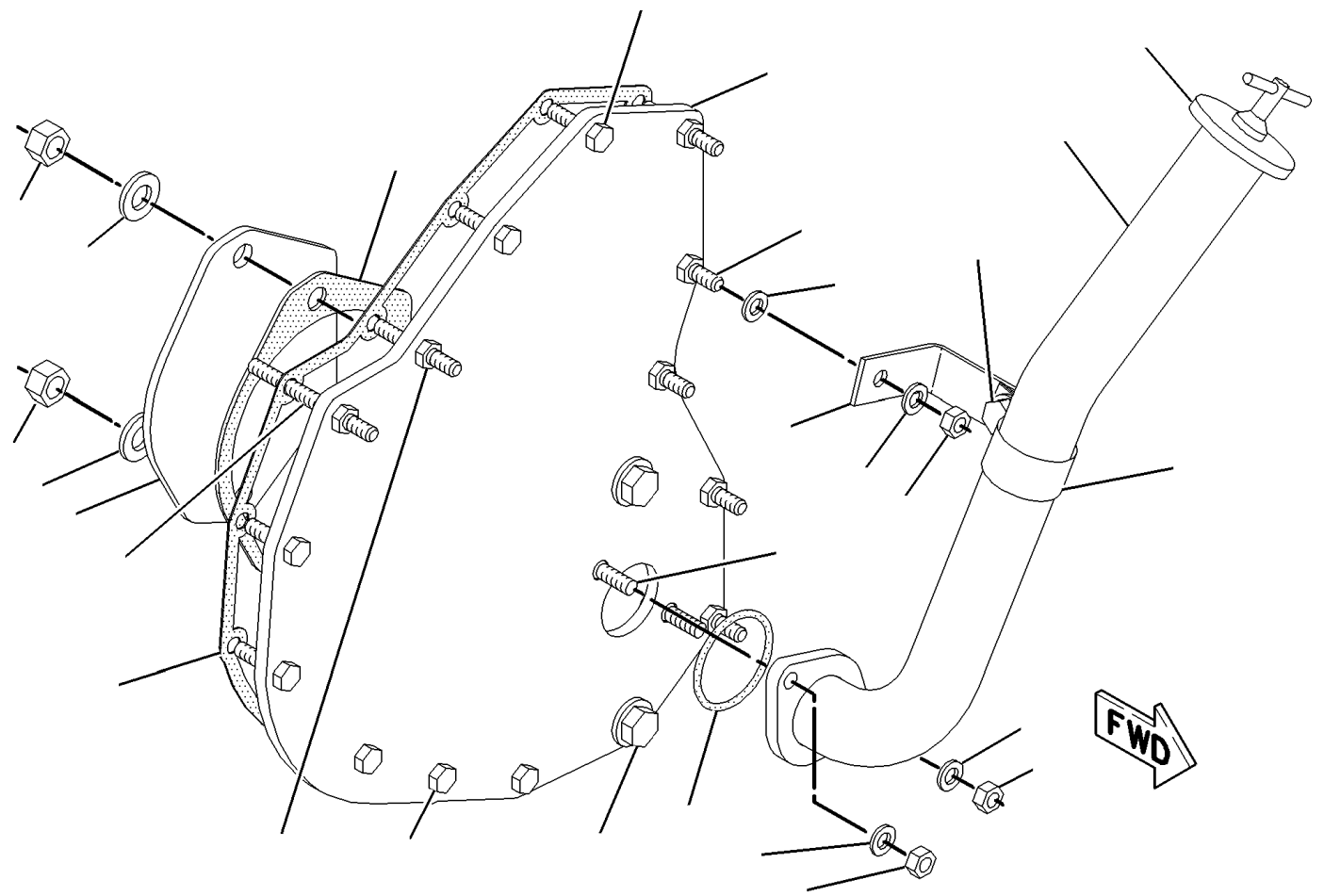
Ref.	Part number	Description	Qty	Code	Group page
10	130-5301	CLIP	1		
11	4P-7581	CLIP (LADDER)	2		
12	5P-4116	WASHER-HARD (8.8X20.5X2-MM THK)	1		
13	5P-7970	NUT (M8X1.25-THD)	2	M	
14	6V-2317	BOLT (M8X1.25X30-MM)	22	M	
15	9M-1974	WASHER-HARD (8.8X16X2-MM THK)	26		
16	517-0553	GASKET	1		

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)

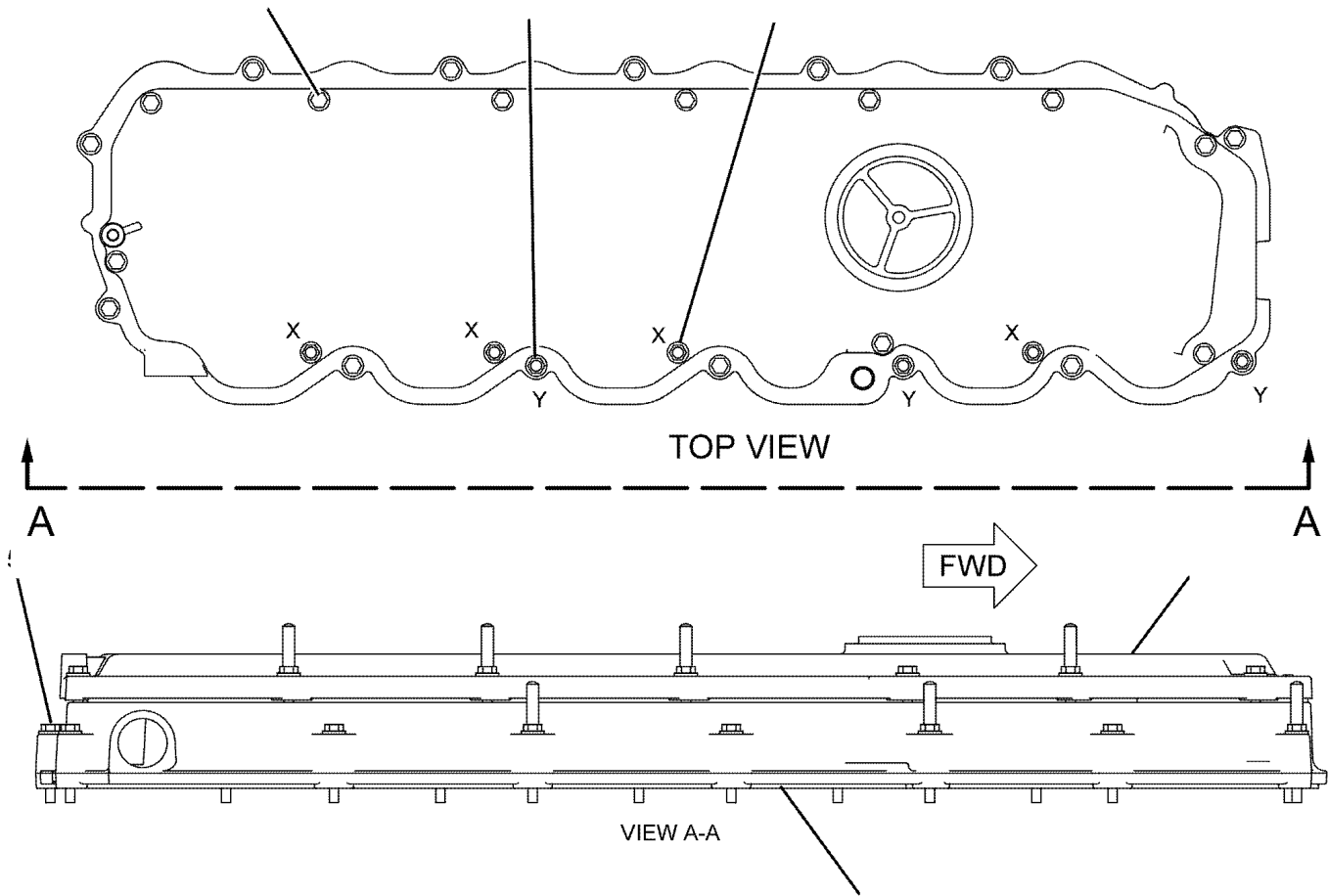
Ref.	Part number	Description	Qty	Code	Group page
10	5P-7970	NUT (M8X1.25-THD)	3	M	
11	5P-8245	WASHER-HARD (13.5X25.5X3-MM THK)	4		
12	6V-2317	BOLT (M8X1.25X30-MM)	6	M	
13	6V-5696	BOLT (M12X1.75X80-MM)	2	M	
14	6V-5839	WASHER (11X21X2.5-MM THK)	1		
15	6V-6317	BOLT (M10X1.5X20-MM)	1	M	
16	6V-8149	NUT (M12X1.75-THD)	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



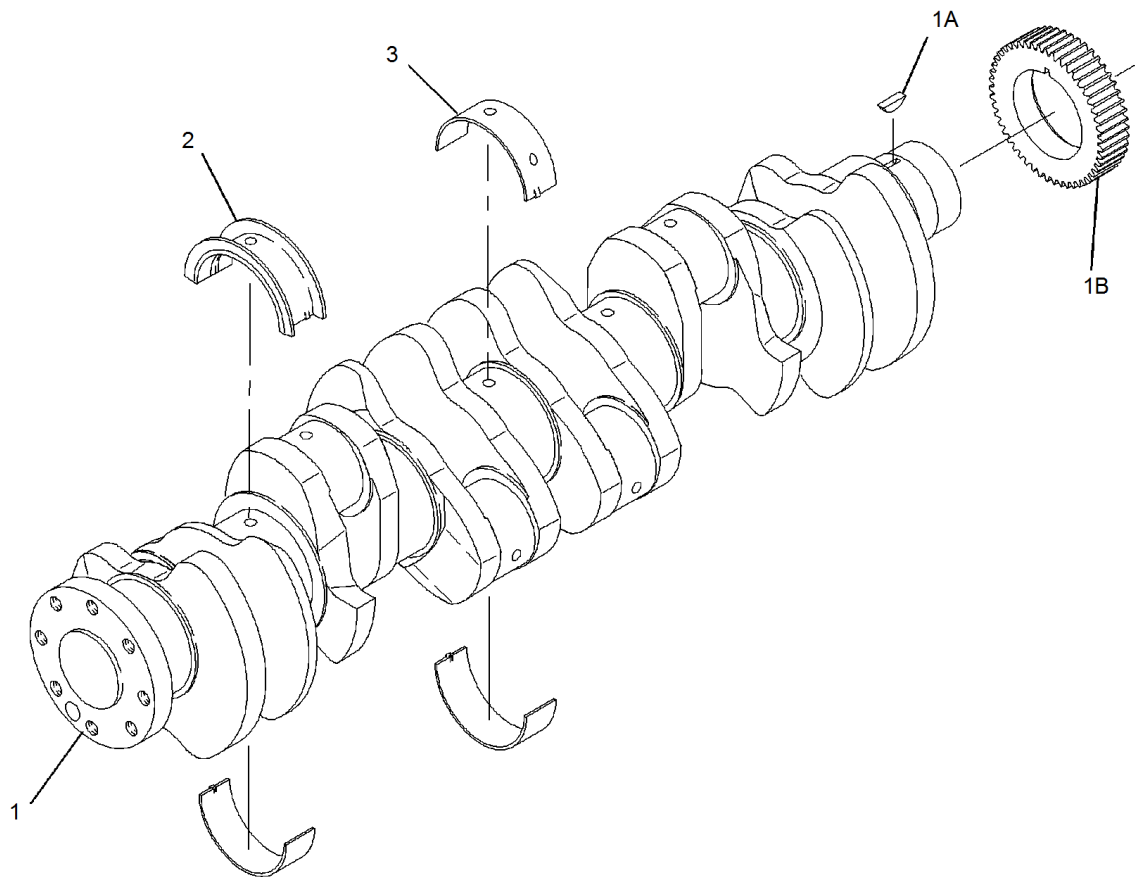
Ref.	Part number	Description	Qty	Code	Group page
1	167-8361	COVER AS-BASE	1		
1A	5P-5678	SEAL (2M)		D	
2	2W-9499	BOLT (M6X1X40-MM)	10	M	
3	236-2101	COVER AS (TOP)	1		
3A	5P-5678	SEAL (2M)		D	
4	5P-0537	WASHER-HARD (7.2X14.5X2-MM THK)	28		
5	6V-7728	BOLT (M6X1X45-MM)	11	M	
6	232-3646	STUD (M6X1-THD)	4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

CAT codes: A, B, R.

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