

CATERPILLAR 990

7HK / SEBP5515

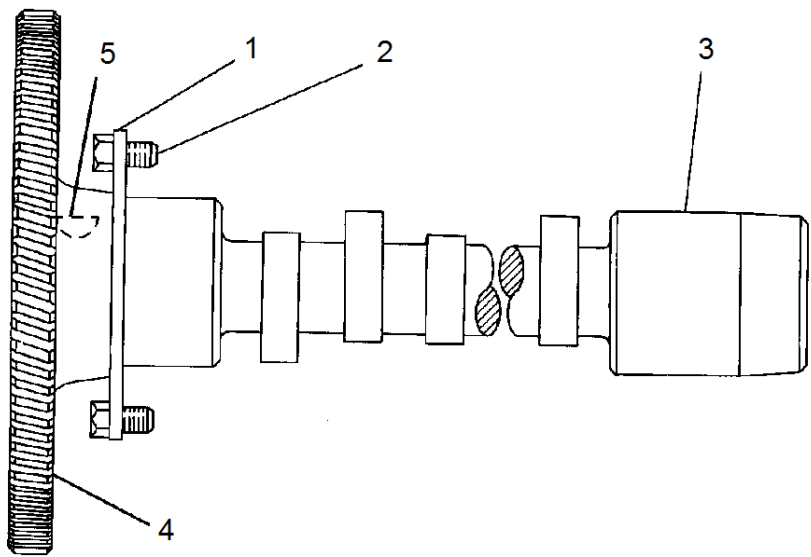
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185-7909 CAMSHAFT GP

185-7909 CAMSHAFT GP S/N 5JJ3909-UP

Drawing 1 of 1



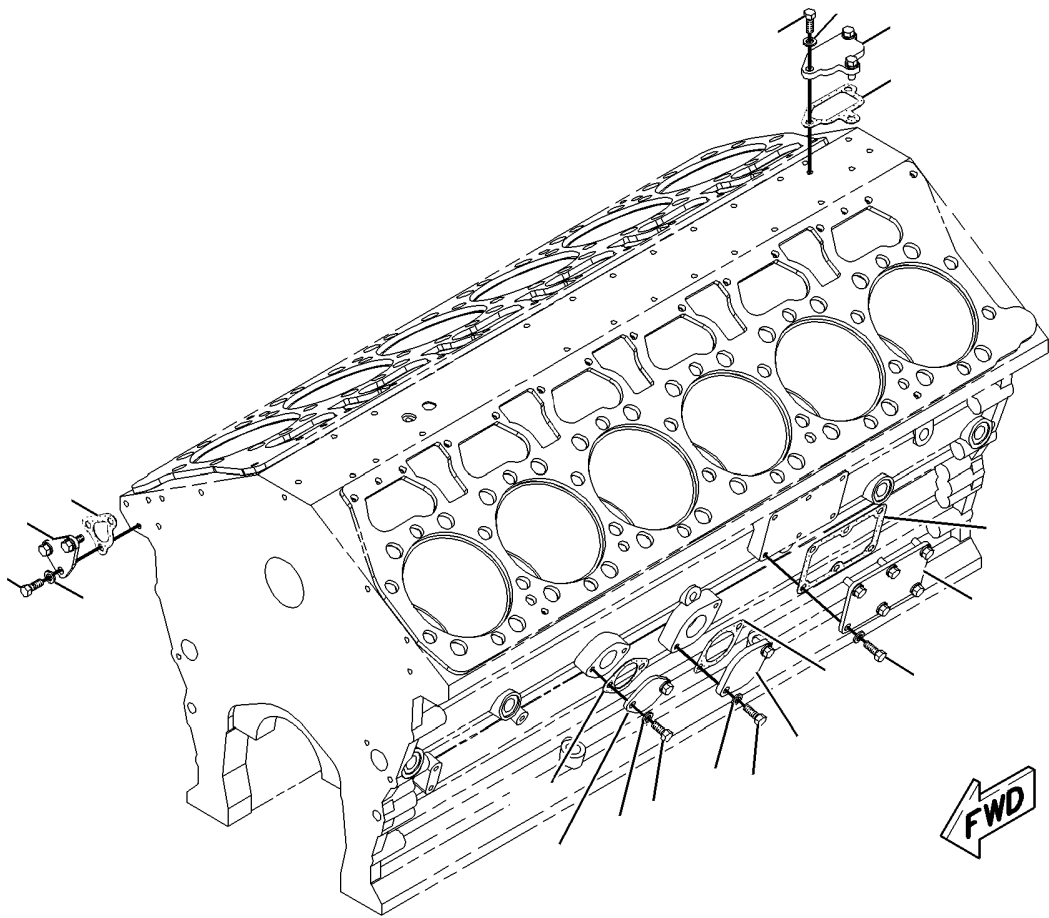
Ref.	Part number	Description	Qty	Code	Group page
1	4N-0342	PLATE	1		
2	0S-0509	BOLT (3/8-16X0.75-IN)	2		
3	185-7912	CAMSHAFT AS	1		
4	101-3374	GEAR (86-TEETH)	1		
5	1B-8705	KEY-WOODRUFF	1		

CAT codes: R.

189-0752 COVER GP-CYLINDER BLOCK

189-0752 COVER GP-CYLINDER BLOCK S/N 5JJ3909-UP

Drawing 1 of 1

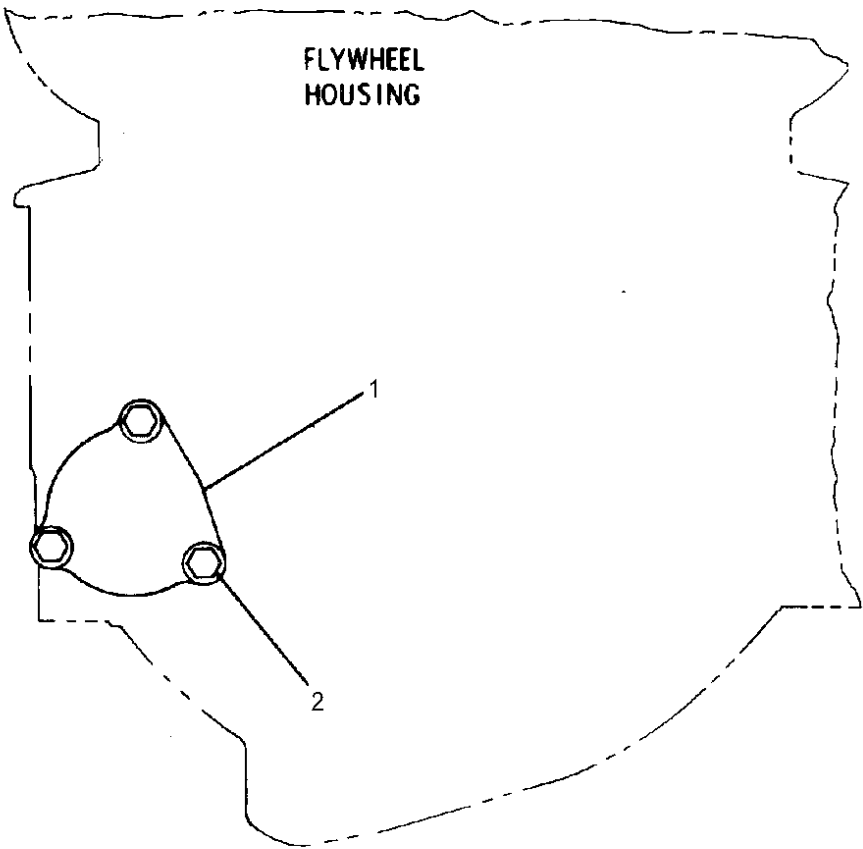


Ref.	Part number	Description	Qty	Code	Group page
1	4N-0794	COVER	1		
2	4N-0864	GASKET	1		
3	4N-1682	COVER	1		
4	4N-1683	COVER	1		
5	239-5571	SEAL-INTEGRAL	1		
6	4N-1779	COVER	1		
7	4N-4307	GASKET	1		
8	0L-1351	BOLT (3/8-16X0.875-IN)	2		
9	0S-1594	BOLT (3/8-16X1-IN)	14		
10	2P-2772	COVER	1		
11	234-8937	SEAL-INTEGRAL	1		
12	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	16		
13	239-5572	SEAL-INTEGRAL	1		

4N-6876 COVER GP-FLYWHEEL HOUSING

4N-6876 COVER GP-FLYWHEEL HOUSING S/N 5JJ3909-UP

Drawing 1 of 1

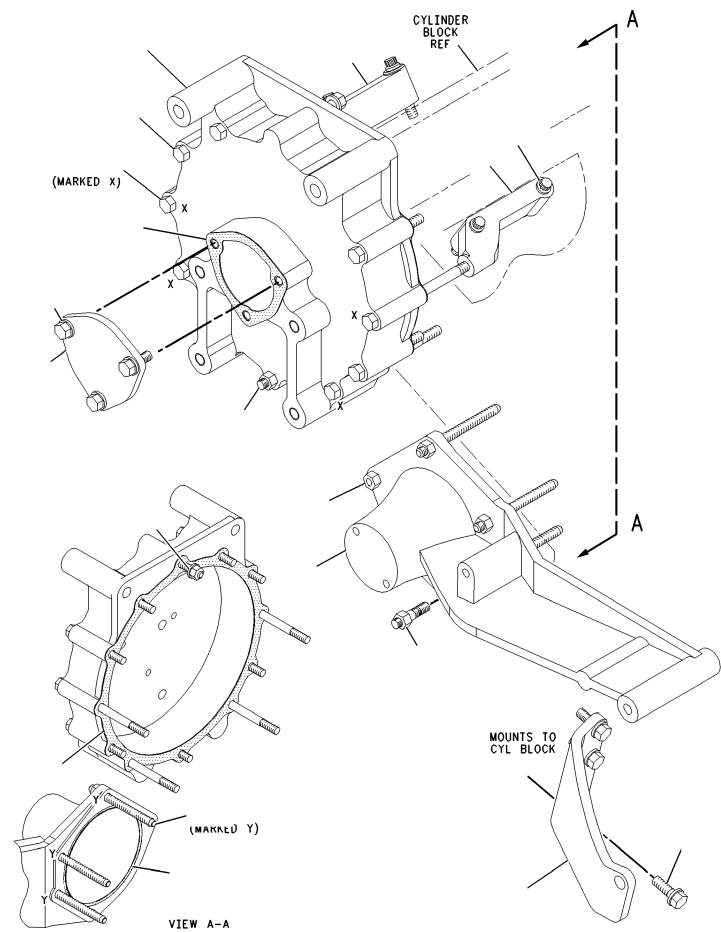


Ref.	Part number	Description	Qty	Code	Group page
1	4N-1114	COVER	1		
	9Y-6089	GASKET	1		
2	0S-1566	BOLT (5/8-11X1.5-IN)	3		
	5P-8247	WASHER-HARD (17X32X3.5-MM THK)	3		

216-7715 COVER GP-FRONT HOUSING

216-7715 COVER GP-FRONT HOUSING S/N 5JJ3909-UP

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	6N-2508	GASKET	1		
2	6N-2509	COVER	1		
3	6N-9364	BRACKET	1		
4	9N-5576	COVER-FUEL PUMP GEAR	1		
5	113-3174	BRACKET-COMPRESSOR	1		
6	116-5821	SUPPORT-HOUSING (RH)	1		
7	116-6264	SUPPORT-HOUSING (LH)	1		
8	193-9155	GASKET	1		
9	0L-1352	BOLT (3/8-16X3.25-IN)	6		
10	0S-1594	BOLT (3/8-16X1-IN)	3		
11	1A-2029	BOLT (3/8-16X1.125-IN)	3		
12	2P-1974	STUD-TAPERLOCK (3/8-16X4.2-IN)	3		
13	3B-4589	STUD (3/8-IN NCX3-5/8)	1		
14	3K-3256	STUD-TAPERLOCK (3/8-16X1.7-IN)	1		
15	3M-0496	STUD-TAPERLOCK (3/8-16X2.6-IN)	1		

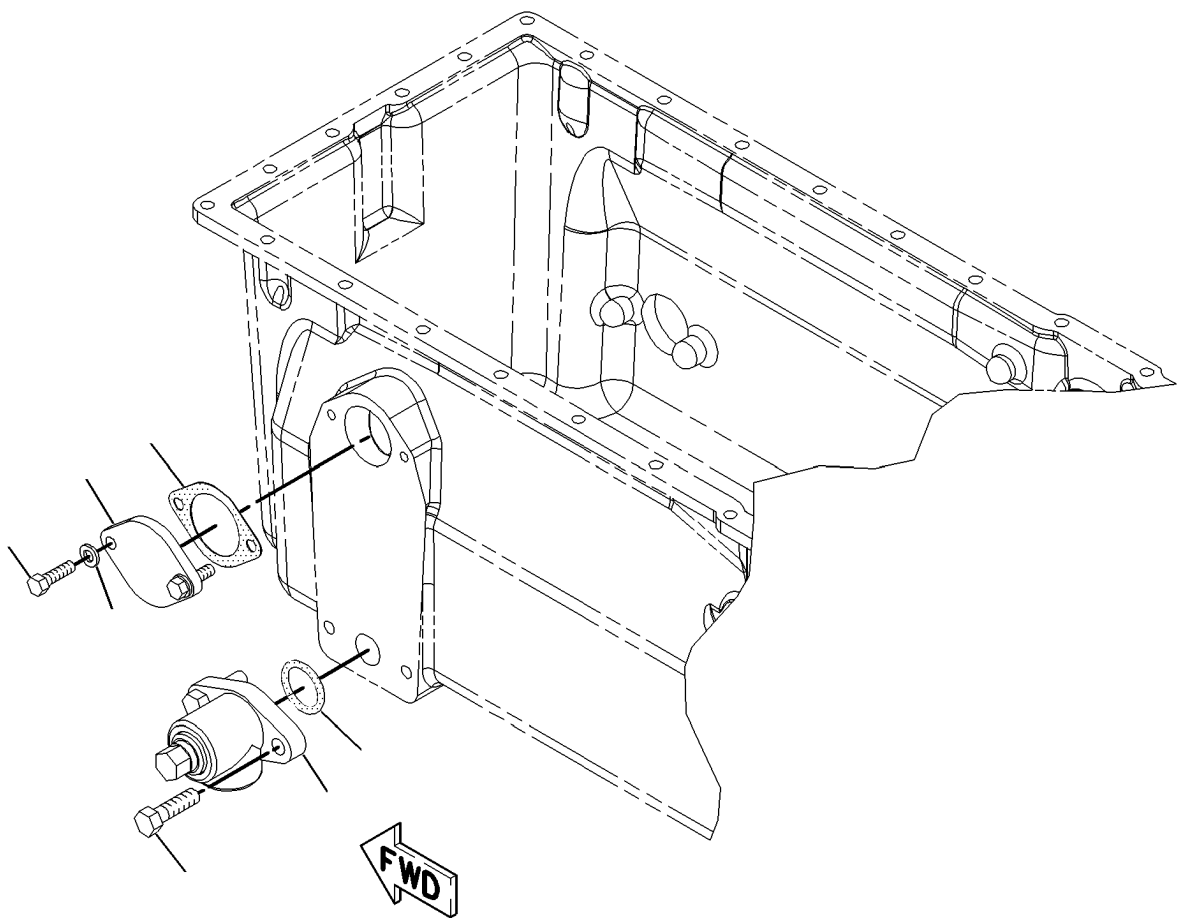
216-7715 COVER GP-FRONT HOUSING (continued)

Ref.	Part number	Description	Qty	Code	Group page
16	3S-1307	BOLT-12 POINT HEAD (3/8-16X2-IN)	4		
17	5F-4899	BOLT (3/8-16X5.5-IN)	4		
18	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	7		
19	9S-8752	NUT-FULL (3/8-16-THD)	7		
20	9X-7371	SEAL-O-RING	1		

188-4645 COVER GP-OIL PAN

188-4645 COVER GP-OIL PAN S/N 5JJ3909-UP

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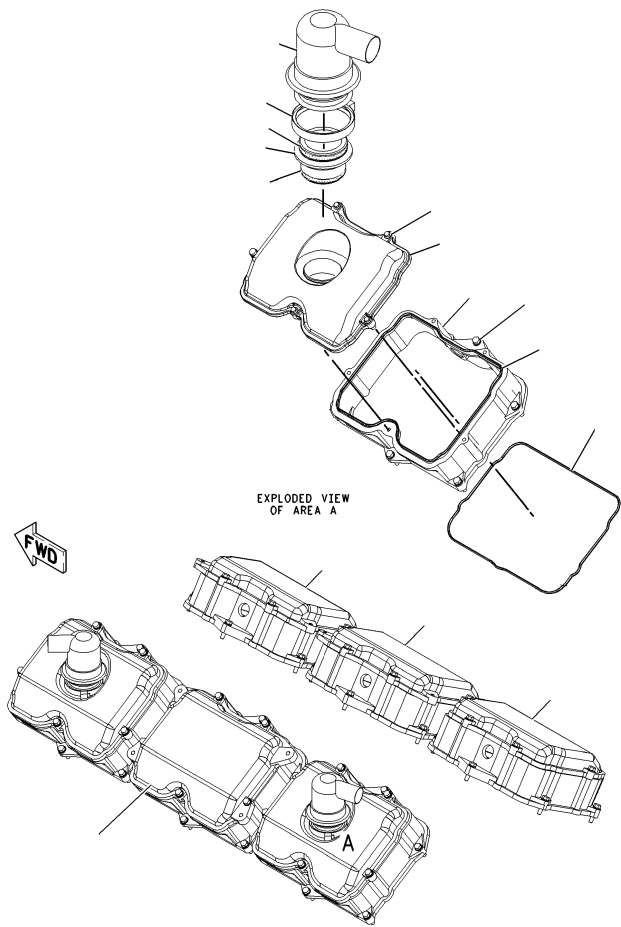


Ref.	Part number	Description	Qty	Code	Group page
1	0S-1587	BOLT (1/2-13X1.75-IN)	2		
2	0S-1588	BOLT (3/8-16X1.25-IN)	2		
3	4N-0794	COVER	1		
4	4P-0519	ADAPTER AS-DRAIN	1		
	109-5839	PLUG-DRAIN (ENGINE)	1		
	109-5840	ADAPTER-PLUG	1		
5	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	2		
6	379-5053	SEAL-O-RING	1		
7	239-5572	SEAL-INTEGRAL	1		

189-0748 COVER GP-VALVE MECHANISM

189-0748 COVER GP-VALVE MECHANISM S/N 5JJ3909-UP

Drawing 1 of 1

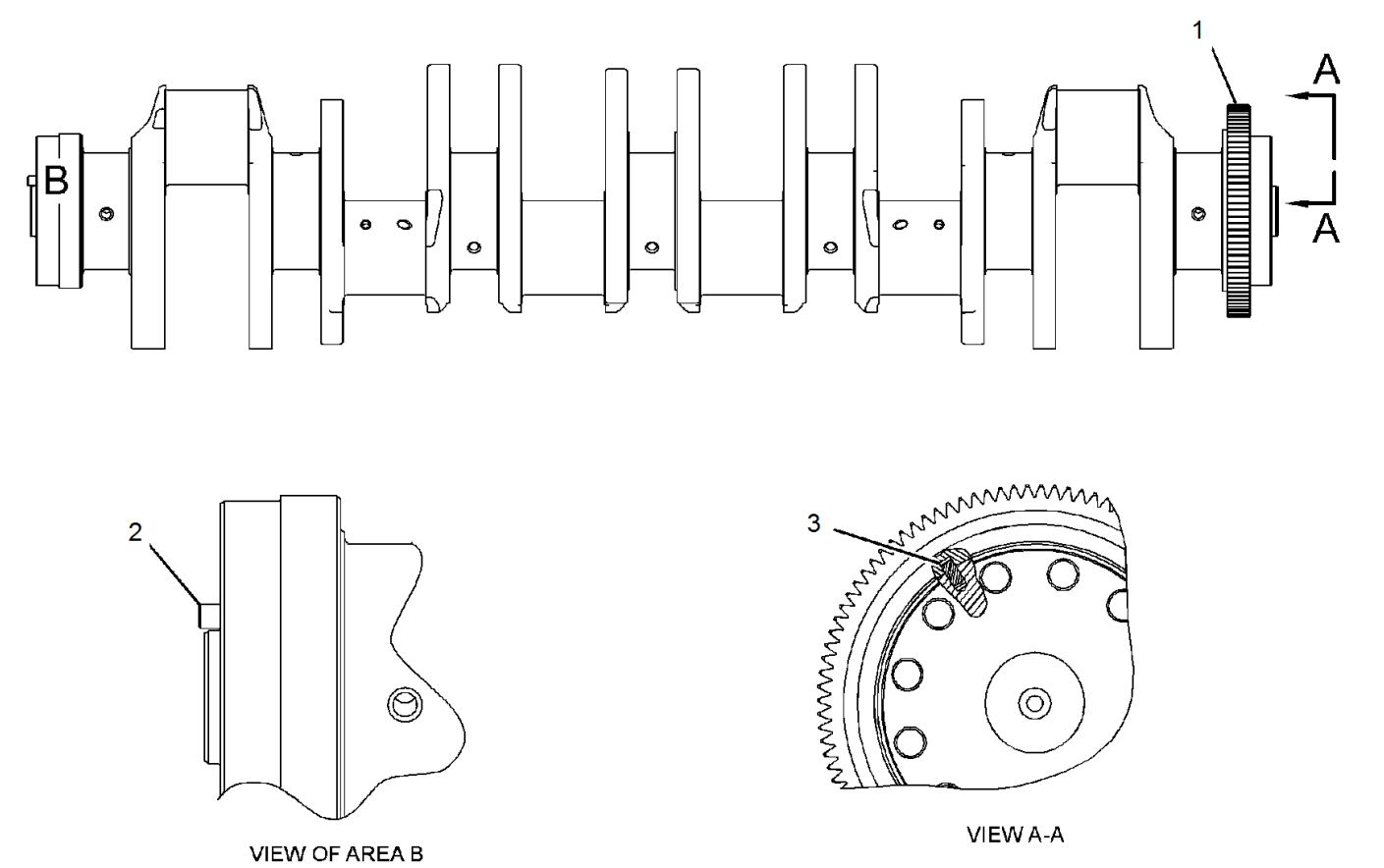


Ref.	Part number	Description	Qty	Code	Group page
1	2N-8109	CLAMP	2		
2	4N-4668	BREATHER AS (CRANKCASE)	2		
3	106-9488	BASE-VALVE MECHANISM COVER	6		
4	230-0940	SEAL-VALVE COVER	12		
5	114-8684	COVER-VALVE MECHANISM	4		
6	119-9015	COVER AS-VALVE	2		
(EACH INCLUDES)					
6A	7C-6514	ADAPTER	1		
6B	272-2583	SEAL-O-RING	1		
7	1B-2790	BOLT (5/16-18X1.375-IN)	66		
8	6V-3831	SEAL-O-RING	2		
9	9M-1974	WASHER-HARD (8.8X16X2-MM THK)	66		

384-9906 CRANKSHAFT AS

384-9906 CRANKSHAFT AS S/N 5JJ3909-UP PART OF 4N-0922 CRANKSHAFT GP

Drawing 1 of 1

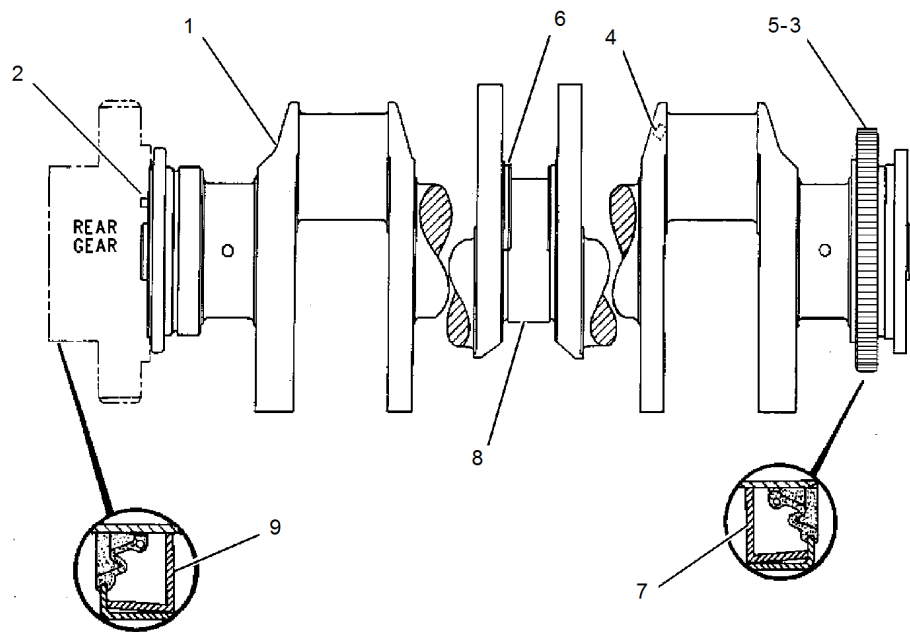


Ref.	Part number	Description	Qty	Code	Group page
1	151-2940	GEAR-CRANKSHAFT (99-TEETH)	1		
2	4N-0684	DOWEL	1		
3	7S-5005	DOWEL	1		

4N-0922 CRANKSHAFT GP

4N-0922 CRANKSHAFT GP S/N 5JJ3909-UP

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	151-2941	CRANKSHAFT AS	1	C	
2	4N-0684	DOWEL	1		
3	151-2940	GEAR-CRANKSHAFT (99-TEETH)	1		
4	8T-6757	PLUG-PIPE	6		
5	7S-5005	DOWEL	1		
6	253-1752	PLATE-THRUST	2	J	
7	142-5867	SEAL-CRANKSHAFT (FRONT)	1		
8	4W-5492	BEARING-MAIN (STANDARD)	7	J	
EACH SERVICED BY					
	317-8766	BEARING-MAIN (DIESEL)	1		
	321-5746	BEARING-MAIN (GAS)	1		
	4W-5698	BEARING-MAIN (0.63-MM US)		AB	
	4W-5699	BEARING-MAIN (1.27-MM US)		AB	
	4W-5700	BEARING-MAIN (0.63-MM OS)		AB	
	4W-5701	BEARING-MAIN (0.63-MM OS, 0.63-MM US)		AB	

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