

CATERPILLAR 623E

5SG / SEBP1870

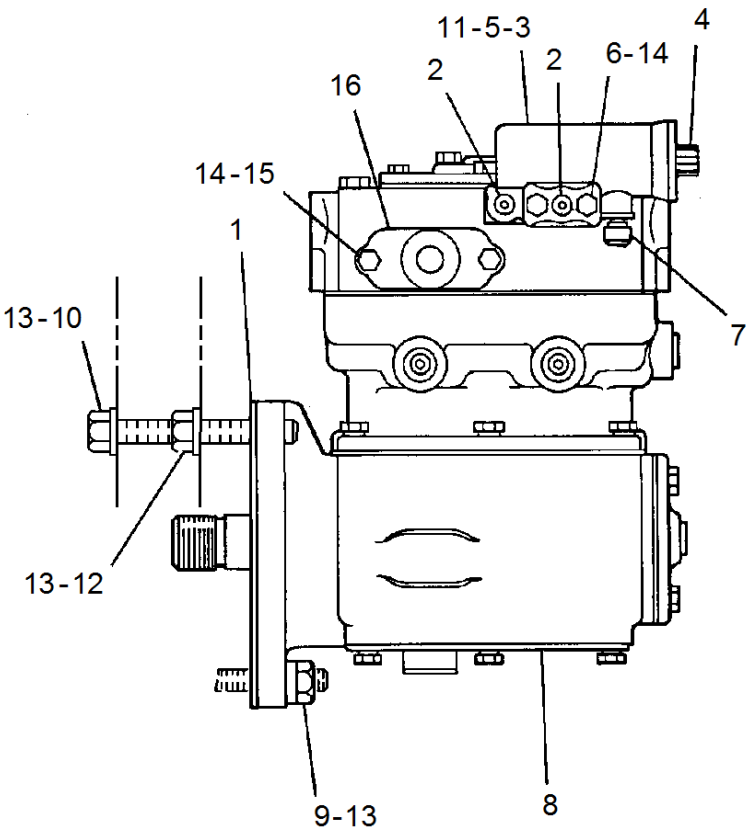
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1N-2981 AIR COMPRESSOR GP

1N-2981 AIR COMPRESSOR GP S/N 11N1-8638; 70V30440-99999 PART OF 9Y-1778 ENGINE AR

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	129-3948	SEAL-INTEGRAL	1		
2	9F-2247	PLUG-PIPE (1/8-27-THD)	3		
3	1P-7125	GOVERNOR AS-AIR COMPRESSOR	1		
4	2S-2923	COVER AS	1		
5	6L-1883	GASKET	1		
6	9M-0378	BOLT (5/16-18X2.87-IN)	2		
7	5F-5434	VALVE AS-VENT	1		
8	4W-6425	AIR COMPRESSOR GP	1	YC	
9	1F-7958	NUT-FULL (1/2-13-THD)	1		
10	1D-4569	BOLT (1/2-13X4.25-IN)	1		
11	5M-6214	PLUG (1/8-27 PTF)	1		
12	9X-8873	BOLT (1/2-13X2.25-IN)	1		
13	5P-8245	WASHER-HARD (13.5X25.5X3-MM THK)	3		
14	9M-1974	WASHER-HARD (8.8X16X2-MM THK)	4		
15	2B-2695	BOLT (5/16-18X0.875-IN)	2	C	

1N-2981 AIR COMPRESSOR GP (continued)

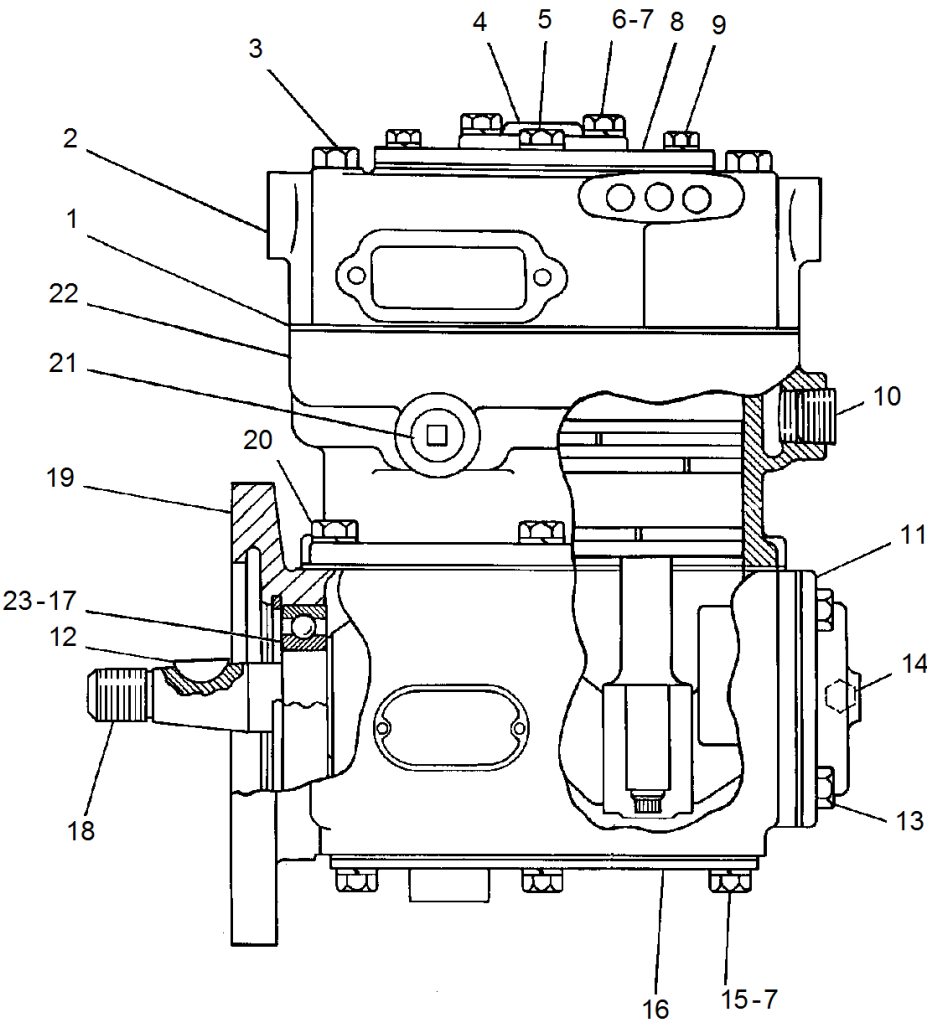
Ref.	Part number	Description	Qty	Code	Group page
16	9M-0397	ADAPTER	1	C	
	8M-7065	GASKET (AIR INLET)	1	C	
AVAILABLE REPAIR KIT(S):					
	9M-0402	KIT-GOVERNOR OVERHAUL (AIR COMPRESSOR)	1		
(INCLUDES COVER, GROMMETS, SPRING, FILTER & VALVE)					

CAT codes: C, R, Y.

4W-6425 AIR COMPRESSOR GP

4W-6425 AIR COMPRESSOR GP S/N 11N1-8638; 70V30440-99999 PART OF 1N-2981 AIR COMPRESSOR GP

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	7N-7448	GASKET	1		
2	7N-7447	HEAD AS-COMPRESSOR	1		
3	0S-1619	BOLT (3/8-16X3-IN)	5		
4	4W-9479	MANIFOLD-EXHAUST	1		
	1S-7107	GASKET	1		
5	0L-1352	BOLT (3/8-16X3.25-IN)	1		
	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	1		
6	2B-2695	BOLT (5/16-18X0.875-IN)	2		
7	3B-4505	LOCKWASHER	8		
8	7N-7450	COVER-UNLOADER	1		
	7N-7451	GASKET-UNLOADER	1		
9	0S-1615	BOLT (1/4-20X0.75-IN)	2		

4W-6425 AIR COMPRESSOR GP (continued)

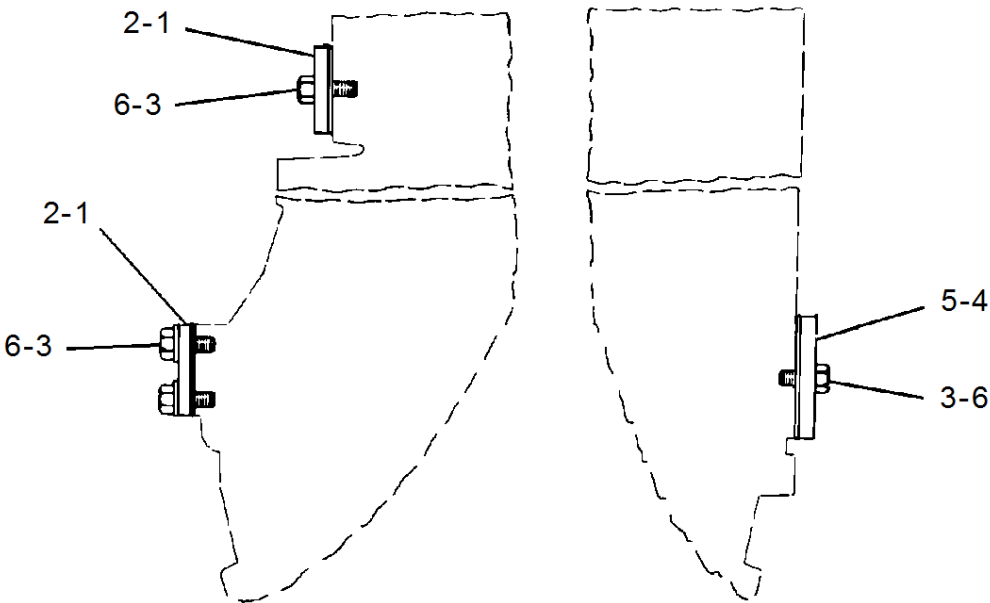
Ref.	Part number	Description	Qty	Code	Group page
	3B-4504	LOCKWASHER	2		
10	2B-0858	PLUG-PIPE	1		
11	7N-7441	COVER-AIR COMPRESSOR	1		
	7N-7442	GASKET	1		
12	1B-8714	KEY-WOODRUFF	1		
13	034-4160	BOLT-LOCKING (5/16-18X1-IN)	4		
14	5M-6214	PLUG (1/8-27 PTF)	1		
15	0S-1617	BOLT (5/16-18X0.75-IN)	6		
16	7N-7439	PLATE-COVER	1		
	7N-7440	GASKET	1		
17	8H-9789	BALL BEARING	2		
18	4W-6706	CRANKSHAFT-AIR COMPRESSOR	1		
19	4W-6681	CRANKCASE GP-AIR COMPRESSOR	1		
20	1A-2029	BOLT (3/8-16X1.125-IN)	6		
	3B-4506	LOCKWASHER	6		
21	4B-4845	PLUG (PIPE)	2		
22	7N-7445	CYLINDER BLOCK	1		
	7N-7446	GASKET	1		
23	4W-9489	RING-LOCK	1	C	
AVAILABLE REPAIR KIT(S):					
	7N-7435	KIT-AIR COMPRESSOR (MAJOR REPAIR)	1		
(INCLUDES STOPS, SPRINGS, SEATS, GUIDES, GASKETS, ETC)					
	4P-6409	KIT-PIN (AIR COMPRESSOR)	1	C	
	144-0503	KIT-PISTON & RING (STANDARD)(AIR COMPRESSOR)	1		
(INCLUDES BUTTONS, PIN, PISTON & RING KIT-PISTON)					
	138-2887	KIT-ROD & BEARING (AIR COMPRESSOR)	1		
(INCLUDES ROD AS. & BEARING KIT)					
	144-0502	KIT-PISTON RING (STANDARD)(AIR COMPRESSOR)	1		
(INCLUDES ENVELOPE-RINGS & RINGS-PISTON)					

CAT codes: C.

9N-0684 COVER GP-CYLINDER BLOCK

9N-0684 COVER GP-CYLINDER BLOCK S/N 11N1-8638; 70V30440-99999 PART OF 9Y-1778 ENGINE AR

Drawing 1 of 1



FRONT VIEW

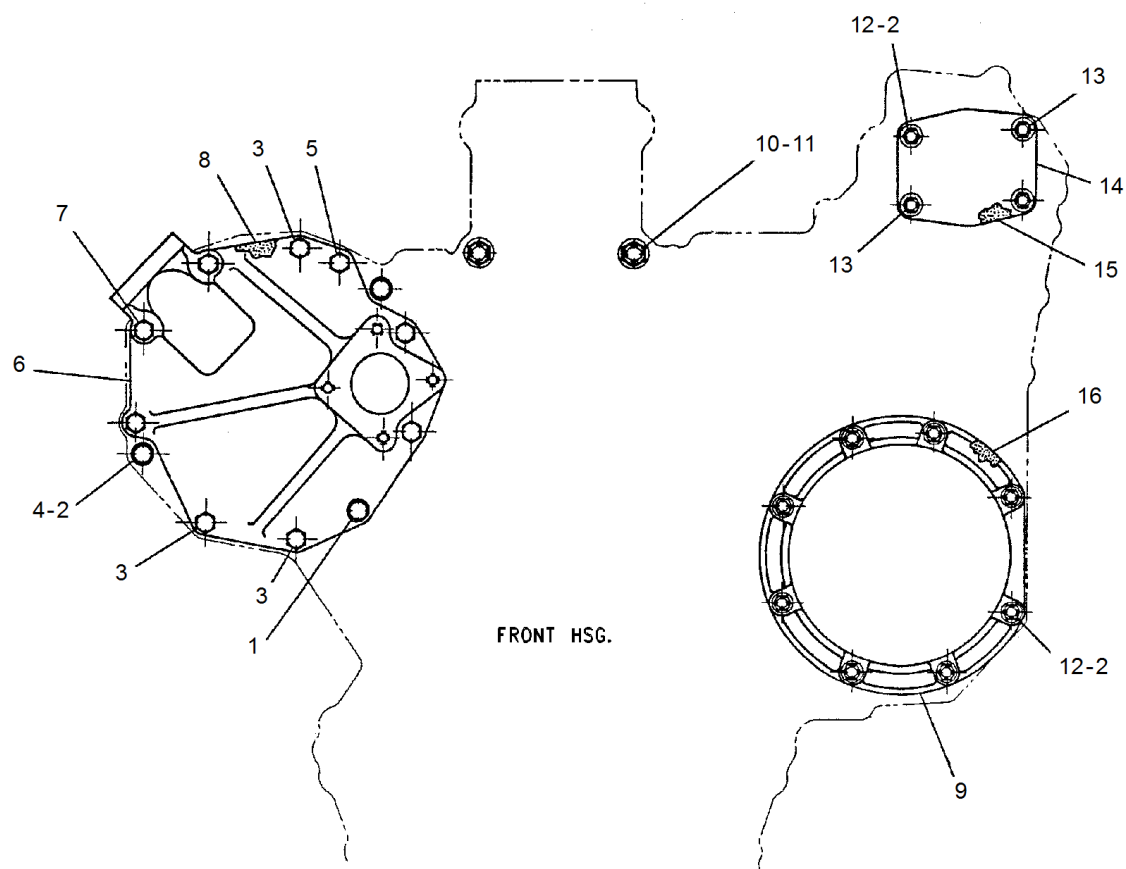
Ref.	Part number	Description	Qty	Code	Group page
1	4W-9890	COVER	2		
2	4N-0699	GASKET	2		
3	0S-1594	BOLT (3/8-16X1-IN)	6	C	
4	7C-0307	GASKET	1		
5	4N-0794	COVER	1		
6	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	6	C	

CAT codes: C.

1W-6566 COVER GP-FRONT HOUSING

1W-6566 COVER GP-FRONT HOUSING S/N 11N1-8638; 70V30440-99999 PART OF 9Y-1778 ENGINE AR

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	0S-1588	BOLT (3/8-16X1.25-IN)	1		
2	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	14		
3	1A-5964	BOLT (3/8-16X4.5-IN)	3		
4	0T-0055	BOLT (3/8-16X4.25-IN)	2		
5	0S-1594	BOLT (3/8-16X1-IN)	4		
6	7W-7676	COVER-WATER PUMP	1		
7	5B-9603	BOLT (3/8-16X5-IN)	2		
8	4N-2695	GASKET-COVER	1		
9	7W-9467	COVER	1	C	
10	5P-1393	STUD-TAPERLOCK	2		
11	1F-7958	NUT-FULL (1/2-13-THD)	2		
12	9S-8752	NUT-FULL (3/8-16-THD)	12		
13	3K-3256	STUD-TAPERLOCK (3/8-16X1.7-IN)	2		

1W-6566 COVER GP-FRONT HOUSING (continued)

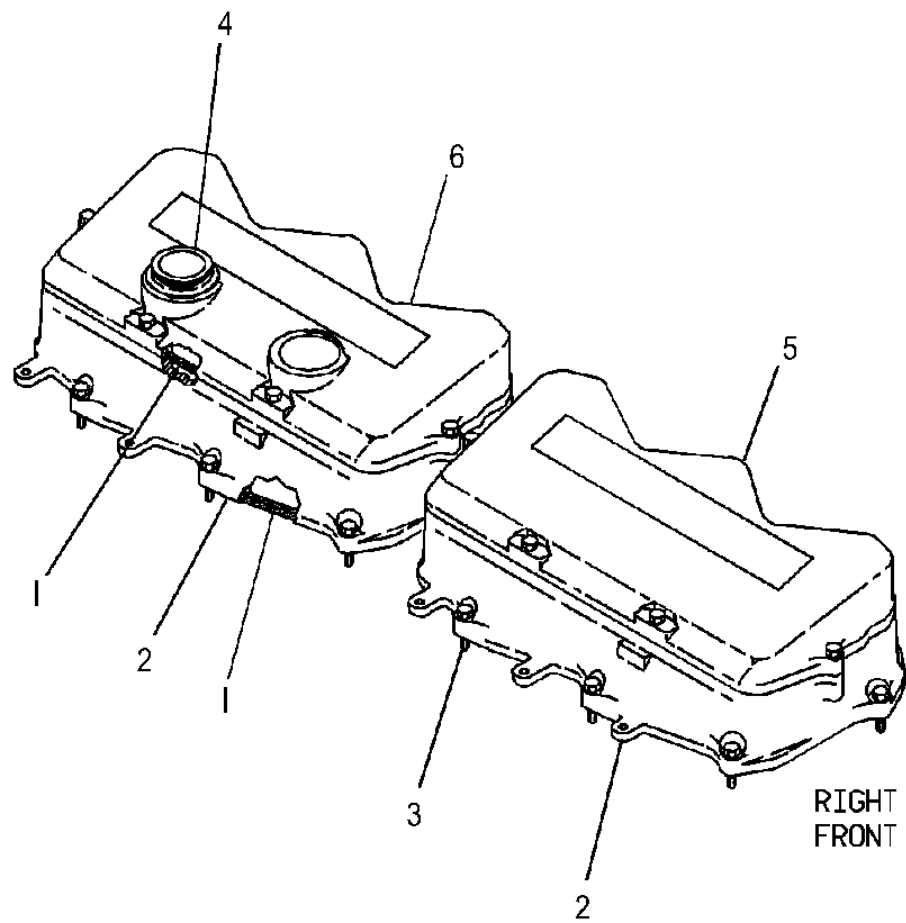
Ref.	Part number	Description	Qty	Code	Group page
14	4W-1215	COVER	1		
15	4N-4725	GASKET	1		
16	2W-0459	GASKET	1		

CAT codes: C.

7W-7353 COVER GP-VALVE MECHANISM

7W-7353 COVER GP-VALVE MECHANISM S/N 70V30440-31593 PART OF 9Y-1778 ENGINE AR

Drawing 1 of 1



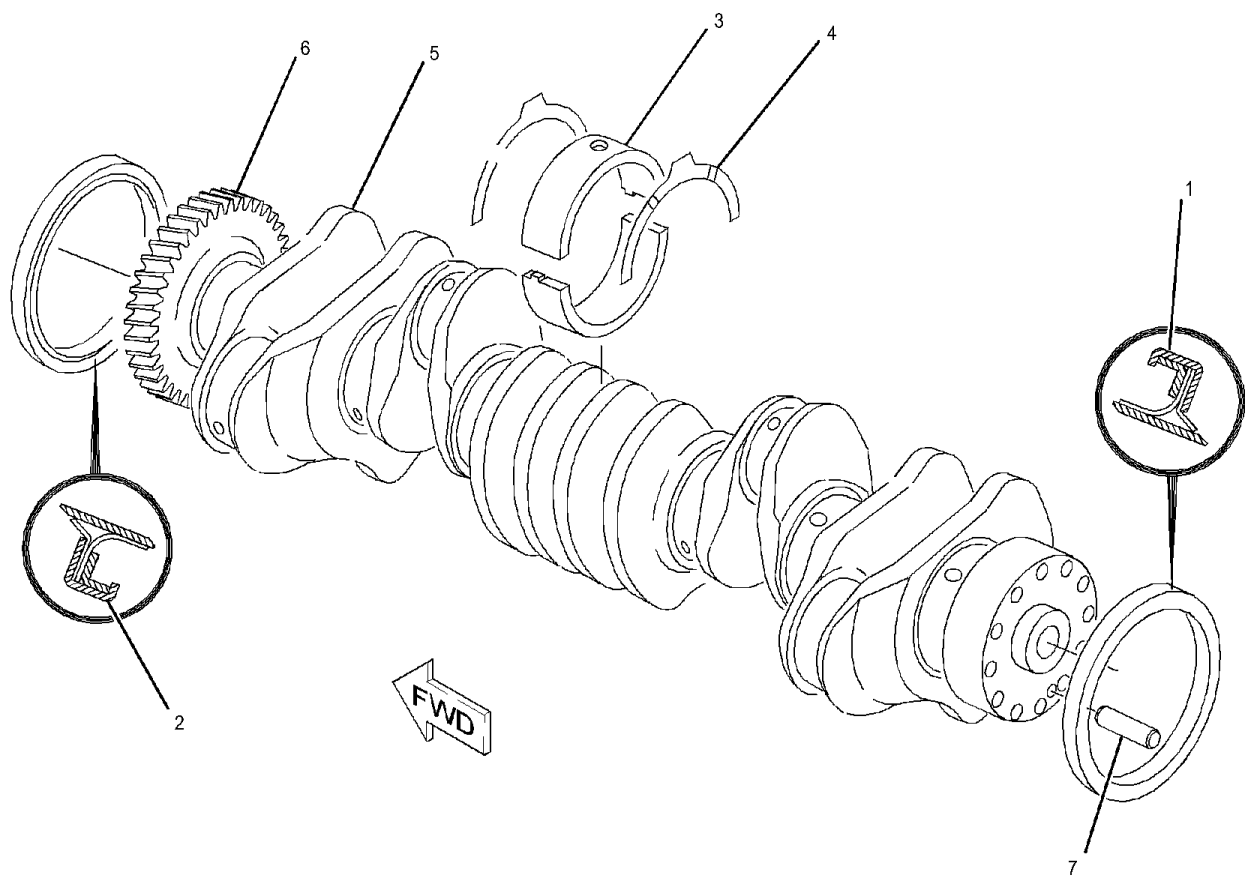
Ref.	Part number	Description	Qty	Code	Group page
1	5P-5678	SEAL		BD	
2	7W-7352	BASE-VALVE MECHANISM COVER	2		
3	9L-8925	BOLT (5/16-18X1.25-IN)	26		
4	7C-6514	ADAPTER	1	C	
	8C-5196	SEAL-O-RING	1	C	
5	4N-4537	COVER-ROCKER ARM	1	C	
6	7C-9669	COVER-ARMATURE	1	C	

CAT codes: B, C, D.

4N-0741 CRANKSHAFT GP

4N-0741 CRANKSHAFT GP S/N 70V30440-99999 PART OF 9Y-1778 ENGINE AR

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	2W-1734	SEAL GP-CRANKSHAFT (REAR)	1		
2	2W-1733	SEAL GP-CRANKSHAFT (FRONT)	1		
3	4W-5492	BEARING-MAIN (STANDARD)	7		
	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	
4	7N-8947	PLATE-THRUST	2		
5	7C-4859	CRANKSHAFT AS	1	C	
6	1W-9302	GEAR-CRANKSHAFT (80-TEETH)	1		
	7S-5005	DOWEL	1		
7	4N-0684	DOWEL	1		

CAT codes: A, B, C, R.

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5SG-SEBP1870

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