

CATERPILLAR 623F

6BK / SEBP2258

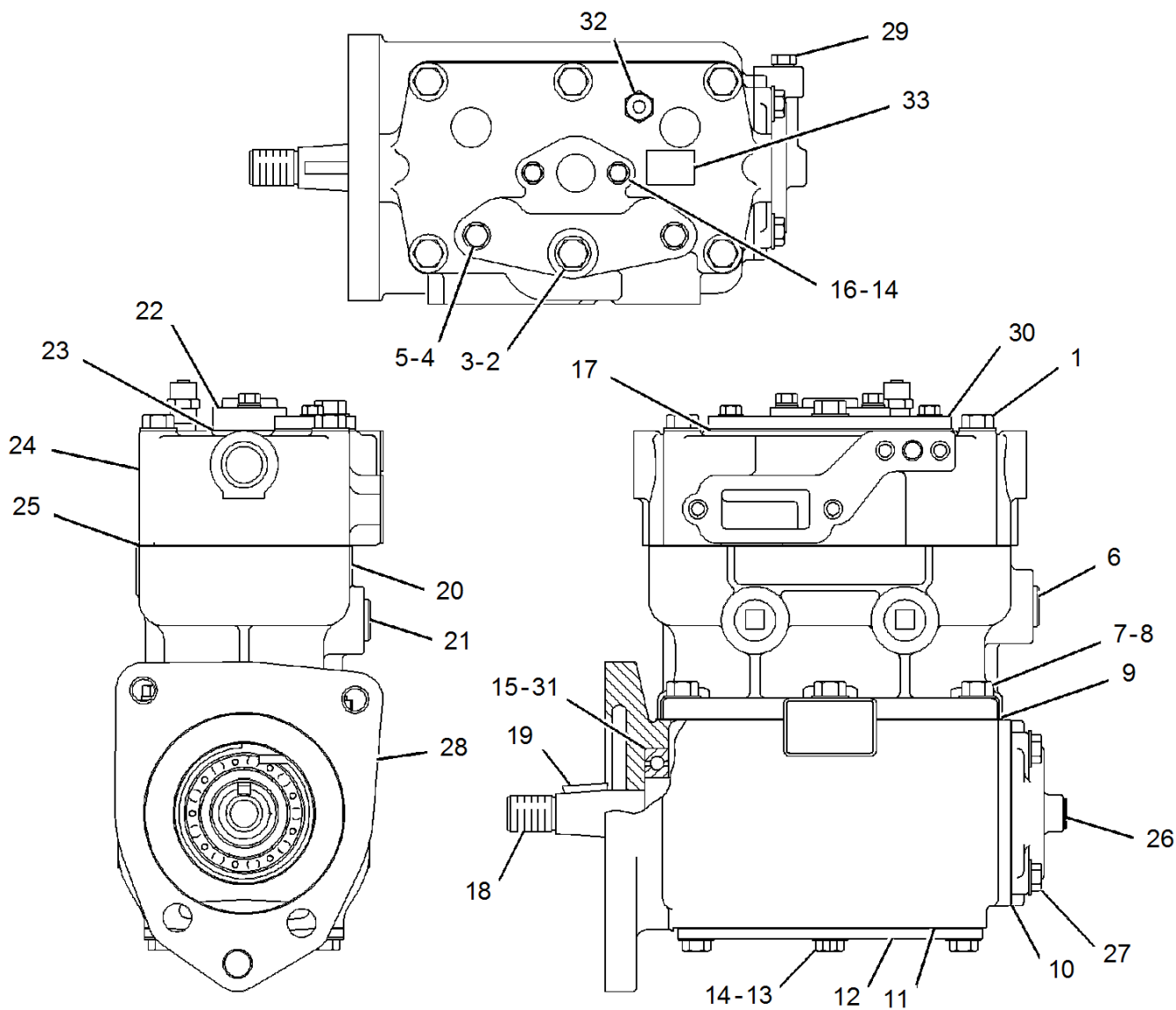
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Hydraulic system	
Air inlet and exhaust	
Basic engine	

144-0745 AIR COMPRESSOR GP

144-0745 AIR COMPRESSOR GP S/N 6BK1-UP PART OF 1N-2981 AIR COMPRESSOR GP

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	0S-1619	BOLT (3/8-16X3-IN)	5		
2	0L-1352	BOLT (3/8-16X3.25-IN)	1		
3	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	1		
4	0S-1615	BOLT (1/4-20X0.75-IN)	2		
5	3B-4504	LOCKWASHER	2		
6	2B-0858	PLUG-PIPE	1		
7	1A-2029	BOLT (3/8-16X1.125-IN)	6		
8	3B-4506	LOCKWASHER	6		
9	7N-7446	GASKET	1		

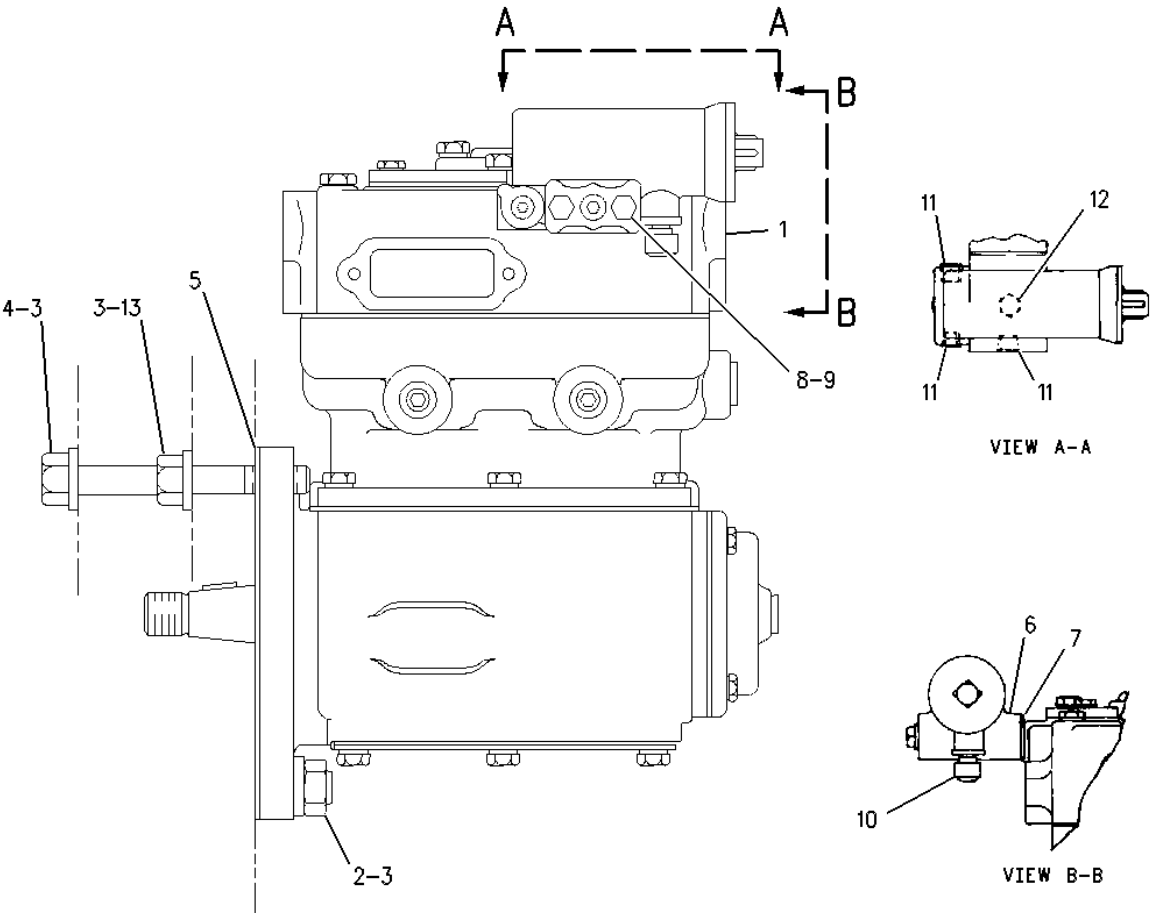
144-0745 AIR COMPRESSOR GP (continued)

Ref.	Part number	Description	Qty	Code	Group page
10	7N-7442	GASKET	1		
11	7N-7440	GASKET	1		
12	7N-7439	PLATE-COVER	1		
13	0S-1617	BOLT (5/16-18X0.75-IN)	6		
14	3B-4505	LOCKWASHER	8		
15	8H-9789	BALL BEARING	2		
16	2B-2695	BOLT (5/16-18X0.875-IN)	2		
17	7N-7451	GASKET-UNLOADER	1		
18	4W-6706	CRANKSHAFT-AIR COMPRESSOR	1		
19	1B-8714	KEY-WOODRUFF	1		
20	7N-7445	CYLINDER BLOCK	1		
21	4B-4845	PLUG	2		
22	4W-9479	MANIFOLD-EXHAUST	1		
23	1S-7107	GASKET	1		
24	7N-7447	HEAD AS-COMPRESSOR	1		
	5L-5502	FITTING	1		
	124-5572	VALVE AS-RELIEF (AIR COMPRESSOR)	1		
25	7N-7448	GASKET	1		
26	7N-7441	COVER-AIR COMPRESSOR	1		
27	034-4160	BOLT-LOCKING (5/16-18X1-IN)	4		
28	4W-6681	CRANKCASE GP-AIR COMPRESSOR	1		
29	5M-6214	PLUG (1/8-27 PTF)	1		
30	7N-7450	COVER-UNLOADER	1		
31	4W-9489	RING-LOCK	1		
32	138-9057	VALVE (PRESSURE RELIEF)	1		
33	130-5997	PLATE-INFORMATION (AIR COMPRESSOR)	1		
AVAILABLE REPAIR KIT(S):					
	4P-6409	KIT-PIN (AIR COMPRESSOR)			
	7N-7435	KIT-AIR COMPRESSOR (MAJOR REPAIR)			
(INCLUDES GASKETS, PINS, SPRINGS, VALVES, SEATS, COVER, BEARINGS, SEALS, WASHERS, & GUIDES)					
	138-2887	KIT-ROD & BEARING (AIR COMPRESSOR)			
(INCLUDES ROD AS & BEARING KIT-0.010 O.S.)					
	144-0502	KIT-PISTON RING (STANDARD)(AIR COMPRESSOR)	1		
	144-0503	KIT-PISTON & RING (STANDARD)(AIR COMPRESSOR)	1		
(INCLUDES PISTON, BUTTON, & RING KIT)					

1N-2981 AIR COMPRESSOR GP

1N-2981 AIR COMPRESSOR GP S/N 6BK1-UP PART OF 321-6313, 321-6314, 321-6316 ENGINE AR Type 1

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	144-0745	AIR COMPRESSOR GP	1	YC	
2	1F-7958	NUT-FULL (1/2-13-THD)	1		
3	5P-8245	WASHER-HARD (13.5X25.5X3-MM THK)	3		
4	1D-4569	BOLT (1/2-13X4.25-IN)	1		
5	129-3948	SEAL-INTEGRAL	1		
6	1P-7125	GOVERNOR AS-AIR COMPRESSOR	1		
	2S-2923	COVER AS	1		
	9M-0402	KIT-GOVERNOR OVERHAUL (AIR COMPRESSOR)	1		
(INCLUDES COVER, GROMMETS, SPRING, FILTER & VALVE)					
7	6L-1883	GASKET	1		
8	9M-0378	BOLT (5/16-18X2.87-IN)	2		
9	9M-1974	WASHER-HARD (8.8X16X2-MM THK)	2		
10	5F-5434	VALVE AS-VENT	1		

1N-2981 AIR COMPRESSOR GP (continued)

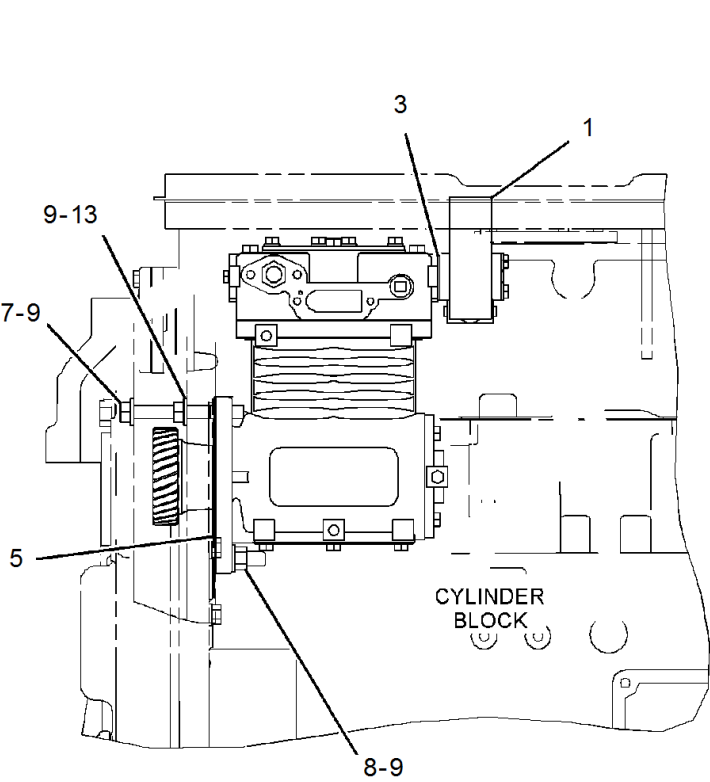
Ref.	Part number	Description	Qty	Code	Group page
11	9F-2247	PLUG-PIPE (1/8-27-THD)	3		
12	5M-6214	PLUG (1/8-27 PTF)	1		
13	9X-8873	BOLT (1/2-13X2.25-IN)	1		

CAT codes: C, R, Y.

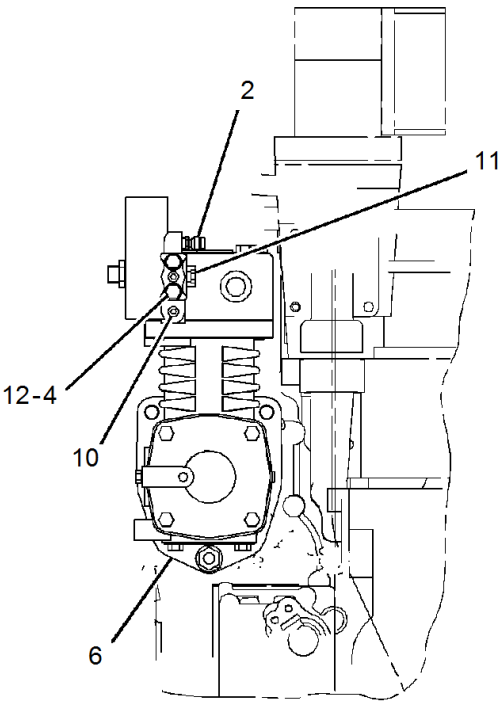
1N-2981 AIR COMPRESSOR GP

1N-2981 AIR COMPRESSOR GP S/N 6BK1-UP PART OF 321-6313, 321-6314, 321-6316 ENGINE AR Type 2

Drawing 1 of 1



LEFT SIDE VIEW OF ENGINE



REAR VIEW OF ENGINE

Ref.	Part number	Description	Qty	Code	Group page
1	1P-7125	GOVERNOR AS-AIR COMPRESSOR	1		
	2S-2923	COVER AS	1		
	9M-0402	KIT-GOVERNOR OVERHAUL (AIR COMPRESSOR)	1		
(INCLUDES COVER, GROMMETS, SPRING, FILTERS, VALVE, RING & GASKET)					
2	5F-5434	VALVE AS-VENT	1		
3	6L-1883	GASKET	1		
4	9M-0378	BOLT (5/16-18X2.87-IN)	2		
5	129-3948	SEAL-INTEGRAL	1		
6	354-7532	AIR COMPRESSOR GP	1	YC	
7	1D-4569	BOLT (1/2-13X4.25-IN)	1		
8	1F-7958	NUT-FULL (1/2-13-THD)	1		
9	5P-8245	WASHER-HARD (13.5X25.5X3-MM THK)	3		
10	8T-6757	PLUG-PIPE	3		

1N-2981 AIR COMPRESSOR GP (continued)

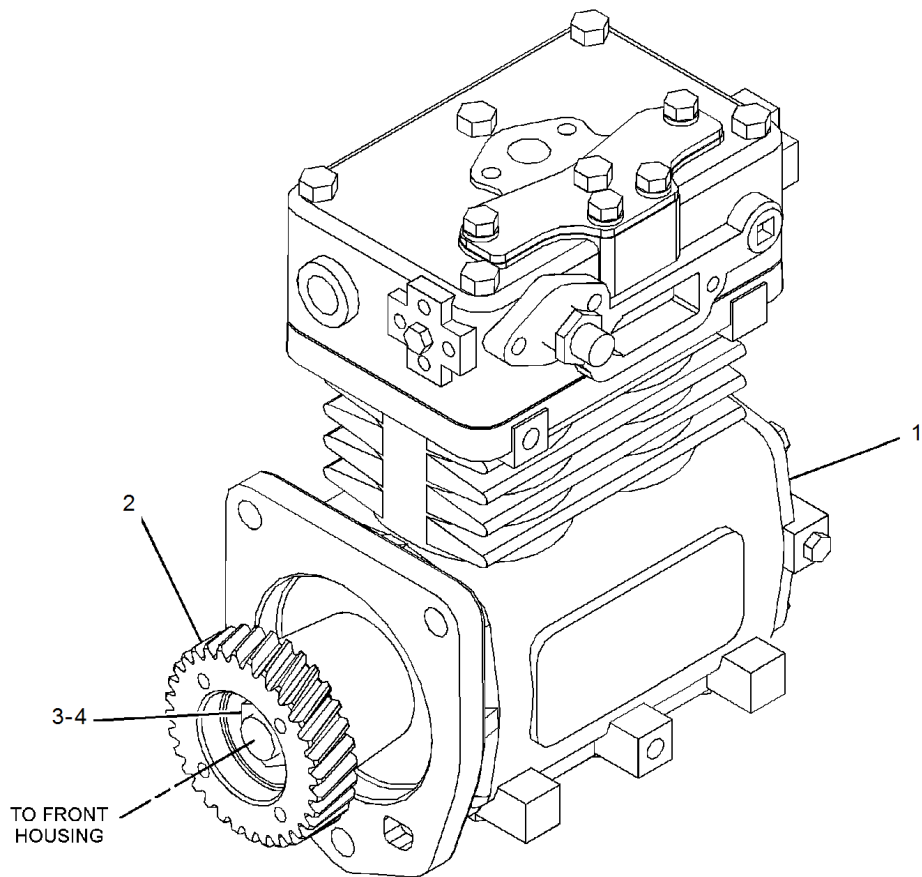
Ref.	Part number	Description	Qty	Code	Group page
11	8T-6764	PLUG-PIPE (1/8-27-THD)	1		
12	9M-1974	WASHER-HARD (8.8X16X2-MM THK)	2		
13	9X-8873	BOLT (1/2-13X2.25-IN)	1		

CAT codes: C, Y.

354-7532 AIR COMPRESSOR GP

354-7532 AIR COMPRESSOR GP S/N 6BK1-UP; 11N7400-99999; 41Z504-UP PART OF 1N-2981, 4P-1912 AIR COMPRESSOR GP

Drawing 1 of 1



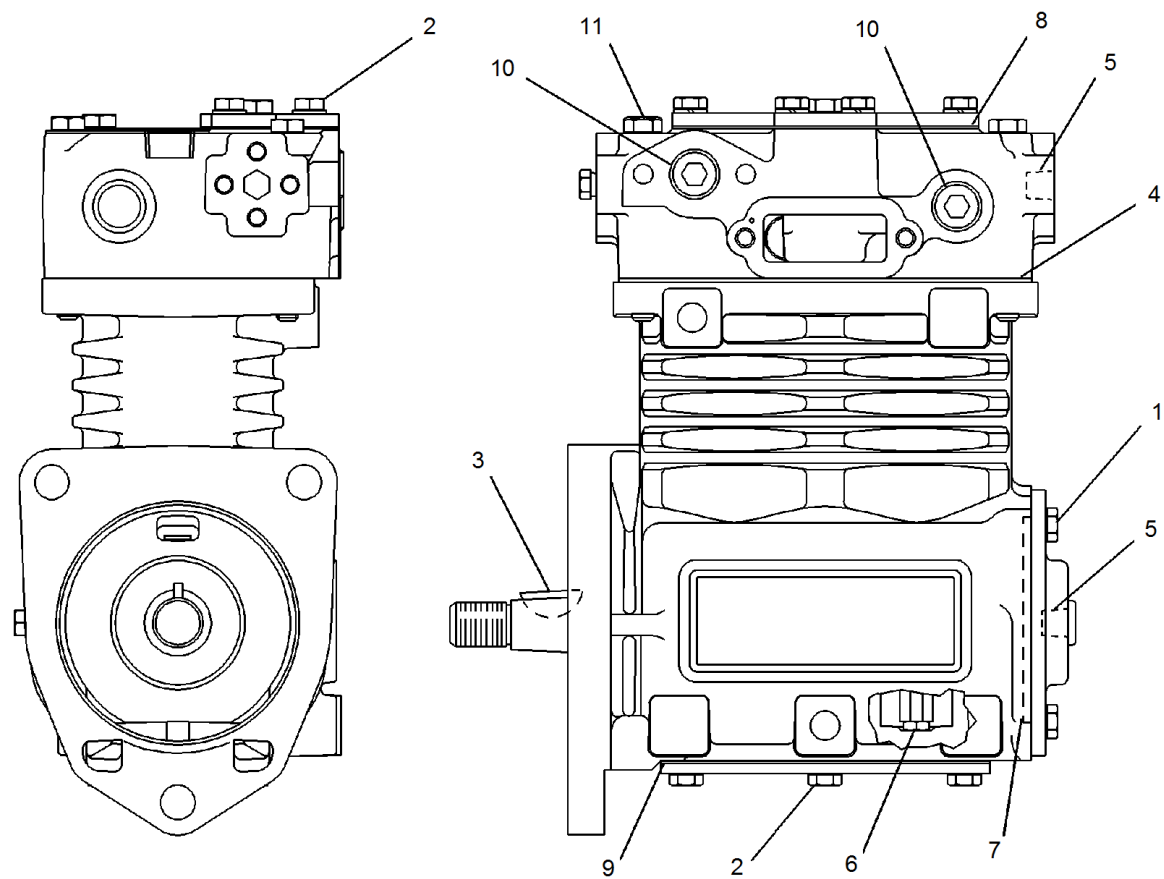
Ref.	Part number	Description	Qty	Code	Group page
1	4P-0676	AIR COMPRESSOR GP	1	Y	
2	7W-0140	GEAR-DRIVE (32-TEETH)	1		
3	5P-8248	WASHER-HARD (20X36.5X3.5-MM THK)	1		
4	6B-6682	NUT-FULL (3/4-16-THD)	1		

CAT codes: R, Y.

4P-0676 AIR COMPRESSOR GP

4P-0676 AIR COMPRESSOR GP S/N 6BK1-UP; 11N7400-99999; 41Z504-UP PART OF 354-7532 AIR COMPRESSOR GP

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	0S-1615	BOLT (1/4-20X0.75-IN)	4		
2	0S-1617	BOLT (5/16-18X0.75-IN)	10		
3	1B-8714	KEY-WOODRUFF	1		
4	4P-3977	GASKET-CYLINDER HEAD	1		
5	5M-6214	PLUG (1/8-27 PTF)	2		
6	4P-3966	PISTON & ROD AS	1		
7	7C-6178	BEARING-REAR	1		
8	7E-8927	GASKET-UNLOADER	1		
9	7E-8928	GASKET	1		
10	6V-0387	PLUG-PIPE	2		
11	8T-8915	BOLT (3/8-16X3.25-IN)	6		
AVAILABLE REPAIR KIT(S):					
	164-7572	KIT-RING (AIR COMPRESSOR)	1		
(INCL RINGS-STD PISTON,					
RINGS-PSTN SEG,					

4P-0676 AIR COMPRESSOR GP (continued)

Ref.	Part number	Description	Qty.	Code	Group page
		RINGS-STD SPACER, AND SHEET-INST)			
	7E-8926	KIT-CYLINDER HEAD (AIR COMPRESSOR)	1		
		(INCL GASKETS, PISTONS, SPRINGS, STOPS, VALVES, SEATS & O-RING)			
	7E-8923	KIT-CRANKSHAFT BEARING (AIR COMPRESSOR)	1		
		(INCL SEALS, BEARINGS, WASHERS, INSERTS, AND GASKETS)			
	150-5146	KIT-UNLOADER (AIR COMPRESSOR)	1		

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