5 H.P. ELECTRIC STATIONARY SINGLE STAGE

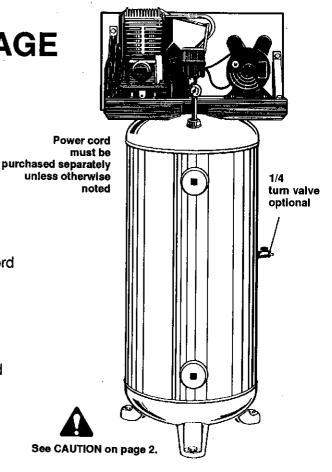
165 TWIN CYLINDER PUMP

MODELS

165BP500 w/felt filter 500BP w/felt filter 500B w/canister filter

500BPL2 w/felt filter includes power cord 500BPL w/felt filter 500BL w/canister filter *

500BPC w/felt filter includes power cord



SPECIFICATION CHART

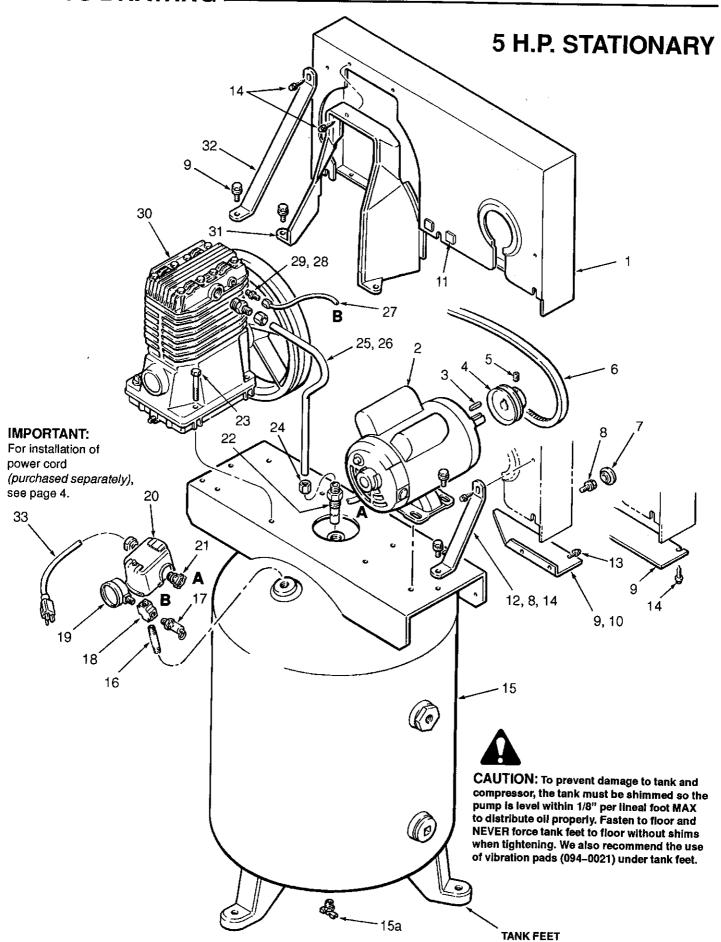
MODEL NO.	H.P.	AIR RECEIVER TANK CAPACITY GALLLONS	VOLTAGE/ AMPS/ PHASE	CFM @ 40 PSI	CFM @ 90 PSI	APPROX. KICK-IN PRESSURE	APPROX. KICK-OUT PRESSURE
165 SERIES		Vert. 44 & 60 ASME	7 11.				
	5	Horiz. 44 & 60 ASME	230/15/1	12.7	10.6	90	120
500 SERIES		Vert. 44 & 60 ASME					
		Horiz. 44 & 60 ASME					

^{*} CROSS-REFERENCE: AEPA5044V = 500BL44V

In the event you should have a question, or a concern, with the air compressor, **DO NOT return** it to the store where you purchased it. Most problems and concerns can be taken care of on the telephone!

Simply call (800) 544–5145 (Toll Free) and discuss the concern with our trained Customer Service Department. Should you not be able to reach us at the above number, please check the Service Center Listing included with your instruction manual and call the Service Center nearest you for assistance.

CAUTION: Read the operator's manual carefully before attempting to operate or service this unit! FAILURE TO COMPLY WITH INSTRUCTIONS COULD RESULT IN: VOIDING OF YOUR WARRANTY, PERSONAL INJURY AND / OR PROPERTY DAMAGE! This Air Compressor is precision built from the finest materials and with proper care and maintenance will perform efficiently.



MODEL 165BP500 with felt filter 44, 60 gal vertical or 44, 60 gal horizontal A.S.M.E tank includes items 1-32

MODEL 500BP with felt filter 60 gal vertical A.S.M.E tank includes items 1-32

MODEL 500B with canister filter 60 gal vertical A.S.M.E tank includes items 1-32

MODEL 500BPL2 with felt filter 60 gal vertical A.S.M.E tank includes items 1-33, with item 33 in separate bag

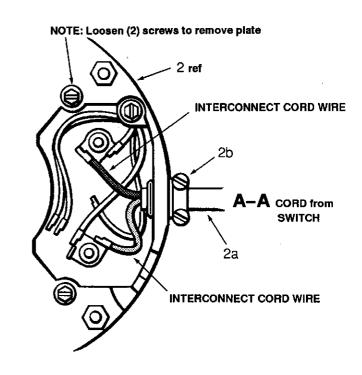
MODEL 500BPL with feit filter 44, 60 gal vertical or 60 gal horizontal A.S.M.E tank includes items 1–32

MODEL 500BL with canister filter 60 gal vertical A.S.M.E tank includes items 1-32

MODEL 500BPC with felt filter 44, 60 gal vertical or 60 gal horizontal A.S.M.E tank

includes items 1-33 (item 33 assembled to switch)

MOTOR WIRING DETAIL



	PART NO	DESCRIPTION	QTY		PART NO	DESCRIPTION	QTY
1	142-0049	BELT GUARD	1	18	028-0005	CROSS	1
2	160-0160	MOTOR, 5 H.P., service	1	19	032-0025	GAUGE, 300 PSI	ا
		does not include 2a or 2b	-h	20	034-0088	SWITCH, pressure	ا
00	006 0400	See MOTOR WIRING DETAIL :	above	20a	136-0038	.VALVE, unloader, includes va	.ive,
2a	026-0188	CORD, interconnect A-A	1	04	074 0000	nut, star washer & comp. nut	1
2b	071-0002	STRAIN RELIEF	1	21	071-0002	STRAIN RELIEF	2
3	146-0016	KEY, 3/16 X 1"	ļ	22	031-0035	CHECK VALVE	1
4	006-0103	PULLEY, 3.75" dia	l a	23	059-0146	BOLT, 5/16" NC x 2 1/4"	4
5 6	061-0006	SETSCREW, 5/16"-18 x 3/8" lg	1	24	058-0016	COMP. NUT & SLEEVE	2
6	008-0036	V-BELT,	1	25	145-0092	TUBE, transfer 1/2" (aluminum)	
7	093-0005	PLUG, button	3		145-0191	TUBE, transfer 1/2" (copper)	Of
8	059-0012	.BOLT, lock 5/16"-18 x 1/2" lg	11		145-0232	TUBE, transfer 1/2" (with fins)	1
9	125-0051	UNDERPAN, horizontal tank	or	26	068-0009	CONNECTOR, male	
	125-0100	UNDERPAN, vertical tank				1/2" NPT x 1/2" O.D. tube	. 1
		right side (shown)	1	27	145-0082	TUBE, bleeder 1/4" B-B (alum.	
10	125-0099	UNDERPAN, vertical tank			145-0215	TUBE, bleeder 1/4" B-B (coppe	
		left side (not shown)	1	28	058-0017	COMP. NUT & SLEEVE	2
11	094-0010	PAD, vibration	4	29	068-0002	CONNECTOR, male	
12	114-0006	BRACKET, belt guard	1			1/8" NPT x 1/4" O.D. tube	_ 1
13	061-0056	SCREW, #10 x 1/4" lg thd frm		30	040-0193	PUMP ASSEMBLY less flywhee) /
		vertical tan				Model 165 w/ felt filter	or
		horizontal tan			040-0197	PUMP ASSEMBLY less flywhee	<i>)</i> /
14	061-0055	SCREW, #10 1/2" lg sheet meta				Model 165 w/ canister filter	
		vertical tan				See pages 6 & 7 for parts	1
		horizontal tan	k 8	31	142-0039	SHROUD	1
15	153-0034	TANK ASSY, 44 gal vert ASME	or	32	114-0129	BRACKET, belt guard	1
	153-0035	TANK ASSY, 44 gal horiz ASME	or				
	153-0032	TANK ASSY, 60 gal vert ASME	or	OPT	IONS not sho	wn (purchased separately)	
	153-0033	TANK ASSY, 60 gal horiz ASME		33	026-0187	CORD, power, 6 ft lg	1
		includes 15a	1		094-0021	PAD, vibration, tank feet	3
15a	072-0001	.PETCOCK, 1/4"	1		073-0007	VALVE, 1/4 turn 3/8" NPT	1
16	065-0005	NIPPLE, 1/4"	1		065-0032	NIPPLE, 3/8" NPT	i
17	136-0037	VALVE, pressure relief ASME	1		000 0002	•	•
						200-1	⁹⁷⁴ 3
	•						

POWER CORD INSTALLATION

When Power Cord is Wired Directly to Pressure Switch

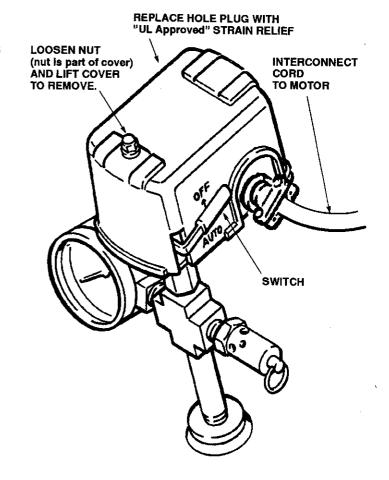
WARNING: The cord should be installed by a qualified electrician following all current **State and Local codes**.

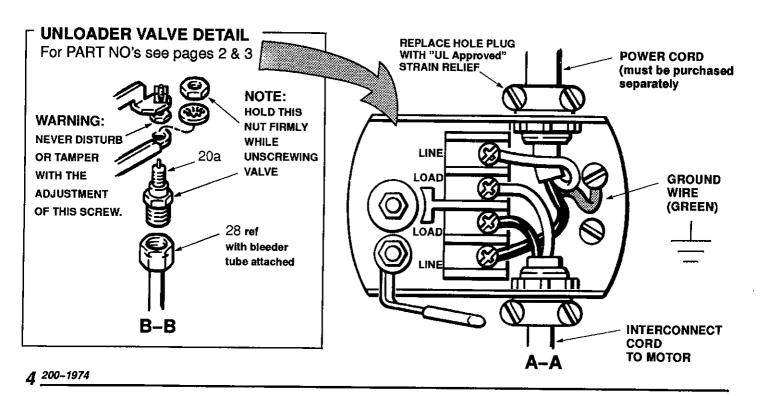
IMPORTANT NOTE: The cord recommended is a 14/3 105°C ST with a 6 ft. minimum length. A "UL Approved" Strain Relief must be used on all units.

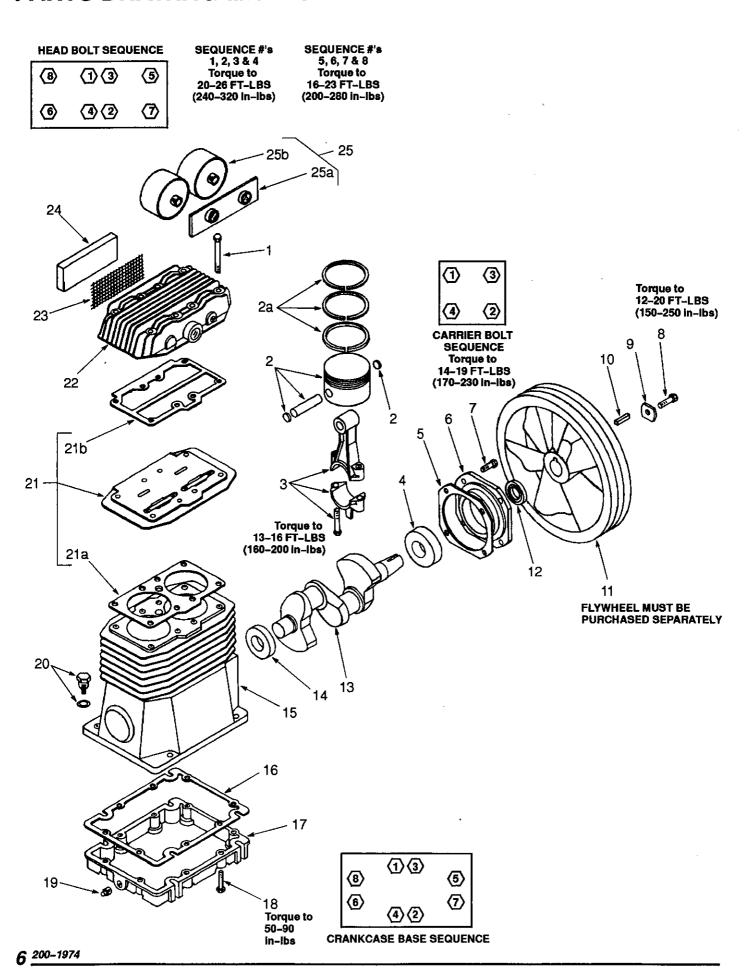
IMPORTANT NOTE: The outlet used *must* be a dedicated line for the air compressor only.

INSTALLATION:

- 1. Move switch to the "OFF" position. See Figure at right.
- 2. Loosen the nut (nut is part of the cover) and lift the cover to remove. See Figure at right.
- 3. Remove the hole plug. See Figure below.
- Install strain relief and attach wires to the proper connection. Tighten screws to 25–35 in-lbs. See Figure below.
- 5. Replace cover and retighten nut.
- 6 Air compressor is ready to be plugged in and turned on if you have followed other "START UP" instructions according to your User Manual.







PARTS DRAWING and LIST_

165 PUMP 040-0193 less flywheel with felt filter includes items 1-10, 12-24			PART NO 053-0043 051-0013	DESCRIPTION CRANKSHAFT BEARING	QTY 1
165 PUMP 040-0197 less flywheel with canister filter includes items 1-10, 12-22 & 25			049-0035 046-0150 077-0065 059-0145	CRANKCASE GASKET, crankcase base BASE, crankcase SCREW, 1/4" x 1 1/4" lg	1 1 1 8
FLYWHEEL 0- ITEM 11 (must be	e purchased separately)	18 19 20 21	062-0002 056-0019 043-0143	PLUG, 1/8" NPT DIPSTICK w/o-ring PLATE, valve assembly includes items 21a & 21b	1 1
ITEM PART NO 1 059-0151 and	DESCRIPTION QT SCREW, stud 5/16" x 3.5" lg	1 21b	046-0152 046-0151 042-0068	GASKET, cylinder GASKET, head HEAD	1 1 1
059–0144 2 048–0065	PISTON ASSEMBLY includes piston w/wrist pin & 2 ret. caps	7 23 24 25	118-0023 019-0052 019-0090	SCREEN, felt filtered models FILTER, inlet, felt filtered models CANISTER FILTER ASSEMBLY	
2a 054-0112	and item 2a RING SET, includes taper face, scraper groove and an oil ring group		019-0096 019-0049	includes items 25a & 25b .PLATE, filter .CANISTER, filter,	1 1 2
3 047-0070 4 051-0043	ROD, connecting BEARING, open	1	019-0053	each includes 1 of item 25b1ELEMENT, filter	1
4 051-0043 5 046-0149 6 045-0047 7 059-0143 8 059-0002 9 060-0053 10 146-0016 11 044-0040 12 046-0161	GASKET, bearing carrier CARRIER, bearing SCREW, 5/16" x 7/8" lg SCREW, 5/16" x 1" lg WASHER, flywheel KEY, 3/16" sq x 1" lg FLYWHEEL, 12" O.D. B-width must be purchased separately SEAL, oil	1	AVAILABLE PART NO 046-0159 165-0083	SERVICE KITS DESCRIPTION GASKETS, complete set OVERHAUL KIT, felt filter model includes ring and gasket sets, va plate assembly and filter element OVERHAUL KIT, canister filter m includes ring and gasket sets, va plate assembly and filter element	t Iodel Ive

ITEM 2a - RING SET 054-0112

IMPORTANT: Rings must be assembled with colored stripes in the position designated below and in the following numerical sequence:

