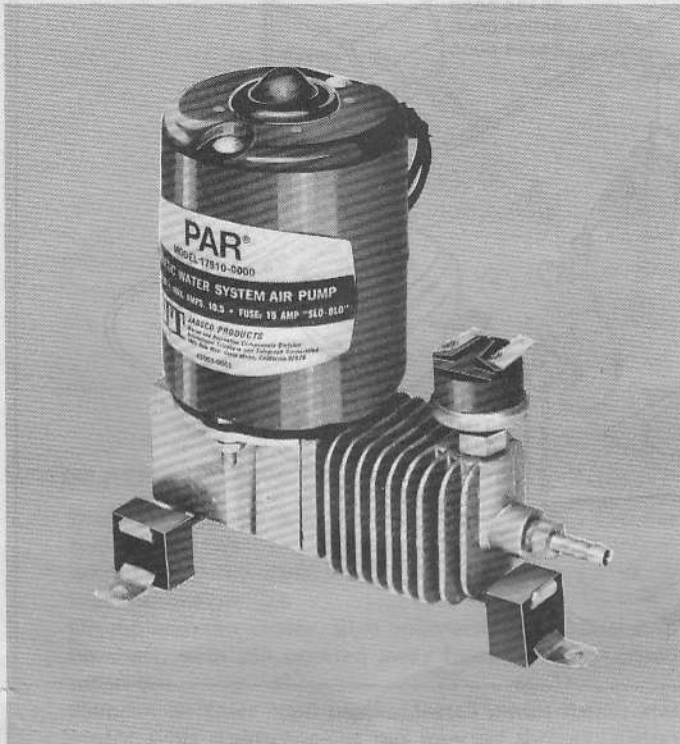


PRODUCT DATA



FEATURES

- Maintenance free design. No lubrication required.
- Unitized piston and connecting rod simplifies design, quiets down operating noise and provides better reliability.
- Teflon piston seal designed to last compressor life.
- Positive seal discharge check valve protects compressor against excessive park water pressure.
- Series wound motor eliminates reverse polarity problem.
- Large intake filter allows only clean air.
- Large vibration pads "floats" compressor from floor-board. Helps reduce operating noise.
- Heavy duty pressure switch.

SPECIFICATIONS

Voltage:	12 Volts D.C.
Current Draw:	8 Amps. Nominal
Fuse Size:	10 Amps. Slo Blo
Cut-In Pressure:	20 PSI 1.4 Kgs/sq cm
Cut-Out Pressure:	35 PSI 2.5 Kgs/sq cm
Air Flow:	0.85 cfm
Noise Level:	Under 75 db.
Port Size:	3/16" Hose Barb.

APPLICATIONS

Pressurizes water systems in any size recreational vehicle or boat. Provides an instant and even stream of water with the opening of the faucet. Compressor automatically maintains pressure in water tanks (use only pressure type water storage tanks).

Ideal for pumping air mattresses, inflatable boats, emergency inflation of vehicle tires or wherever compressed air is needed.

OPERATION

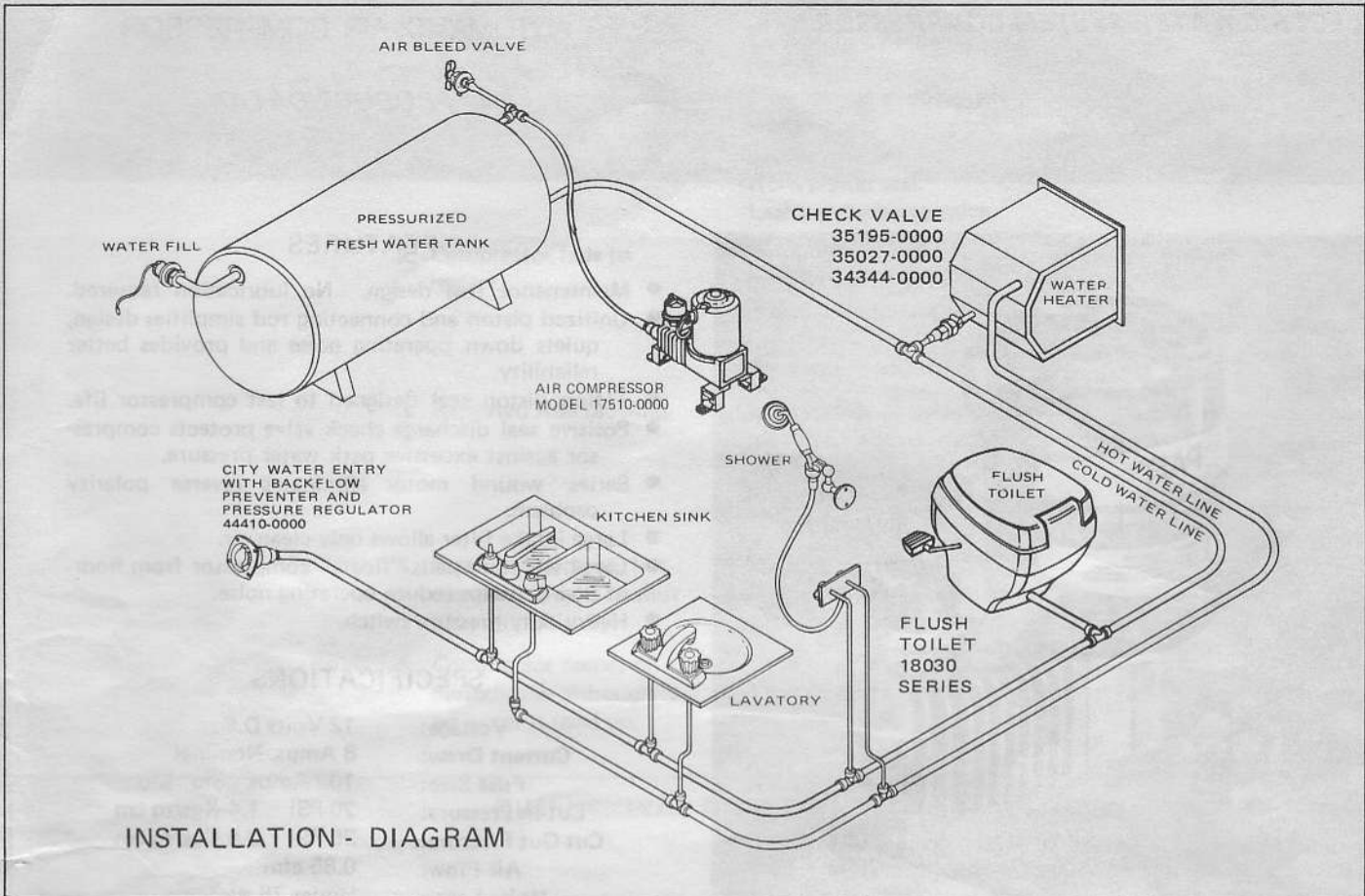
WARNING: BLEED ALL PRESSURE FROM SYSTEM BEFORE FILLING WITH WATER OR ATTEMPTING ANY SERVICE OR REPAIRS.

1. Turn off power to compressor.
2. Open all faucets and tank air-bleed valve.
3. Fill tank with water, either through fill tube or through water service hookup.
4. Close tank air-bleed, water fill and faucets when water flows smoothly (close cold water faucets first then hot water faucets).
5. Turn on power to compressor. Compressor operation is automatic. It will maintain air pressure in the tank, running only when pressure reaches a low limit.

NOTE: Check air hose fittings and all water system connections for leaks.

MODEL 17510-0000
AUTOMATIC AIR COMPRESSOR

INSTALLATION INSTRUCTIONS



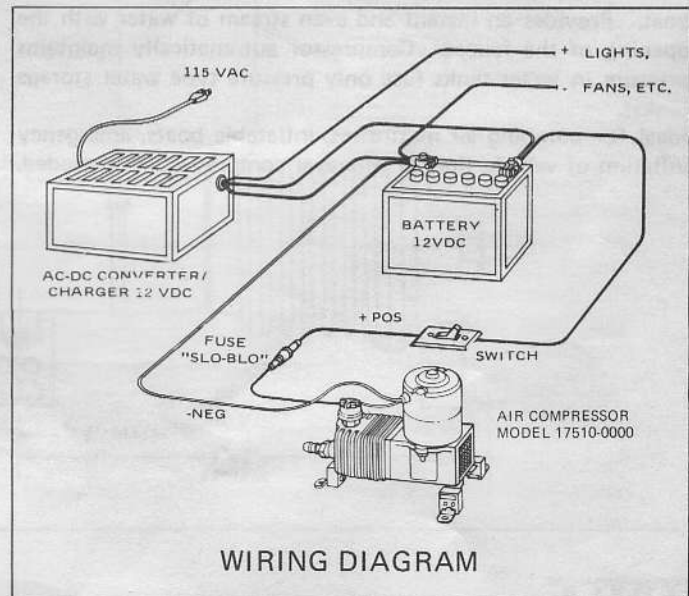
MOUNTING

Mount compressor in a dry, clean location with good ventilation away from exhaust fumes, road dust and moist air. To prevent siphoning of water into the compressor, ensure that air hose attachment point on the water pressure tank will remain above the maximum water level. For quiet operation and good vibration dampening, position the compressor upright on a firm surface using vibration dampeners supplied. Connect air hose from compressor discharge port to the water tank. Make connections airtight.

WIRING

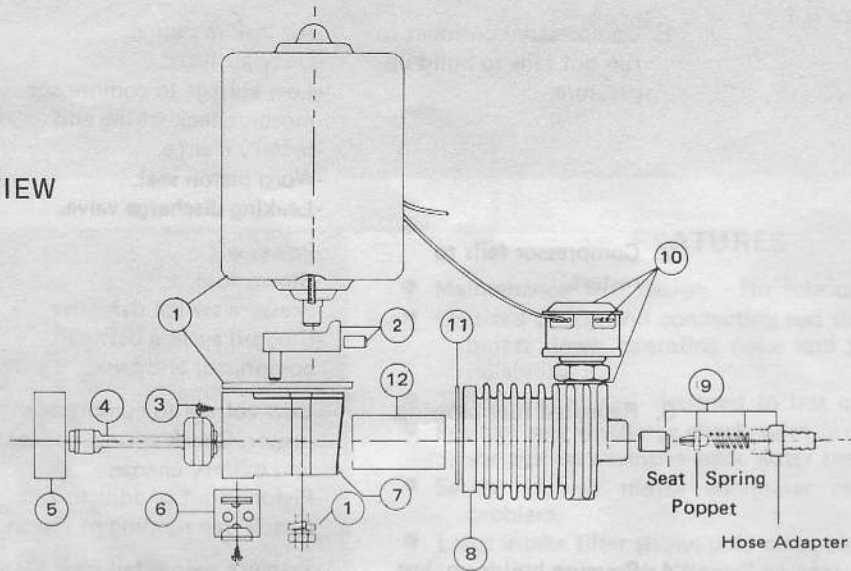
See wiring diagram for proper connections. Compressor should be wired in an independent circuit. Use No. 12 AWG stranded copper wire. Do not use lamp cords or other smaller wires. On the positive lead install a 10 amp "Slo-Blo" fuse and a manual switch.

After installation, check that voltage is not less than 10 volts DC at the compressor motor, with the compressor operating. If an AC/DC converter is used for power supply, turn on all electrical loads inside the coach when checking voltage at the compressor.



SERVICE

EXPLODED VIEW



MOTOR REPLACEMENT

1. Disconnect motor wire from pressure switch. Remove two motor hex nuts and separate motor and counterweight assembly from block. Loosen set screw to remove counterweight.
2. On replacement motor, slide counterweight against stop on shaft, with pin pointed away from motor. Tighten set screw.
3. Remove air filter from block. Install motor gasket and motor with counterweight pin inserted through piston rod.
4. Install motor, motor hex nut lockwashers, and motor hex nuts. Position motor and tighten nuts at a point where piston extends fully into cylinder without striking cylinder head. Check proper adjustment by turning counterweight with finger to be sure piston does not strike head.
5. Install filter. Reconnect motor wires to pressure switch per wiring diagram.

SWITCH REPLACEMENT

1. Disconnect motor wires from pressure switch. Unscrew switch from cylinder head.
2. On replacement switch, apply sealing compound to threads sparingly (allow no compound in cylinder head). Put gasket on switch and screw into cylinder head.
3. Reconnect motor wires to pressure switch per wiring diagram.

PISTON ASSEMBLY AND SLEEVE REPLACEMENT

1. Disconnect motor wires from pressure switch. Remove motor hex nuts and separate motor and counterweight assembly from block.
2. Remove air filter. Remove four screws from inside block and separate block from cylinder. Remove piston assembly, sleeve and sleeve gasket from cylinder.
3. Install replacement sleeve gasket. Slip piston into chamfered end of sleeve. Insert sleeve into cylinder head. Secure head to block with four self-tapping screws.
4. Perform steps 4 and 5 of "Motor Replacement" to complete reassembly.

DISCHARGE CHECK VALVE REPLACEMENT

1. Unscrew check valve body/hose adaptor. Remove spring and poppet.
2. Dislodge check valve seat with a hooked wire. Be sure not to scratch seat bore.
3. Push new seat into place with a flat punch, stepped end facing out.
4. Set poppet on seat with dome of poppet away from seat.
5. Place spring against poppet dome end.
6. Install check valve body/hose adaptor.

PARTS LIST

Key	Description	Part Number	Qty.
1	Motor, 12 VDC	30200-0030	1
2	Counterweight Assembly	41425-0000	1
3	Screw, self-tapping	#6-20x5/8	4
4	Piston Assembly	17319-0000	1
5	Air Filter	17318-0000	1
6	Vibration Dampener Kit	37180-0000	1
7	Block	17505-0000	1
8	Cylinder Head	17506-0000	1
9	Check Valve Service Kit	44490-0000	1
10	Pressure Switch Kit	37121-001G *	1
11	Sleeve Gasket	17503-0000	1
12	Sleeve	91304-0140	1

*Pressure switch 44814-0000 may also be used.

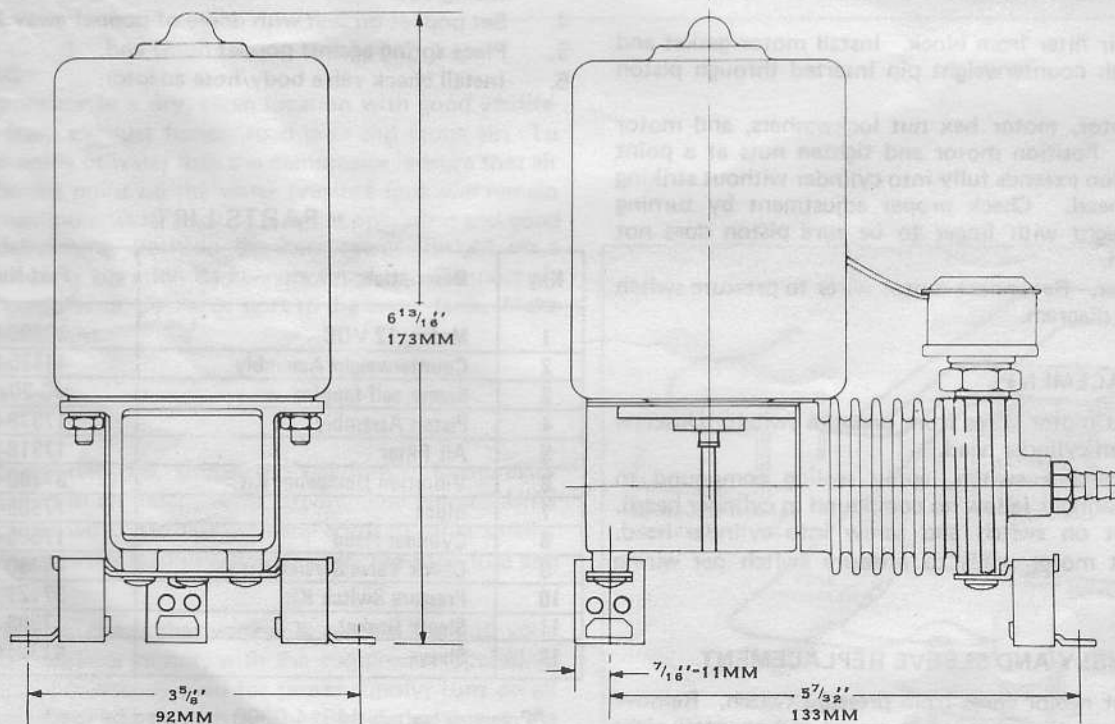
TROUBLE SHOOTING

PROBLEM

CAUSE

- | | |
|--|---|
| 1. Compressor continues to run but fails to build up pressure. | <ul style="list-style-type: none"> -Air leak in piping. -Dirty air filter. -Low voltage to compressor motor, check wiring and battery charge. -Worn piston seal. -Leaking discharge valve. |
| 2. Compressor fails to restart. | <ul style="list-style-type: none"> -Power off -Blown fuse. -Pressure switch defective -Clogged air line between compressor and tank. |
| 3. Repeated fuse blowing. | <ul style="list-style-type: none"> -Low voltage to compressor motor. Check wiring, connectors and battery charge. -Piston is out of adjustment. Check free running of piston. |
| 4. Pressure builds up, but compressor fails to shut off automatically. | <ul style="list-style-type: none"> -Pressure switch failure. |
| 5. Compressor comes on periodically although no water is used up. | <ul style="list-style-type: none"> -Leak in air lines. -Leak in discharge check valve of compressor. |

DIMENSIONAL DRAWING



JABSCO PRODUCTS **ITT**

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