

Installation Instructions for SHERMAN TANK AIR COMPRESSOR™ Model 830

Your purchase of a SHERMAN TANK COMPRESSOR air tank is a perfect choice to power your high-pressure air horns, tools and accessories. The Wolo name, with more than fifty years of experience, is your guarantee of a superior horn product.

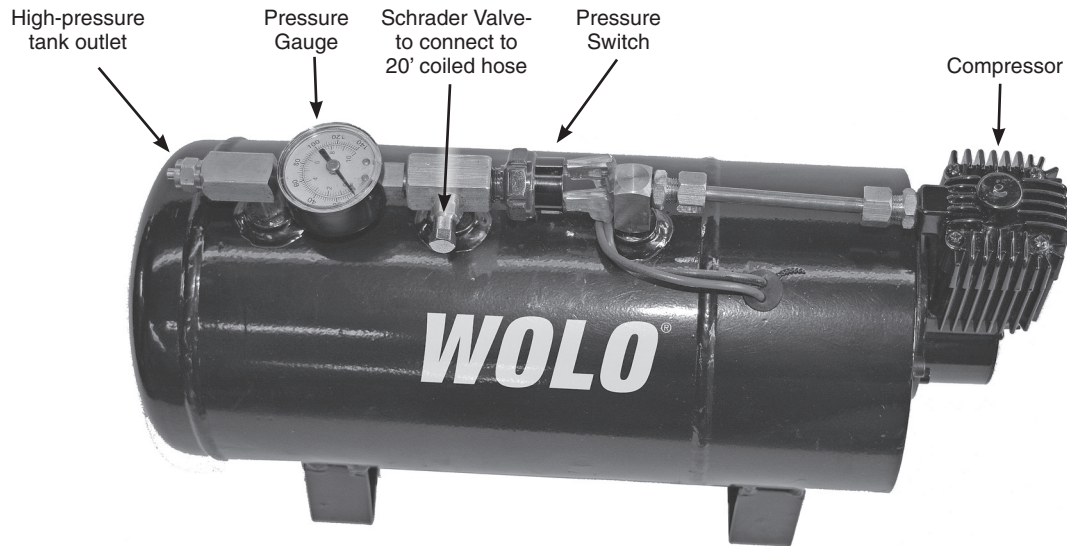
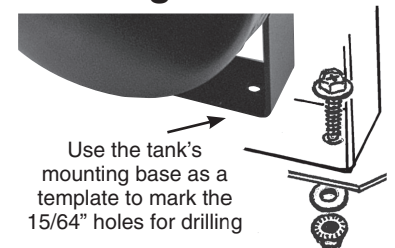


Fig. 1

TANK INSTALLATION Fig. 1

1. Use the tank's mounting bracket as a template; mark the hole locations and drill to size 15/64". Secure tank with hardware provided. Fig. 1.



HOSE INSTALLATION Fig. 2 & 3

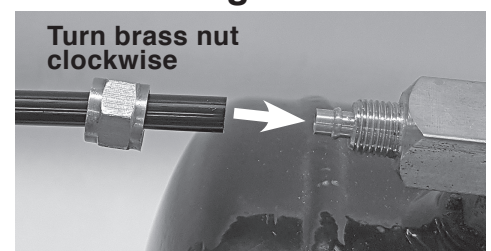
2. Using the high-pressure plastic hose provided, cut to size to be able to connect the tank to inlet fitting of the accessory or valve requiring high-pressure air. Place the brass nut from the tank's outlet fitting onto the high-pressure plastic hose. Push the plastic hose fully onto the outlet fitting; tighten the brass nut onto the outlet fitting. **CAUTION:** Do not over tighten the brass nut.
3. The other end of the plastic hose is connected to the accessory or valve requiring high-pressure air.

Use the tank's mounting base as a template to mark the 15/64" holes for drilling

Fig. 2

WIRING COMPRESSOR Fig. 4

4. The compressor's red wire is connected to a (+) 12-volt power source, using the fuse provided. **IMPORTANT!** The fuse must be connected directly to the power source. **IMPORTANT!** The red fused wire must be connected to a (+) 12-volt power source controlled by the vehicle's ignition switch. This will protect your compressor from running continuously and being damaged if an air leak develops when the vehicle is not in operation. Suggested connection points are: blower motor, windshield wiper motor or the accessory terminal on the fuse panel. Make sure the connection point has a wire that is as heavy as the compressor's wires and the connection point is capable of handling 20-amps. **CAUTION:** remove the fuse from the fuse holder until installation is complete.
5. **OPTIONAL:** A switch can be installed into the compressor's red wire. This will permit the driver to turn-off the system if it is not required. See Fig. 4.



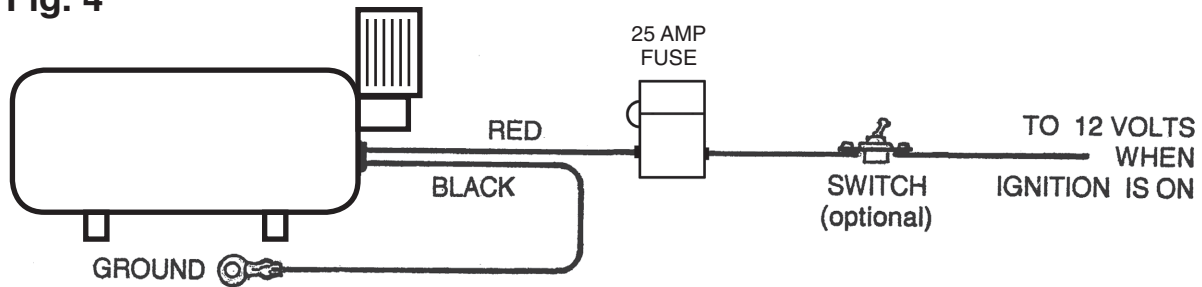
Connecting the high-pressure plastic hose

Fig. 3



High-pressure plastic hose connected

Fig. 4



- The black wire is connected to ground; secure the black wire's looped terminal to either the vehicle's (-) battery post or under any metal body bolt. Make sure that the ground connection is free of rust, paint and corrosion.
NOTE: The compressor is now ready to be used. Install the fuse back into the fuse holder and the compressor will automatically turn on.

When the pressure drops below 80 PSI in the tank, the pressure switch will automatically turn on the compressor. When the tank pressure is approximately 110 PSI the compressor will automatically turn off. If the compressor does not shut off after 4 minutes of running time, check all air hose connections for leaks. Use soapy water or bubble solution on each fitting, while the compressor is pumping. Use a thread sealant if leak persists after tightening.

COMPRESSOR SPECIFICATIONS

12-Volt heavy-duty compressor
Current: 10.5 amps at peak
CFM: 1.03
Duty cycle: 10% @ 100 psi
In-line fuse holder with 20-amp fuse provided
Permanent magnetic motor that is gearless with thermo protection
Oil-less maintenance free design
High performance piston ring
Moisture & dust resistant
Painted aluminum alloy cylinder
Metal mesh air filter

TANK SPECIFICATIONS

1-Gallon
Welded steel mounting brackets
Pressure switch 80 psi. auto-on / 120 psi. auto-off
Pressure gauge
Fitting all brass
Size: L 14-1/4 in. x W 5-1/2 in. x H 8-1/4 in.