

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. If you need help installing this product, our technicians are available to answer your questions, Monday through Friday from 9 AM to 4 PM EST by calling 1-888-550-HORN (4676).

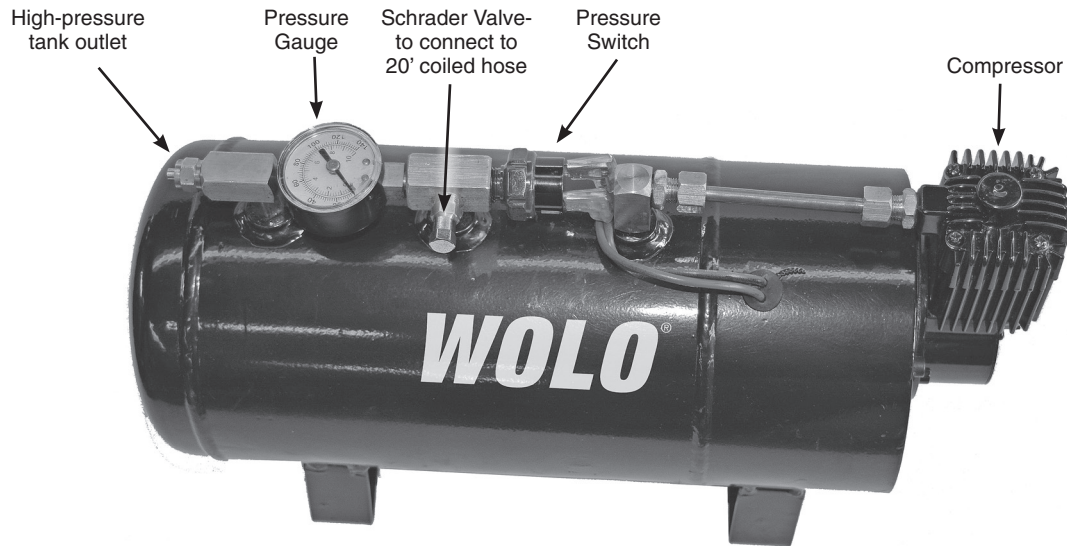


Fig. 1

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.

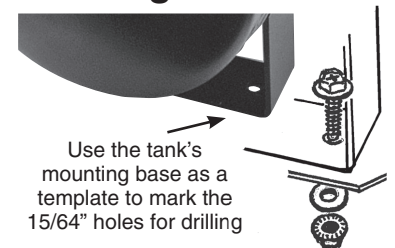
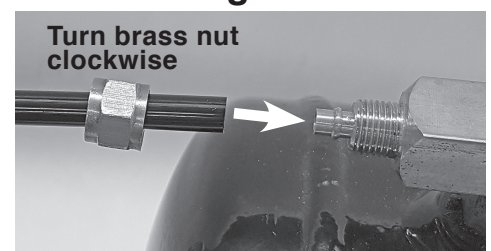


Fig. 2

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.



Connecting the high-pressure plastic hose

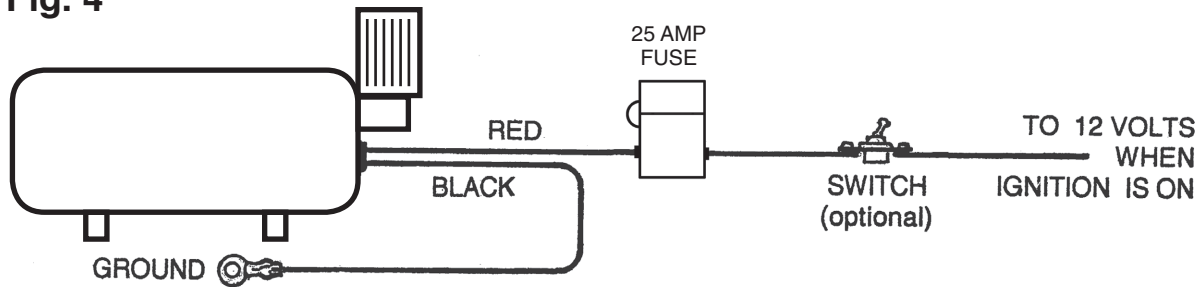
WIRING COMPRESSOR Fig. 4

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.



High-pressure plastic hose connected

Fig. 4



6. 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.

Warranty

Wolo Manufacturing Corporation ("Wolo") warrants to the original purchaser, for three months from the date of purchase, that this product is free from defects in workmanship and materials. If there is such a proven defect, Wolo, at its option, will either repair or replace the item free of charge, if it is returned to Wolo within three months from the date of purchase together with proof of purchase as described below. Wolo reserves the right to inspect any defect prior to settling any warranty claim by repair or replacement. This warranty is limited as above provided and Wolo will not be responsible for fire or other casualty or accident, due to neglect, abuse, abnormal use, modifications, faulty installation of this product, or natural causes.

ANY EXPRESSED WARRANTY NOT PROVIDED HEREIN IS EXCLUDED AND DISCLAIMED. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY LIMITED TO A TERM OF THREE (3) MONTHS. UNDER NO CIRCUMSTANCES SHALL WOLO BE LIABLE TO PURCHASER OR ANY OTHER PERSON FOR ANY SPECIAL OR CONSEQUENTIAL DAMAGES, WHETHER ARISING OUT OF BREACH OF WARRANTY OR OTHERWISE.

To obtain warranty service, return the product prepaid, and include the original bill of sale showing the date of purchase. Provide with the return a brief description of the problem. Also, include with the return a check or money order in the amount of \$20.00 to cover return shipping. Mail to:

Wolo Manufacturing Corp. One Saxwood Street, Deer Park, NY 11729
Attn: Warranty Service E-mail: tech@wolo-mfg.com