

BEFORE BEGINNING YOUR INSTALLATION

Read through the instruction guide before getting started with the installation. Professional installation is recommended for this product.



CONTENTS

- 3 Gallon Air Tank
- 240 PSI Pressure Gauge
- 170-200 PSI Pressure Switch
- 250 PSI Safety Valve
- 1/4" NPT Wing Style Drain Valve
- 1/4" NPT Compression Fitting for 1/4" OD Air Line
- 1/4" NPT Hex Head Male Plug
- 1/2" NPT Hex Head Male Plug
- 1/4" OD Nylon Plastic Hose (6 Feet)
- 12mm Thread Sealant Tape (16 Feet)
- Mounting Hardware

Over pressuring the tank beyond the specified maximum working pressure (200 PSI) may result in death or serious injury.

SAFETY INSTRUCTIONS

- Install all fittings and accessories in the tank before pressurizing the tank.
- Before assembly, use thread sealant on all fitting's threads, then use a wrench to tighten each part. **IMPORTANT:** Do not over tighten.
- Tank must be drain frequently. Failure to remove condensation will cause the tank to rust sooner.
- We recommend always to install a drain and safety valves in the tank.
- Always depressurize the tank before servicing or adding accessories.
- Do not use this tank as a breathing device.
- Be sure to pump nothing other than atmospheric air.
- It is important to determine the maximum air pressure for any tool or attachment before using it.
- Make sure your battery ground is detached before you begin the installation.
- Employ equipment for eye protection during drilling operations.

PLANNING YOUR INSTALLATION

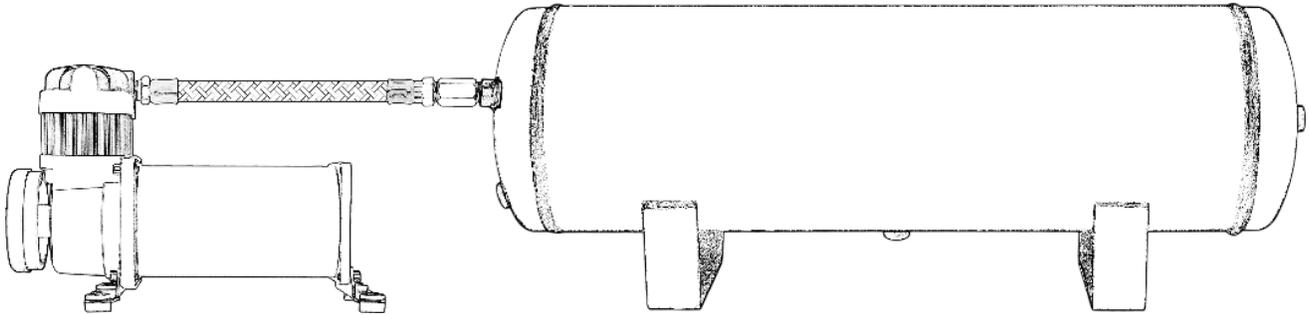
- Before beginning the installation, determine each component's spot.
- Confirm you have the proper length of airline and wire.

MOUNTING

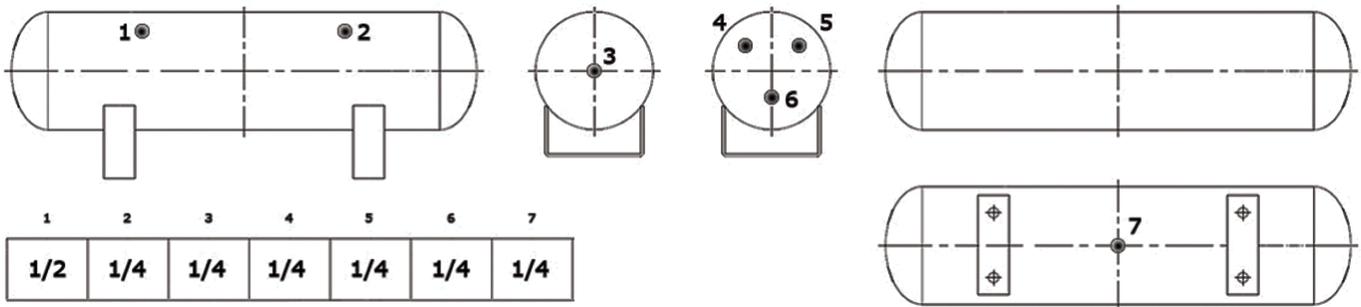
- Find a convenient mounting location in your vehicle for the air tank. Ensure ports are reachable before drilling any holes.
- Mark the location of holes using the mounting bracket of the air tank as a template, and then drill to size.
- Using mounting hardware provided, secure the air tank. **IMPORTANT:** Do not mount on a flexible material.
- The installation location of your tank's accessories depends on your air system's configuration.

BRAIDED HOSE INSTALLATION

- Connect the stainless steel braided hose of your compressor to the tank's inlet port.



PORT LOCATIONS AND THREAD SIZE (NPT)



PRESSURE SWITCH RATING

- The included pressure switch has a rating of 170 PSI ON, 200 PSI OFF. When the air pressure in the air tank is below the preset ON pressure (170 PSI), the compressor will automatically turn on and will start pumping air into the tank. When the pressure reaches the cut OFF pressure (200 PSI), the compressor will be automatically shut off.

AIR PRESSURE GAUGE

- In one of the Air Tank's 1/4" NPT ports, using the thread sealant provided, install the air pressure gauge.
- The side or top of the tank is the best location to use as to prevent condensation from entering into the gauge.
- Dropping or disturbing the product can affect the product's accuracy.
- For best results, the air gauge should be installed perpendicular to the ground, with the zero facing the bottom.
- To tighten the pressure gauge into the air tank, place a wrench over the square wrench flats to turn the gauge. This is the proper way to avoid air leakage or damage.

SAFETY VALVE

- Your system comes with a safety valve designed specifically to release pressure from the air tank automatically if 250 PSI is exceeded. This will help prevent an accident in case of pressure switch failure.

DRAIN VALVE

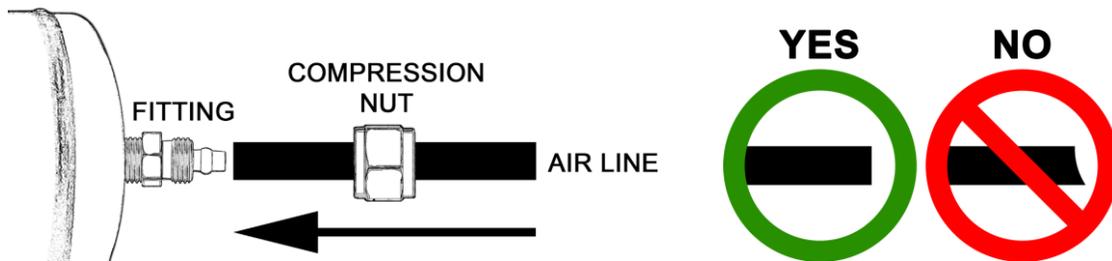
- This valve helps you drain the water that can collect in the air tank after long periods of use.
- REMOVING CONDENSATION:**
- To remove any condensation which has accumulated inside the tank, bleed the tank's pressure until it ranges from approximately 5 PSI to 20 PSI.
- Remove the drain valve found at the tank's bottom to drain the water from the tank. After draining the accumulated condensation, reinstall the drain valve.
- **IMPORTANT:** Draining the system regularly will extend the life of the air tank.

THREAD SEALANT

- Your system includes Premium Thread Sealant, make sure to use it on all thread connections to ensure proper air sealing.

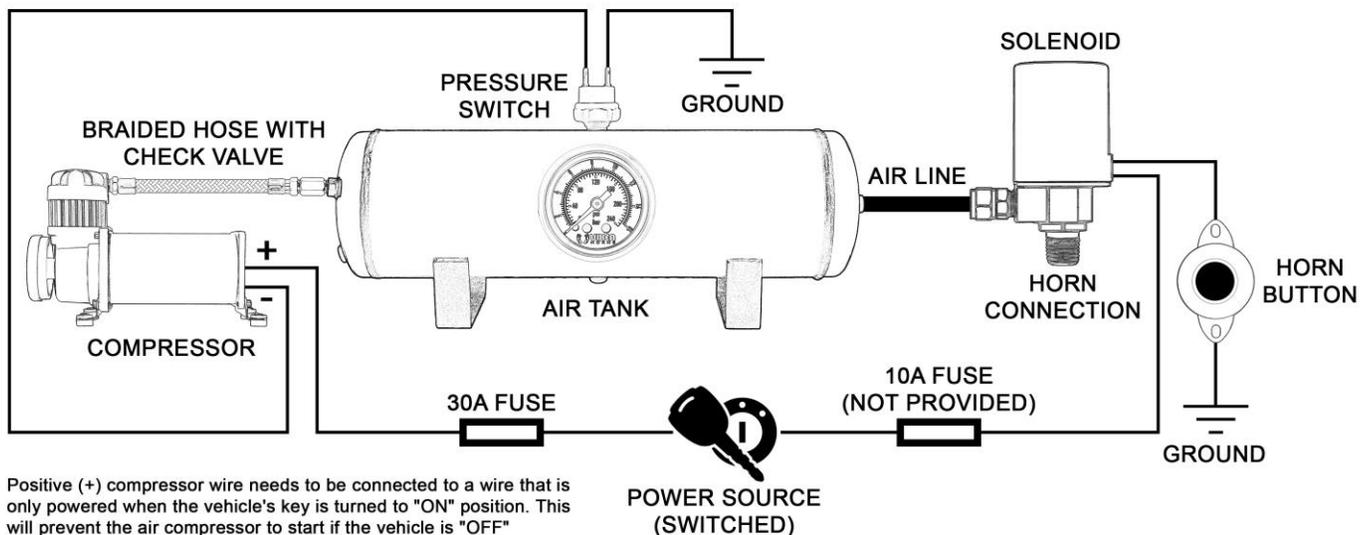
AIR LINE INSTALLATION

- Connect the included air line to your device.
- Place the brass nut on the other end of the air hose. Push the air line onto the male inlet fitting already installed on your tank.
- Thread brass nut onto the inlet fitting and tighten.
- **IMPORTANT:** When cutting or trimming the air line, use a hose cutter, a razor blade, or a sharp knife. A clean, square cut will ensure against leaks. **DO NOT USE WIRE CUTTERS OR SCISSORS TO CUT THE AIR LINE.** These tools may flatten or crimp the air line causing it to leak.



ELECTRICAL CONNECTION

ON-BOARD SYSTEM/TRAIN HORN WIRING DIAGRAM (FOR REFERENCE ONLY)



MAINTENANCE

- Make sure that electrical and fitting connections are regularly inspected, cleaned and tightened when needed.
- Make sure mounting screws are regularly tightened if needed.
- Drain weekly, to avoid excessive buildup of condensation.

SOLUTIONS TO COMMON ISSUES

Issue: Loss of pressure of tank.

Solution 1: Tighten drain cock.

Solution 2: Examine air and check valves and replace if damaged or leaking.

Solution 3: Use soap and water solution on air connections and tank, and tighten connections or repair leaks where needed.

Issue: Air horn is inaudible

Solution 1: Check all switches to make sure they are ON.

Solution 2: Assure air tank is pressurized.

Solution 3: Check the fuse; if blown, disconnect compressor from power and replace the fuse.

Solution 4: Examine electrical connection for damage or corrosion, secure electrical connections.

Issue: Excessive moisture in horn or safety valve (if installed).

Solution 1: Depressurize and drain the tank.

Solution 2: Relocate the compressor to a drier location.