



INSTALLATION INSTRUCTIONS

Air Compressor for DexAir System

Mounting Location

- Mount the compressor in a flat position inside an enclosure or protected area to avoid direct exposure to the elements, water spray or contact with road debris.
- To maximize air compressor performance, locate compressor as close to the battery as possible, keeping positive lead wire length to a minimum.
- Choose a mounting location that is away from heat sources to avoid heat related failures.
- Do not mount compressor near heat sensitive materials such as flammable liquids.
- Select compressor mounting location that allows the remote air filter line to reach the air inlet on the compressor. Ensure that the remote inlet air filter is in a location such that incoming air is as clean and dry as possible, away from the elements.
- The line between the compressor and the tank must be angled at a downward slope to ensure water condensation collects in the tank. Line kinks or upward running lines may cause water to pool and freeze.
- Tank drain must be pointing downward, as it needs drained after each use.
- The 1.5ft leader hose bracket must be properly mounted to secure the hose in place.

Getting Started - Setup and Adjustments

1. After installation is complete, check for leaks using soapy water.

Leaks in the system will cause the compressor to run constantly and cause damage to the system.

2. Dielectric grease is recommended on terminals.
3. Recommended wire type, SXL.
4. Place 12V 30A in-line fuse on wire coming from power source, before the toggle switch and as close to the power source as possible.
5. Use pipe sealant on all fittings and tighten to 10-12 ft-lbs. All connections must be free from leaks for proper performance.
6. Pressure switch comes with attached wires and terminals. Air compressor has attached wires but not terminals. The installer will need to provide additional wires and connections to complete installation.
7. Pressure switch is set to close at 90 P.S.I. and open at 120 P.S.I. (close - turn on, open - turn off).
8. Air filter is part of air compressor assembly filter element must be changed a minimum of once per year under normal conditions. More frequent changes are necessary when operated in a dusty environment.
9. Mount the pressure check valve with arrows pointing away from air compressor leader hose.
10. A 10 GA Stranded copper automotive cable minimum is required, use table to find the recommended gauge for the length of wire. In order to avoid voltage drop and power loss it is recommended using: 2% VD column. (VD - voltage drop)
11. Wire gauge table is calculated for supplied compressor use only. Use the chart on page 2 to calculate correct gauge wire.

Please see page 2 for installation drawing and part breakdown.

