



# LOCKER DUTY COMPRESSOR

## INSTALLATION NOTES

Please read and follow the installation instructions carefully to avoid injury or damage to the compressor or your vehicle.

The selection of proper mounting location for your air compressor will help ensure a long and trouble free compressor service life. Please pay close attention to the following guidelines:

1. Select a FLAT, UPRIGHT AND SECURE location where the compressor can be mounted.
2. To maximize air compressor performance, locate compressor as close to the battery as possible so that length of positive lead wire required is at a minimum. Use a minimum 16 AWG positive lead wire for remote installation.
3. Choose mounting location that is as cool as possible and AWAY FROM HEAT SOURCES. The cooler the ambient temperature the less chance the compressor will overheat.
4. This compressor is moisture & splash resistant, but NOT WATER PROOF. Do not mount compressor in locations where the unit is likely to come in contact with water.
5. If necessary, remotely mount the Inlet Air Filter in a dry place and routed an airline from the compressor to the remotely mounted inlet air filter. ***It is important to keep inlet air dry.***

## CAUTIONS

Use this compressor with 12-volt DC systems only.

This compressor is designed to operate selectable air lockers. Lockers use very little air volume. Be careful to not exceed duty cycle if used for anything other purpose other than air lockers.

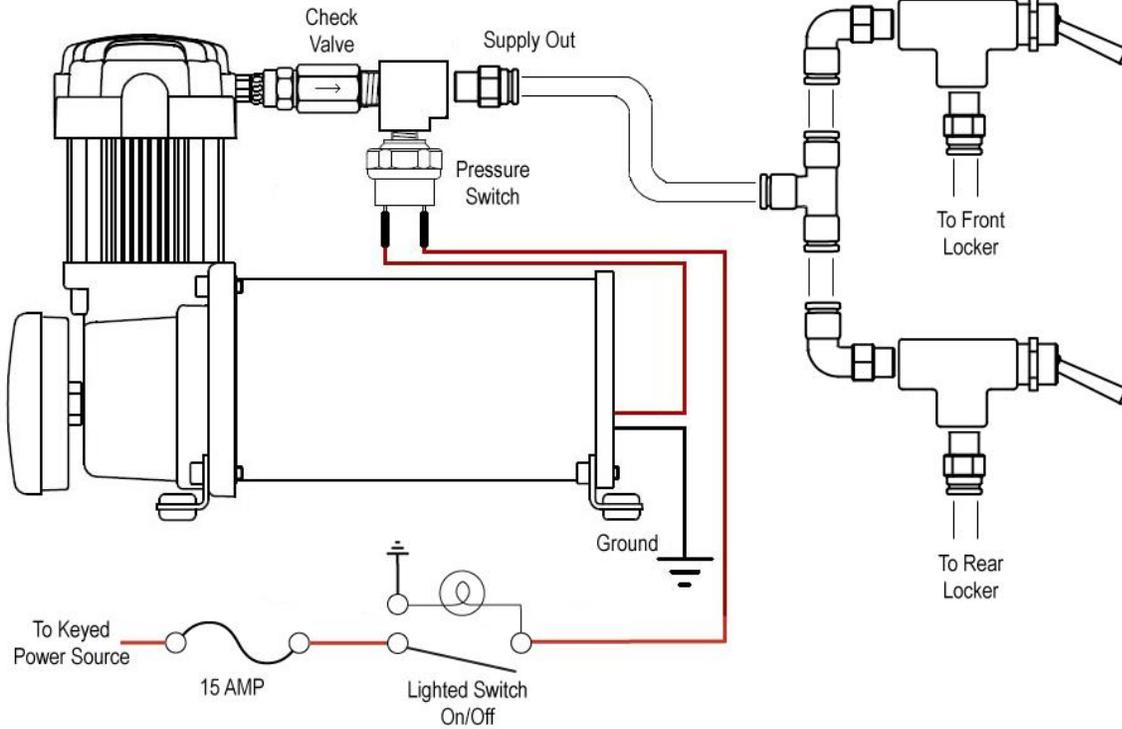
Compressor can become very hot during and immediately after use.

Keep intake air away from water.

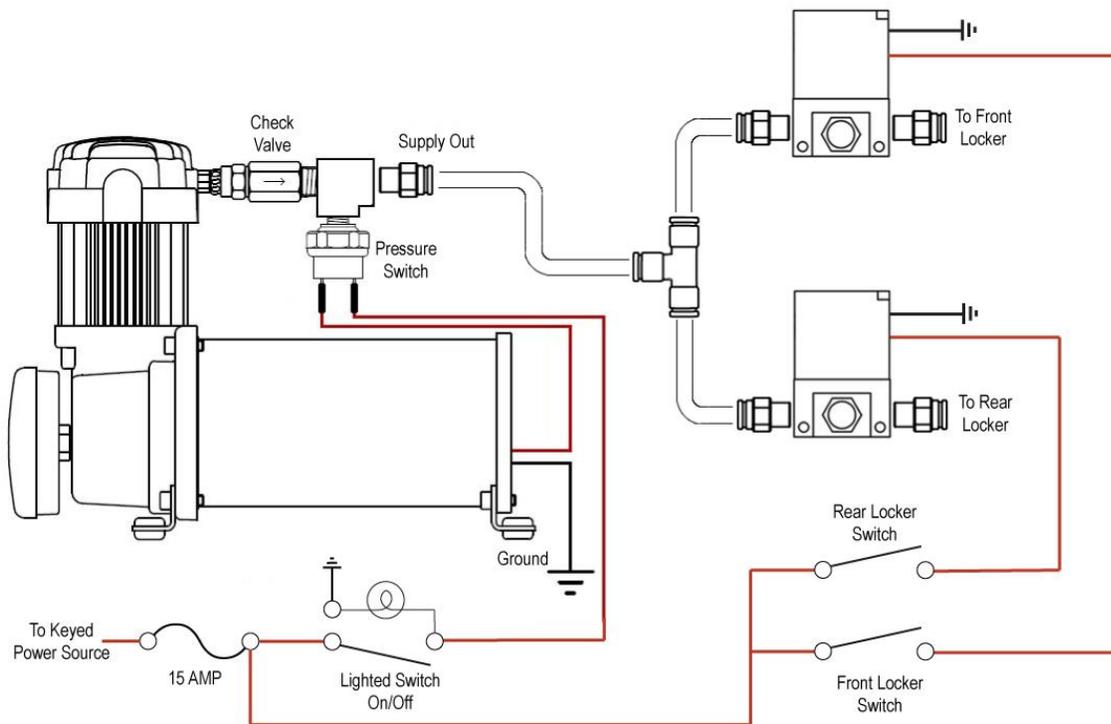
## MOUNTING AND WIRING

1. Disconnect ground cable from vehicle's battery.
2. Temporarily position the air compressor in the location where it will be mounted.
3. Route ground wire to an appropriate grounding point and secure.
4. Mount air compressor with the set of hardware provided. Use of thread sealant recommended.
5. **IMPORTANT:** Please note, your compressor has a check valve. **DO NOT** remove check valve from the unit.
6. Make sure that your compressor setup is properly fused, a fuse lead is provided if needed. Always locate fuse as close as possible to power source.
7. Wire up and connect compressor to locker/s per Diagrams 1 or 2 depending on your switch option. *(For best performance keep airline from switch/solenoid to locker as short as possible leaving room for suspension travel).*
8. Before connecting to power source, re-check to make sure that all connections are properly and securely connected.
9. Test compressor system by running the compressor for a short time to build up pressure.
10. Once air pressure reaches the preset cut out pressure of the pressure switch, the compressor will shut off. Inspect all air line connections for leaks with soap and water solution. If a leak is detected, the air line may not be cut squarely or pushed all the way in. Tighten connections if needed.
11. With pressure built up and lockers engaged or disengaged there should be no air used and air compressor should not cycle on and off, if it does, there is a leak somewhere.

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**DIAGRAM 1** (Air Switch)



**DIAGRAM 2** (Air Solenoid)

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## OPERATING INSTRUCTIONS

1. Always observe the MAXIMUM DUTY CYCLE of the air compressor.
2. To prevent discharge of your vehicle's battery, and enhance performance, keep the vehicle's engine running while using the compressor.
3. Only operate compressor in well ventilated areas.

## MAINTENANCE & REPAIRS

1. Periodically check all electrical and fitting connections. Clean and tighten as needed.
2. Periodically check all mounting screws. Tighten as needed.
3. Replace air filter element periodically. Replacement frequency depends on operating frequency and operating environment.
4. Regularly clean dust and dirt from compressor cooling fins and motor housing.
5. Your air compressor is equipped with permanently lubricated, maintenance-free motor. Never try to lubricate compressor.
6. Periodically purge air system of any moisture by disconnecting the air line at the furthest connection/s away from compressor and running compressor for 60 to 90 seconds, then reconnect.
7. The compressor is equipped with a thermal overload protector to keep the motor from overheating to the point of permanent damage. Allow the compressor to cool for 30-45 minutes before you attempt to turn the unit on again.

## SPECIFICATIONS

<i>Part No.</i>	<i>OXA1003</i>
<i>Motor Voltage:</i>	<i>12 Volts</i>
<i>Max. Current Consumption:</i>	<i>10 Amps</i>
<i>Motor Type:</i>	<i>Permanent Magnetic</i>
<i>Max. Working Pressure:</i>	<i>120 PSI</i>
<i>Pressure Switch Setting</i>	<i>85/105PSI on/off</i>
<i>Max. Duty Cycle:</i>	<i>9%</i>
<i>Max. Ambient Temperature:</i>	<i>158°F</i>
<i>Min. Ambient Temperature:</i>	<i>-40°F</i>
<i>Dimensions:</i>	<i>7.6"L x 2.1"W x 4.5H"</i>
<i>Net Weight:</i>	<i>2.4 Lbs</i>