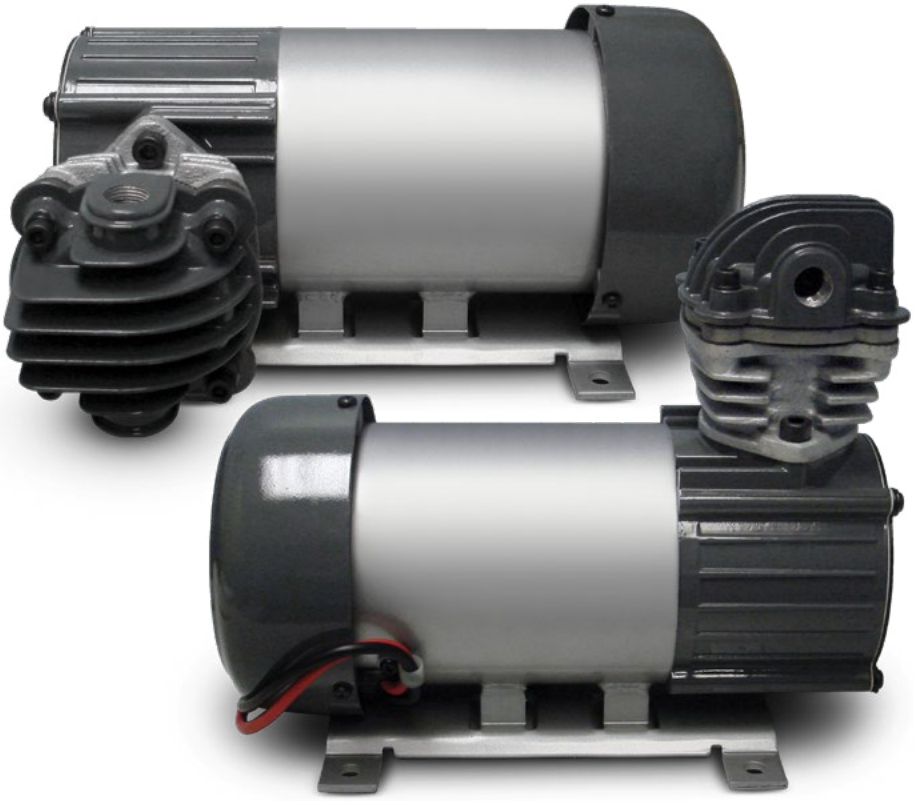
Installation Manual



625 SERIES
AIR COMPRESSOR KIT

10631 12VDC *Horizontal Pump Head Configuration*
10632 12VDC *Vertical Pump Head Configuration*
10633 24VDC *Vertical Pump Head Configuration*

L6210_REV2_11.09.2020

Thank you and congratulations on the purchase of a basic 625 Series air compressor kit.

BEFORE STARTING THE INSTALLATION:

1. Read through this manual and ensure you can complete the installation once started. If you have questions, please call our customer service technicians 800.663.0096.
2. It is recommended to use a good quality anti-seize on all fasteners. This will reduce the chance of corrosion on the fasteners and will help facilitate removal, if required at a later date.

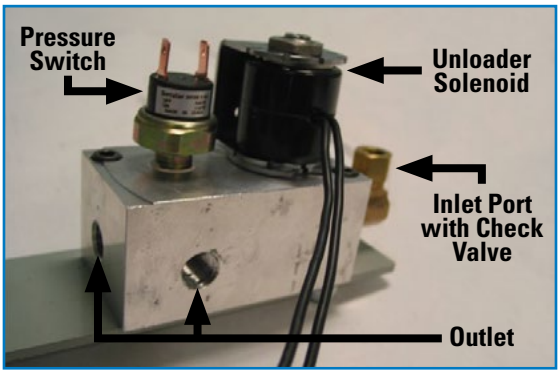
PLEASE NOTE:
This kit contains push-to-connect fittings*, using scissors or wire cutters to cut the nylon airline will distort the line and cause the connection to leak. THE AIRLINE MUST BE CUT OFF SQUARELY WITH THE NYLON HOSE CUTTER PROVIDED IN THIS KIT OR A SHARP UTILITY KNIFE.*

PLUMBING THE AIR COMPRESSOR

1 Once the air compressor mounting location has been chosen and the mounting holes are drilled, the manifold can be installed.

The air manifold assembly is mounted to the top of the two mounting feet on the discharge side for vertical head and the opposite side of the head for horizontal head models.

The air manifold provided contains a pressure switch, unloader valve, one way check valve, one air inlet port and two air outlet ports.



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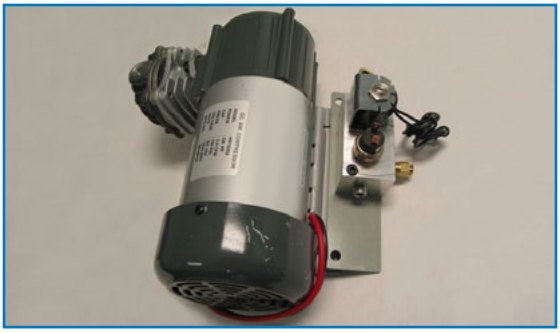
2 It is easier to install the two air outlet port fittings before mounting the manifold to the compressor.

One outlet port is the air supply to the tank and the other port can be used to supply air to an accessory, like a gauge, or be plugged off for future use (a ¼" NPT plug is provided).

Use thread sealant or Teflon tape on all fittings installed to prevent air leaks.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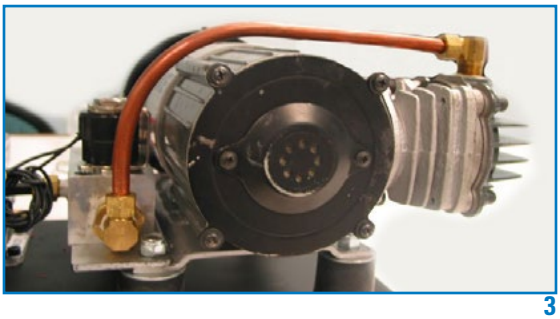
3 Using the fittings provided, connect the copper discharge line from the compressor head to the manifold inlet port. The length of copper line is designed for the horizontal compressor head.

Vertical head installations will require this line to be cut before the bend with a tubing cutter.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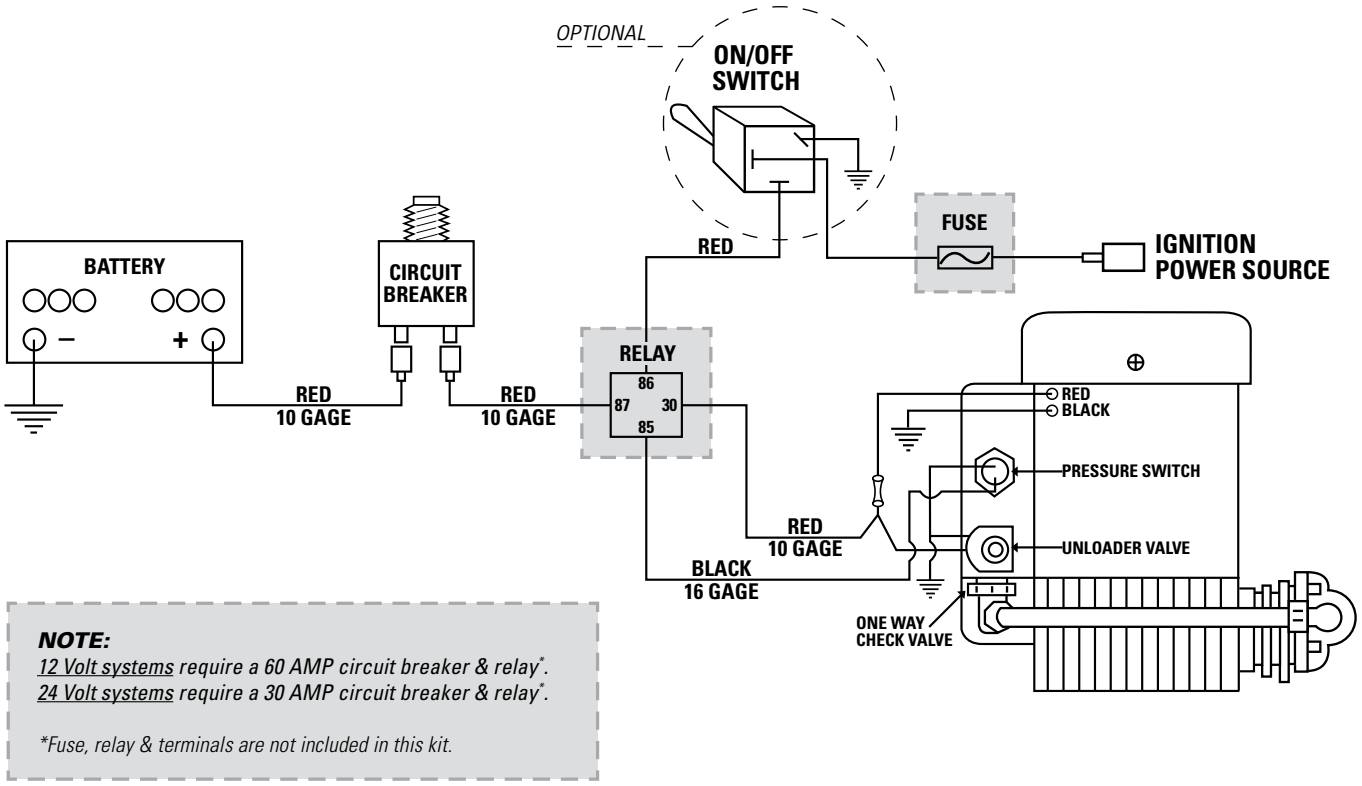

NOTE:
12 Volt systems require a 60 AMP circuit breaker & relay.*
24 Volt systems require a 30 AMP circuit breaker & relay.*

**Fuse, relay & terminals are not included in this kit.*

TESTING THE SYSTEM

To ensure correct air compressor operation, a long trouble free life and customer satisfaction, it is recommended the "cut in" and "cut out" pressures be verified.

If a permanent air pressure gauge is not being installed, temporarily install one into the air tank or manifold's outlet port to verify the system operating pressure is with specifications.

Ensure the air compressor ON/OFF switch is OFF, then rotate the vehicles ignition switch to ON. (It is advisable to have the vehicle running while performing this test if multiple cycles of the compressor is performed). Turn the compressor ON/OFF switch to ON, the light in the end of the compressor ON/OFF switch should illuminate and the compressor should start to pump air. Watch the air pressure gauge as the compressor must turn off before 145 PSI is achieved. Then activate the accessory to reduce the air system pressure until the air compressor "cuts in" this should be no less the 95 PSI. The air compressor "cut in" and "cut out" pressures are a function of the pressure switch, if the "cut in" and "cut out" pressures are not suitable for the accessory being operated a different pressure switch is required. At this point it is advisable to soap test all the fittings for air leaks, correct all air leaks as they will cause the compressor to cycle more often . If the compressor does not perform as above, check all the wiring connections, power sources, fuse, circuit breaker and grounds to ensure good connections have been made.

For further assistance please call Customer Service at 800.663.0096.