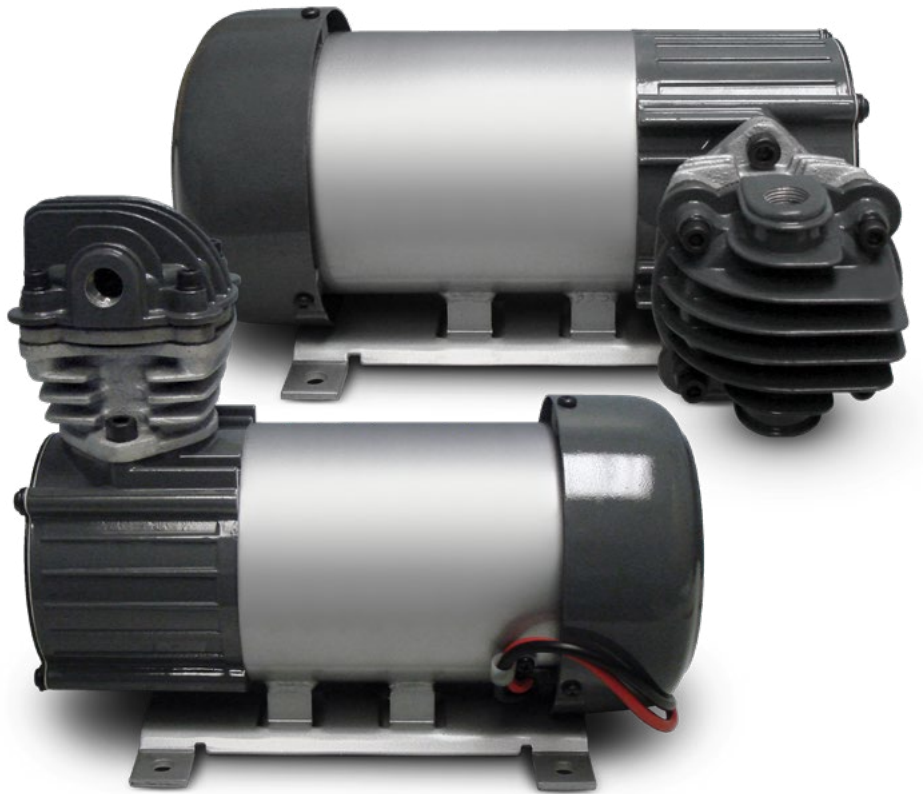


Installation Manual



625 SERIES

AIR COMPRESSOR KIT

- 10625V** (Vertical head configuration, 12VDC)
- 10625H** (Horizontal head configuration, 12VDC)
- 10625V-24** (Vertical head configuration, 24VDC)

Provided in this kit is an oil-less, 12VDC or 24VDC 625 Series Air Compressor. This base kit is designed for the "Do It Yourselfer" who wants a performance air compressor to build a personalized air system for their vehicle.

Pressure switches, air tanks, solenoid valves, relays, manifolds, airline and fittings can provide to help complete your air system. Call our Customer Service Technicians at 800.663.0096 for assistance.

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BEFORE STARTING THE INSTALLATION:

IMPORTANT

The 625 series compressor requires the use of a unloader assembly, for use with an air tank. The part number for the unloader is HP10116 for 12 Volt compressors and HP10116-24 for 24 Volt compressors.

These kits include:

- HI TEMP DISCHARGE LINE to dissipate the heat created by compressing air. Copper tube works best.
- 12 GAGE POWER SUPPLY WIRE if compressor is located within 10 ft of the positive battery terminal.
- 8 GAGE POWER SUPPLY WIRE if the compressor is mounted 10 to 20 ft from the positive battery terminal.

PLEASE NOTE:

It is recommended to have the compressor located as close to the supply as possible. Do not exceed 20 ft.

- UNLOADER VALVE to exhaust the air within the discharge line for easier compressor start-up.
 - CIRCUIT BREAKER to protect the electrical circuit at the positive battery terminal connection.
 - PRESSURE SWITCH controls min and max pressure of the air tank,110 psi ON 135 psi OFF.
 - ONE WAY CHECK VALVE to prevent air from bleeding back through the compressor head.
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AIR COMPRESSOR MOUNTING REQUIREMENTS:

- 1 Must be secured to a firm and level surface and can be mounted in any position.
- 2 Must be mounted high enough on the vehicle to avoid being submerged in water.
- 3 Must mount in a dry area, not exposed to rain or wheel spray.
- 4 Do not install under the hood near the engine, insufficient cooling may result.
- 5 Must be in a well ventilated area for cooling. A cooling fan is located in the end cap (see photos); do not obstruct the fans air intake ports.
- 6 The compressor has two ports at the cylinder head. Do not remove the pipe plug installed at our factory; only use the open 3/8" female NPT port for the air discharge line.
- 7 When installing the discharge line, it must slope downwards to the air tank to prevent moisture from collecting in the line. (which could freeze in cold weather rendering the compressor inoperative).

MANDATORY ACCESSORIES (when used with an air tank)

- **HP10116** - HP625 12 Volt Air Compressor Installation Kit, or
- **HP10116-24** - HP625 24 Volt Air Compressor Installation Kit

OPTIONAL ACCESSORIES

- **HP10115** - Remote Air Intake Filter Assembly, for units mounted under the vehicle
- **C11657** - Quick connect and disconnect chuck and 25' curly hose kit, for accessory use
- **Air Tank (requires the use of a unloader assembly)**
 - HP10050** 2½ Gallon or
 - HP10051** 5 Gallon

