

# Replacement Air Compressor part numbers 8310 and 8315 Installation Instructions

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

ROADMASTER, Inc. 6110 NE 127th Ave. Vancouver, WA 98682 800-669-9690 Fax 360-735-9300 www.roadmasterinc.com

## Before you begin the installation...

This kit will replace the air compressor in BrakeMaster 8000, 9000 and 9060 systems.

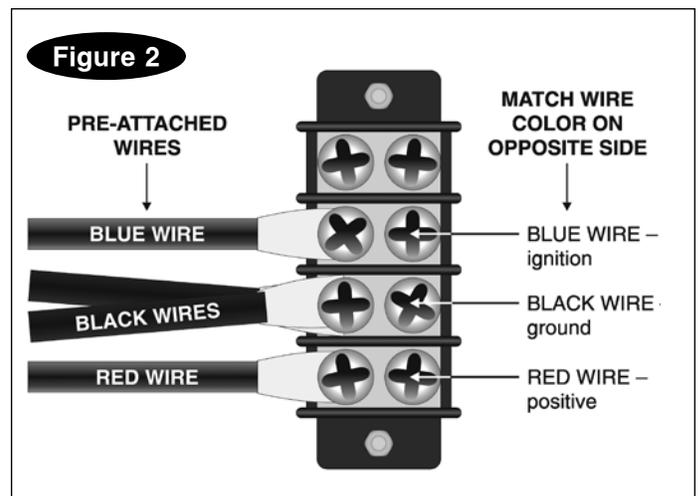
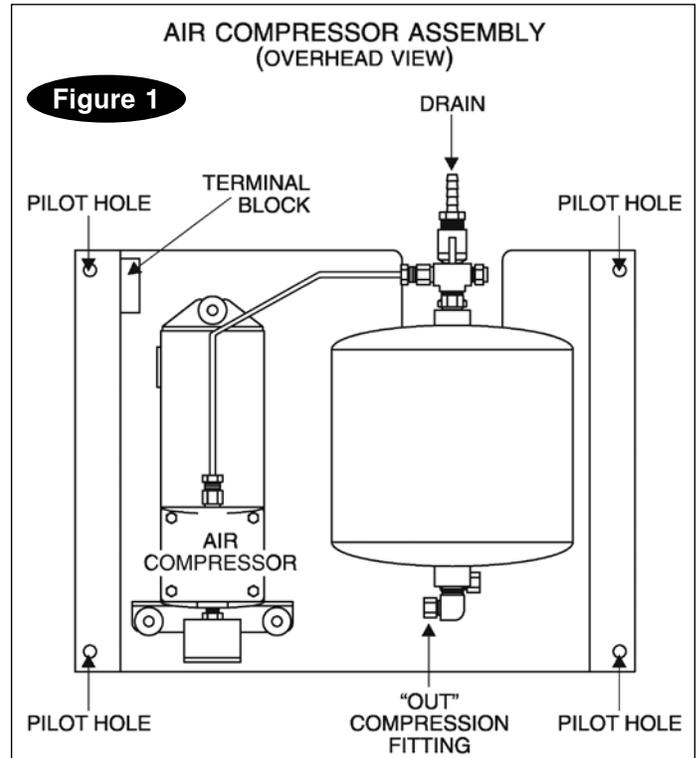
These instructions assume that you will install the replacement compressor in the same location as the original, and also that you have removed the original compressor, and disconnected the wiring and air line, from a previously-installed BrakeMaster.

For complete 9000-series installation and operating instructions visit [www.roadmasterinc.com](http://www.roadmasterinc.com); call 800-669-9690 for 8000-series installation and operating instructions.

### WARNING

These instructions pertain to the installation of the replacement air compressor and associated components only. Instructions for the complete system are available online, or by calling 800-669-9690.

Read all instructions before installing or operating this product. Failure to understand how to install or operate BrakeMaster could result in property damage, personal injury or even death.



## Step One Wire the air compressor

1. Position the air compressor so that the four pre-drilled holes in the housing (one at each corner, Figure 1) are aligned over the four screw holes used to attach the original compressor.

Do not attach the air compressor now – in most cases, it will be considerably easier to connect the wiring and the air lines with the compressor loose.

2. At the air compressor, use one of the small ring terminals to attach the red wire to the terminal block screw opposite the pre-attached red wire (Figure 2).

Next, use another small ring terminal to attach the black wire to the terminal block screw opposite the pre-attached black wires (Figure 2).

Note: due to manufacturing variances, the preattached red and black wires may be mounted to different terminal block screws than those shown in Figure 2. If this is the

case, match color to color – red wire opposite red wire, and black wire opposite black wires.

3. Next, use another small ring terminal to attach the  
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blue wire to the terminal block screw labeled “blue wire” in Figure 2.

*Note: due to manufacturing variances, the preattached blue wire may be mounted to a different terminal block screw than the one shown in Figure 2. If this is the case, match color to color – blue wire opposite blue wire.*

## Step Two

### Attach the air line and compressor

#### CAUTION

Before connecting the air line, make certain that it is clean. If dirt or debris is not removed, air pressure will carry it through the system, which may prevent proper operation of the braking system or damage system components.

1. Connect the air line to the “out” compression fitting on the air compressor (Figure 1). Before doing so, make certain that the brass insert (Figure 3) is still inside the line, and that the ferrule (Figure 3) is positioned  $\frac{1}{4}$ " from the end of the line.

*Note: if the brass inserts are omitted, the fittings will not be airtight.*

Next, push the air line into the compression fitting, as far as it can go. Then push the ferrule into the compression fitting, and tighten the compression nut onto the fitting.

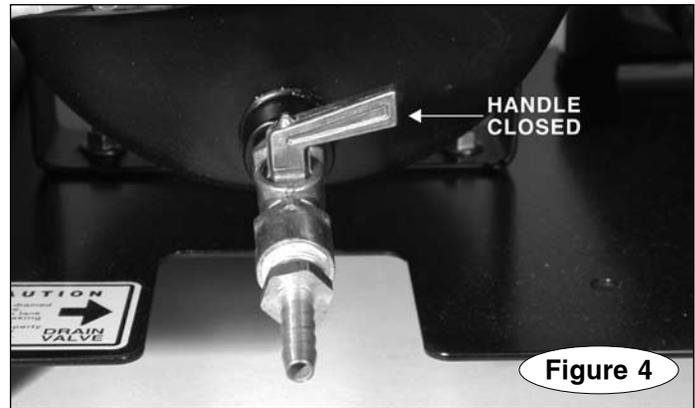
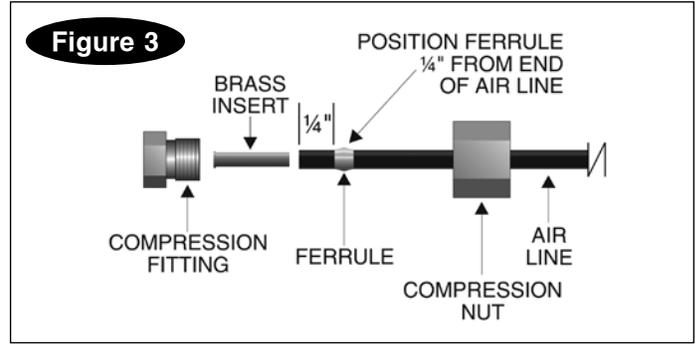
*Note: if the compression nut is overtightened, the fitting will not be airtight. After completing the installation, check the fittings for air leaks (Step Three, below).*

2. With the air line attached, position the air compressor over the four pilot holes, and use the provided screws to secure the compressor in place.

2. Check to make certain that the handle on the air tank drain valve (Figure 4) is closed.

#### CAUTION

The handle on the air tank drain valve should only be opened to drain the air tank. If the handle is open during towing, the air compressor will run constantly, which may damage the compressor.



## Step Three

### Check for proper function

1. Start the motorhome engine and allow the air compressor to run until it shuts off (about 45 seconds). Then, hold the brake pedal down until the air compressor shuts off again.

If the air compressor does not function as described above, check the wiring. Make certain that all connections have been made as described in Step One – “Wire the air compressor.”

2. Check for leaks in the air line – first, cover the fittings at the air compressor with a leak check solution.

#### CAUTION

The air system now contains pressurized air, which may cause severe eye or ear injury if it is inadvertently released. Wear appropriate eye and ear protection before adjusting the air system fittings.

Tighten any fittings, if necessary, and repeat until all connections are airtight.



Towing and Suspension Solutions

ROADMASTER, Inc. • 6110 NE 127th Ave. • Vancouver, WA 98682 • 800-669-9690 • Fax 360-735-9300 • roadmasterinc.com