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# BrakeMaster™ Top 10 Installer Tips

All specifications subject to change without notice

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

1. The port on the proportioning valve (Figure 1) can be rotated up to one full turn counterclockwise for easier connection to the brake line – hold the bottom section of the valve (Figure 1) in place with adjustable pliers. With another pair of pliers, turn the top section (Figure 1) until the port is at the correct position.

Although it has been unthreaded, the top section of the proportioning valve will be held in place by the brake line.

2. When scheduling a BrakeMaster installation, check to see if the customer's vehicle requires a seat adaptor bracket, a brake light switch or any other ancillary products– select "Vehicle-Specific Info" at [www.roadmasterinc.com](http://www.roadmasterinc.com), then "Supplemental Braking Systems." Enter the vehicle make, model and year, then scroll down the page.

3. After the installation, check all the brake line fittings in the motorhome for leaks. (Figure 1 identifies the six points to check near the proportioning valve.)

Wipe away any residual brake fluid. Otherwise, it will drip later on, raising possible customer concerns that the system is leaking.

4. Keep a stock of 1/2" and 3/8" brake line tees in stock for BrakeMaster installations in motorhomes with air or air over hydraulic brakes.

Also keep a stock of metric-to-standard brake line tees (part number 7923, for 10 mm brake lines) for motorhomes with hydraulic brakes and metric brake line fittings.

5. On the initial installation, it may be necessary to adjust the tabs (Figure 2) on the pedal clamp (Figure 2) – use pliers to bend any or all of the tabs so that they hook around and under the towed vehicle's brake pedal.

6. Route the air lines so that they are no closer than two feet from any "hot" components such as the engine or the exhaust system. Otherwise, the heat will soften the plastic, causing the air line to rupture.

Also, use wire ties to secure the air lines away from moving parts and/or sharp edges.

Do not kink the air lines, or bend them to the extent that they crimp or crease – air pressure will be substantially reduced, or blocked entirely, at any kink in the air lines.

7. Many manufacturers have one or more auxiliary wires prestrung from the dash to the rear of the motorhome, which you can use to install the motorhome monitor. Call the manufacturer to locate the auxiliary wires.

8. The quick exhaust valve (Figure 2) on the air cylinder can be rotated for easier connection to the air line. (Rotate the valve so that the air line is not kinked.)

9. Install the mounting post (Figure 2) so that the air cylinder must be pulled back in order to insert the safety pin and hasp (Figure 2). This creates spring tension, which keeps the weight of the cylinder off the brake pedal.

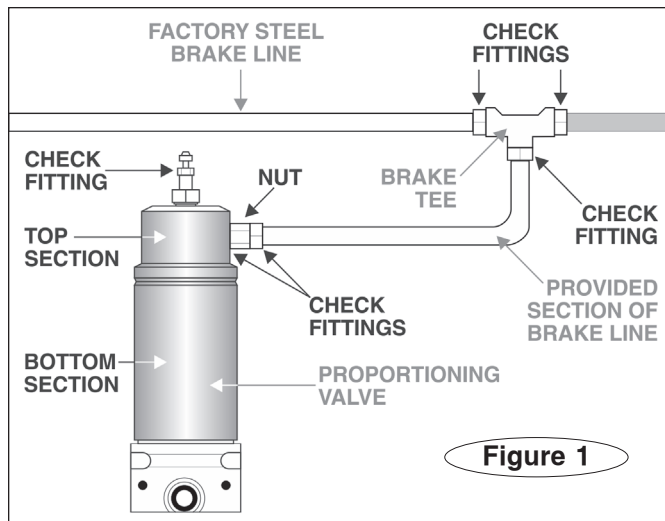


Figure 1

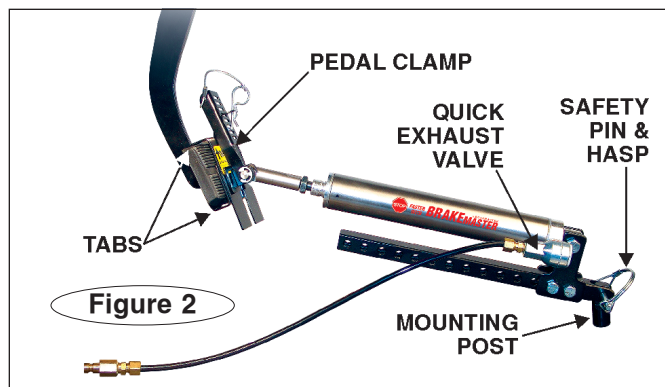


Figure 2

If the cylinder is not pulled back when it is connected, the weight of the cylinder will cause the pedal clamp to depress the towed vehicle's brakes continuously.

10. After the installation is complete...  
• ...check the monitor light for proper operation.  
• ...explain the operation of the BrakeMaster system to the customer, until he/she understands how to operate and maintain it.