



WARNING

Proper operation of your brakes is essential for your safety and the safety of others. Any brake service should be performed ONLY by persons experienced in the installation and proper operation of brake systems. It is the responsibility of the person installing any brake component or kit to determine the suitability of the component or kit for the particular application. After installation and before operating your vehicle, be sure to test the function of the brakes under controlled conditions.

DO NOT DRIVE WITH UNTESTED BRAKES!

FOR TECHNICAL ASSISTANCE CALL:

888-533-1199

MONDAY - FRIDAY

8:00 AM TO 5:00 PM EST

IMPORTANT

Take time to read all the literature that came with this kit. Check the provided list of parts against what you received to ensure all parts are present. While this kit was designed to make the process of changing brake parts as simple as possible. **NOTE: WITH SOME KITS IT MAY BE NECESSARY TO MAKE MINOR CHANGES TO YOUR CAR!**

**READ ALL WARRANTY DISCLAIMERS AND RETURN POLICIES
INCLUDED IN THIS KIT PRIOR TO INSTALLATION!**

MASTER POWER BRAKES

110 CROSSLAKE PARK RD. MOORESVILLE, N.C. 28117

www.mpbrakes.com

BM8743

Booster & Master Parts List



Parts included in the box:

1. (1) Booster and master unit with push rod.
2. (1) Vacuum hose kit
3. (1) Hardware kit. (Includes: (1) "T" fitting, (1) Vacuum block)
4. (1) Set of instructions.

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Installation Instructions

WARNING:

Installation of any component or kit should only be performed by persons experienced in the installation and proper operation of brake systems. It is also the responsibility of the person installing any brake component or kit to determine the suitability of the component or kit for that particular application.

NOTE:

Before operating the vehicle after installation test the function of the brakes under controlled conditions. Make several stops in a safe area from low speed and gradually work up to normal speeds. **DO NOT DRIVE WITH UNTESTED BRAKES!**

Always utilize safety restraints when operating the vehicle.

STEP 1:

1. Check to be sure that your kit has all the necessary parts needed to complete this project! (Use the supplied parts list as a check list.)

STEP 2:

Remove the following components from your car:

Tech tip: Prior to disassembly spray the nuts and bolts that you will be removing with a penetrant. (Also disconnect the battery to eliminate the risk of draining the battery or an electrical short.)

1. Depressurize the power master unit, with the engine off, by stepping on the brake pedal at least 20 times.
2. Now, disconnect the two brake lines and unplug the electrical harness, that go to the vehicle, from the power master cylinder.
3. Next, disconnect the push rod from the brake pedal.
4. Then, remove the four nuts that attach the master to the firewall under the dash in the vehicle.
5. At this time, you can now remove the power master from the vehicle.
6. Now, remove the brake pedal from inside the vehicle.

STEP 3:

Things to prepare before assembly of the new booster & master kit.

1. Drill a 7/16" hole, 1 1/2" lower than the original mounting hole on the pedal. (Measure from the center of the original hole to the center of the new 7/16" hole.)

1. Remove the new master cylinder from the booster assembly.

2. Bench bleed the new master cylinder to remove all the air. If all the air is removed from the master, then it will be difficult to push the piston in.

How to bench bleed:

Remove the master from the booster and place in a vice. (Be sure to clamp onto the mounting ear and not the cylinder.)

Install the proper size plugs in the outlet ports of the master.

Fill the master cylinder to the full line with brake fluid.

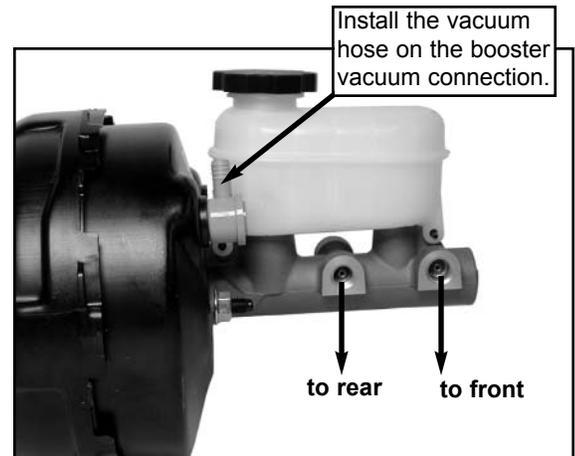
Use a rounded end rod or a phillips head screw driver and push the piston in repeatedly until no bubbles are visible.

NOTE: This may take a minute or two of continuous pumping!

STEP 4:

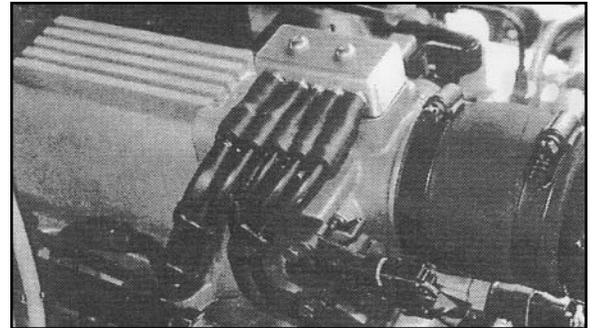
Installation of booster & master components:

1. Reinstall the brake pedal with the new hole drilled below the original one.
2. Now install the new power booster to the firewall in the same location as the power master and attach the booster push rod to the brake pedal in the new location.
3. Mount the master cylinder to the booster. **(Make sure that the master was properly bled.)**
4. Connect the brake lines the same way that the power master was attached. Kit comes with a quad-port master cylinder. Use the plugs supplied to plug the side that you do not use.
5. **See the vacuum hose installation instructions for your model car below!**
8. Reconnect the battery and start the engine. Test the brakes. **(Be sure to bleed the brakes!)** If after bleeding the brakes the pedal goes to the floor or is very spongy then bleed the system once again.
9. Test drive the car in a safe location before driving.



Installation of the Vacuum block & hoses for Turbo Regals:

1. Be sure that engine is off and cooled down.
2. Prior to installation, we recommend that you get all new vacuum hoses. (Will require three different size vacuum hoses. Use the original vacuum block hoses, to measure, for determining the length of the new ones.) **Use only vacuum hose and not gas line hose!**
3. Using needle nose pliers and a razor blade, cut the original hoses off the vacuum block.
4. Once you have removed the old vacuum hoses, remove the original vacuum block. **(Be careful not to destroy the small gasket.)**
5. Now install the new vacuum hoses onto the new vacuum block. Carefully push each hose on as far as they will go so they are in alignment with each other.
6. Make sure the vacuum block gasket is placed on the throttle body and lined up. Then secure the vacuum block to the throttle body.
7. After securing the vacuum block to the throttle body, attach the other end of the vacuum hoses in this order: Push the back two hoses on together and in a straight line. Then take the front three hoses and carefully push them on together and in a straight line.
8. Now run a vacuum hose from the vacuum block to the booster vacuum connection.



Installation of vacuum hoses for 1984 & 1985 Gran Nationals:

1. Insert the provided "T" fitting in the vacuum hose coming from the P.C.V. valve (Positive Crankcase Ventilation Valve).
2. Now run a vacuum hose from the "T" fitting to the booster vacuum connection.