



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

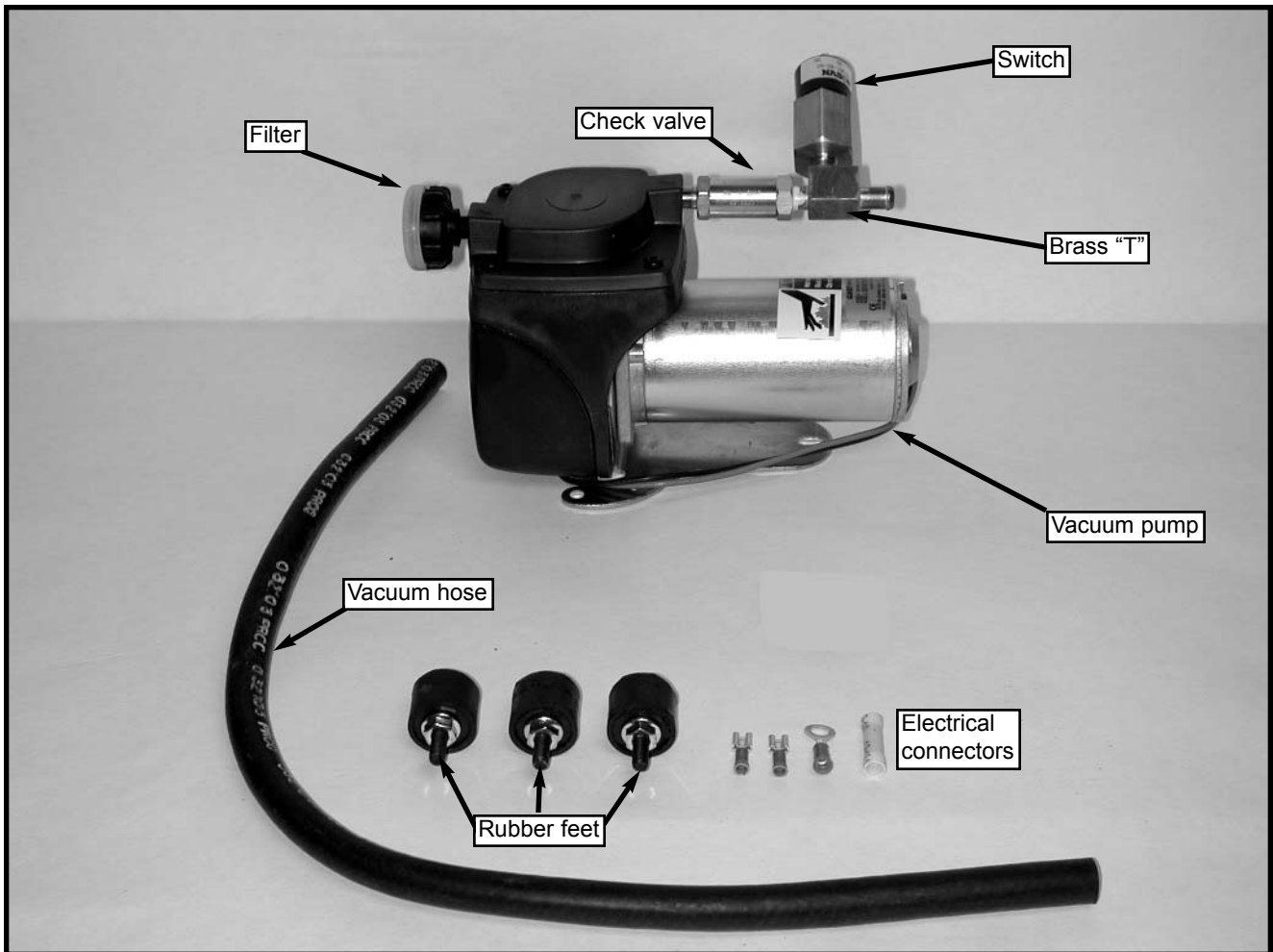
110 CROSSLAKE PARK RD. MOORESVILLE, N.C. 28117

www.mpbrakes.com

AC2724K

Vacuum pump

Parts List



Parts included in the box:

1. (1) Vacuum pump
2. (1) Filter
3. (1) Check valve
4. (1) Brass "T"
5. (1) Switch
6. (1) Vacuum hose
7. (3) Rubber feet
8. (4) Electrical connectors

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INSTALLATION INSTRUCTIONS

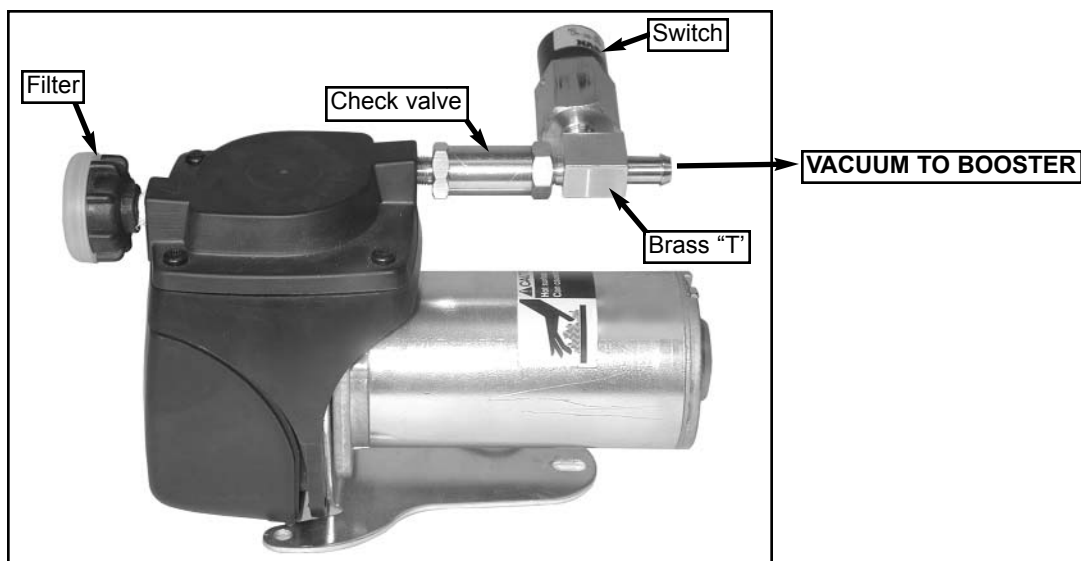
WARNING:

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: 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

INSTALLATION:

NOTE: Customer to supply 14 gauge wire.

1. Disconnect the battery to ensure electrical system is not damaged.
2. Install the brass "t" adaptor, the vacuum switch and the check valve onto the pump as shown in the photo.
3. The check valve (brass) is installed on the motor side. The filter (plastic) is located on the side away from the motor.
4. Mount the pump as close as possible to the booster for best performance. **(Always mount the booster away from direct heat.)**
Run the vacuum from the pump directly to the booster. You can use only the pump as your vacuum source.

Note: The longer the hose from the pump to the booster, the harder the pump has to work!

5. Wire the pump as follows:

1. Black wire from pump to ground.
2. Red wire from pump to either terminal of the vacuum switch.
3. Opposite side of vacuum switch (normally closed) to a 10 amp fused ignition positive source.

IMPORTANT NOTES:

Use thread sealer or teflon tape on all threaded fittings.
The pump is designed to turn on occasionally as the system slowly bleeds vacuum down.

(It is not unusual for the pump to run continuously in high altitudes.)

Please check operation and suitability for pump application before final installaion. Pump may NOT be returned for credit if alterations or cosmetic damages are evident. This includes shortening the length of electrical wires. Pump warranty applies only to the operation of the pump as a supply of vacuum for the power booster.

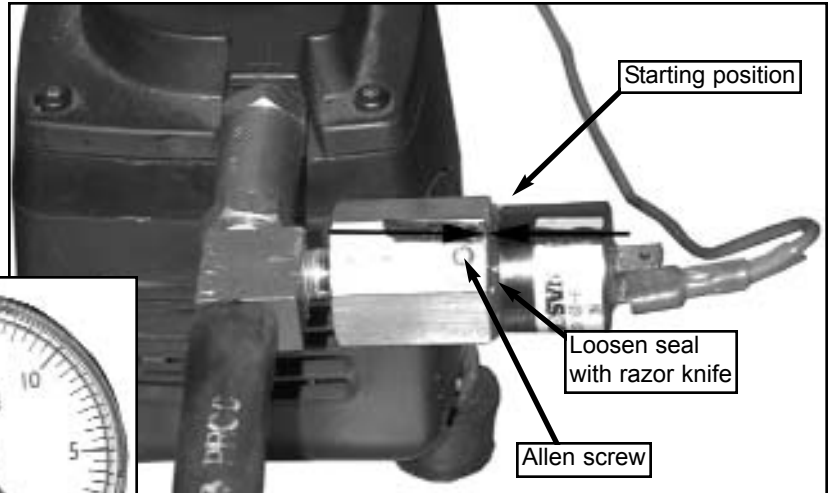
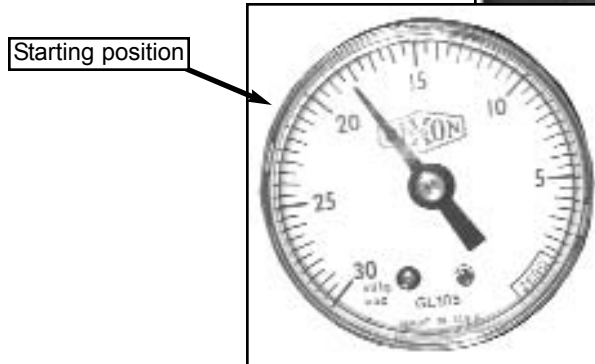
Pump adjustment for high altitudes

Your vacuum pump has been preset at the factory to generate the level and volume of vacuum needed to operate a power booster (18-21 inches). However, if you are located at a high altitude then, as a matter of physics, the pump may not generate enough vacuum. The higher you go in altitude the lower the maximum attainable vacuum is. So, you might find that your pump will not shut off because the cut off point is set higher than the maximum attainable vacuum point. (If this is the case you will need to adjust your vacuum switch to make the pump turn off!) It's a simple matter to adjust this switch but always remember that less is more when it comes to making these adjustments.

INSTRUCTIONS

1. With **NO POWER** to the pump, loosen the small allen screw located on the body of the switch. (About 2 full turns)

2. Take razor knife and run it around the surface where the two sections of the switch come together to loosen the seal.



3. Grasp the upper part of the switch and turn it counter-clockwise about 1/3 inch.

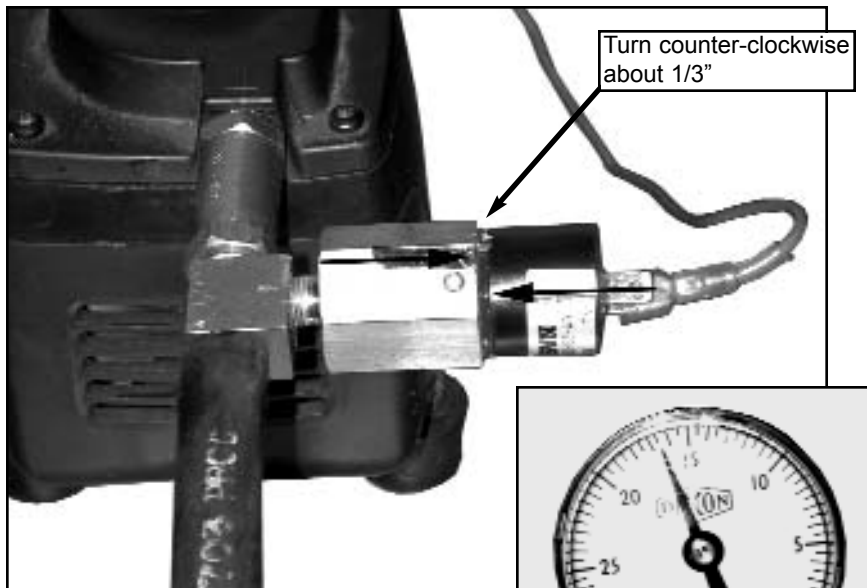
4. With vacuum pump off, pump the pedal several times to release vacuum from the booster.

5. Turn on the pump and let it run to see if the motor turns off.

6. If it turns off, then tighten the allen screw and lay a bead of silicone around the surface of the switch where the two halves are joined to seal it.

7. If it doesn't turn off then repeat steps 3-5 until it does turn off.

8. You should notice that turning the head of the switch counter-clockwise by about 1/3 inch lowers the point at which the pump turns off by about 1 inch / lb.



After turning 1/3" counter-clockwise

