



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

INSTALLATION INSTRUCTIONS

DB1721 SERIES

INCLUDED COMPONENTS

Your power brake conversion kit will contain the following components:

1. Power booster with vacuum hose and intake manifold fitting.
2. Master cylinder
3. Combination valve kit
4. Caliper mounting brackets and hardware
5. Calipers with pads
6. Rotors
7. Bearings, seals and dust caps
8. Caliper hoses

NOTE: The design of your booster will vary depending on your particular application



INSTALLATION

Installation of the disc brake kit will require the use of the following tools:

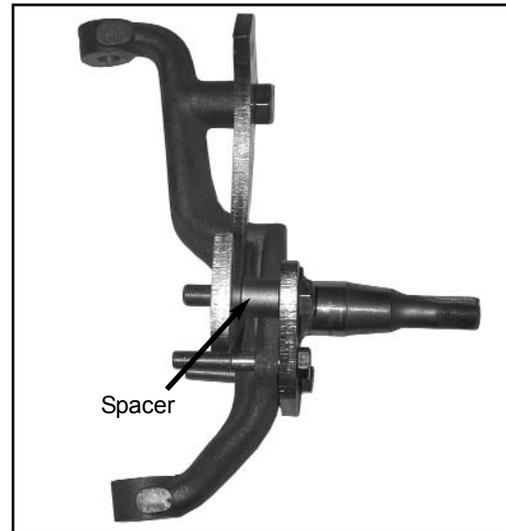
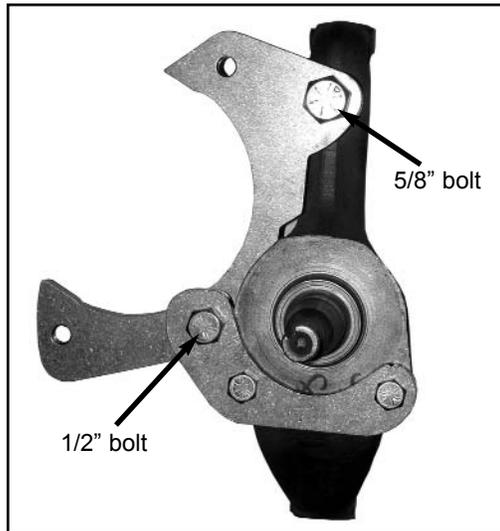
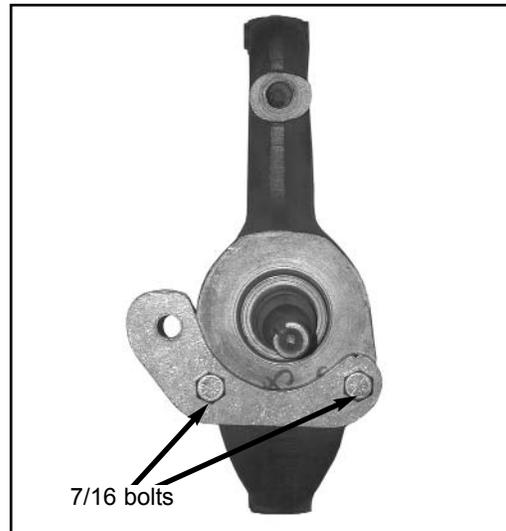
3/8" ratchet drive set
Box end wrench set
Pliers
Line flaring tool

Mallet
Ball joint fork
Screwdriver
Line bending tool

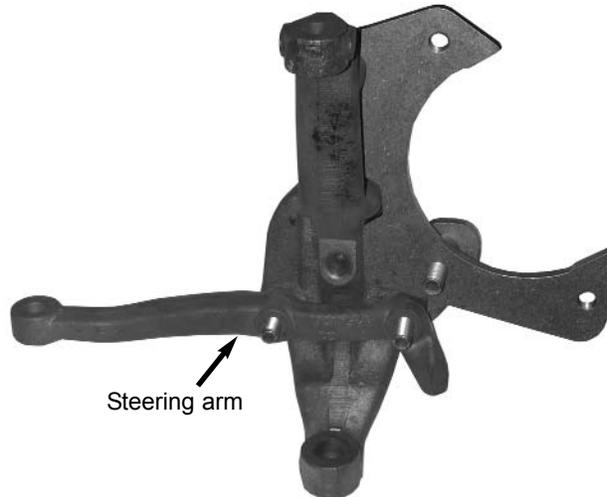
Flare wrench set
Drum brake tool
Snips

Always refer to the vehicle owners manual for the correct torque specifications when installing this kit

1. Remove the stock Chevy front drums, brakes and backing plates. Clean and inspect the spindles for cracks or damage. Be sure to thoroughly clean out the 5/8" threaded hole at the top of the spindle. This is extremely important. Use a non oil based cleaner such as Brake Clean. Clean the threads out with a bottoming tap if necessary.
2. 1959 and 1960 only
In order to install the inner bearing on some spindles, you must remove .0004" from the inner bearing seating diameter. This can be accomplished with 240 grit emery paper and a rotary sanding motion on the spindle. This operation must be continued until the inner bearing can be slid onto the spindle without binding. Do not try grinding or filing the spindle. It only takes a few minutes with emery paper.
3. Take the small support bracket and install it on the outer surface of the spindle in the two lower holes. Install one of the long 2-3/4 x 7/16" bolts through the support bracket, through the rear hole on the spindle and through the stock steering arm. Install the shorter 7/16 bolt in the same manner through the front hole. Install locknuts and tighten.



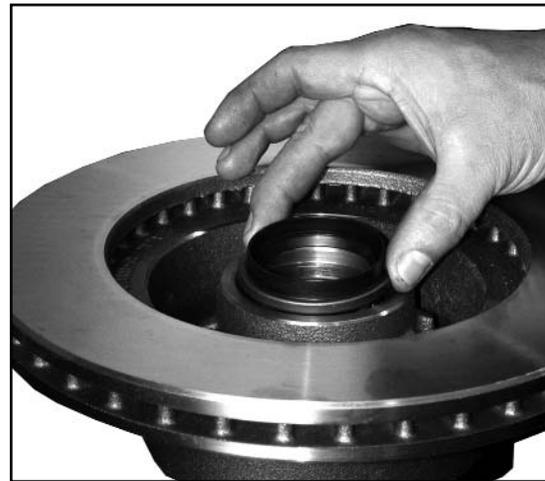
4. Install the larger caliper bracket as above. Install the 1/2 x 2 1/4" bolt through the caliper bracket, spacer and support bracket as shown. Install the 1/2" locknut but do not tighten, just snug it up.



5. Install the 5/8 x 1 1/4" large bolt and lockwasher through the top of the bracket into the spindle. Now tighten all bolts and nuts.

GREASE ALL WHEEL BEARINGS WITH AUTOMOTIVE BEARING GREASE BEFORE INSTALLING

6. Take the rotor and clean it. Install the inner A6 bearing followed by the 7934S seal. Be sure to seat the seal into the rotor.



7. Install the rotor onto the spindle followed by the outer A2 bearing. Install the bearing retaining washer and the supplied wheel bearing nut. Be sure to install the cotter pin.
8. Turn the rotor on the spindle and check for any interference or minimal clearance between the inside surface of the rotor and the outer mounting bracket. Trim the bracket if necessary. Check for adequate clearance on the 1/2" bolts also. Be sure to install the cotter pin onto the spindle nut to secure.
9. Install the loaded caliper onto the spindle using the supplied caliper mounting bolts. **THE CALIPER BLEEDER SCREW MUST FACE UP!**
10. Repeat the procedure for the opposite side.
11. Connect the caliper hoses to the calipers making sure that the brass mounting block of the caliper hose is sandwiched between the two copper crush washers. The order should be caliper, copper washer, brass mounting block, copper washer, hose bolt.

BOOSTER INSTALLATION

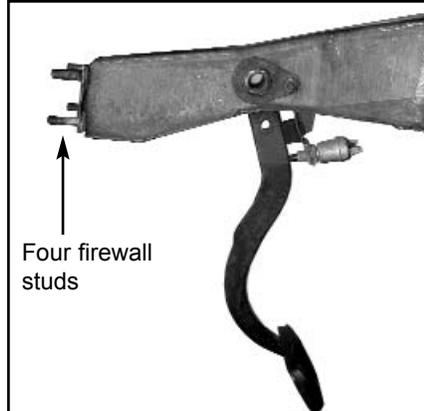
The BM 1721 power booster is designed to bolt to an original manual brake pedal on a 55-64 full size Chevy. The bracket is designed to lift the booster up to clear the valve covers on big blocks as well as original wiper motors.

Your kit should contain the following components:

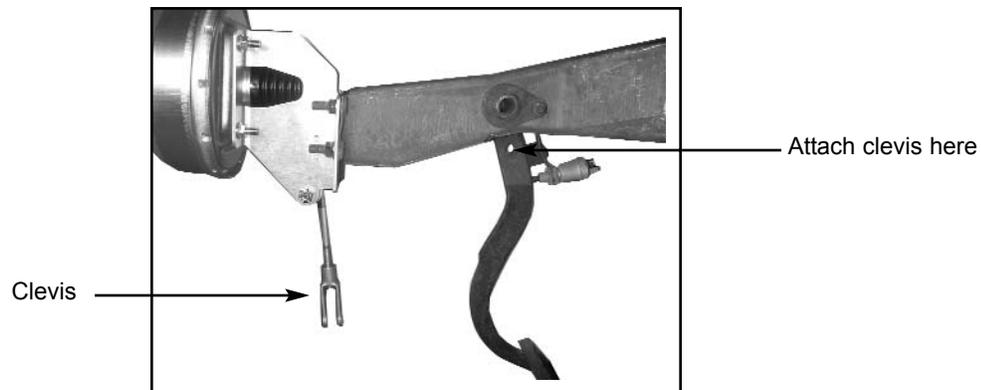
1. Power booster with firewall bracket and linkage to pedal.
2. Clevis and clevis pin to attach to pedal.
3. 18" vacuum hose with intake manifold fitting.
4. Firewall boot.
5. master cylinder bleeder kit.

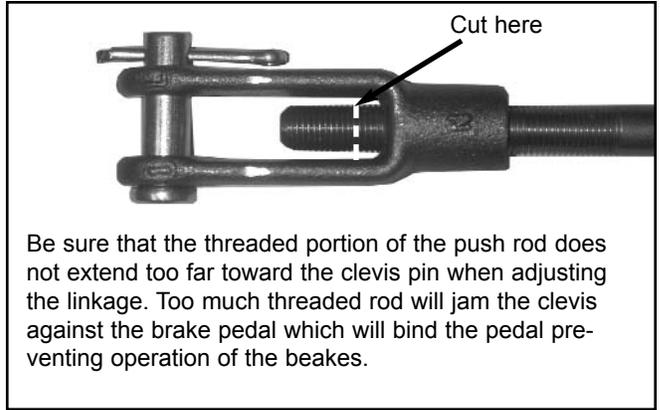
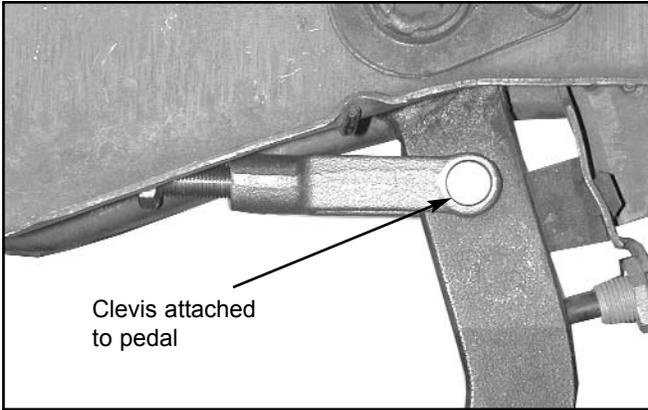


1. Disconnect the push rod from the pedal and remove the original master cylinder from the firewall. This will leave four studs extending off the firewall for the booster to bolt onto.

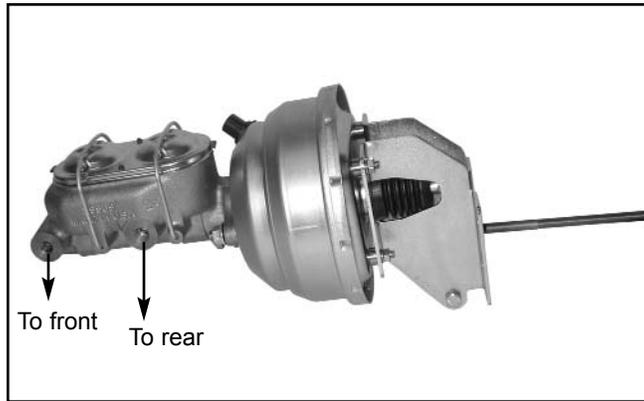


2. Mount the booster to the four studs on the firewall. Attach the new clevis and pin to the original hole in the pedal. Secure with cotter pin. The pedal rod should be adjusted so there is no pre load pressure on the pedal. You should have 1/4 " travel of the pedal before booster activation.

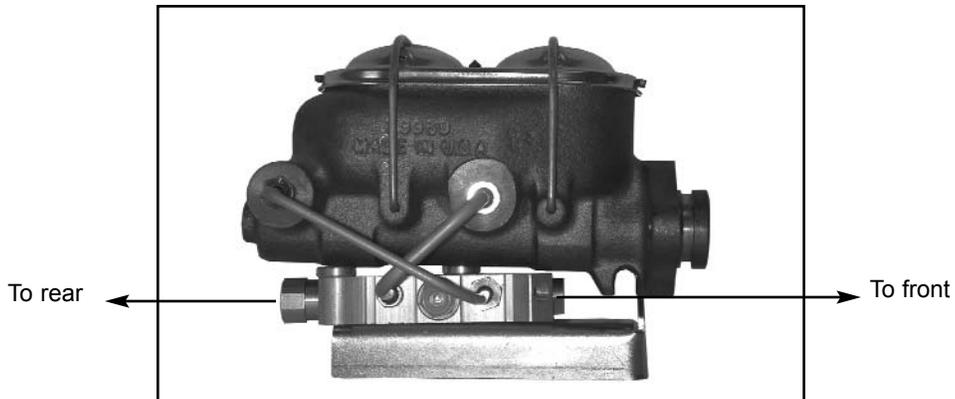




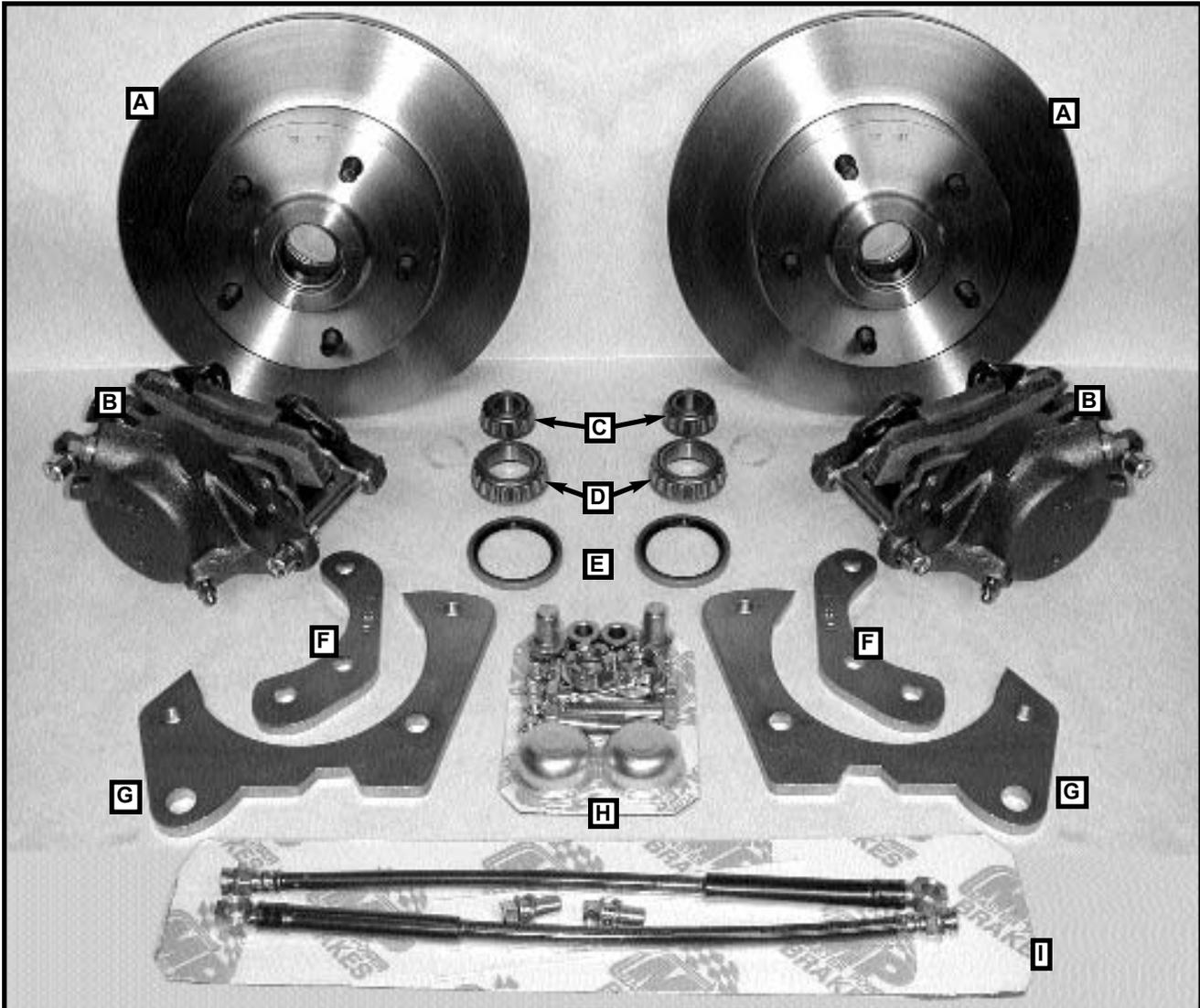
3. Bench bleed the master cylinder to remove all the air.
4. Mount the master to the booster and secure firmly.
5. Supply the booster with at least 18" vacuum from either the intake manifold with the supplied fitting or from the back of the carburetor.
6. Tie the new master cylinder into the braking system as per the diagram below.



7. Bleed the entire braking system to remove all the air and test drive before driving.
8. If your car has disc brakes on the front and drum brakes on the rear we recommend the use of our VL3350 combination valve. This valve will properly balance the pressures of your system.



DB1721P
DISC BRAKE KIT, POWER, 59-64 CHEVY
PARTS LIST



PARTS LIST

- A) (2) RT141039 ROTOR, SINGLE PISTON CALIPER, 69-72 CHEVELLE, 67-69 CAMARO, 69-74 MONTE CARLO
- B) (2) CA403940 CALIPERS, GM, LARGE, SINGLE PISTON
- C) (2) HWA2 BEARING, OUTER
- D) (2) HWA6 BEARING, INNER
- E) (2) HW7934 SEAL, ROTOR
- F) (2) BR1721-1 BRACKET, 59-64 CHEVY SUPPORT BRACKET
- G) (2) BRCA1721-2 BRACKET, 59-64 CHEVY CALIPER BRACKET
- H) (1) HW1721HK HARDWARE KIT
 - (2) 12R150PCOZ PIN, COTTER, 1/8 X 1 1/2 ZINC
 - (2) 43F275HCS8Y BOLT, 7/16-20 X 2 3/4 HCS GR-8 ZINC YELLOW
 - (2) 43F250HCS8Y BOLT, 7/16-20 X 2 1/2 HCS GR-8 ZINC YELLOW
 - (4) 43FNNEZ NUT, 7/16-20 NYLOCK, ZINC
 - (2) 50F250HCS8Y BOLT, 1/2-20 X 2 1/2 HCS ZINC YELLOW
 - (2) 50FNNEZ NUT, 1/2-20, NYLOCK ZINC
 - (2) 62F125HCS8Y HCS, 5/8-18 X 1 1/4 GR-8 ZINC YELLOW
 - (2) 62NLOC8Y WASHER, 5/8 SPLIT LOCKWASHER GR-8 ZINC YELLOW
 - (2) BU1711 SPACER, CALIPER BKTS
 - (2) HW4001 CAPS, DUST, 45.2MM /1 25/
 - (2) HW615005 WASHER, SPINDLE ORG. GM
 - (2) HW615065M SPINDLE NUT, GM, MODIFIED, MACHINED
- I) (1) HS88520K HOSE KIT, FRONT, 69-77, 16" GM, SINGLE PISTON CALIPER
 - (2) HS88520 HOSE, F, 69-71 CAMARO
 - (2) HW21082 BOLT, HOSE 7/16 X 20 SHORT
 - (4) HW4390 COPPER SEALING WASHER USED W/ 4039 & 4040 CALIPER

CONTINUED
ON PAGE 2

DB1721P
CONTINUED



PARTS LIST (CONT.)

- J) (1) BM1722 BOOSTER/ MC, 9" 55-64 CHEVY DRUM/ DISC (SEE BM1722 PARTS LIST)
- K) (1) VL3360K VALVE KIT, W/ FITTINGS
 - (1) 25C175HCS5Z 1/4 X .175 BOLT
 - (1) 25CNNEZ 1/4 COURSE NYLOCK NUT
 - (1) BR1261N BRACKET, VALVE, UNIVERSAL
 - (2) HW105-3 NUT, 3/16 TUBE 3/8-24 THD
 - (1) HW106-3 PLUG, 3/16"
 - (2) HW106-4 PLUG, INVERTED STEEL 1/4" O.D.
 - (1) HW115-37 NUT, 3/16 TUBE 7/16-24 THD RED
 - (1) HW115-38 NUT, 3/16 TUBE 1/2-20 THD BLACK
 - (1) HW115-39 NUT, 3/16 TUBE 9/16-18 THD OLIVE
 - (1) HW1709 PLUG, SWITCH, COMBO VALVE
 - (1) HW210-43 ADAPTOR, BRASS 7/16-3/8M
 - (2) HW300-3 COUPLER 3/16
 - (2) HW300-4 COUPLER 1/4
 - (2) HW300-5 COUPLER 1/2
 - (1) HW3359 PLUG, COMBO VALVE, 4 WHEEL DISC
 - (1) HW702-3 T-FITTING 3/16 X 3/16 X 3/16
 - (1) VL3350 VALVE, COMBO, DISC / DRUM

MASTER POWER BRAKES 888-533-1199