

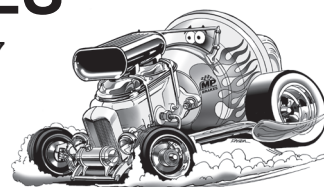


MASTER POWER BRAKES

110 Crosslake Park Road, Mooresville, NC 28117

Website: www.mpbrakes.com

Technical Support: 888-533-1199



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 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 A.M. TO 5:00 P.M. E.S.T.

CHECK ORDER IMMEDIATELY WARRANTY INFORMATION

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, **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.

You have: **5 days** to declare shipping damages
30 days to declare missing or incorrect parts
90 days for exchanges or returns (RA req'd)
1 year before product warranty expires.

No exceptions allowed.

Thank you for your business!



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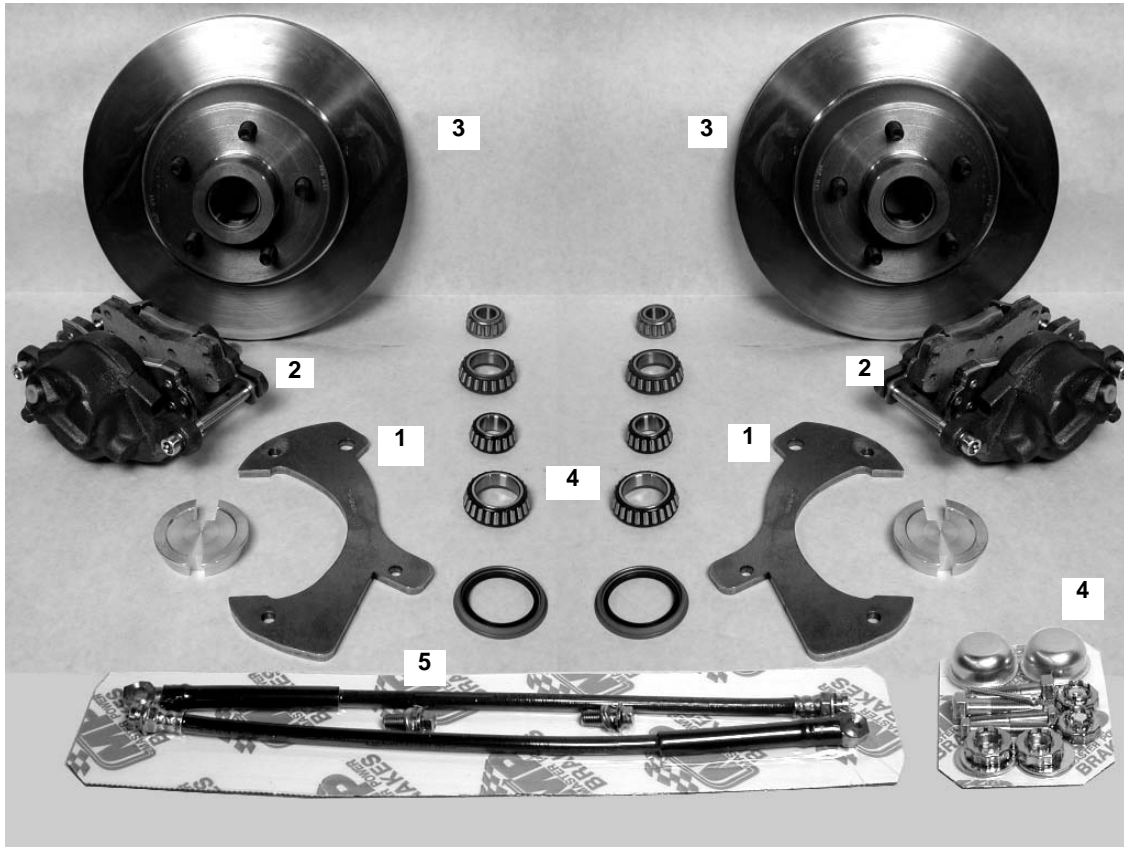
INSTALLATION INSTRUCTIONS

INCLUDED COMPONENTS

Your disc brake conversion kit will contain the following components:

1. Caliper mounting brackets and hardware
2. Calipers with pads
3. Rotors
4. Bearings, seals and dust caps
5. Caliper hoses

**IMPORTANT NOTE:
KIT REQUIRES USE
OF 1972 OR NEWER
FULL-SIZE FORD
DISC BRAKE
WHEELS**



DISC BRAKE 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
Drum brake tool
Screwdriver
Line bending tool

Flare wrench set

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

1. Remove the stock front drums, brakes and backing plates. Clean and inspect the spindles for cracks or damage. Be sure to thoroughly clean out the 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. The installation of this disc kit will require some light grinding on the back of the spindle where the lower tab of the caliper bracket bolts to the spindle. See figure below.

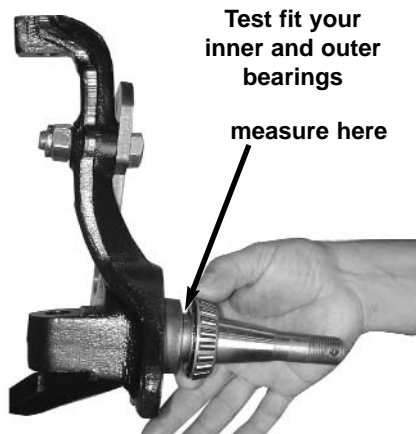
Drivers side



Drivers side



3. Mount the caliper bracket to the spindle as shown using the supplied bolts and nuts.
4. There are two different size spindles possible on your car. Test fit the bearings supplied to determine which inner and outer bearings fit on your spindle. If the spindle diameter is 1.250 you will use the A2 and A6 bearings. If your spindle diameter is 1.375 you will use the A12 and A13 bearings. Using the A2 and A6 bearings will require that you change the races on the rotors with the races supplied with those bearings. Tap the races in the rotor out and install the larger races.



5. Install inner bearing into the rotor followed by the bearing seal. Be careful to tap the seal flush so it is secure in the rotor. Be sure to grease the bearings with bearing grease before installing.

Installing the inner bearing



Installing the inner seal

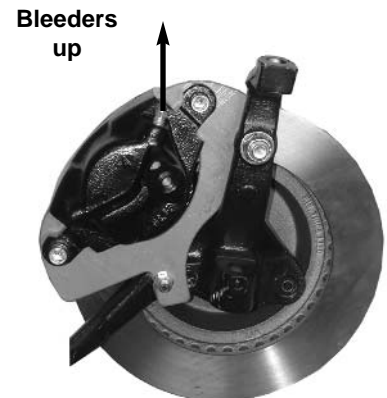


6. Install the rotor onto the spindle followed by the outerbearing, keyed washer and spindle nut. Tighten the nut until the rotor does not spin freely and then back off until it spins freely. Be sure to install the cotter pin on the spindle nut.

GREASE BEARINGS BEFORE INSTALLING WITH A HIGH QUALITY BEARING GREASE



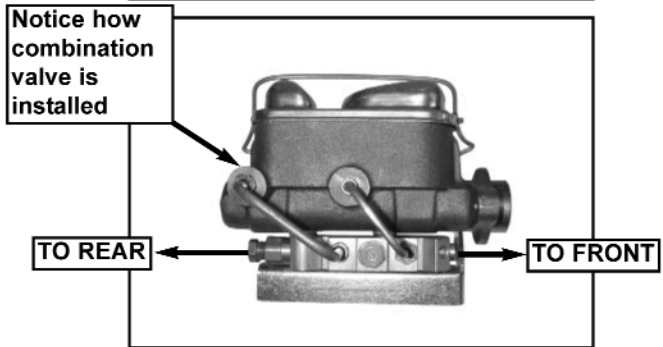
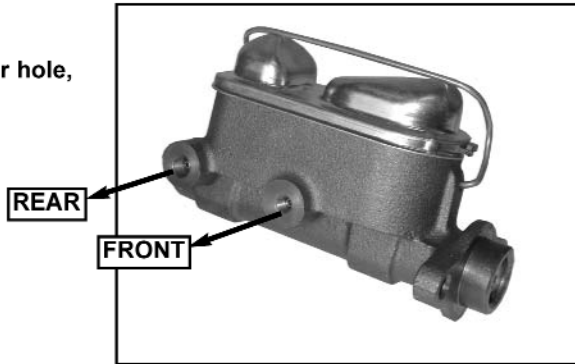
7. Install the pads into the caliper and slide the caliper over the rotor and secure to the bracket with the caliper mounting bolts. **The bleeder screw must up.**



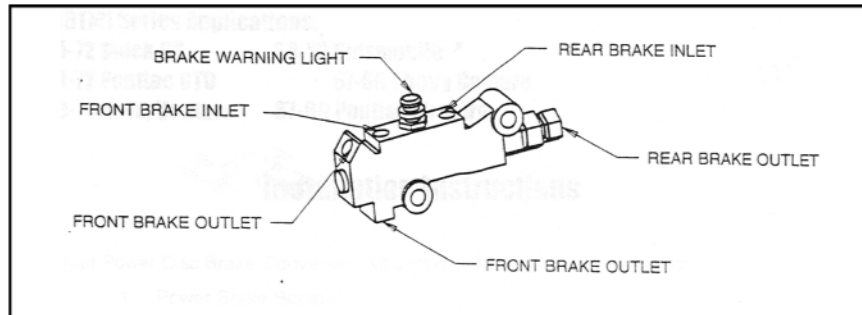
8. Attach the caliper hoses to the calipers using the supplied hose bolts and crush washers. The order of attachment should be caliper, copper washer, brass hose fitting, copper washer, hose bolt.

MANUAL MASTER INSTALLATION:

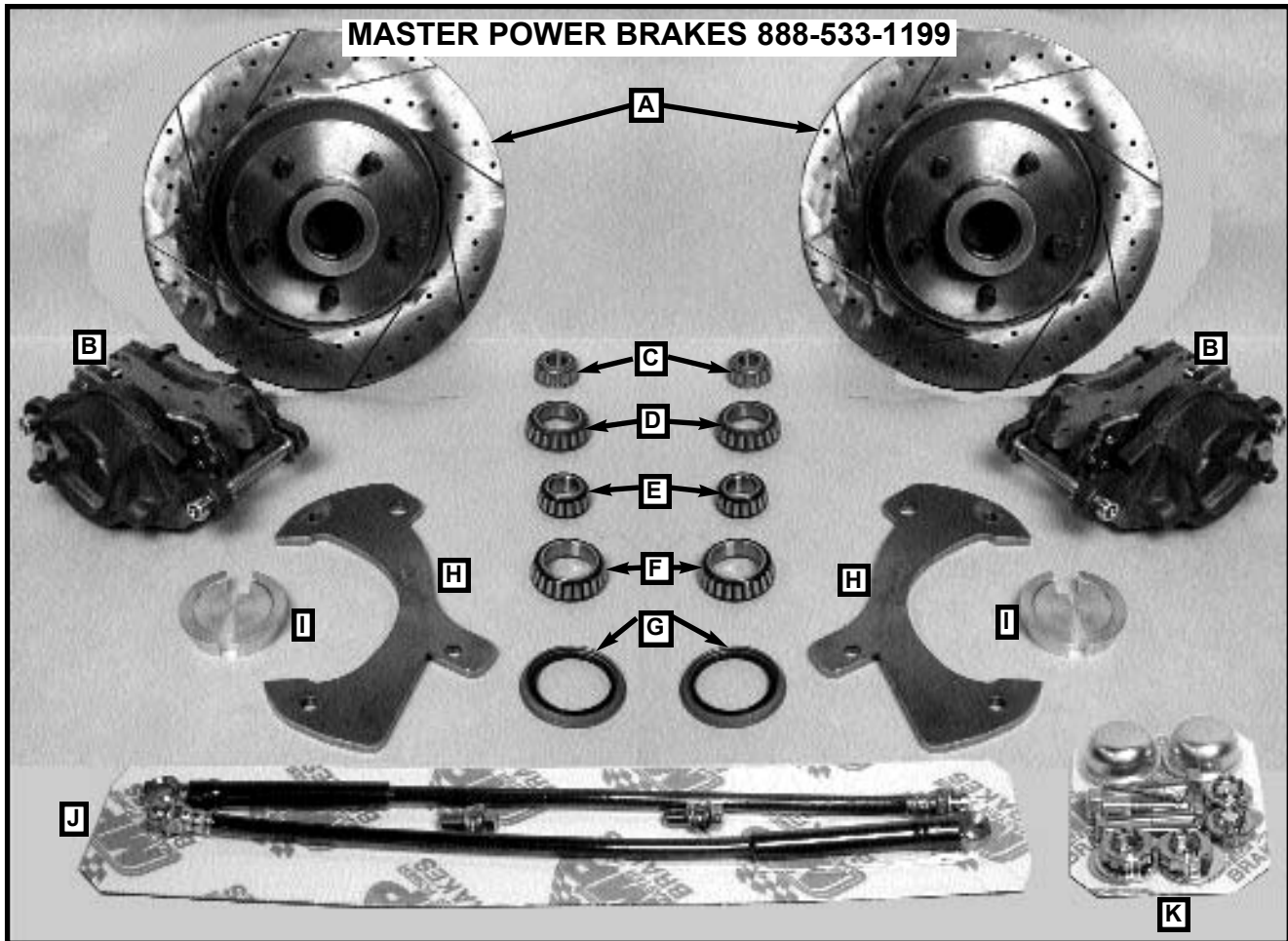
1. Disconnect the master cylinder push rod from the brake pedal.
2. Remove the old master cylinder.
3. Using the two holes which line up with the larger hole, install the new master.
4. Attach the master cylinder push rod to the pedal with the supplied clevis attachment.
5. Place the proportioning valve bracket onto one of the nuts that holds the master and tighten.
6. Mount the valve to the bracket.
7. Run the two supplied pre-bent lines from the master to the valve.
8. Run hard line from the valve to the front and rear part of the braking system as per the valve diagram.



NOTE: When running lines to the front, you can plug one of the outlets on the valve (to front) and splice the one brake line to front calipers. You do not need to run two separate lines to the combination valve.



DB1513MHP
DISC KIT, 57-64 F/S FORD W/ SLOTTED AND X-DRILLED
PARTS LIST



PARTS LIST

- A) (2) RT141016HP ROTORS, SLOTTED AND X-DRILLED
- B) (2) CA404546 CALIPERS, 60-72 CHEVY TRUCK 5 OR 6 LUG PATTERN
- C) (2) HWA2 BEARING, OUTER
- D) (2) HWA6 BEARING, INNER
- E) (2) HWA12 BEARING, OUTER
- F) (2) HWA13 BEARING, INNER
- G) (2) HW6815 SEAL, ROTOR, SEAL
- H) (2) BRCA1512 BRACKET, CALIPER F/S FORD
- I) (2) AD403940 ADAPTOR, PAD OR SPACER FOR MUSTANG II KIT, FORD
- J) (1) HS5157K HOSE KIT, 18" HOSES 10MM
 (2) HS5157 HOSE, 18" 10MM HOSE
 (4) HW21206 WASHER, COPPER USED FOR METRIC HOSE BOLT
 (2) HW5155 10MM METRIC BOLT COURSE
- K) (1) HW1513HK HARDWARE KIT
 (2) 12R150PCOZ PIN, COTTER, 1/8 X 1 1/2 ZINC
 (2) 37F225HCS8Y BOLT, 3/8-24 X 2 1/4 HCS GR-8 ZINC
 (2) 37FNNEZ NUT, 3/8-24 NYLOCK
 (2) 56F225HCS8Y BOLT, 9/16 X 2 1/4
 (2) 56FNNEZ 9/16-12 NYLOCK
 (2) HW4001 CAPS, DUST, 45.2MM /1 25/
 (2) HW615005 WASHER, SPINDLE ORG. GM
 (2) HW615072 NUT, SPINDLE
 (2) HW615073 NUT, SLOTTED
 (2) HW615074 NUT, SPINDLE
 (2) HW615075 RETAINER, SPINDLE NUT
 (2) HW618013 WASHER, SPINDLE NUT



PARTS LIST

- L) (1) MC11378M MASTER CYLINDER, MANUAL, FORD 1" BORE, 3/8 STROKE DUAL RESERVOIR
- M) (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

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