



## 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**

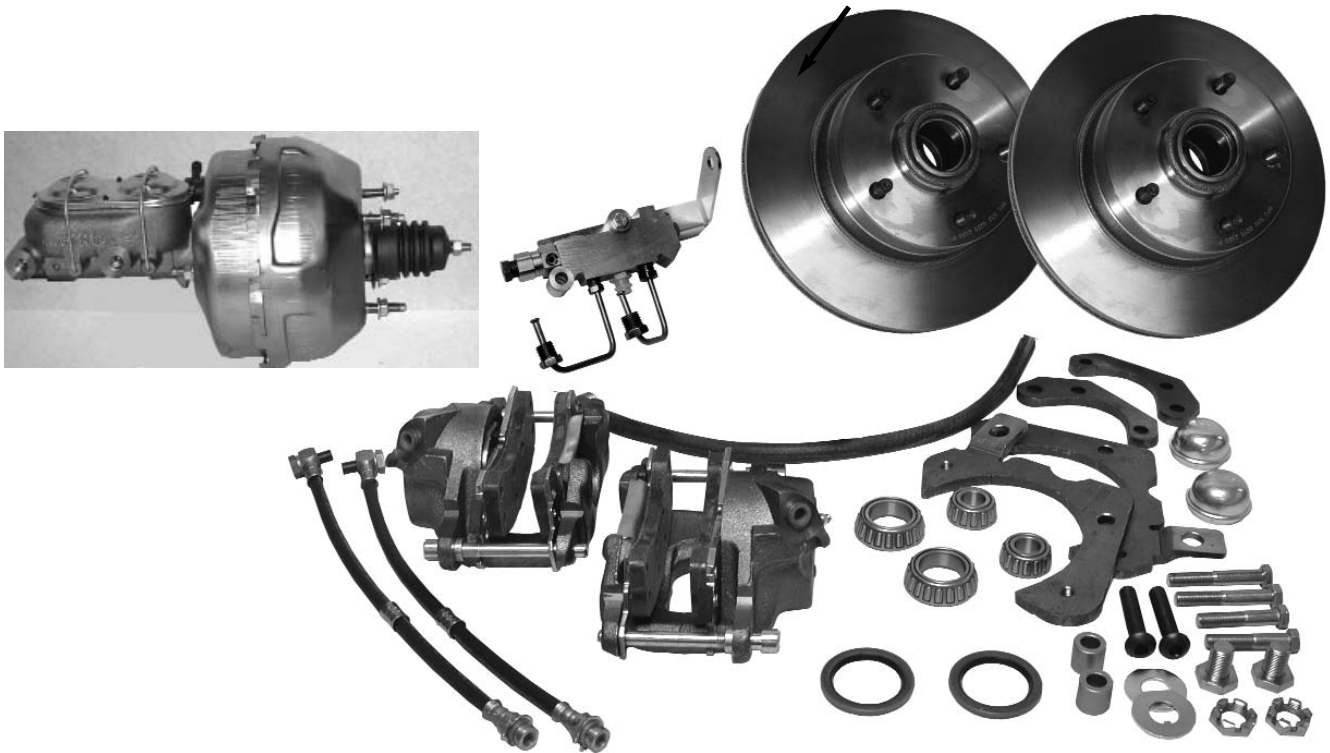
**[www.mpbrakes.com](http://www.mpbrakes.com)**

# DB1724P INSTALLATION INSTRUCTIONS

## INCLUDED COMPONENTS

Your power brake conversion kit will contain the following components:

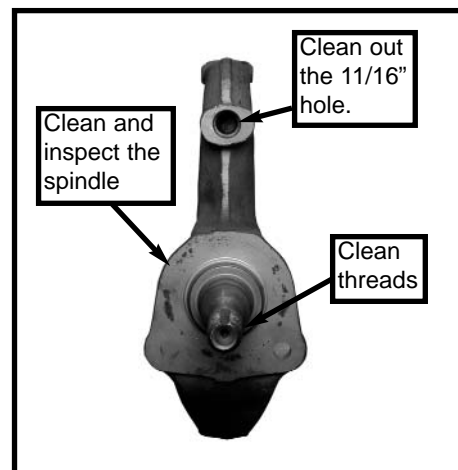
1. Power booster with master cylinder
2. Combination valve kit
3. Caliper mounting brackets and hardware
4. Calipers with pads
5. Rotors
6. Bearings, seals, and dust caps
7. Caliper hoses



## INSTALLATION

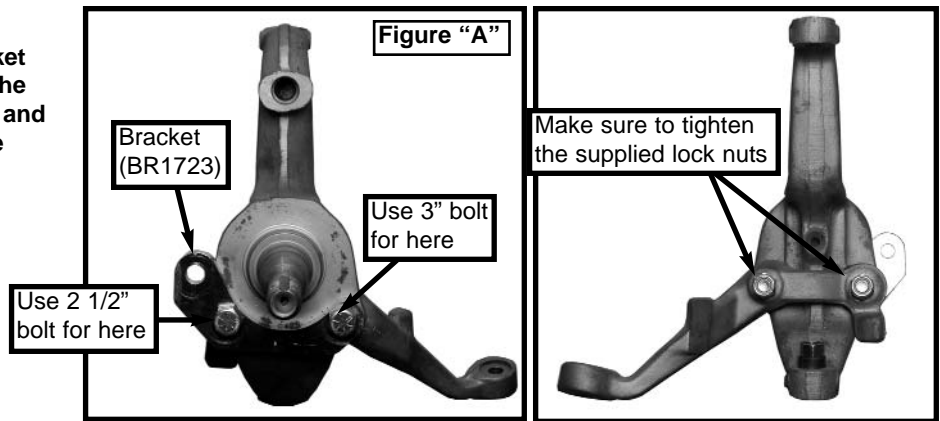
### STEP #1

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 11/16" 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.



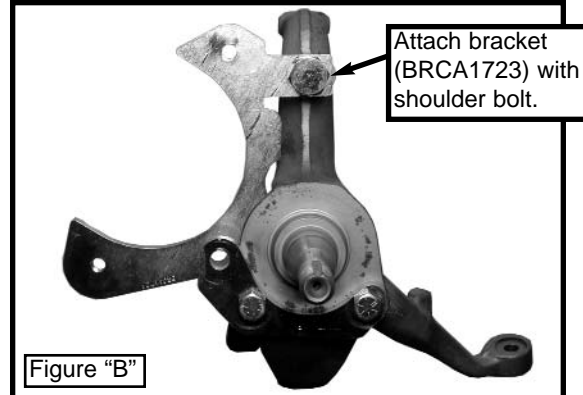
## STEP #2

Now install the small support bracket (BR1723). You will need to loosen the bolts that hold on the steering arm and replace them with the bolts that are supplied in the kit. (See Figure "A")



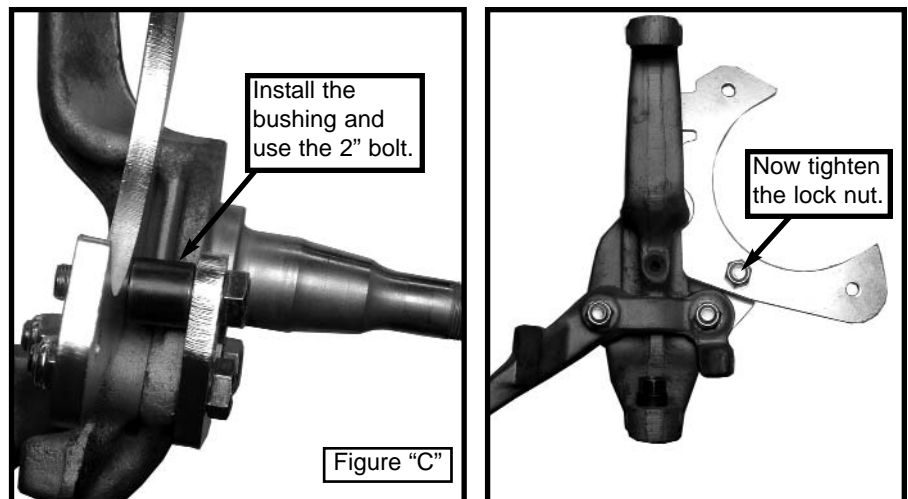
## STEP #3

Now attach the the caliper bracket (BRCA1723) to the spindle using the supplied shoulder bolt. Make sure not to tighten to much, just finger tighten the bolt. (See Figure "B")



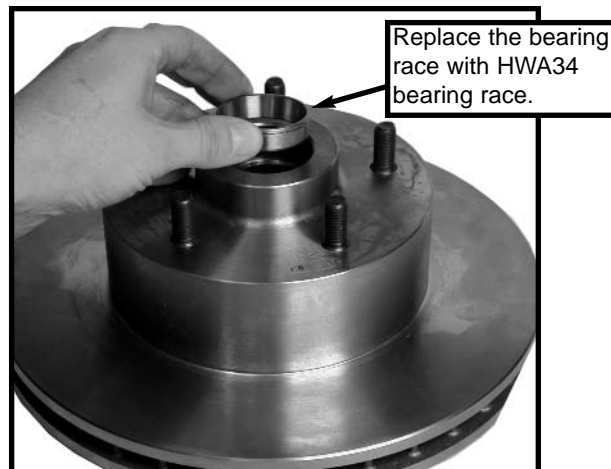
## STEP #4

Install the bushing between the small support bracket (BR1723) and the caliper bracket (BRCA1723). Use the 2" bolt that is supplied and tighten with lock nut. (Now you can tighten the shoulder bolt at the top of the spindle.) (See Figure "C")



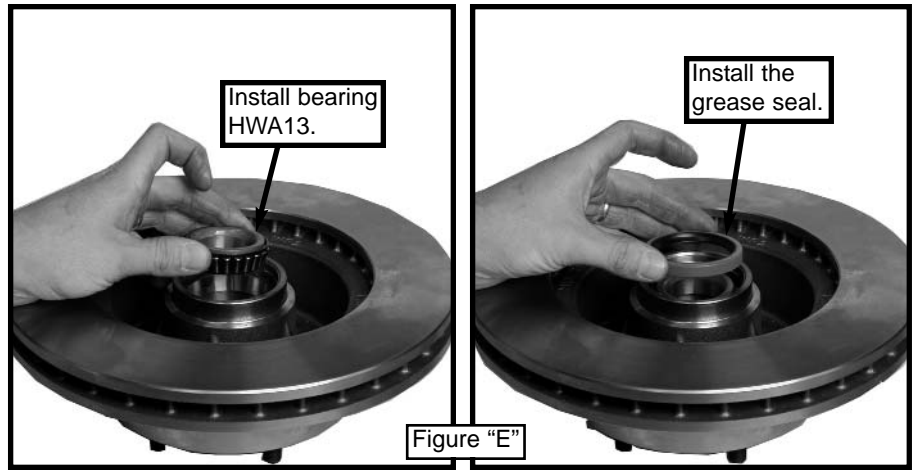
## STEP #5

You will need to remove the bearing race from the front of the rotor and replace with the one supplied in bearing pack (HWA34). (See Figure "D")



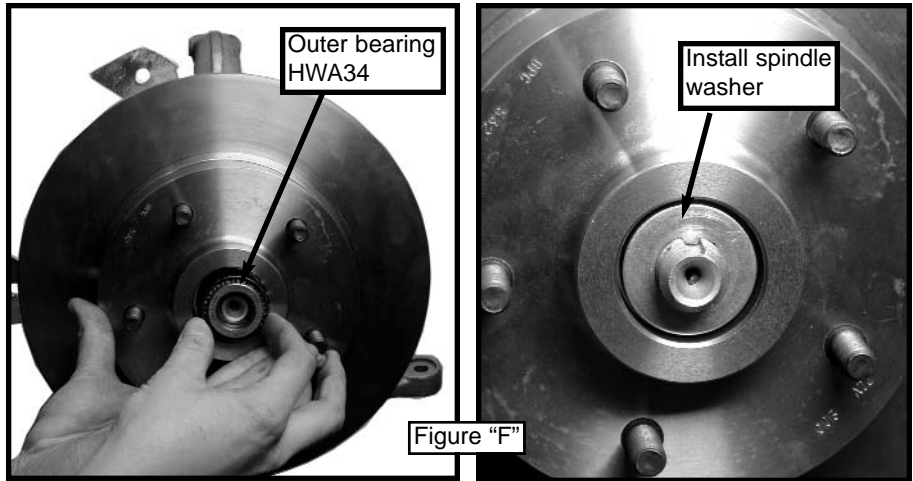
### STEP #6

(Grease the inner and outer wheel bearings with a high quality wheel bearing grease.) Install the inner wheel bearing into the hub followed by the grease seal. You will not need to replace the bearing race in the back of rotor. Be sure to tap the seal flush with the hub surface. (See Figure "E")



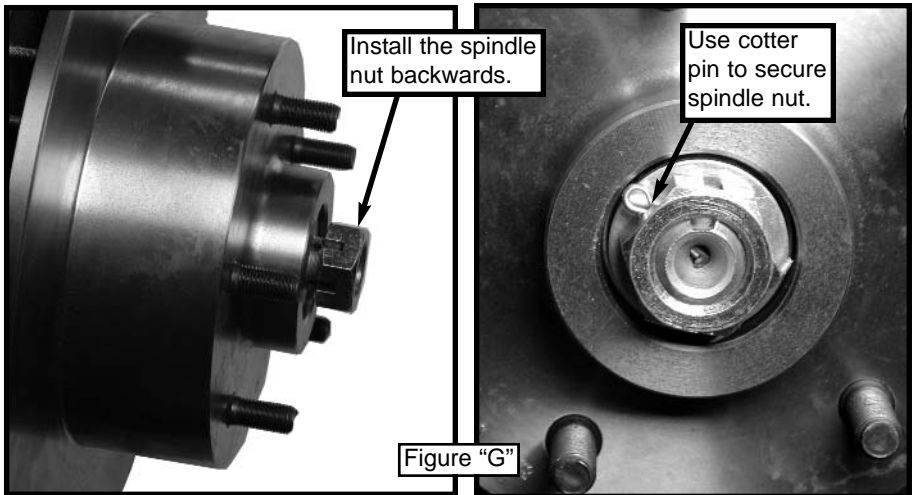
### STEP #7

Slide the rotor onto the spindle followed by the outer bearing. Then slide on the spindle washer. (See Figure "F")



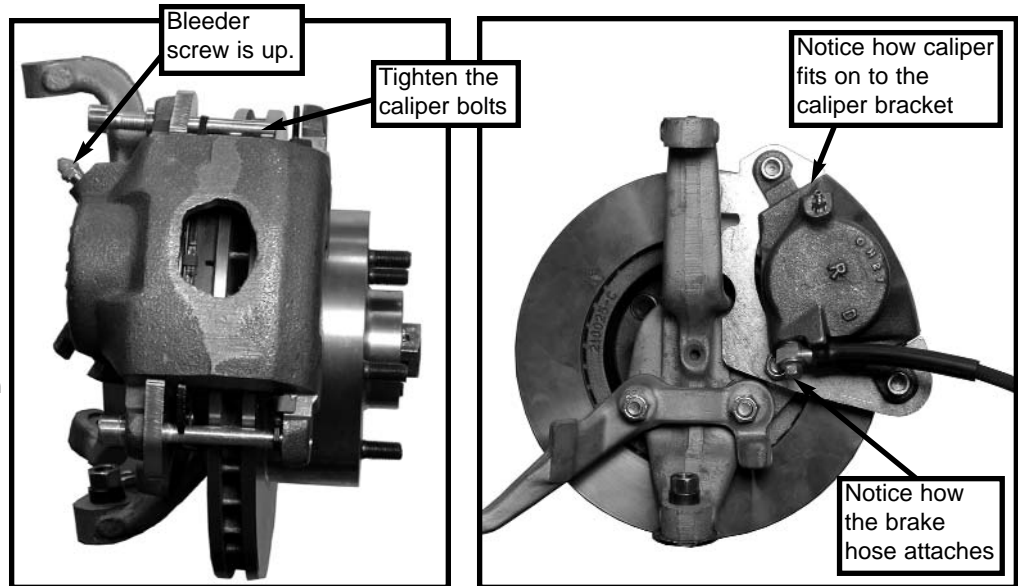
### STEP #8

Now install the spindle nut and tighten until the rotor moves freely but is not loose. (For this kit you will need to install the spindle nut backwards) Now use the cotter pin to secure the spindle nut from coming loose. Then put on the dust cap. (See Figure "G")



## STEP #9

Now attach the caliper with pads to the caliper bracket and tighten the caliper bolts securely. Make sure that the bleeder screw is facing up. (Now check for wheel clearance on the caliper before you turn the wheel. Turn the wheel slowly to be sure there are no points of interference between the caliper and the wheel.) Then install the brake hoses with the supplied hose bolts and washers. (Check for clearance at full left and right turns. Do not check with the wheels on the ground.)



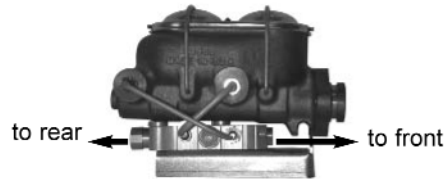
**Bleed the entire system using new DOT3 or DOT4 fluid.  
Check the brake pedal for firmness before moving.**

## MASTER POWER BRAKES

For more info or help you can go to our web-site at:  
[911brakes.com](http://911brakes.com)  
or call tech support at:  
1-888-251-2353  
or  
[www.mpbrakes.com](http://www.mpbrakes.com)

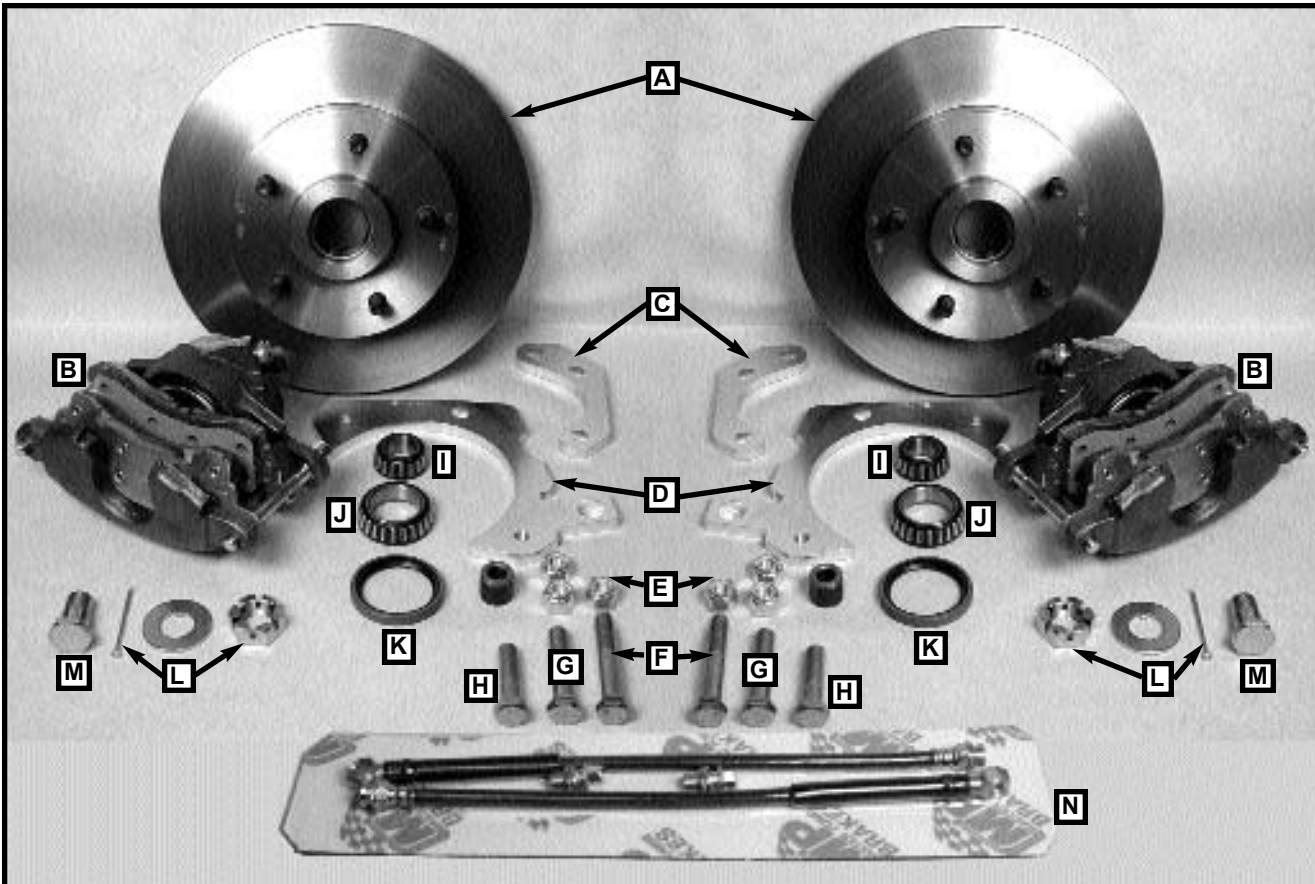
## POWER BOOSTER INSTALLATION

1. Remove the old master cylinder and brake line that goes to the connector block on the chassis.
2. Install the booster onto the firewall using the supplied gasket as a template to relocate the lower holes. Open up or elongate any holes to fit the booster pattern. Connect the booster rod to the pedal in the same location using the supplied clevis and pin.
3. Bench bleed the master cylinder and mount it to the booster.
4. Obtain vacuum from the carburetor or intake manifold. An intake manifold fitting and vacuum hose are supplied.  
**YOU MUST HAVE AT LEAST 18" OF VACUUM TO OPERATE THE BOOSTER**
5. Tie the master cylinder into the system as per the diagram below.



6. If you are using our combination valve v13350 for disc/drum plumb as per the diagram above.

**DB1724P**  
**DISC KIT, 69-70 F/S CHEVY, POWER KIT**  
**\*\*\*USES CUSTOMERS SPINDLES\*\*\***  
**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) BR1723 BRACKET, SECONDARY SUPPORT TO BRCA1723
- D) (2) BRCA1723 BRACKETS, CALIPER 69-70 FULL SIZE
- E) (6) 50FNNEZ NUT, 1/2-20, NYLOCK ZINC
- F) (2) 50F300HCS8Y BOLT, 1/2-20 X 3 HCS GR-8 ZINC YELLOW
- G) (2) 50F250HCS8Y BOLT, 1/2-20 X 2 1/2 HCS GR-8 ZINC YELLOW
- H) (2) 50F200HCS8Y BOLT, 1/2-20 X 2 HCS GR-8 ZINC YELLOW
- I) (2) HWA34 BEARING, OUTER
- J) (2) HWA13 BEARING, INNER
- K) (2) HWCR19215 SEAL, ROTOR, GM/ MUSTANG II CONVERSIONS
- L) (2) HW05110 NUT, SPINDLE FULL SIZE GM \*\*\*OBSOLETE\*\*\* (USE DIFFERENT SPINDLE WASHER)
- M) (2) HW1116 SHOULDER BOLT, 11/16 X 1
- N) (2) HS88520K HOSE KIT, FRONT, 69-77, 16" GM SINGLE PISTON CALIPER SET
  - (2) HS88520 HOSE, F, 69-71 CAMARO
  - (2) HW21082 BOLT, HOSE 7/16 X 20 SHORT
  - (2) HW4390 COPPER SEALING WASHER USED W/ 4039 & 4040 CALIPER

DB1724P  
CONTINUED



**PARTS LIST (CONT.)**

- O) (1) MC390545P MASTER, 1 1/8 BORE CORVETTE STYLE MASTER
- P) (1) BSKZ9 BOOSTER, 9" DUAL
- Q) (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**