



## 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)**



# **PA1201K**

## **UNIVERSAL POWER BRAKE WITH HYDRAULIC CLUTCH**

### **INSTALLATION INSTRUCTIONS**



# **MASTER POWER BRAKES**

110 CROSSLAKE PARK RD MOORESVILLE N.C. 28117

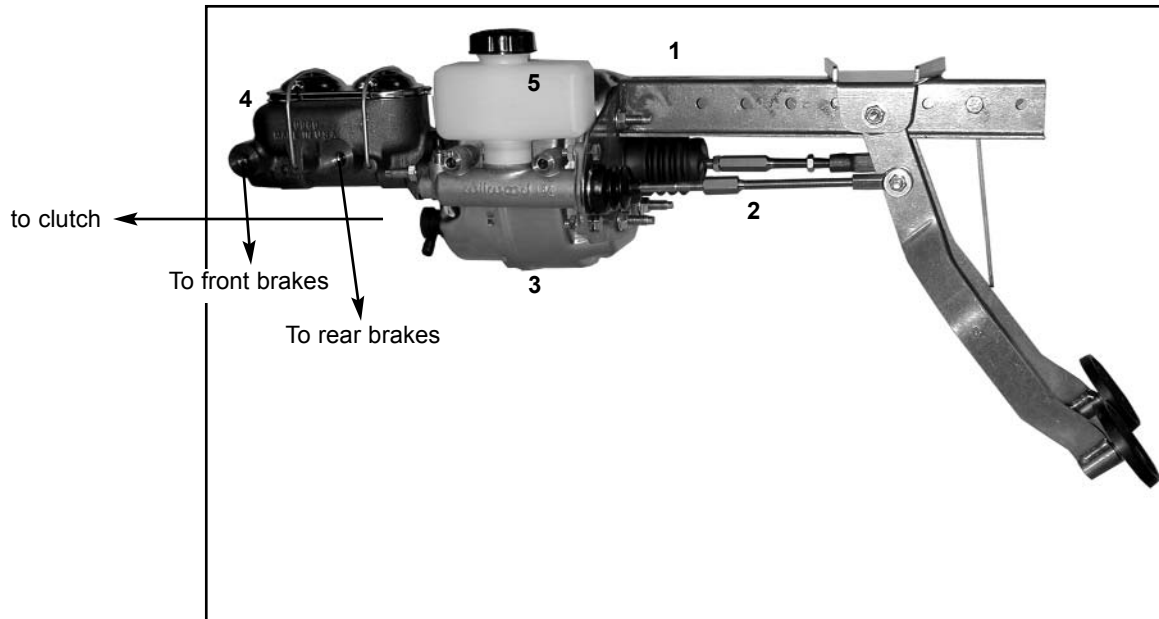
[www.mpbrakes.com](http://www.mpbrakes.com) 704-664-8866



## INSTALLATION INSTRUCTIONS

### INCLUDED COMPONENTS

1. Hanging pedal bracket with brake and clutch pedal
2. Adjustable push rod from pedal to booster and clutch cylinder
3. 8" power booster
4. Master cylinder
5. Clutch cylinder



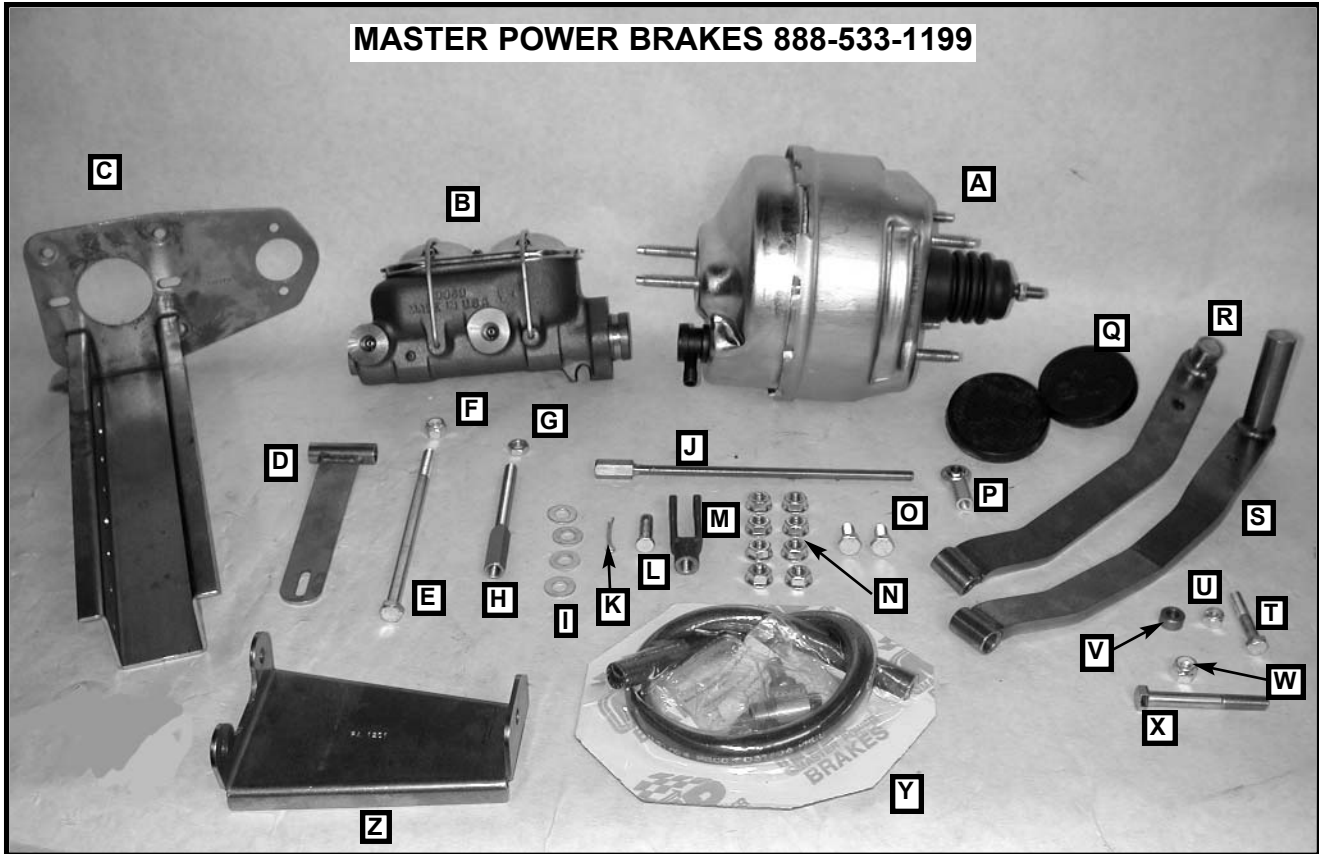
### INSTALLATION

**Begin assembly with only the pedal bracket/channel and hanging pedals. Remove the booster, clutch cylinder and linkage to the pedal.**

1. Determine where the hanging pedal kit will be located by placing the mounting flange on the inside of the firewall. Pick a suitable location where the pedals will be easily reached during the braking and clutch activation. Mark the locations of the holes to be drilled and drill small pilot holes through the firewall into the engine compartment. From the engine compartment you will then be able to drill the necessary 3/8 holes required for mounting the booster and clutch cylinder. You will also need to drill the larger hole through the firewall to accept the firewall boots and pedal linkage.
2. After drilling the holes temporarily mount the pedal assembly by placing the booster on the firewall and running the four studs through the firewall and then through the mounting flange. Loosely tighten the nuts to secure the pedal bracket.
3. Determine the location of the pedal pivot point that will give you the best pedal feel. The pivot point can be located on the channel in any of 7 pre drilled holes from 4.5 to 13" inward from the firewall.
4. Remove the pedal assembly and cut off the excess channel material.
5. Re install the pedal and power booster fixing the assembly to the firewall. Tighten mounting nuts.
6. Bench bleed the master cylinder to remove all air and mount it to the booster.
7. Bench bleed the clutch cylinder and mount to firewall.
8. Supply the booster with 18" vacuum from either the intake manifold or the carburetor.
9. Attach the linkage from the booster to the pedal and also from the clutch cylinder to the pedal. When the pedal is depressed there should be 1/4-1/2" freeplay before the booster or clutch are activated.
10. Attach the lines as indicated above. Bleed the system and test functions before driving.

# PA1201K PARTS LIST UNIVERSAL POWER BRAKE W/ HYDRAULIC CLUTCH

MASTER POWER BRAKES 888-533-1199



## PARTS LIST

Revised 11/6/03

- A) (1) BS8001 BOOSTER, 8" DUAL DIA.
- B) (1) MC390545P MASTER, 1-1/8 BORE 4WD, CORVETTE STYLE MASTER
- C) (1) PA1201 BRAKE AND CLUTCH PEDAL SUPPORT BRACKET
- D) (1) PA1201 UNDER DASH SUPPORT BRACKET
- E) (1) 37C7008CS5Z BOLT, 3/8-16 X 7" GR-5 ZINC
- F) (1) 37CNNEZ NUT, 3/8-16 NYLOCK ZINC
- G) (1) 37FNFJOZ NUT, 3/8-24 HEX FINISH J-NUT ZINC
- H) (1) PRBL3 PUSH ROD 3" FOR BOOSTER
- I) (4) 37NSAEFWZ FLAT WASHER, 3/8
- J) (1) PR1201 PUSH ROD, 9", 5/16 THREAD
- K) (1) 12R100PCOZ COTTER PIN, 1/8 X 1"
- L) (1) 37N112PCLZ PIN, 3/8 X 1 1/8 CLEVIS
- M) (1) HW3719 CLEVIS PIN/CAST IRON 3/8 X 24 THREAD/ FEMALE
- N) (8) 37CNWFZ 3/8-16, WHIZ FLANGE ZINC
- O) (2) 37C75HCS5Z BOLT, 3/8-16 X 3/4 GR-5 ZINC
- P) (1) HW4038 ROD END (FM) 5/16 ALL, 5/16 THREAD
- Q) (2) HW15093 PAD, PEDAL, UNDER FLOOR AND SWING PEDALS
- R) (1) PA1201 BRAKE PEDAL ARM
- S) (1) PA1201 CLUTCH PEDAL ARM
- T) (1) 31C200HCS5Z BOLT, 5/16 X 2" GR-5 ZINC
- U) (1) 31CNNEZ NUT, 5/16, NYLOCK ZINC
- V) (1) BU1512 .629 X .325 TH. SPACERS, BOOSTER
- W) (1) 37FNNEZ NUT, 3/8 X 24, NYLOCK
- X) (1) 37F300HCS8Y BOLT, 3/8-24 X 3", GR-8 ZINC
- Y) (1) HS4001K HOSE KIT, VACUUM
  - (1) AC2002 BLEEDER KIT, USED IN DUAL MASTER CYL. APPL.
  - (1) HS4001-2 VACUUM HOSE, 2FT PER KIT
  - (1) HW40066 FITTING, MALE ELBOW, 3/8 O.D. TUBE, 3/8 PIPE VAC. HOSE
  - (1) HW413-66 FITTING, MALE INVERTED, 3/8 HOSE I.D., 3/8 MANIFOLD VAC. HOSE
- Z) (1) PA1201 SUPPORT BRACKET FOR CLUTCH PEDAL