

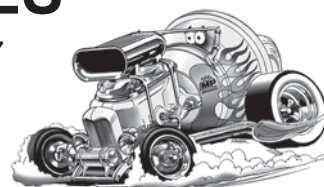


# MASTER POWER BRAKES

110 Crosslake Park Drive, Mooresville, NC 28117

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

Technical Support: 888-533-1199



## WARNING

Disc brake conversions require disc brake wheels. Drum brake wheels will not clear the disc brake calipers.

### Minimum specifications for a disc brake wheel:

1. Correct bolt circle
2. Large center hole to clear the rotor hub center
3. 15"X 7"
4. 3 3/4" backspace
5. Wheel drop center (spokes) that clear caliper

### **CUSTOMER IS RESPONSIBLE FOR PROPER WHEEL FITMENT**

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.*

**WARRANTY: Void if  
silicone fluid is used in  
system**

*Thank you for your business!*



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# VALVE KIT INSTALLATION

## MASTER CYLINDER

## LINE KIT

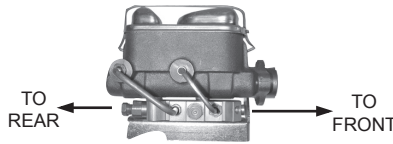
## INSTALLATION

## NOTES

### FORD

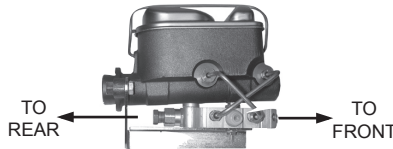
MC11378M

LN11378



MC11680P

LN11680



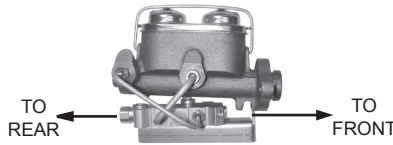
MC11897P/M

LN11897

### GM

MC11489P

LN11489



MC11505M

LN11505

MC390360P

LN390360

MC390360M

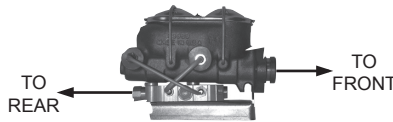
LN390360

MC390545P

LN390545

MC390545M

LN390545

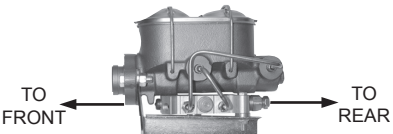


MC390387P

LN390387

MC390387M

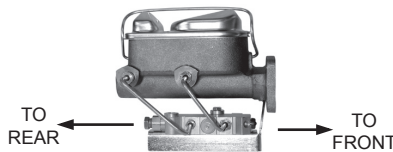
LN390387



### MOPAR

MC11571P/M

LN11571



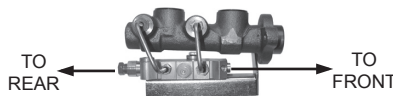
### STREET ROD

MC1001PZ

LN11740

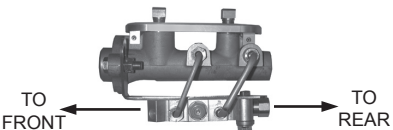
MC1001MZ

LN11740



MC390427P

LN390427



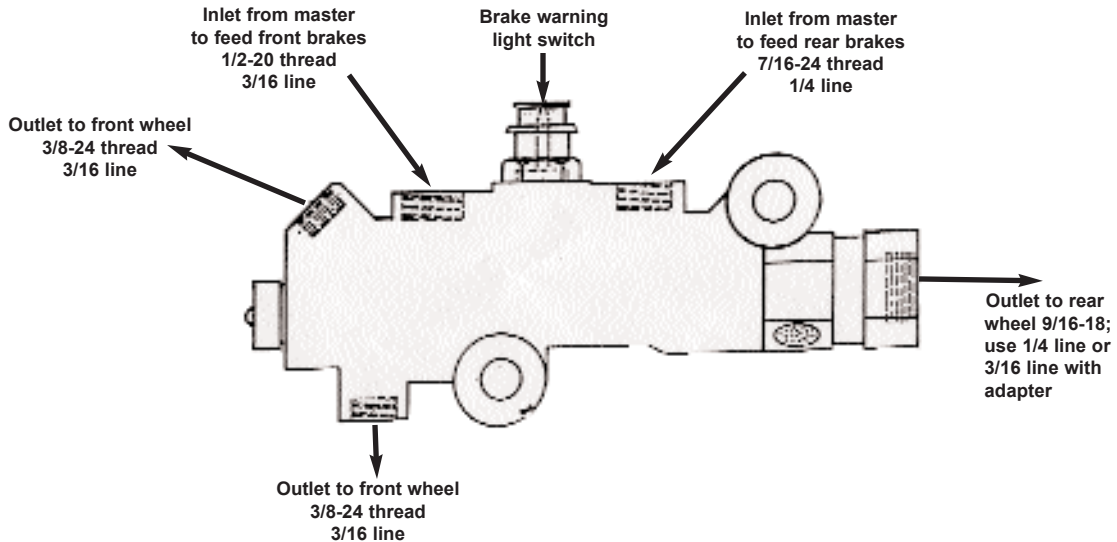
- The valve has two outlets to the front. You may plug one and split the line to each front wheel.
- We recommend that you run 3/16 hard line to the front of the car and 1/4 hard line to the rear. (You may purchase a 3/16 adaptor fitting HW4007.) Flare nuts are included.
- If you wish to use an existing line fitting into the valve you will need to obtain a brass adaptor fitting.
- The pre-bent lines may be “tweaked” and bent slightly to make everything fit correctly. Tighten bracket and valve hardware only after pre-bent lines have been secured.
- The center white plug on the valve is a switch that will sense a loss of pressure in half the system and turn on a light on the dash. Original 2 wire systems (Jeep, Ford, Chrysler) need to be spliced together, then connected to single wire terminal.
- If the valve trips during bleeding and fluid pressure is cut off to either the front or the rear you will need to re-center the valve by opening a bleeder screw at the opposite end of the car where there is no pressure, run the brake pedal slowly to the floor and close the bleeder valve.



# VL3350 COMBINATION VALVE

## PLEASE NOTE:

The VL3350 combination valves are pre set for disc/drum. You will not need to make any modifications. To convert the valve to disc/disc you will need to make change to the valve as shown below. These valves will give you the correct front to rear bias as well as preventing "nose dive" and rear wheel lock up under extreme braking conditions.



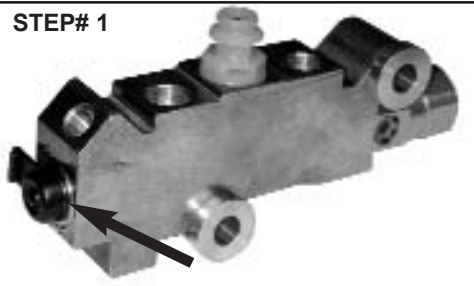
You may plug one of the outlets to the front and run a single line with a "T" to each wheel later on. The brake warning light switch will turn on a dashboard light if you lose half your braking system. An internal piston will shuttle to one side and turn the switch on. The electrical plug for this switch is MP # HW1709 or AC Delco # 1-179-1016

### IF YOUR VALVE HAS TRIPPED:

1. Using a test light attach clip to a battery positive and the point of the tester to the valves connector. If the light goes on, the valve has tripped, shutting off fluid flow to either the front or rear.
2. If no light goes on the valve has not tripped.
3. To reset the valve, bleed the system and determine whether the front or rear is not getting flow. Open a bleeder valve on the part of the system with flow and slowly depress the pedal with steady pressure until the light goes out. Re tighten the bleeder.

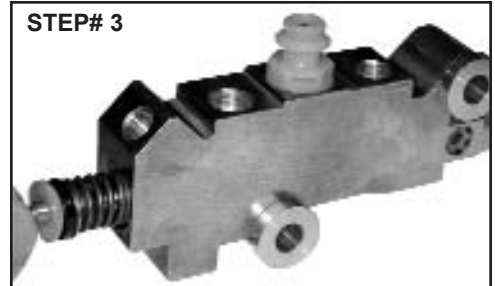
### DISC/DISC CONVERSION INSTRUCTIONS

STEP# 1



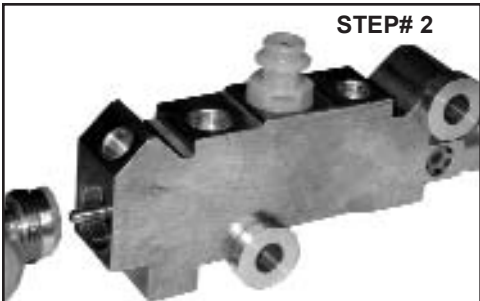
Locate the black rubber cap.

STEP# 3



Slide out the steel valve assembly as one unit and discard

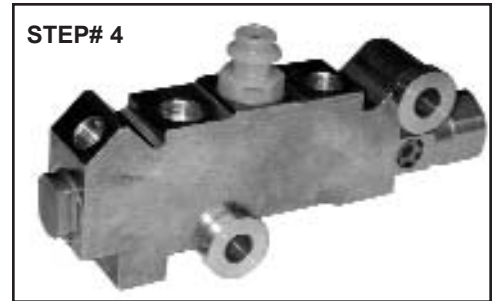
STEP# 2



Remove the black rubber plug and unscrew the brass nut

Coat brass plug threads using 2-part epoxy cement (Permatex #84109 recommended). Install plug and allow cement to cure per instructions on package.

STEP# 4



**TO ANSWER QUESTIONS ABOUT INSTALLATION  
CALL OUR TECH-LINE #  
888-533-1199**