# **GM/ FORD MASTER CYLINDER KITS**







#### **GM LEFT MOUNT**

MCK111LM / MCK111DLM CAST IRON MCK112LM / MCK112DLM ALUMINUM MCK113LM / MCK113DLM CHROME MCK114LM / MCK114DLM CHROME **GM BOTTOM MOUNT** 

MCK111BM / MCK111DBM CAST IRON MCK112BM / MCK112DBM ALUMINUM MCK113BM / MCK113DBM CHROME MCK114BM / MCK114DBM CHROME

#### FORD STYLE BOTTOM MOUNT

MCK7161 / MCK7161D

# **INSTALLATION INSTRUCTIONS**

NOTE: ALWAYS REFER TO THE VEHICLE OWNER'S MANUAL FOR CORRECT TORQUE SPECIFICATIONS WHEN INSTALLING KIT.

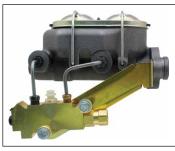


FIG. 1



FIG. 2



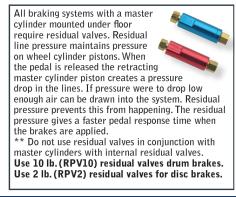
FIG. 3

## INSTALLING PROPORTIONING VALVE KIT (LEFT MOUNT AS SHOWN FIG.1

- Verify that you have the following: 1 valve, 2 lines, 1 bracket, 1 harness connector, 1 bag that contains 2 bolts, 4 washers and 2 nuts (bottom mount only)
- Place the valve on your work bench and position the valve as shown with the large hex nut end towards your right.
- Position the bracket behind the valve and line up the bolt holes.
- Next locate the small bag with the bolts and washers.
- Pick up both bolts and place a lock washer and then a flat washer onto each.
- Insert the bolt through the valve into the bracket. Hand tighten it.
- Install and hand tighten the second bolt with its' washers into the valve and bracket.
- Next hand tighten the brake lines as shown.
- The next step can be done with the master cylinder either on or off of the brake booster or firewall.
- As a unit position the valve and bracket assembly up to the ports of the master cylinder.
- Hand tighten each line (Do Not Use Teflon tape) as you place the brackets on to their mount-ing studs which are in front of the master cylinder mounting ears.
- Use a flare nut or box end wrench to tighten the tube nuts on the brake lines.
- Place the mounting nut onto the studs which the proportioning valve mounts. Tighten it down.
- Connect the dash warning light connector to the factory harness.

### **TECH TIP**





### INSTALLING PROPORTIONING VALVE KIT (BOTTOM MOUNT AS SHOWN FIG. 2-3)

Verify that you have the following: 1 valve, 2 lines, 1 bracket, 1 harness connector, 1 bag that contains 2 bolts, 4 washers and 2 nuts (bottom mount only)

- Place the valve on its' edge with the white switch
- facing you on your work bench and position the valve as shown with the large hex nut end towards your right.
- Place the bracket and valve in the position shown.
- Position the bracket on top of the valve and line up the bolt holes.
- Next locate the small bag with the bolts and washers, and empty the parts onto the work bench.
- Pick up both bolts and place a lock washer and then a flat washer onto each.
- Be sure to have the bracket and valve in a position that allows you to insert the bolts through the valve and through the bracket.
- Push each bolt through the valve and bracket and secure the hex nuts. Hand tighten.
- Locate the brake lines.
- Identify which line will connect to which port on your master cylinder.
- If you have a dual bail wire master cylinder, the lines will mount side by side.
- If you have a single bail wire master cylinder, they cross in an X pattern. FIG. 3
- Next hand tighten the brake lines as shown onto the valve.
- The next step can be done with the master cylinder either on or off of the brake booster or firewall.
- As a unit position the valve and bracket assembly up to the ports of the master cylinder.
- Hand tighten each line (Do Not Use Teflon tape) as you place the brackets on to their mounting studs which are in front of the master cylinder mounting ears.
- Use a flare nut or box end wrench to tighten the tube nuts on the brake lines.
- Once satisfied with the brake line positions, finish tightening the valve's brackets bolts and nuts.
- Place the mounting nuts onto the studs which the proportioning valve bracket mounts & tighten it down.
- Connect the dash warning light connector to the factory harness.

#### **PROPORTIONING VALVE LINE ROUTING**

