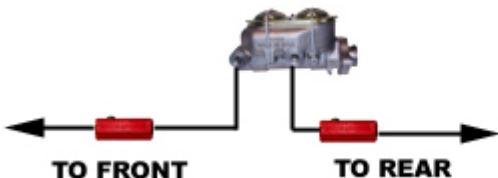


TYPICAL BRAKE SYSTEM CONFIGURATIONS

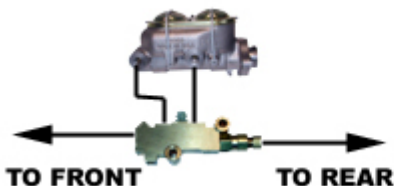
DRUM BRAKES FRONT AND REAR WITH MASTER ON FIREWALL OR UNDER FLOOR



DRUM BRAKES REQUIRE 10 POUND RESIDUAL VALVES TO BOTH THE FRONT AND REAR OF THE SYSTEM

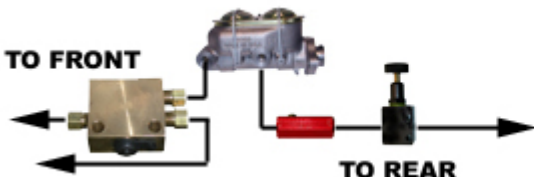
Drum brakes require a residual pressure to counteract the spring tension in the drum system which tends to pull the shoes away from the drums. This will give you a longer pedal travel and "spongy" brakes. The residual valve holds a pressure keeping the shoes near the drums giving a higher firmer pedal.

DISC BRAKES FRONT AND DRUMS REAR WITH MASTER ON FIREWALL



A COMBINATION VALVE IS THE EASIEST WAY TO PROPERLY BALANCE YOUR BRAKING SYSTEM

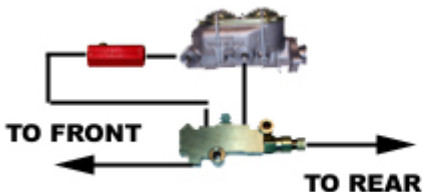
A disc/drum combination valve is the easiest way to properly balance your braking system. The combination valve is three valves in one. It provides metering to the front which prevents nose dive, proportioning to the rear which prevents rear wheel lock up and it also provides a residual valve to the rear which helps the rear drums to work efficiently.



WHEN USING AN ADJUSTABLE PROPORTIONING VALVE YOU WILL ALSO NEED TO USE A METERING VALVE TO THE FRONT AND A RESIDUAL TO THE REAR

Adjustable proportioning valves are acceptable but they are only part of the picture. When using an adjustable valve to the rear you will also need to use a 10 lb residual to the rear and a metering valve to the front (the metering valve prevents nose dive).

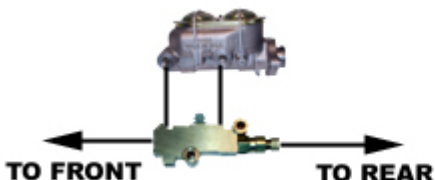
DISC BRAKES FRONT AND DRUMS REAR WITH MASTER UNDER FLOOR



THE BEST WAY TO PLUMB A DISC/DRUM SYSTEM WITH THE MASTER UNDER THE FLOOR IS WITH A COMBINATION VALVE AND A 2 LB RESIDUAL VALVE TO THE FRONT

The best way to plumb a disc/drum system when the master is under the floor is with a combination valve and then a 2 pound residual valve to the front which is needed to prevent fluid from flowing back from the calipers into the master. The 10 lb residual to the rear drums is built into the combination valve.

DISC BRAKES FRONT AND DISCS REAR WITH MASTER ON FIREWALL



FOUR WHEEL DISC BRAKES WITH THE MASTER CYLINDER ON THE FIREWALL WILL ONLY REQUIRE THE USE OF A FOUR WHEEL DISC COMBINATION VALVE

The best way to plumb a disc/disc system when the master is on the firewall is with a four wheel disc brake combination valve.