

# WILD HORSES

## FOUR WHEEL DRIVE

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## Proportioning Valve #3037 Date 07/12/04 rev. 0

### Parts

- 1 ea. prop valve
- 1 ea. #3039 fitting kit (optional)
- 1 ea. #3036 prop valve mounting bracket (optional)

### Hardware

- 2 ea. 5/16" x 2" bolts
- 2 ea. 5/16" nuts
- 4 ea. 5/16" washers

### Pressure differential valve feature:

The brake light switch is mounted on the top of the valve body above the Pressure Differential Valve. When the valve is in the centralized position, the spring-loaded plunger fits into the tapered groove on the differential spool. The switch contacts are open and the brake warning lamp on the dash is off. When a difference in pressure is sensed in either the front or rear braking system, the plunger will be displaced by the difference in pressure and the dash brake warning lamp will be turned on.

### Metering valve feature:

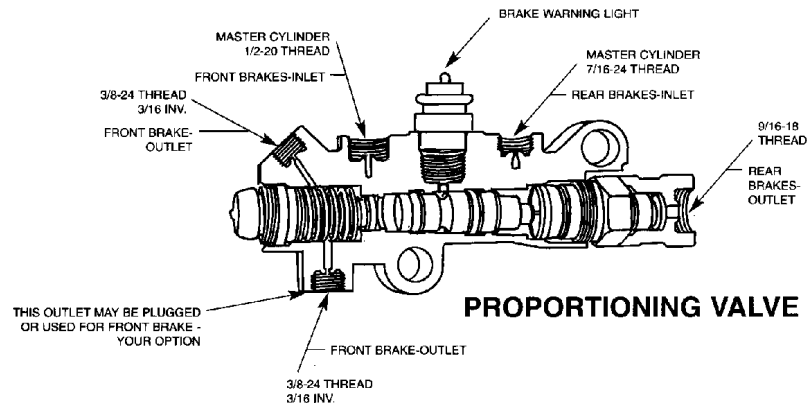
The Metering Valve is in the front of the valve body between the front inlet and front outlet.

### Proportioning valve feature:

The Proportioning Valve is in the bottom rear of the valve body. The Proportioning Valve regulates pressure to the rear brakes.

### Mounting instructions:

The valve body must be mounted lower than the level of the master cylinder. The valve can be mounted to the stock 76-77 prop valve mounting bracket which is located on the drivers side of the frame in the engine compartment under the steering shaft. For earlier models use our part #3036 prop valve mounting bracket. An alternative method is to mount the valve directly to the drivers side inner fender.



### Testing of proportioning valve

1. Using a test light, attach clip to a positive and touch the point of the tester to the electrical connection of the valve.
2. If **NO** light goes on, the valve system is operating correctly. No further testing is required.
3. If light does go on, this indicates the pressure differential valve is stuck in the front or rear position.
4. Bleed the brake system to determine which system, front or rear is getting proper flow of fluid; one system will squirt out of bleeder, the other system will trickle out.
5. The system with flow must be opened for flow to alter the pressure on the opposite side of the differential valve to center valve.
6. Slowly depress pedal with steady pressure until light goes out. When light goes out close bleeder.
7. Your system is now centered. Bleed complete system.