

Pressure Differential Switch Inspection

Meet NATEF Task: (A5-B-10) Inspect, test, and/or replace metering (hold-off) proportioning (balance), pressure differential, and combination valves. (P-3)

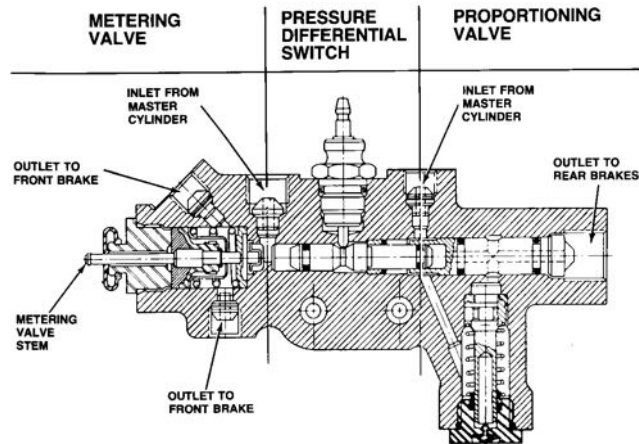
Name _____ Date _____ Time on Task _____

Make/Model/Year _____ VIN _____ Evaluation: 4 3 2 1

_____ 1. A pressure-differential switch is used on all vehicles built after 1967 with dual master cylinders to warn the driver of a loss of pressure in one of the two separate systems by lighting the dashboard red brake warning indicator lamp.

_____ 2. The brake lines from both the front and the rear sections of the master cylinder are sent to this switch which lights the brake warning indicator lamp in the event of a "difference in pressure" between the two sections.

_____ 3. A failure in one part of the brake system does not result in a failure of the entire hydraulic system. After the hydraulic system has been repaired and bled, moderate pressure on the brake pedal will center the piston in the switch and turn off the warning lamp.



_____ 4. If the lamp remains on, it may be necessary to:

- A. Apply light pressure to the brake pedal.
- B. Momentarily open the bleeder valve on the side that did not have the failure.

This procedure should center the pressure differential switch valve in those vehicles not equipped with self-centering springs.

_____ 5. State the vehicle manufacturer's recommended inspection, testing, and replacement procedures:
