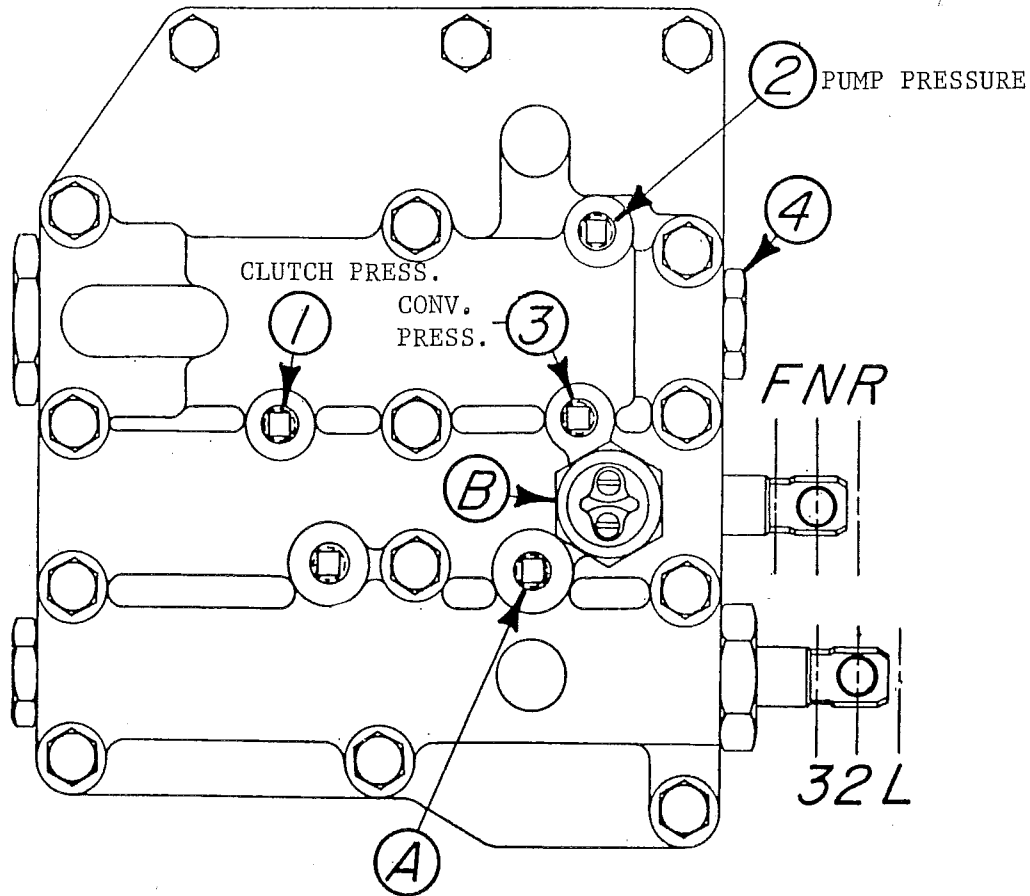


1000/1700 SERIES SHIFT-O-MATIC
CONTROL VALVE, FUNCTION
AND PRESSURE CHECK



THE PRESSURE CHECKS ARE TO BE MADE WITH THE TRANS. OIL TEMP AT 100° TO 140°.

STEP 1 - CLUTCH PRESSURE

- A. Install a 200 PSI gauge in Port #1.
- B. Run engine at approximately 2000 RPM.
- C. Engage each speed clutch forward and reverse, the clutch pressure should be within the span of 155 to 180 PSI for all clutches.
- D. If all clutches have low pressure, the pressure regulator valve should be checked, and adjusted if necessary.
 1. Remove cap Ref. #4 and remove the pressure regulator valve, dowel pin and spring.
 2. Check valve to be sure it works freely in the valve body.
 3. The pressure can be raised by adding the #4001651 spacer ring, as required, on the end of the valve next to the spring.

STEP 2 - CONVERTER CHARGE PRESSURE

- A. Install a 100 PSI gauge in Port #3.
- B. Run engine at approximately 2000 RPM.
- C. The pressure should be within the span of 40 to 70 PSI.

PORT A. Reverse warning switch for long (18-5/8) drop.

PORT B. Neutral start switch.