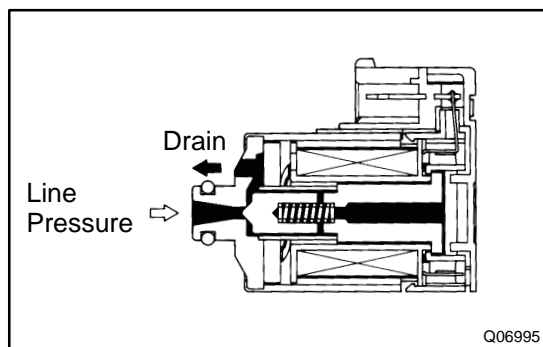


<b>DTC</b>	<b>P0770</b>	<b>Shift Solenoid "E" Malfunction (Shift Solenoid Valve SL)</b>
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## SYSTEM DESCRIPTION



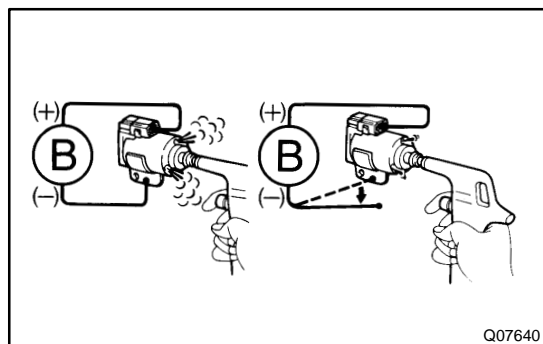
The ECM uses signals from the throttle position sensor, air-flow meter and to monitor the engagement condition of the lock-up clutch.

Then the ECM compares the engagement condition of the lock-up clutch with the lock-up schedule in the ECM memory to detect mechanical trouble of the shift solenoid valve SL, valve body and torque converter clutch.

DTC No.	DTC Detecting Condition	Trouble Area
P0770	Lock-up does not occur when driving in the lock-up range (normal driving at 80 km/h (50 mph)), or lock-up remains ON in the lock-up OFF range. (2 trip detection logic)	<ul style="list-style-type: none"> <li>• Shift solenoid valve SL is stuck open or closed</li> <li>• Valve body is blocked up or stuck</li> <li>• Lock-up clutch</li> </ul>

## INSPECTION PROCEDURE

<b>1</b>	<b>Check shift solenoid valve SL operation.</b>
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### PREPARATION:

Remove the shift solenoid valve SL from valve body.

### CHECK:

- Applying 490 kPa (5 kgf/cm<sup>2</sup>, 71 psi) of compressed air, check that the solenoid valve does not leak air.
- When battery positive voltage is supplied to the shift solenoid valve, check it opens.

**NG**

**Replace shift solenoid valve SL.**

**OK**

2	Check valve body (See page <a href="#">DI-314</a> ).
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**NG****Repair or replace valve body.****OK****Replace torque converter clutch (See page AT-25).**