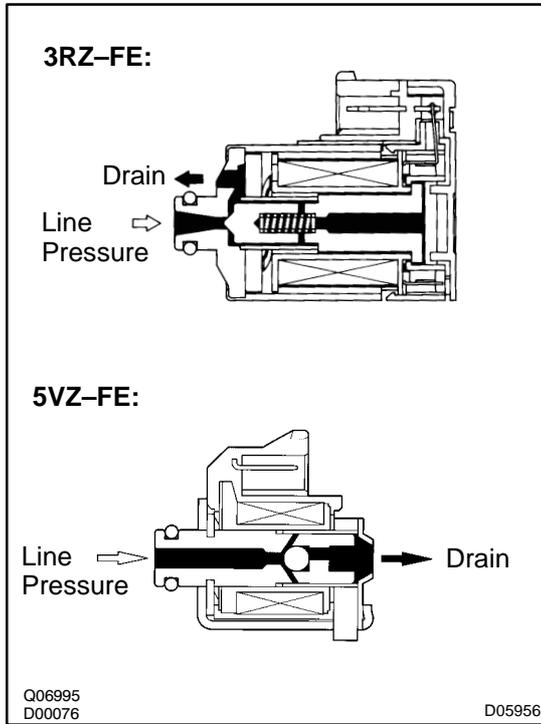


DTC	P0741	Torque Converter Clutch Solenoid Performance (Shift Solenoid Valve SL)
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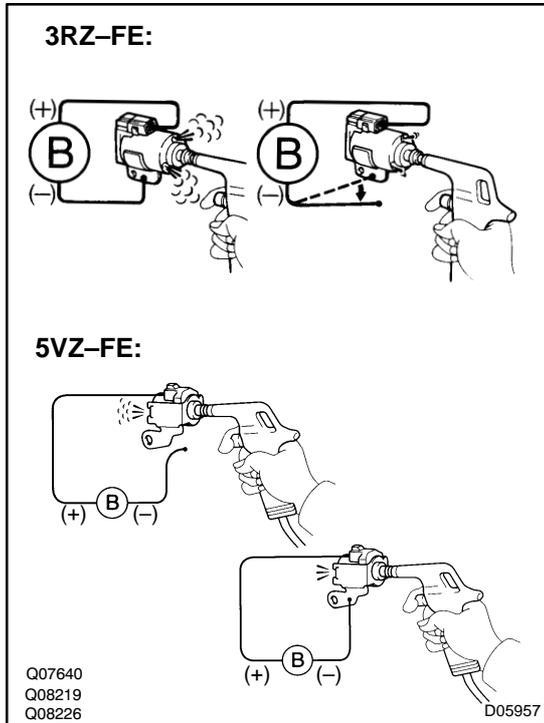
SYSTEM DESCRIPTION

The ECM uses the signals from the throttle position sensor, air-flow meter and crankshaft position sensor 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 a mechanical trouble of the shift solenoid valve SL, valve body and torque converter clutch.

DTC No.	DTC Detection Condition	Trouble Area
P0741	Lock-up does not occur when vehicle is driven 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"> • Shift solenoid valve SL is stuck open or closed • Valve body blocked up or stuck • Lock-up clutch

INSPECTION PROCEDURE

1 Check shift solenoid valve SL operation.



PREPARATION:

- (a) Remove the oil pan.
- (b) Remove the shift solenoid valve SL.

CHECK:

- (a) Apply the 490 kPa (5 kgf/cm², 71 psi) of compressed air to check that the solenoid valve does not leak air.
- (b) When battery voltage is applied to the shift solenoid valve, check that the solenoid valve opens.

OK:

- (a): Solenoid valve does not leak air.
- (b): Solenoid valve opens.

NG Replace solenoid valve SL.

OK

2 Check valve body (See page [DI-476](#)).

NG Repair or replace valve body.

OK

Replace torque converter clutch
(See page [AT-22](#) or [AT-28](#)).