DIAVL–01

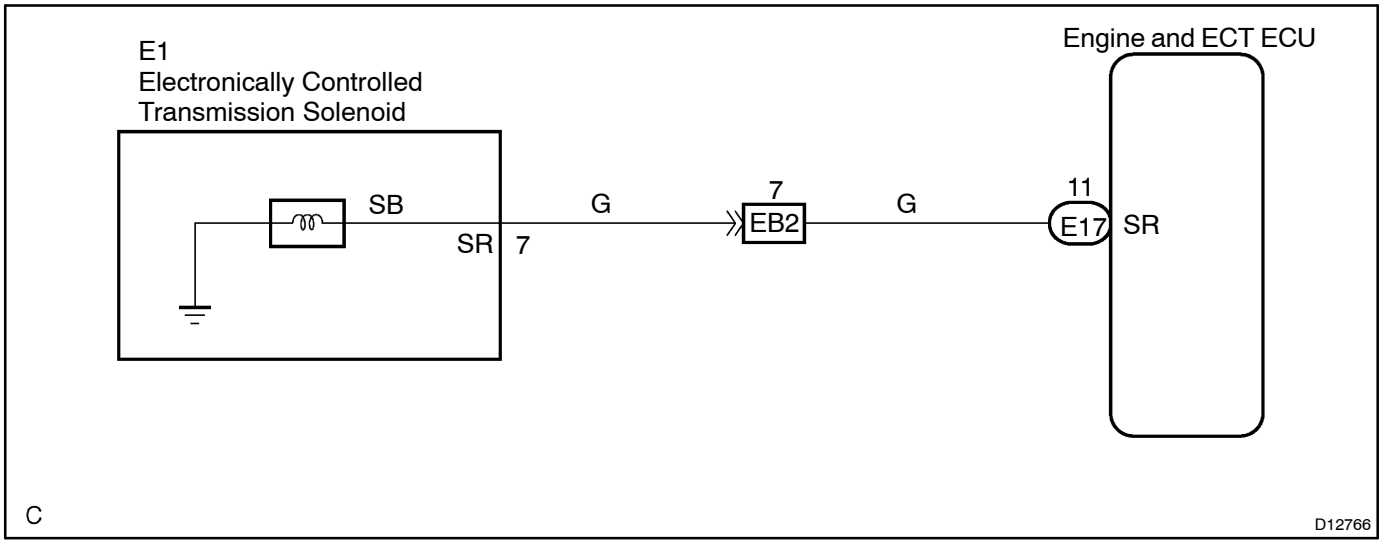
DTC	74	Shift Solenoid ”E” Electrical (SR)

CIRCUIT DESCRIPTION

See page DI–135.

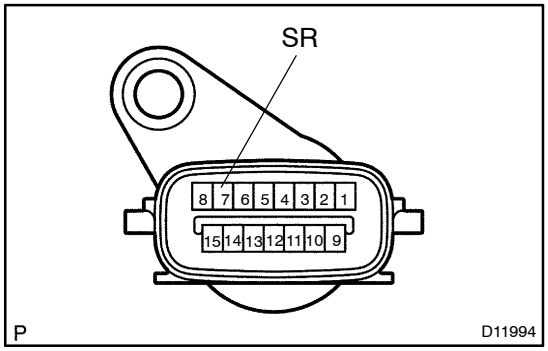
DTC No.	DTC Detection Condition	Trouble Area
74	Engine and ECT ECU detects open or short in shift solenoid valve SR circuit 2 times when solenoid valve SR is not operated (1 –trip detection logic)	• Open or short in shift solenoid valve SR circuit • Shift solenoid valve SR • Engine and ECT ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

1	**Check transmission wire.**

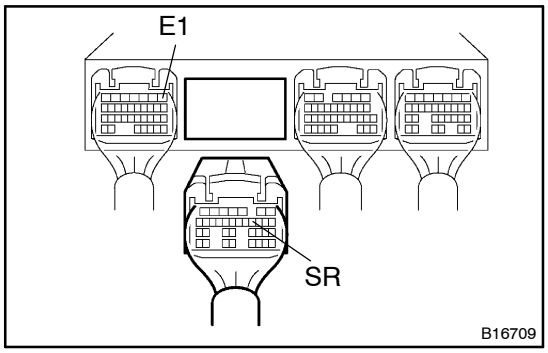


PREPARATION:
Disconnect the transmission wire connector.
CHECK:
Measure resistance between SR of transmission wire connector and body ground.
OK:
Resistance: 11 – 15 Ω at 20°C (68°F)

NG → **Go to step 3.**

OK

2	**Measure resistance between terminal SR and E1 of Engine and ECT ECU connector.**



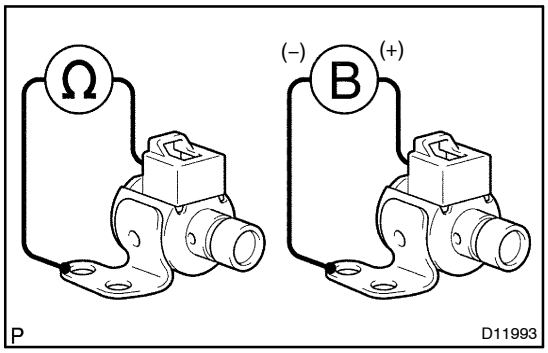
PREPARATION:
(a) Connect the transmission wire connector.
(b) Disconnect the connector of the Engine and ECT ECU.
CHECK:
Measure resistance between terminals SR and E1 of Engine and ECT ECU connector.
OK:
Resistance: 11 – 15 Ω at 20°C (68°F)

NG → **Repair or replace the harness or connector (See page IN–38).**

OK

Check and replace the Engine and ECT ECU (See page IN–38).

3	Check shift solenoid valve SR.



PREPARATION:

(a) Jack up the vehicle.
(b) Remove the oil pan.
(c) Remove the shift solenoid valve SR.

CHECK:

Measure the resistance between the solenoid connector terminal and the body ground.

OK:

Resistance: 11 – 1 5 Ω at 20 °C (68 °F)

CHECK:

Connect the battery positive lead to the solenoid connector terminal and the battery negative lead to the solenoid body ground.

OK:

Solenoid sounds operation noise.

NG → **Replace the shift solenoid valve SR (See page AT–8).**

OK

Repair or replace the transmission wire (See page AT–6).