DIAVK–01

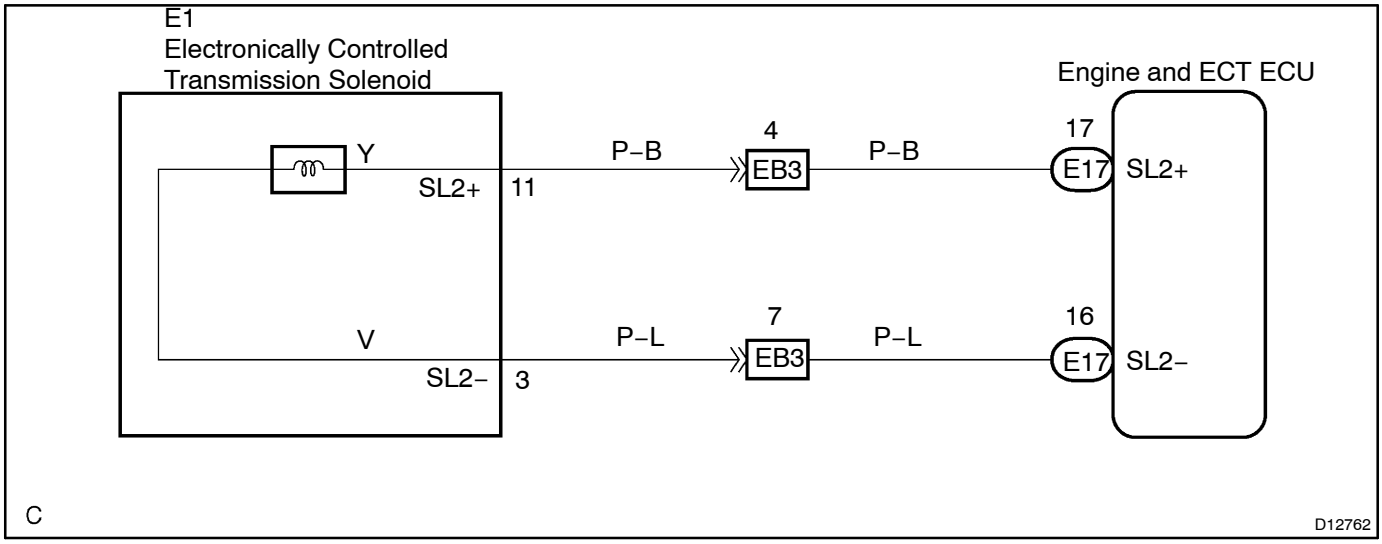
| DTC | 63(3) | Pressure Control Solenoid ”B” Electrical (Shift Solenoid Valve SL2) |
|---|---|---|

## CIRCUIT DESCRIPTION

See page DI–135.

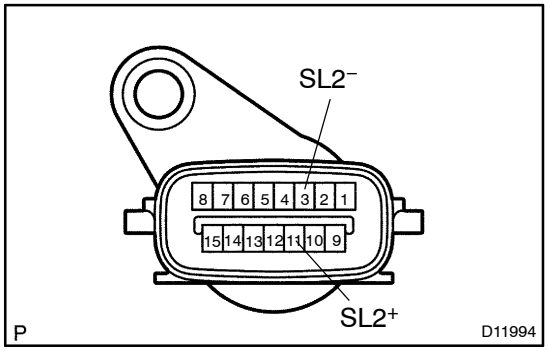
| DTC No. | DTC Detection Condition | Trouble Area |
|---|---|---|
| 63(3) | Engine and ECT ECU checks for an open or short circuit in shift solenoid valves SL2 (1–trip detection logic)<br>(a) When solenoid is energized, duty ratio exceed 75%<br>(b) When solenoid is not energized, duty ratio is less than 3% | • Open or short in shift solenoid valve SL2 circuit<br>• Shift solenoid valve SL2<br>• Engine and ECT ECU |

## WIRING DIAGRAM



## INSPECTION PROCEDURE

| | |
|---|---|
| 1 | **Check transmission wire.** |

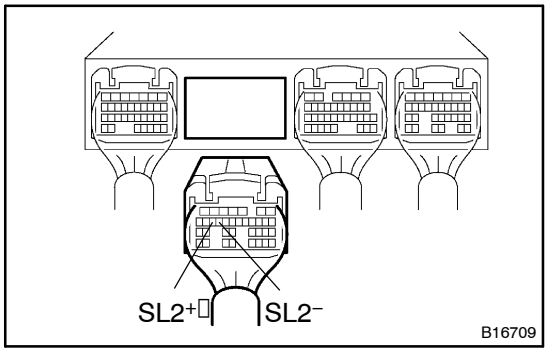



**PREPARATION:**
Disconnect the transmission wire connector.
**CHECK:**
Measure resistance between SL2+ and SL2– of transmission wire.
**OK:**
**Resistance: 5.0 – 5.6 Ω at 20°C (68°F)**
**CHECK:**
Measure resistance between terminals SL2+ and SL2– of the transmission wire connector and body ground.
**OK:**
**Resistance: 1 MΩ or higher**

| | |
|---|---|
| NG | **Go to step 3.** |

OK

| | |
|---|---|
| 2 | **Measure resistance between terminal SL2+ and SL2– of Engine and ECT ECU connector.** |



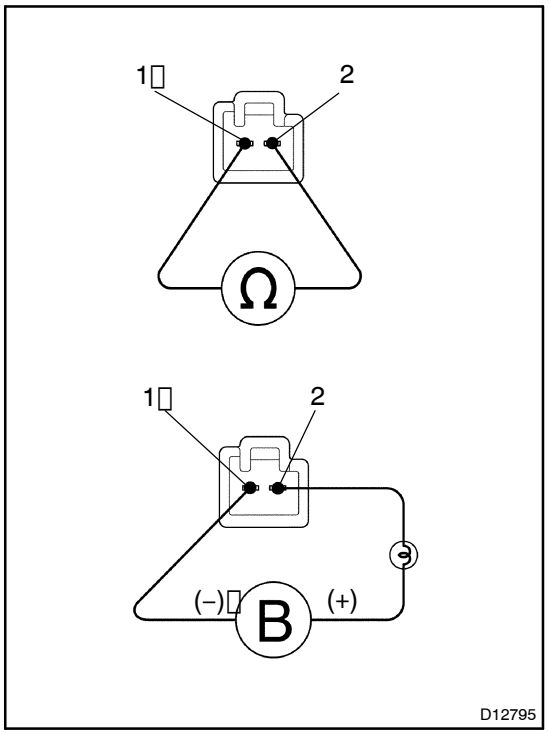

**PREPARATION:**
(a) Connect the transmission wire connector.
(b) Disconnect the connector of the Engine and ECT ECU.
**CHECK:**
Measure resistance between terminals SL2+ and SL2– of Engine and ECT ECU connector.
**OK:**
**Resistance: 5.0 – 5.6 Ω at 20°C (68°F)**
**CHECK:**
Measure resistance between terminals SL2+ and SL2– of the Engine and ECT ECU connector and body ground.
**OK:**
**Resistance: 1 MΩ or higher**

| | |
|---|---|
| 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 SL2. |
|---|---|




**PREPARATION:**

(a) Jack up the vehicle.
(b) Remove the oil pan.
(c) Remove the shift solenoid valve SL2.

**CHECK:**

(a) Measure the resistance between terminals 1 and 2 of solenoid connector.
**Standard: 5.0 – 5.6 Ω at 20°C (68°F)**
(b) Connect the positive (+) lead with an 21 W bulb to terminal 2 of solenoid connector and negative (–) lead to terminal 1 of the solenoid valve connector, then check the movement of the valve.
**Standard: Solenoid sounds operation noise.**

**OK:**

**Standard**

NG → **Replace the shift solenoid valve SL2 (See page AT–8).**

OK →

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