

The L4 position switch detects the gear position of the transfer. Shifting the transfer shift lever into L4 turns L4 position switch ON. After turning on the L4 position switch, Engine and ECT ECU (2UZ-FE, 1FZ-FE) or ECT ECU (1HZ, 1HD-T, 1HD-FTE) changes the transmission shift schedule.

***3** Engine and ECT ECU
***6** ECT ECU

J26 Junction Connector

J8 Junction Connector

Cowl Side J/B

Engine Room J/B

Fusible Link Block

Battery

Transfer L4 Position Switch

Ignition Switch

IG1 No.1 Relay

AM1 No.2

AM1 No.1

GAUGE

L4

E5, **E4**, **E13**, **E11**

IN1, **EB1**, **IG1**, **ALT**, **F17**, **F1**, **I26**

A, **B**, **R-L**, **L-B**, **B-R**, **B-L**

***1**, ***2**, ***3**, ***4**, ***5**, ***6**, ***7**, ***8**, ***9**, ***10**, ***11**, ***12**

J30 Junction Connector

J13 Junction Connector

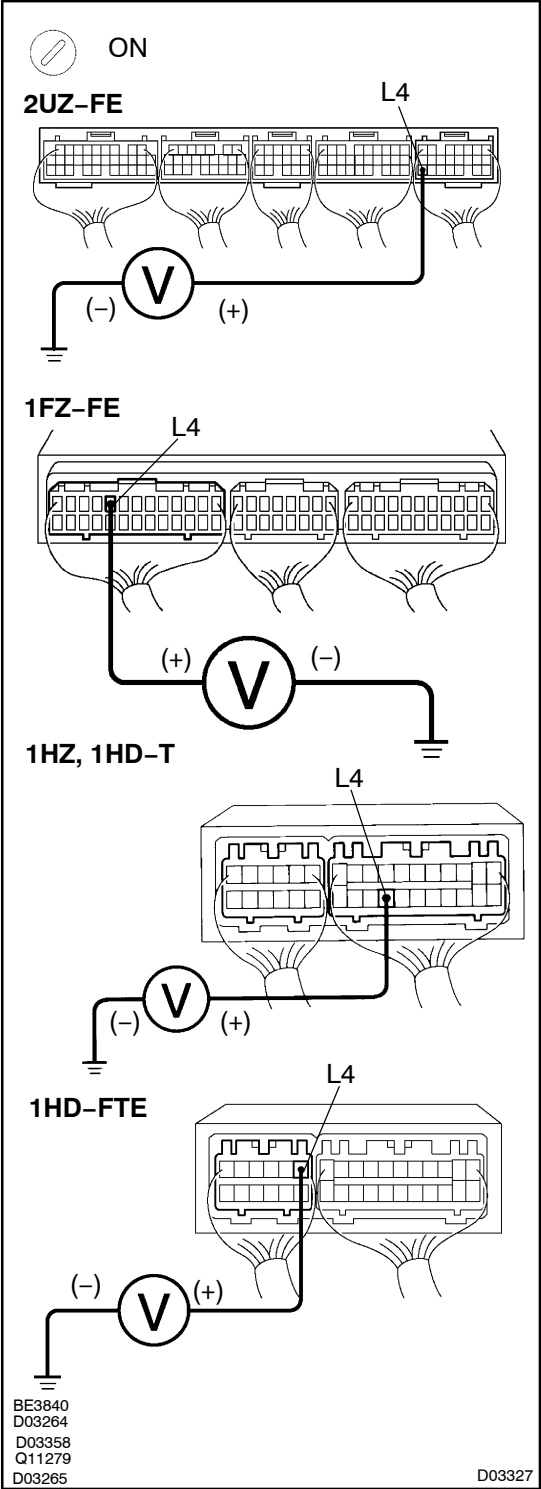
D2

EE

D039

INSPECTION PROCEDURE

1	Check voltage between terminal L4 of Engine and ECT ECU or ECT ECU and body ground.
---	---



PREPARATION:

- (a) Remove the glove compartment door
(See page BO-127).
- (b) Turn the ignition switch ON.

CHECK:

Check voltage between terminal L4 of the Engine and ECT ECU or ECT ECU and body ground.

OK:

Transfer shift lever position	Voltage
L4 position	9.0 - 14 V
Except L4 position	Below 1.5 V

OK

Proceed to next circuit inspection shown in symptom problem table (See page DI-108).

NG

- | | |
|----------|---|
| 2 | Check L4 position switch (Full – Time 4WD: See page TR-10, Part – Time 4WD: See page TR-13). |
|----------|---|

NG

Replace the L4 position switch.

OK

- | | |
|----------|---|
| 3 | Check harness and connector between and L4 position switch, L4 position switch and Engine and ECT ECU or ECT ECU (See page IN-35). |
|----------|---|

NG

Repair or replace the harness or connector.

OK

Check and replace Engine and ECT ECU or ECT ECU ([See page IN-35](#)).