

CIRCUIT DESCRIPTION

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 changes the transmission shift schedule.

Engine and ECT ECU

L4

L4 Position Switch

2 1 B-L 3 B-L 2

D2 D2 EB1 IN1

R-L

11 EB1

R-L

1 IN1

R-L

*1

*2

B-L

A

A

J26 Junction Connector

Cowl Side J/B

2 GAUGE 1

2D 2H

B

Engine Room J/B

IG1 No.1 Relay

1 2 3 4

14 1E

15 1E

AM1 No.2

AM1 No.1

2 1

10

Fusible Link Block

2 F17

B

Battery

EE

*1 J15 Junction Connector

*2 J13 Junction Connector

L-B

A

A

L-B

6 IG1

L-B

4 2

I26 I26

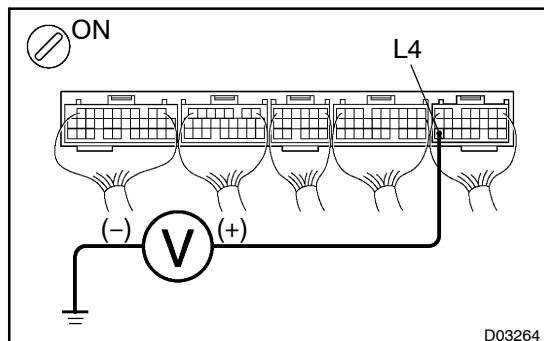
B-R

1 IG1

B-R

INSPECTION PROCEDURE

- | | |
|---|---|
| 1 | Check voltage between terminal L4 of Engine and 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 and body ground.

OK:

9.0 – 14 V

OK

Proceed to next circuit inspection shown in symptom problem table (See page DI-22).

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

OK

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

OK

**Check and replace Engine and ECT ECU
(See page IN-35)**