

## Transmission Control Switch Circuit

### CIRCUIT DESCRIPTION

When the shift lever is in the 4 range (with transmission control switch for D and 4 pressed), "4" in the shift position indicator light will come on and when the shift lever is in the D range (with transmission control switch for D and 4 released), "D" in the shift position indicator light will come on.

When the shift lever is in the L range (with transmission control switch for 2 and L pressed), "L" in the shift position indicator light will come on and when the shift lever is in the 2 range (with transmission control switch for 2 and L released), "2" in the shift position indicator light will come on.

### WIRING DIAGRAM

See [page DI-230](#).

### INSPECTION PROCEDURE

- |   |  |
|---|--|
| 1 | <b>Check operation of transmission control switch.</b> |
|---|--|

#### **PREPARATION:**

Turn ignition switch ON.

#### **CHECK:**

Check shift indicator light when the shift lever is in the each range.

#### **OK:**

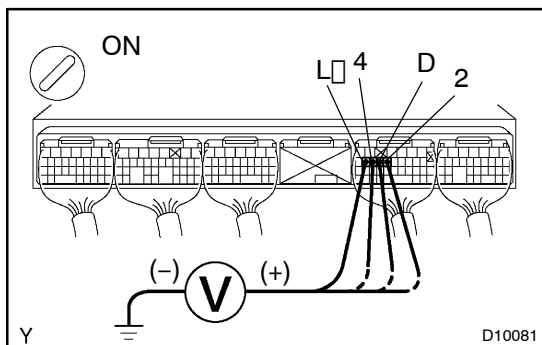
Shift lever range	Specified condition
D	"D" indicator light comes on
Except D	"D" indicator light goes off
4	"4" indicator light comes on
Except 4	"4" indicator light goes off
2	"2" indicator light comes on
Except 2	"2" indicator light goes off
L	"L" indicator light comes on
Except L	"L" indicator light goes off

**OK**

**Go to step 4.**

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**2** Check voltage between each terminals of D, 4, 2 and L of Engine & ECT ECU and body ground.



**PREPARATION:**

Remove the Engine & ECT ECU with connector S still connected.

**CHECK:**

- Turn ignition switch ON.
- Check voltage between each terminals of D, 4, 2 and L of Engine & ECT ECU and body ground.

**OK:**

Tester connection	Shift lever range	Specified condition
D - Body ground	D or 4	9 - 14 V
	Except D and 4	Below 1.5 V
4 - Body ground	4	9 - 14 V
	Except 4	Below 1.5 V
2 - Body ground	2 or L	9 - 14 V
	Except 2 and L	Below 1.5 V
L - Body ground	L	9 - 14 V
	Except L	Below 1.5 V

OK

Proceed to next circuit inspection shown in problem symptoms table (See page DI-191).

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**3** Check harness and connector between battery and Engine & ECT ECU, Engine & ECT ECU and shift indicator light (See page N-35).

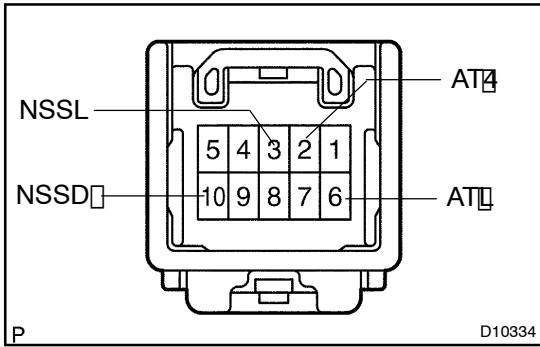
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Repair or replace harness or connector.

OK

Check and replace Engine & ECT ECU (See page N-35).

#### 4 Check transmission control switch.



#### CHECK:

- Disconnect the shift lock control unit assembly.
- Check continuity between each terminal of shift lock control unit connector.

#### OK:

Shift position	Tester connection	Specified value
D	2 - 10 (AT4 - NSSD)	No continuity
4		Continuity
2	3 - 6 (NSSL - AT1)	No continuity
L		Continuity

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Replace shift lock control unit assembly.

OK

Check and replace combination meter (See combination meter troubleshooting section on [page BE-14](#)).