

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.

When the shift lever is in 4 range, the Engine & ECT ECU prohibits shifting to 5th.

WIRING DIAGRAM

See page DI-192.

INSPECTION PROCEDURE

- 1
- Check operation of transmission control switch.

PREPARATION:

Turn ignition switch ON.

CHECK:

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

OK:

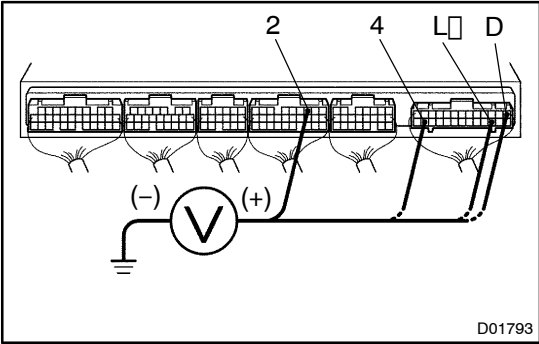
Shift lever range	Specified condition
D	"D" indicator light comes on
Except D	"D" indicator light goes off
4	"4" indicator light comes on
Except 4	"4" indicator light goes off
2	"2" indicator light comes on
Except 2	"2" indicator light goes off
L	"L" indicator light comes on
Except L	"L" indicator light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

OK

Proceed to next circuit inspection shown in problem symptoms table (See page DI-161).

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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:

- (a) Turn ignition switch ON.
- (b) 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-151).

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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-29).

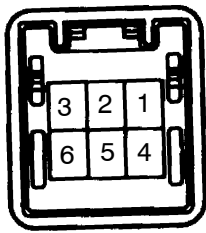
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Repair or replace harness or connector.

OK

Check and replace Engine & ECT ECU (See page N-29).

4 Check transmission control switch.



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CHECK:

- (a) Disconnect the transmission control switch connector.
- (b) Check continuity between each terminal of transmission control switch connector.

OK:

Shift range	Tester condition	Specified valve
D	1 – 2	No continuity
4	1 – 2	Continuity
2	4 – 5	No continuity
L	4 – 5	Continuity

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Replace transmission control switch.

OK

Check and replace combination meter (See combination meter troubleshooting section on [page BE-3](#)).