

Transmission Control Switch Circuit

CIRCUIT DESCRIPTION

When the shift lever is in the 4 position (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 position (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 position (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 position (with transmission control switch for 2 and L released), "2" in the shift position indicator light will come on.

WIRING DIAGRAM

See page [DI-472](#).

INSPECTION PROCEDURE

1	Check operation of transmission control switch.
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PREPARATION:

Turn ignition switch ON.

CHECK:

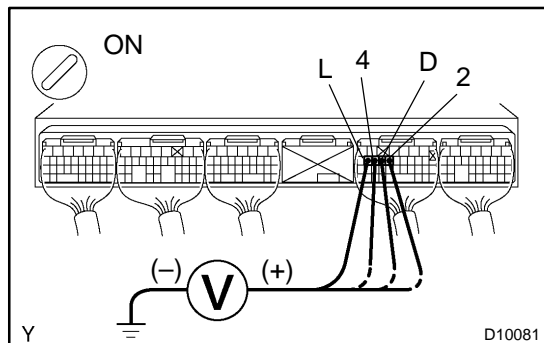
Check shift indicator light when the shift lever is in the each position.

OK:

Shift lever position	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.****NG**

2 Check voltage between each terminals of D, 4, 2 and L of ECM and body ground.



PREPARATION:

Remove the ECM with connectors still connected.

CHECK:

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

OK:

Tester connection	Shift lever position	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-433](#)).

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3 Check harness and connector between battery and ECM, ECM and shift indicator light (See page [IN-32](#)).

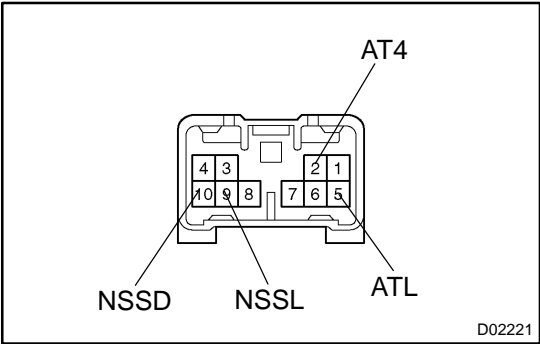
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Repair or replace harness or connector.

OK

Check and replace ECM
(See page [IN-32](#)).

4 Check transmission control switch.



CHECK:

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

OK:

Shift position	Tester connection	Specified value
D	10 – 2 (NSSD – AT4)	No continuity
4		Continuity
2	9 – 5 (NSSL – ATL)	No continuity
L		Continuity

NG

Replace shift lock control unit assembly.

OK

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