

E-shift Main Switch Circuit

CIRCUIT DESCRIPTION

When the shift lever is in the M range (with E-shift main switch for D and M pressed), "M" in the shift position indicator light will come on and when the shift lever is in the D position (with E-shift main switch for D and M released), "D" in the shift position indicator light will come on.

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

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

WIRING DIAGRAM

See [page DI-261](#).

INSPECTION PROCEDURE

- | | |
|---|--|
| 1 | Check operation of E-shift main switch. |
|---|--|

PREPARATION:

Turn the ignition switch ON.

CHECK:

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

OK:

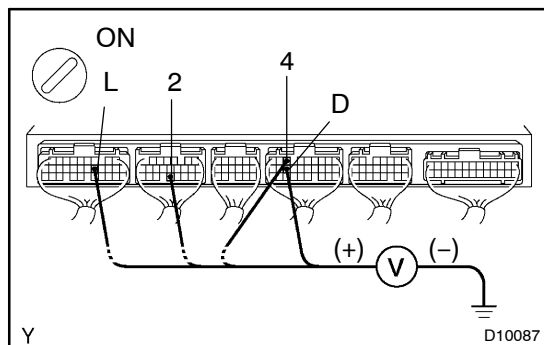
Shift Lever Position	Specified Condition
D	"D" indicator light comes on
Except D	"D" indicator light goes off
M	"M" indicator light comes on
Except M	"M" indicator light goes off
2	"2" indicator light comes on
Except 2	"2" indicator light goes off
L	"L" indicator light comes on
Except L	"L" indicator light goes off

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Go to step 4.

OK

- 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 connectors still connected.

CHECK:

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

OK:

Tester connection	Shift lever position	Specified condition
D - Body ground	D or M	7.5 - 14 V
	Except D and M	Below 1.5 V
4 - Body ground	M	7.5 - 14 V
	Except M	Below 1.5 V
2 - Body ground	2 or L	7.5 - 14 V
	Except 2 and L	Below 1.5 V
L - Body ground	L	7.5 - 14 V
	Except L	Below 1.5 V

OK

Proceed to next circuit inspection shown in problem[symptom]table[(See[page]DI-240)].

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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-30)].**

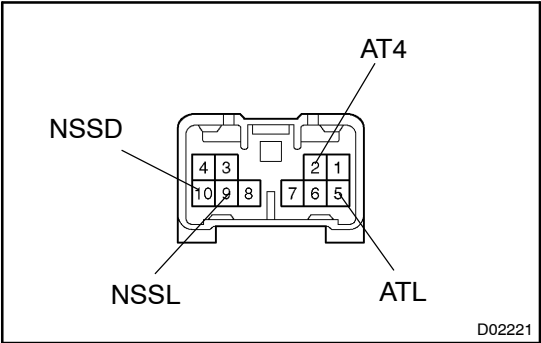
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Repair or replace harness or connector.

OK

Check and replace Engine & ECT ECU[(See[page]N-30)].

4 Check E-shift main switch.



CHECK:

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

OK:

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

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Replace E-shift main switch.

OK

Check and replace combination meter (See combination meter troubleshooting section on [page BE-11](#)).