

E-shift Main Switch Circuit

CIRCUIT DESCRIPTION

When the shift lever is in the M position (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 4 or M position, the ECM prohibits shifting to 5th.

WIRING DIAGRAM

See page [DI-401](#).

INSPECTION PROCEDURE

1	Check operation of E-shift main switch.
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PREPARATION:

Turn the ignition switch ON.

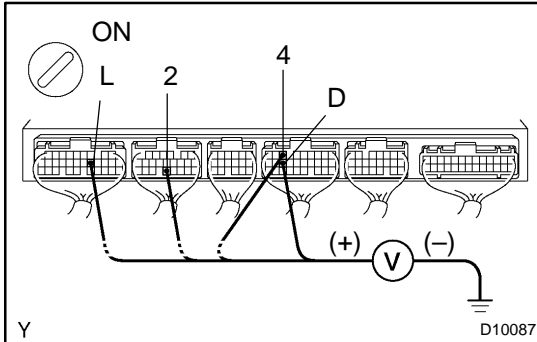
CHECK:

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

NG**Go to step 4.****OK**

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

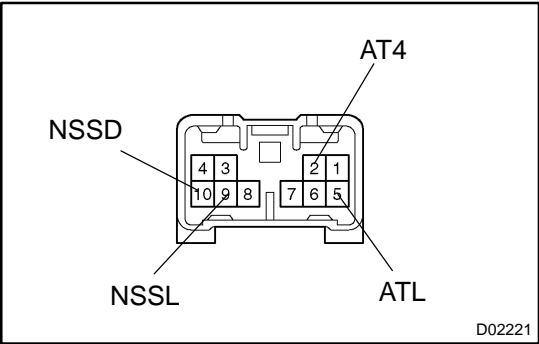
OK:

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-362).****NG****3****Check harness and connector between battery and ECM, ECM and shift indicator light (See page IN-32).****NG****Repair or replace harness or connector.****OK****Check and replace ECM (See page IN-32).**

4

Check E-shift main 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](#)).