

## 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 range (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 range (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 range (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 and ECT ECU prohibits shifting to 5th.

### WIRING DIAGRAM

See page DI-231.

### 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 range.

#### OK:

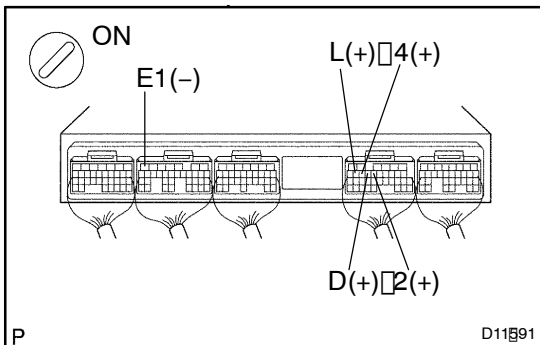
Shift Lever Range	Specified Condition
D	"D" indicator light comes on
Except D	"D" indicator light goes off
M	"M" indicator light comes on
Except M	"M" indicator light goes off
2	"2" indicator light comes on
Except 2	"2" indicator light goes off
L	"L" indicator light comes on
Except L	"L" indicator light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

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Check the combination meter  
(See page BE-2).

OK

2 Check voltage between each terminals of D, 4, 2, L and E1 of Engine and ECT ECU and body ground.

**PREPARATION:**

Remove the Engine and ECT ECU with connectors still connected.

**CHECK:**

- Turn ignition switch ON.
- Check voltage between each of terminals of D, 4, 2, L, and E1 of Engine and ECT ECU.

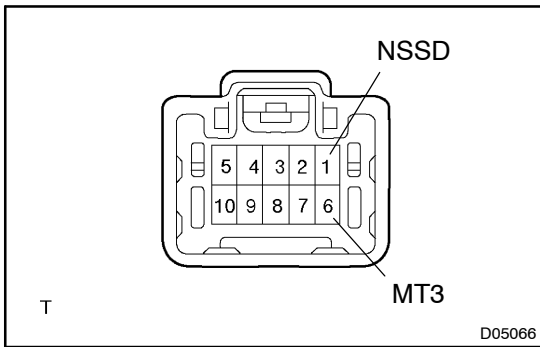
**OK:**

Tester Connection	Shift Lever Range	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-190).

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**3 Check E-shift main switch.****PREPARATION:**

Disconnect the shift lock control computer connector and E-shift main switch connector.

**CHECK:**

Check continuity between each terminal of shift lock control computer and E-shift main switch.

**OK:**

Shift range	Tester connection	Specified valve
P	1 - 6 (NSSD - MT3)	No continuity
M		Continuity
2	4 - 5 (NSSL - MTL)	No continuity
L		Continuity

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**Replace the E-shift main switch (See page AT-24).**

**OK**

**Repair or replace the harness or connector (See page N-34).**