DI2LG–02

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.

WIRING DIAGRAM

See page DI–333.

INSPECTION PROCEDURE

1	Check operation of transmission control switch.

PREPARATION:
Turn ignition switch ON.

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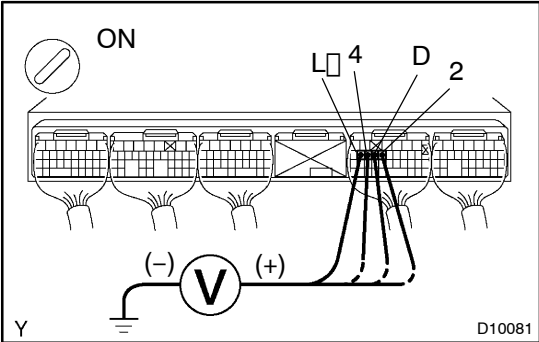Check shift indicator light when the shift lever is in the each range.

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 ⟩ **Go to step 4.**

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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 connectors 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–294).

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3	Check harness and connector between battery and Engine & ECT ECU, Engine & ECT ECU and shift indicator light (See page IN–30).

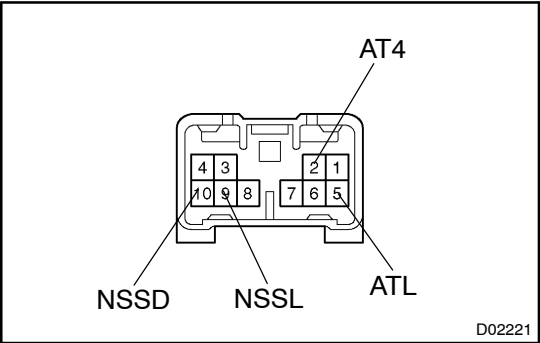| NG	Repair or replace harness or connector.

OK

Check and replace Engine & ECT ECU (See page IN–30).

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	2 – 10 (AT4 – NSSD)	No continuity
4		Continuity
2	5 – 9 (ATL – NSSL)	No continuity
L		Continuity

NG >	**Replace shift lock control unit assembly.**

OK

Check and replace combination meter (See combination meter troubleshooting section on page IN−30).