

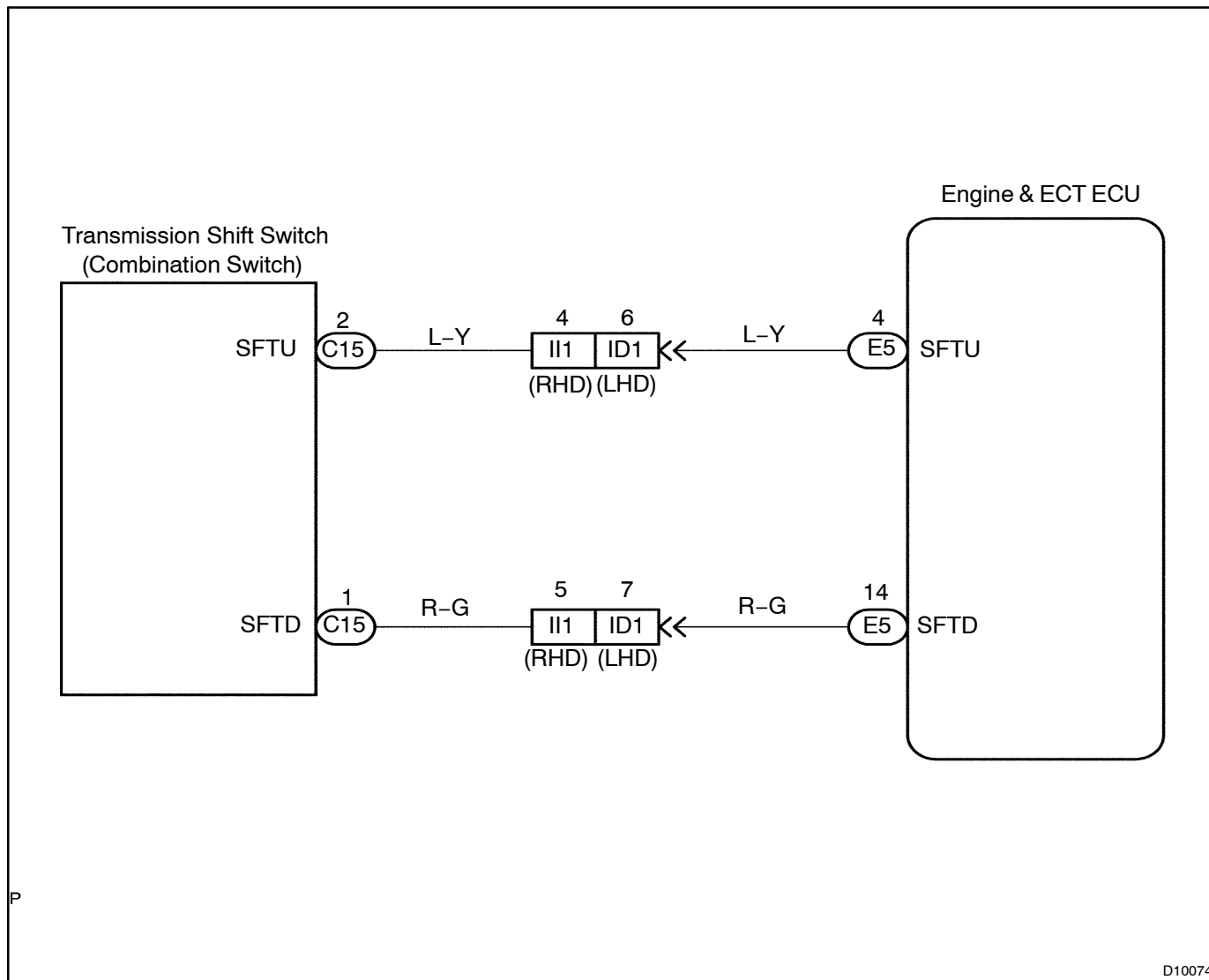
Transmission Shift Switch Circuit

CIRCUIT DESCRIPTION

When shifting the shift lever in M range, using the transmission shift switch, it is possible to shift in 2 – 5 ranges.

Pressing "Up switch" once shifts up 1 range, "Down switch" once shifts down 1 range respectively.

WIRING DIAGRAM



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D10074

INSPECTION PROCEDURE

1 Check the shift lock control unit assembly. (See page AT-9).

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Replace the shift lock control unit assembly.

OK

2 Check operation of transmission shift switch.

PREPARATION:

- (a) Turn the ignition switch ON.
- (b) Shift the shift lever into the M range.

CHECK:

Check the odo trip display panel when the transmission shift switch is pressed.

OK:

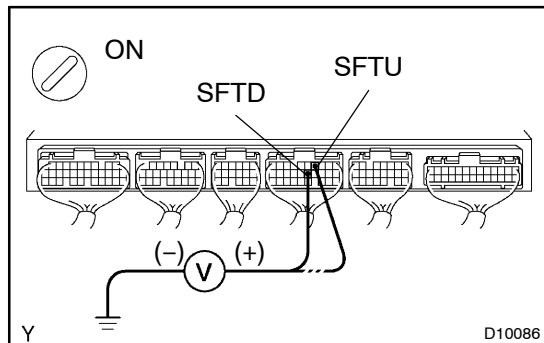
Switch condition	Odo trip display panel
"Up" switch press	Shift up
"Down" switch press	Shift down

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Go to step 5.

OK

3 Check voltage between each of terminals SFTU and SFTD of Engine & ECT ECU and body ground.



PREPARATION:

- Turn ignition switch ON.
- Remove the Engine & ECT ECU with connectors still connected.

CHECK:

Check voltage between each terminals of SFTU and SFTD of ECM and body ground.

OK:

Switch condition	Tester connection	Specified condition
"Up" switch held pressing	SFTU – Body ground	7 – 12 V
"Up" switch released		Below 3 V
"Down" switch held pressing	SFTD – Body ground	7 – 12 V
"Down" switch released		Below 3 V

OK

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

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4 Check harness and connector between battery and Engine & ECT ECU, Engine & ECT ECU and odometer trip display panel (See page IN-30).

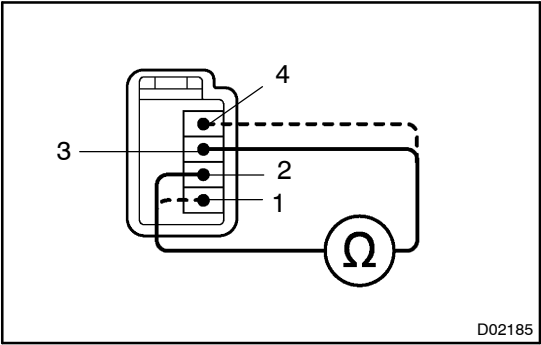
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Repair or replace harness or connector.

OK

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

5 Check transmission shift switch.



PREPARATION:

- (a) Remove the steering wheel pad.
- (b) Disconnect the transmission shift switch connector.

CHECK:

Check continuity between each terminal of transmission shift switch connector.

OK:

Switch condition	Tester connection	Specified value
"Up" switch pressed	1 – 4	No continuity
"Up" switch released		Continuity
"Down" switch pressed	2 – 3	No continuity
"Down" switch released		Continuity

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Replace the steering wheel.

OK

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