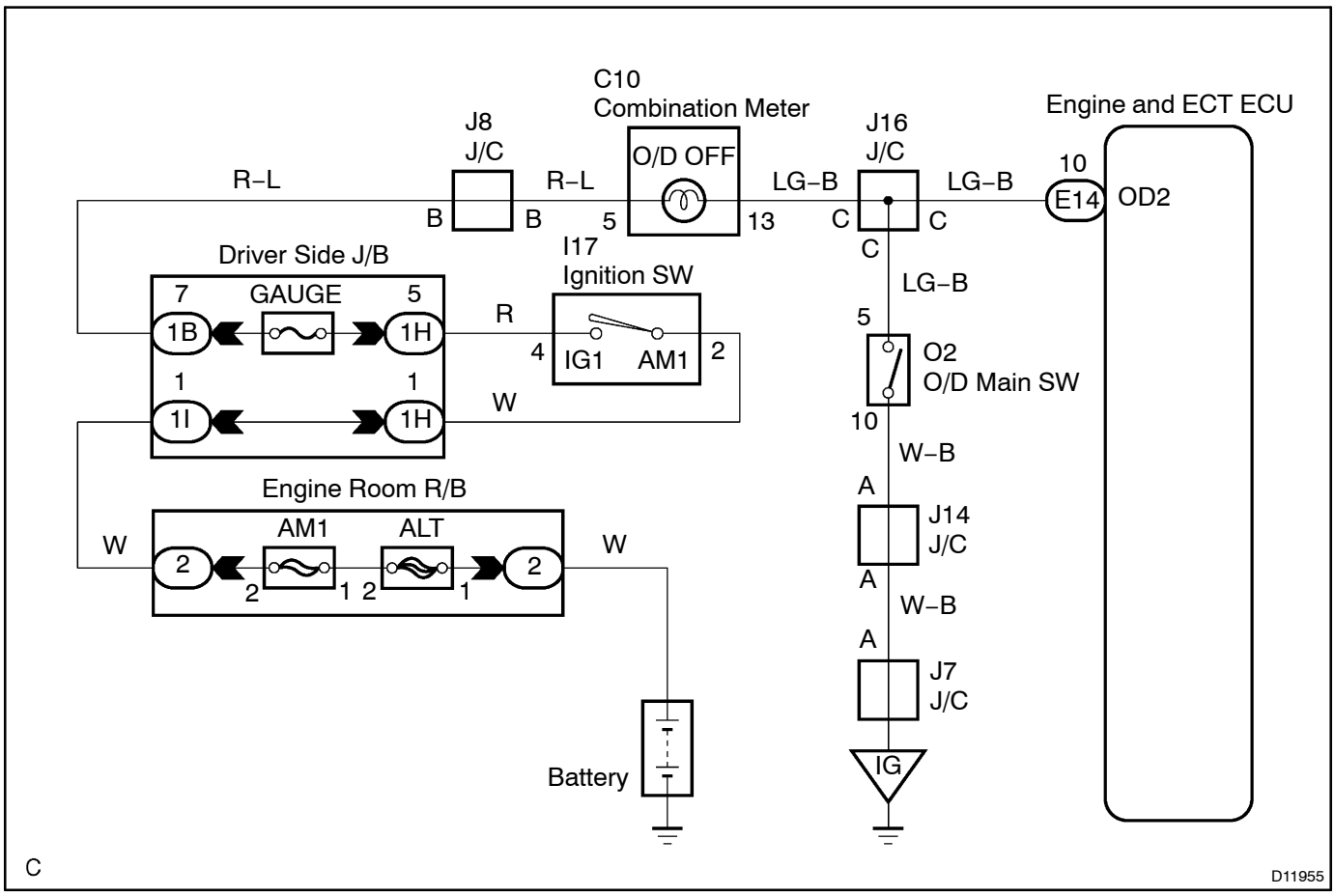
O/D Main Switch & O/D OFF Indicator Light Circuit

CIRCUIT DESCRIPTION

The O/D main switch contacts go open when the switch is pushed in and go closed when it is pushed out. In O/D main switch at OFF position, the O/D OFF indicator light lights up, and the Engine & ECT ECU prohibits shifting O/D.

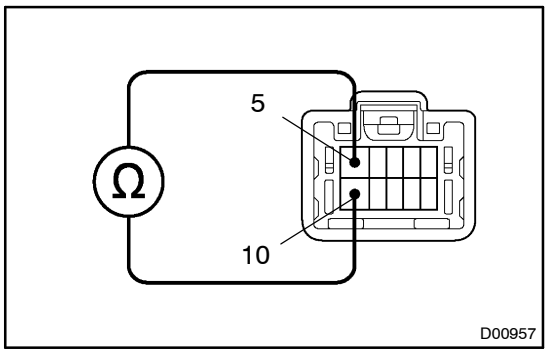
WIRING DIAGRAM



INSPECTION PROCEDURE

O/D OFF indicator light does not light up

1	**Check O/D main switch.**



PREPARATION:
Disconnect the O/D main switch connector.
CHECK:
Check continuity at each terminal of O/D main switch connector.
OK:

O/D main switch	Specified condition
ON	No continuity
OFF	Continuity

NG → **Replace the O/D main switch.**

OK

2	**Check and replace combination meter (See page BE–11).**

NG → **Replace the combination meter.**

OK

3	Check OVRDRIVE CUT SW2 signal.

When using hand–held tester:

PREPARATION:

(a) Connect hand–held tester to the DLC3.

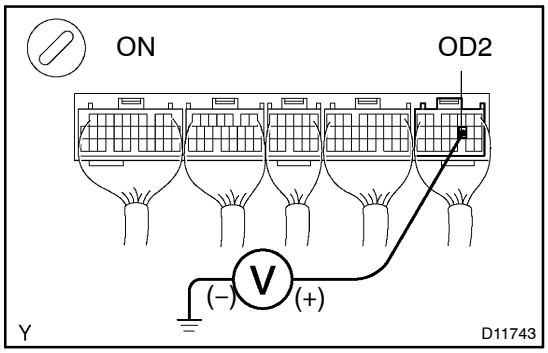
(b) Turn the ignition switch ON and hand–held tester main switch ON.

CHECK:

Read the OVRDRIVE CUT SW2 signal on the hand–held tester.

OK:

O/D main switch condition	OVRDRIVE CUT SW2 signal
O/D ON (Pushed in)	OFF
O/D OFF (Pushed once again)	ON



When not using hand–held tester:

PREPARATION:

Turn the ignition switch ON.

CHECK:

Check voltage between terminal OD2 of the Engine & ECT ECU and body ground.

OK:

O/D main switch condition	Voltage
O/D ON (Pushed in)	9 – 14 V
O/D OFF (Pushed once again)	Below 3 V

OK → **Check and replace Engine & ECT ECU (See page IN–26).**

NG

4	Check harness and connector between O/D OFF indicator light and Engine & ECT ECU (See page IN–26).

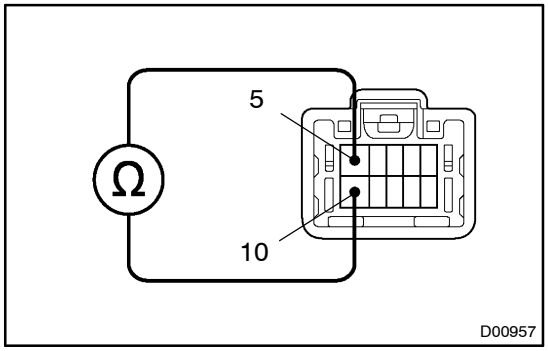
NG → **Repair or replace harness or connector.**

OK

Check and replace Engine & ECT ECU (See page IN–26).

O/D OFF indicator light remains ON

1	**Check O/D main switch.**



PREPARATION:
Disconnect the O/D main switch connector.
CHECK:
Check continuity at each terminal of O/D main switch connector.
OK:

O/D main switch	Specified condition
ON	∞ Ω (No continuity)
OFF	0 Ω (Continuity)

NG → **Replace the O/D main switch.**

OK

2	**Check harness and connector between O/D OFF indicator light and O/D main switch, O/D OFF indicator light and Engine & ECT ECU (See page IN–26).**

NG → **Repair or replace the harness or connector.**

OK

Check and replace the Engine & ECT ECU (See page IN–26).