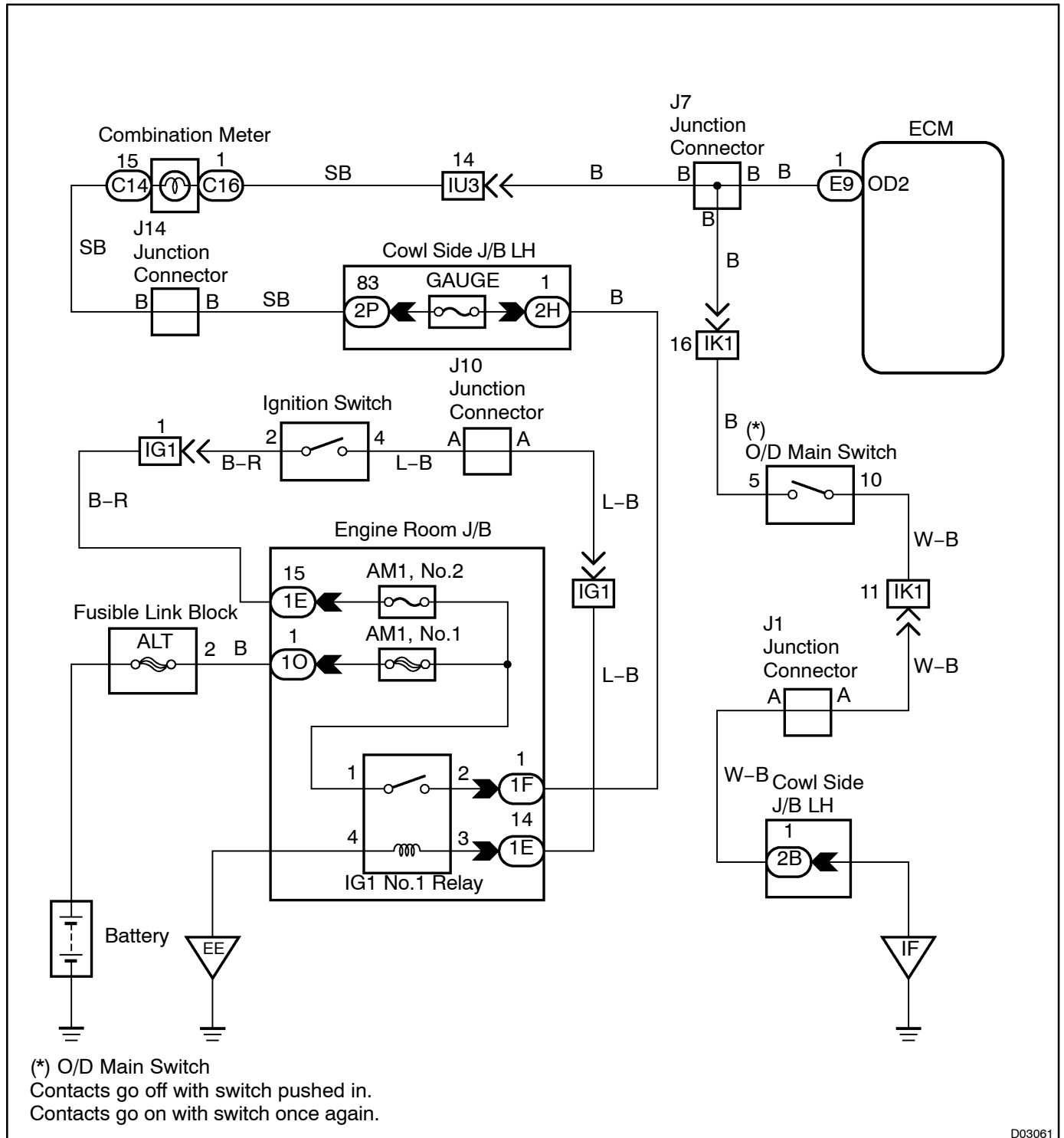


O/D Main Switch & O/D OFF Indicator Light Circuit

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 ECM prohibits shifting over-drive.

WIRING DIAGRAM

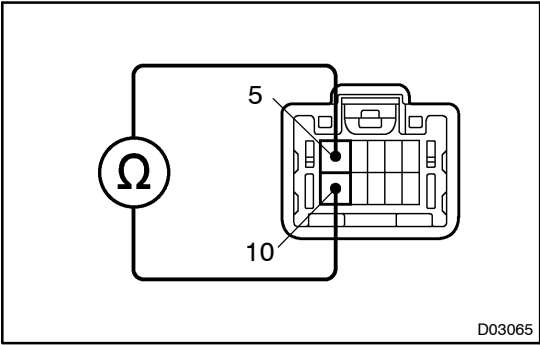


D03061

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 between terminals 5 and 10 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 the combination meter (See page BE-72).
---	--

NG	Replace the combination meter.
----	--------------------------------

OK

3 Check OVRDRIVE CUT SW2 signal.

When using TOYOTA hand-held tester

PREPARATION:

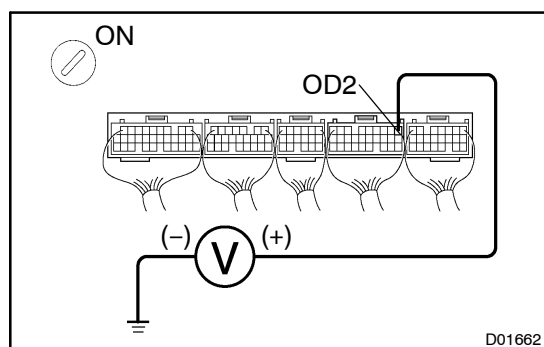
- Connect a LEXUS hand-held tester to the DLC3.
- Turn the ignition switch ON and LEXUS hand-held tester main switch ON.

CHECK:

Read the OVRDRIVE CUT SW2 signal on the LEXUS 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 LEXUS hand-held tester

PREPARATION:

Turn the ignition switch ON.

CHECK:

Check voltage between terminal OD2 of ECM and body ground.

OK:

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

OK

Check and replace the ECM
(See page [IN-34](#)).

NG

4 Check harness and connector between O/D OFF indicator light and O/D main switch, O/D OFF indicator light and ECM (See page [IN-34](#)).

NG

Repair or replace the harness or connector.

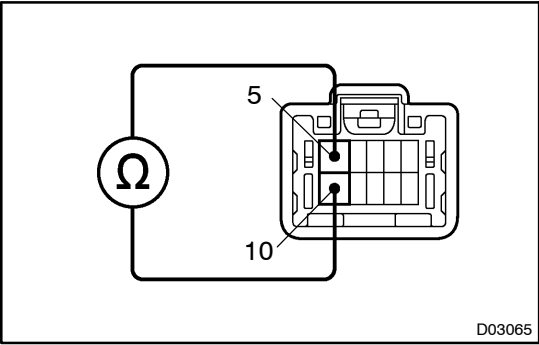
OK

Check and replace the combination meter
(See page [BE-74](#)).

O/D OFF indicator light remains ON

1

Check O/D main switch.



PREPARATION:
Disconnect the O/D main switch connector.

CHECK:
Check continuity between terminals 5 and 10 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 harness and connector between O/D OFF indicator light and O/D main switch, O/D OFF indicator light and ECM (See page [IN-34](#)).

NG

Repair or replace the harness or connector.

OK

Check and replace the ECM
(See page [IN-34](#)).