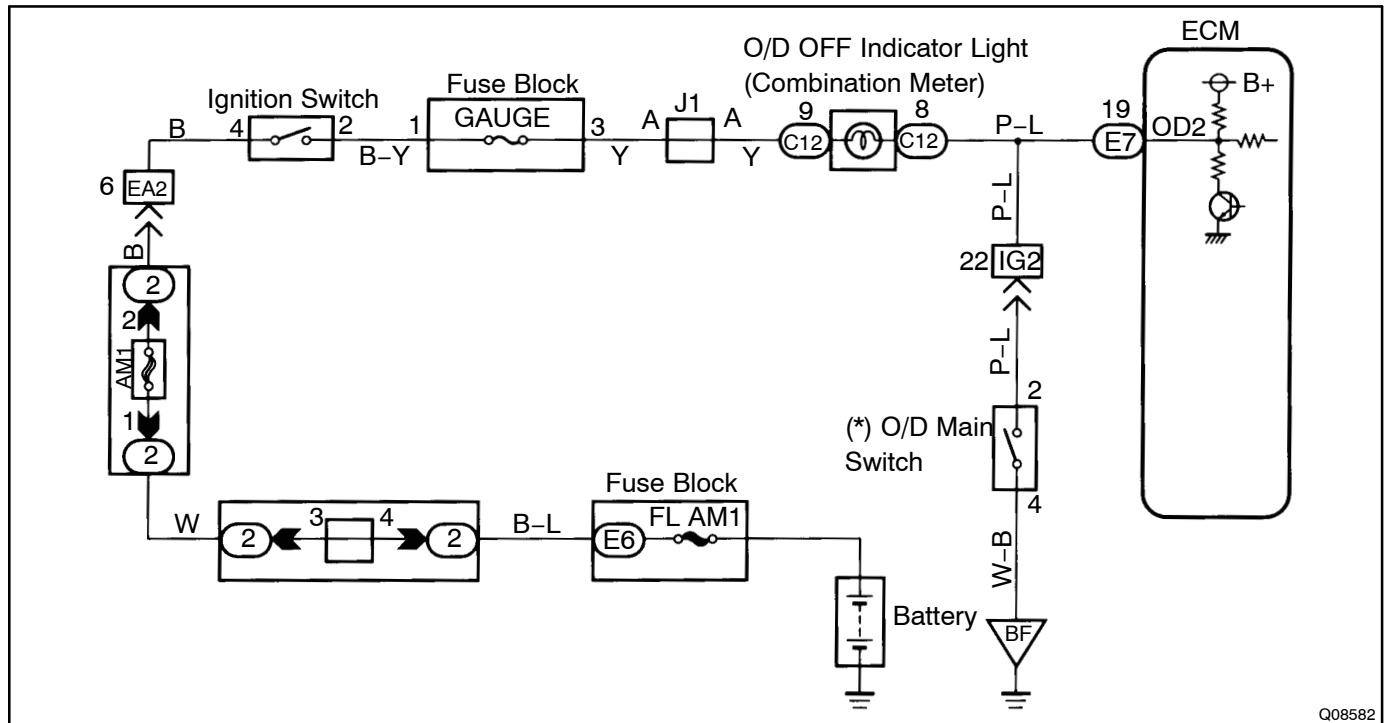


O/D Main Switch & O/D OFF Indicator Light Circuit

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

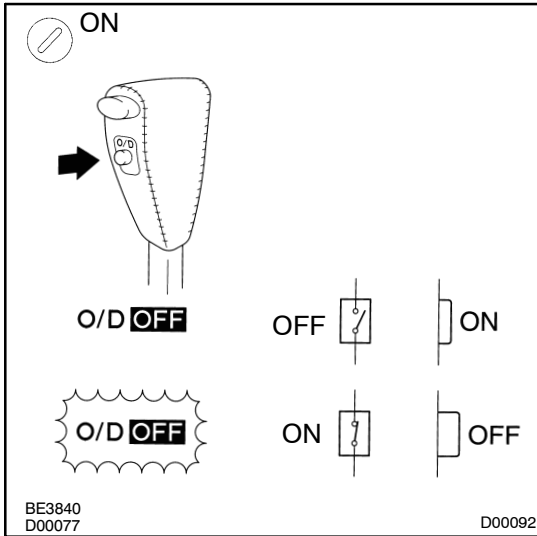


Q08582

(*) O/D Main Switch

Contacts go off with switch pushed in.

Contacts go on with switch once again.

INSPECTION PROCEDURE**O/D OFF indicator light does not light up:****1 Check operation of O/D main switch.****PREPARATION:**

Turn the ignition switch ON.

CHECK:

- Check the O/D OFF indicator light when O/D main switch is pushed in to ON.
- Check the O/D OFF indicator light when O/D main switch is pushed again to OFF.

OK:

- O/D OFF indicator light goes off
- O/D OFF indicator light lights up

NG**Go to step 4.****OK****2 Check OVRDRIVE CUT SW2 signal.**

When using LEXUS hand-held tester:

PREPARATION:

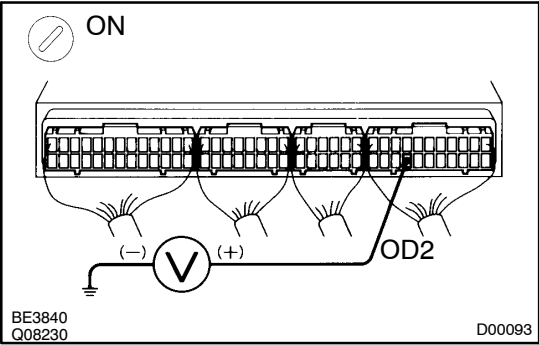
- Remove the fuse box cover.
- Connect the LEXUS hand-held tester to the DLC3.
- Turn the ignition switch ON and LEXUS hand-held tester main switch ON.

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 the 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

Proceed to next circuit inspection shown on matrix chart (See page [DI-137](#)).

NG

3

Check harness and connector between O/D OFF indicator light and ECM (See page [IN-27](#)).

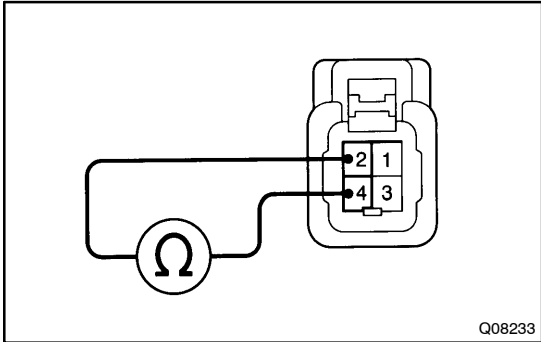
NG

Repair or replace harness or connector.

OK

Check O/D main switch.

4 Check O/D main switch.



PREPARATION:

Disconnect the O/D main switch connector.

CHECK:

Check continuity between terminals 2 and 4 of O/D main switch connector.

OK:

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

NG

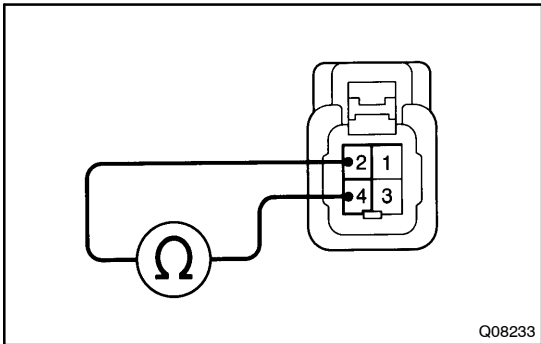
Replace the O/D main switch.

OK

Check and replace the combination meter
(See page [BE-49](#)).

O/D OFF indicator light remains ON:

1 Check O/D main switch.



PREPARATION:

Disconnect the O/D main switch connector.

CHECK:

Check the continuity between terminals 2 and 4 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-27).
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NG

Repair or replace the harness or connector.

OK

Check and replace ECM.