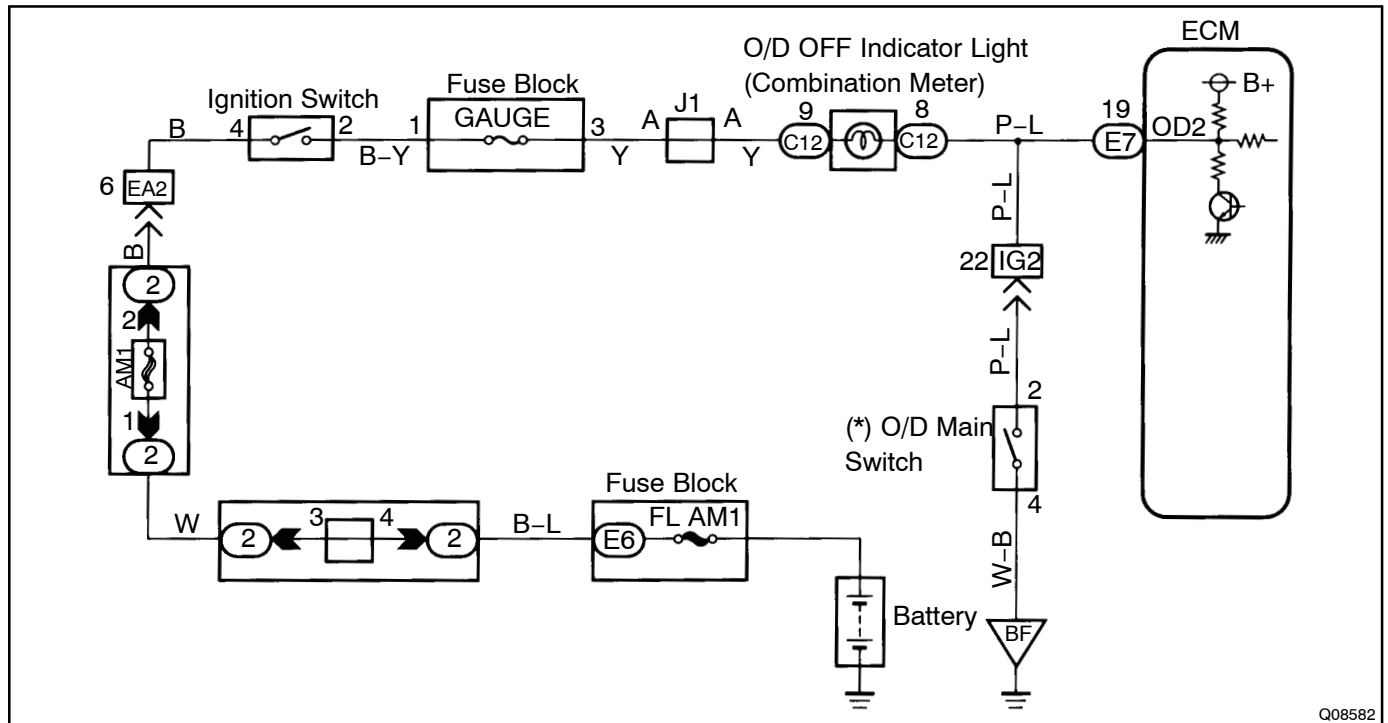


## O/D Main Switch & O/D OFF Indicator Light Circuit

### 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

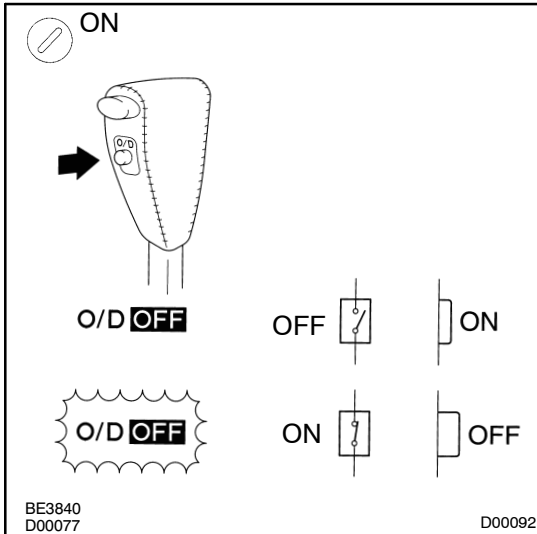


Q08582

(\*) 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:**

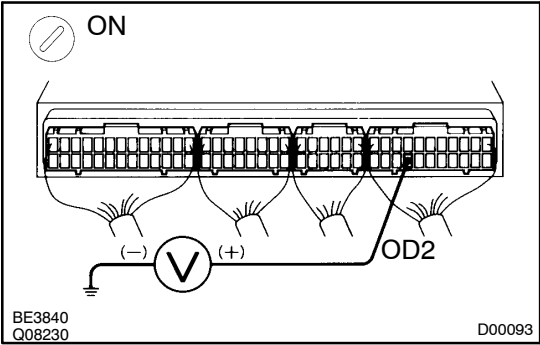
- Remove the fuse box cover.
- Connect a LEXUS hand-held tester to the DLC3.
- Turn the ignition switch ON and LEXUS hand-held tester main switch ON.

**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**

**Proceed to next circuit inspection shown on matrix chart (See page [DI-150](#)).**

**NG**

**3**

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

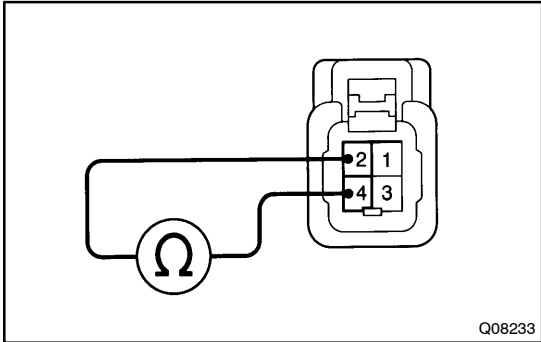
**NG**

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

**OK**

**Check the 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.**

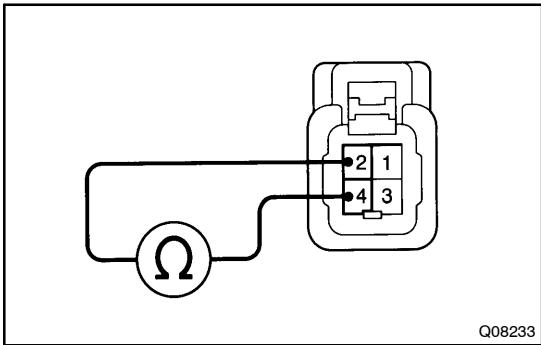
**OK**

Check and replace the combination meter  
(See page [BE-51](#)).

**INSPECTION PROCEDURE**

**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 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 <a href="#">IN-27</a> ). |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|

**NG****Repair or replace the harness or connector.****OK****Check and replace the ECM.**