

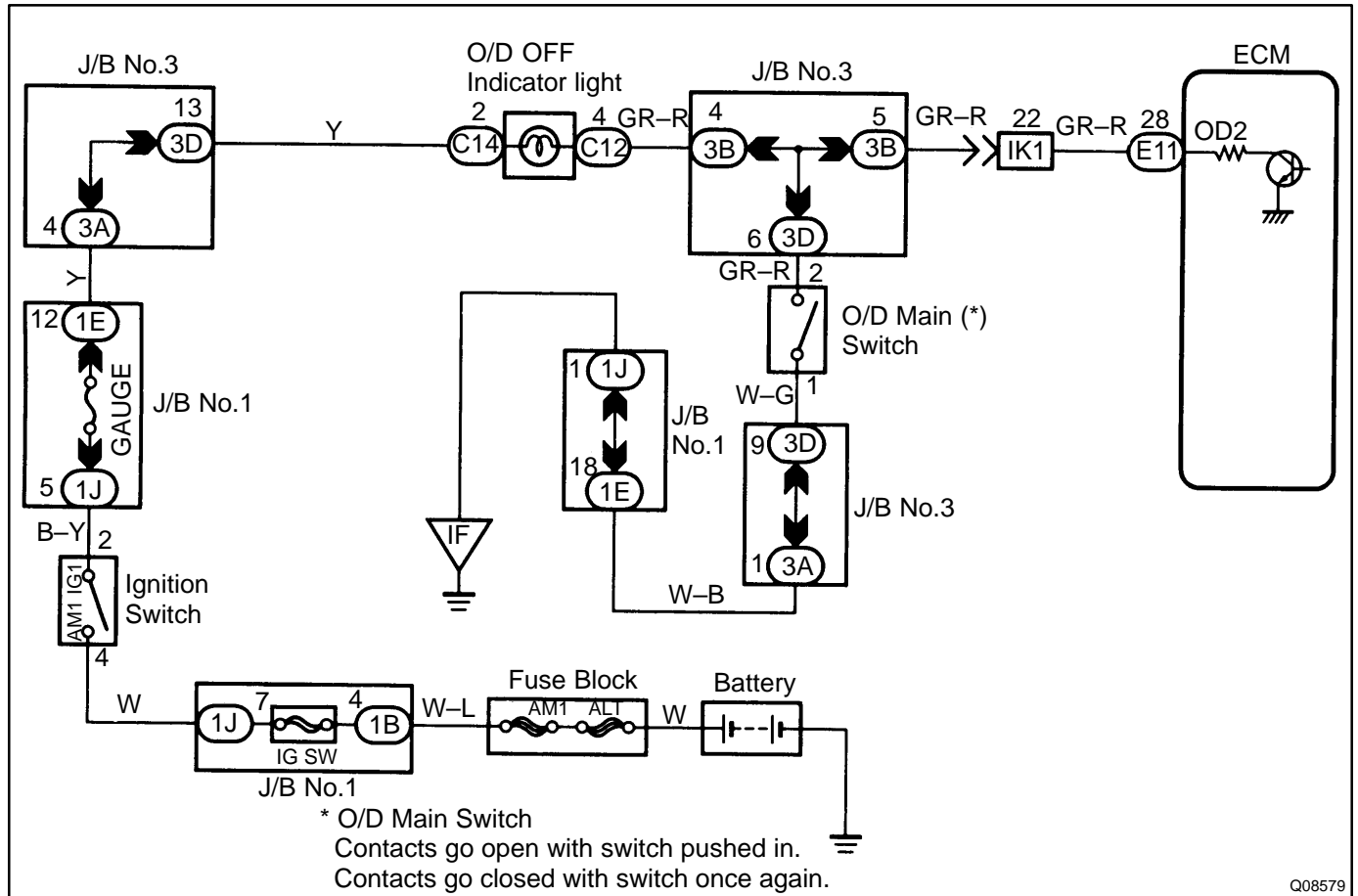
## O/D Main Switch & O/D OFF Indicator Light Circuit

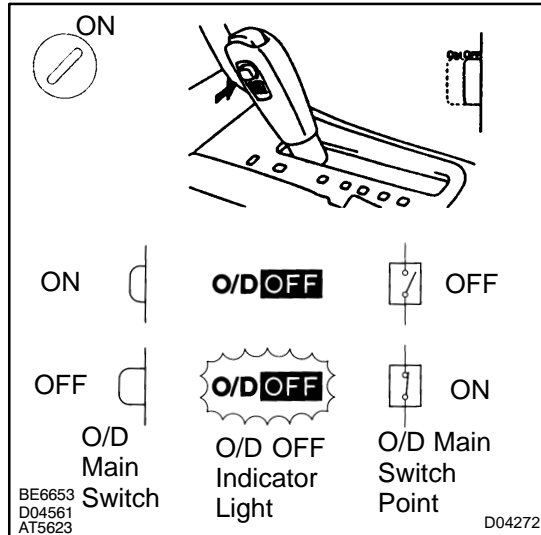
## CIRCUIT DESCRIPTION

The O/D main switch contacts go open when the switch is pushed in and go closed when it is pushed once again.

In O/D main switch OFF position, the O/D OFF indicator lights up, and the ECM prohibits shifting to O/D.

## WIRING DIAGRAM



**INSPECTION PROCEDURE****O/D OFF Indicator light does not light up.****1 Check operation of O/D Main Switch.****CHECK:**

- Turn ignition switch ON.
- Check "O/D OFF" light when O/D main switch is pushed in to ON.

**OK:**

"O/D OFF" light goes off.

**CHECK:**

Check "O/D OFF" light when O/D main switch is pushed again, to OFF.

**OK:**

"O/D OFF" light lights up.

NG

Go to step 4.

OK

2

**Check OVERDRIVE CUT SW2 signal.****When using LEXUS hand-held tester:****PREPARATION:**

- (a) Remove the DLC3 cover.
- (b) Connect the LEXUS hand-held tester to the DLC3.
- (c) Turn ignition switch ON and LEXUS hand-held tester main switch ON.

**CHECK:**

Read the OVERDRIVE CUT SW2 signal on the LEXUS hand-held tester.

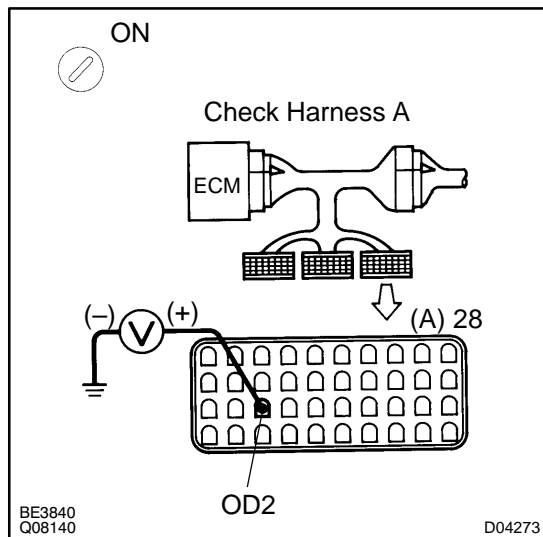
**OK:**

O/D main switch pushed in:

OVERDRIVE CUT SW2 .....OFF

O/D main switch pushed out:

OVERDRIVE CUT SW2 .....ON

**When not using LEXUS hand-held tester:****PREPARATION:**

- (a) Connect the check harness A to ECM (See page [DI-350](#)).
- (b) Turn ignition switch ON.

**CHECK:**

Check voltage between terminal OD2 of check harness A and body ground.

**OK:**

O/D Main Switch	Voltage
OFF	Below 1 V
ON	10 – 14 V

**OK**

**Proceed to next circuit inspection shown on matrix chart (See page [DI-366](#)).**

**NG**

3

Check harness and connector between O/D OFF indicator light and ECM (See page [IN-29](#)).

NG

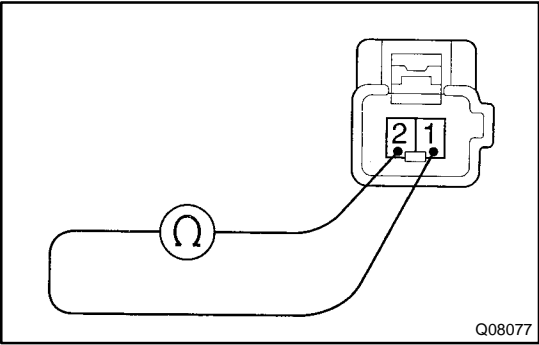
Repair or replace harness or connector.

OK

Check and replace ECM.

4

Check O/D Main Switch.



- CHECK:**
- (a) Disconnect the O/D main switch connector.
  - (b) Check continuity between terminals 1 and 2 of O/D main switch connector.

**OK:**

O/D Main Switch	Resistance
ON	8Ω (open)
OFF	0Ω (continuity)

NG

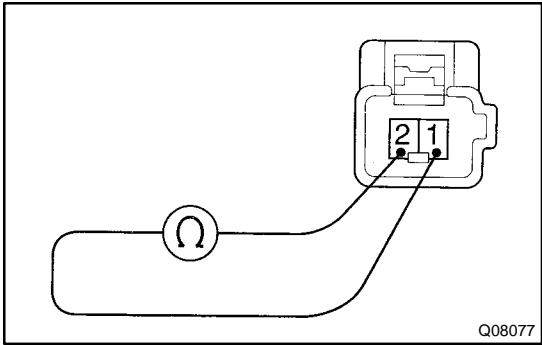
Replace O/D main switch.

OK

Check and replace combination meter (See page [BE-59](#)).

**O/D OFF Indicator light remains ON.**

<b>1</b>	<b>Check O/D Main Switch.</b>
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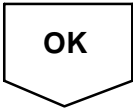
**CHECK:**

- (a) Disconnect O/D main switch connector.
- (b) Measure resistance between terminals 1 and 2 of O/D main switch connector.

**OK:**

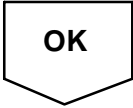
O/D Main Switch	Resistance
ON	8 Ω (open)
OFF	0 Ω (continuity)

<b>NG</b>	<b>Replace O/D Main Switch.</b>
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<b>2</b>	<b>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-29</a>).</b>
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<b>NG</b>	<b>Repair or replace harness or connector.</b>
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<b>Check and replace ECM.</b>
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