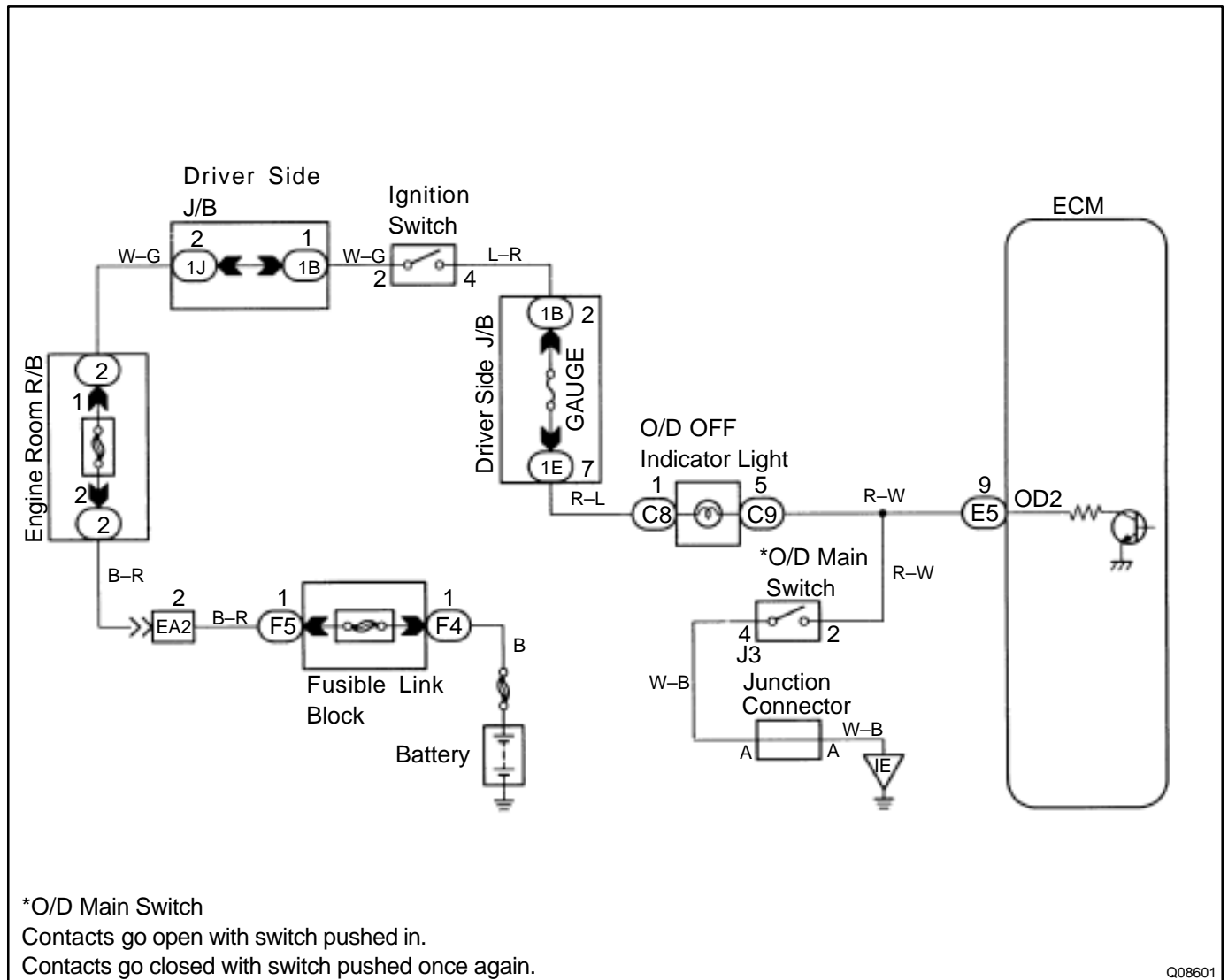


## O/D Main Switch & O/D OFF Indicator Light Circuit

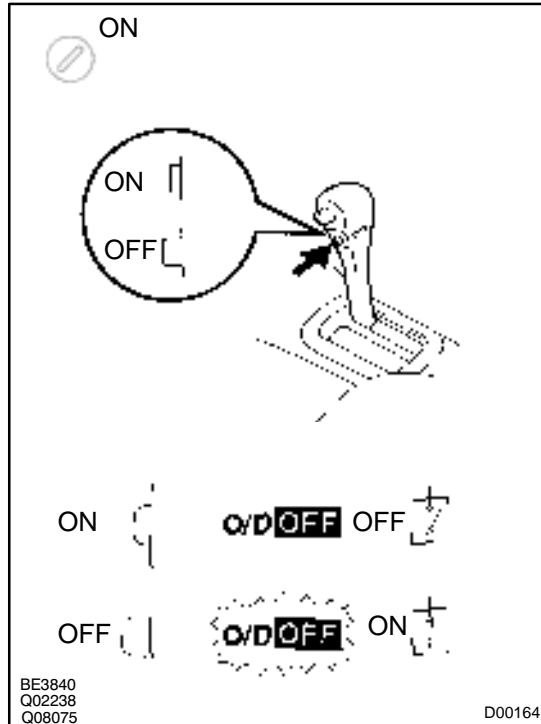
### CIRCUIT DESCRIPTION

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



Q08601

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

- (a) Turn the ignition switch ON.
- (b) Check "O/D OFF" indicator light when O/D main switch is pushed to ON.

**OK:****"O/D OFF" indicator light goes off****CHECK:**

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

**OK:****"O/D OFF" indicator light lights up****NG****Go to step 4.****OK**

## 2 Check OVRDRIVE CUT SW2 signal.

**When using TOYOTA hand-held tester:**

**PREPARATION:**

- (a) Connect the TOYOTA hand-held tester to the DLC3.
- (b) Turn the ignition switch ON and TOYOTA hand-held tester main switch ON.

**CHECK:**

Read the OD2 signal on the TOYOTA hand-held tester.

**OK:**

O/D main switch pushed in:

OVRDRIVE CUT SW2 ..... ON

O/D main switch pushed once again:

OVRDRIVE CUT SW2 ..... OFF

**When not using TOYOTA hand-held tester:**

**PREPARATION:**

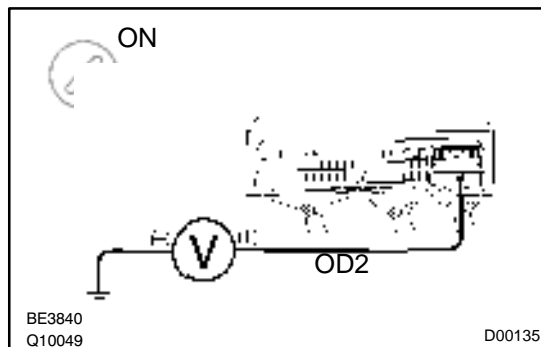
Turn the ignition switch ON.

**CHECK:**

Check voltage between terminal OD2 of ECM and body ground.

**OK:**

O/D Main Switch	Voltage
OFF	Below 3 V
ON	9 – 14 V



**OK**

**Proceed to next circuit inspection shown on matrix chart (See page [DI-140](#)).**

**NG**

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

**NG**

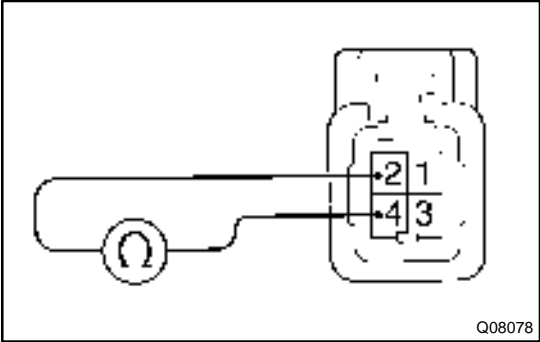
**Repair or replace harness or connector.**

**OK**

**Check and replace ECM.**

4

# Check O/D Main Switch.



## **PREPARATION:**

Disconnect O/D main switch connector.

## **CHECK:**

Measure resistance between terminals 2 and 4 of O/D main switch connector.

## **OK:**

O/D Main Switch	Resistance
ON	$\infty \Omega$ (open)
OFF	0 $\Omega$ (continuity)

NG

Replace O/D main switch.

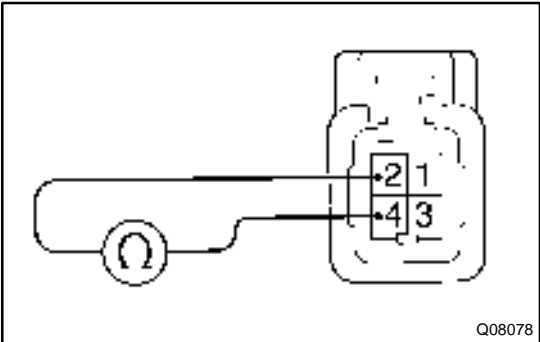
OK

Check and replace combination meter  
(See page [BE-33](#)).

# O/D OFF indicator light remains ON

1

# Check O/D Main Switch.



## **PREPARATION:**

- (a) Disconnect O/D main switch connector.
- (b) Measure resistance between terminals 2 and 4 of O/D main switch connector.

## **OK:**

O/D Main Switch	Resistance
ON	$\infty \Omega$ (open)
OFF	0 $\Omega$ (continuity)

NG

Replace 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> ).
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**NG**

Repair or replace harness or connector.

**OK**

Check and replace ECM.