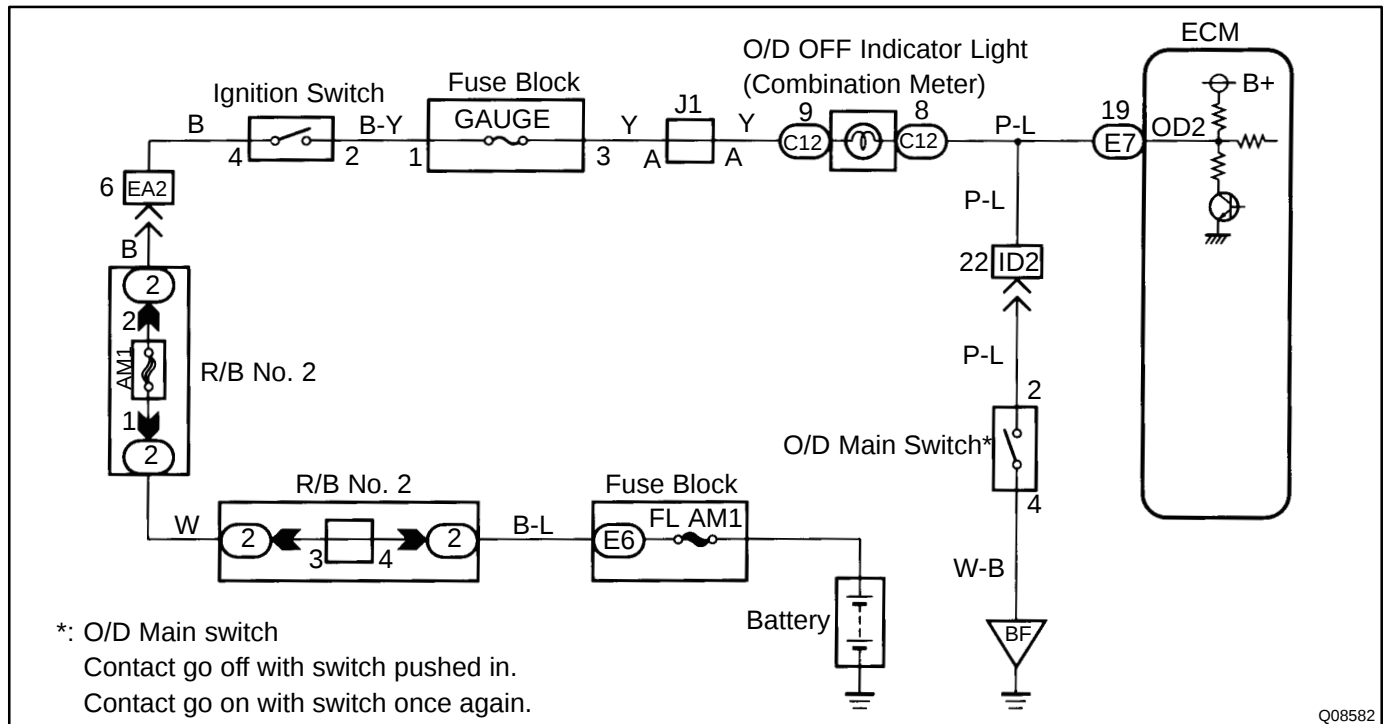


O/D Main Switch & O/D OFF Indicator Light Circuit

CIRCUIT DESCRIPTION

The O/D main switch contacts go off when the switch is pushed in and come on 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.

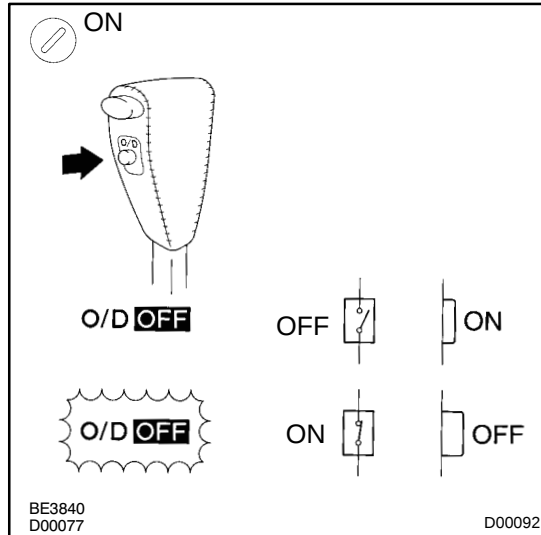
WIRING DIAGRAM



Q08582

INSPECTION PROCEDURE**O/D OFF indicator light does not light up:**

1	Check operation of O/D main switch.
----------	--

**CHECK:**

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

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

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

OK:**O/D OFF indicator light lights up**

NG	Go to step 4.
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OK

2 Check OVRDRIVE CUT SW2 signal.

When using TOYOTA hand-held tester:

PREPARATION:

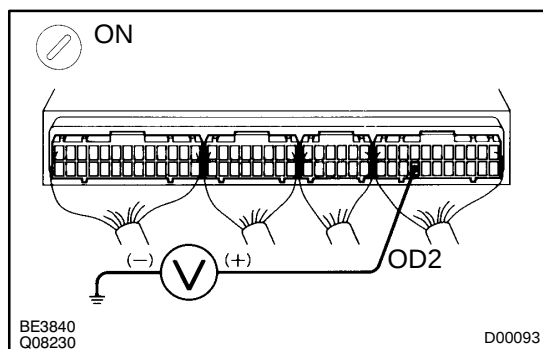
- Remove the fuse box cover.
- Connect a TOYOTA hand-held tester to the DLC3.
- Turn the ignition switch ON and TOYOTA hand-held tester main switch ON.

CHECK:

Read the OVRDRIVE CUT SW2 signal on the TOYOTA hand-held tester.

OK:

O/D Main Switch	OVRDRIVE CUT SW2 Signal
O/D ON (pushed in)	OFF
O/D OFF (pushed out)	ON



When not using TOYOTA hand-held tester:

PREPARATION:

Turn the ignition switch ON.

CHECK:

Check the voltage between terminal OD2 of the ECM and body ground.

OK:

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

OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-147](#)).

NG

3 Check harness and connector between O/D OFF indicator light and ECM (See page [IN-28](#)).

NG

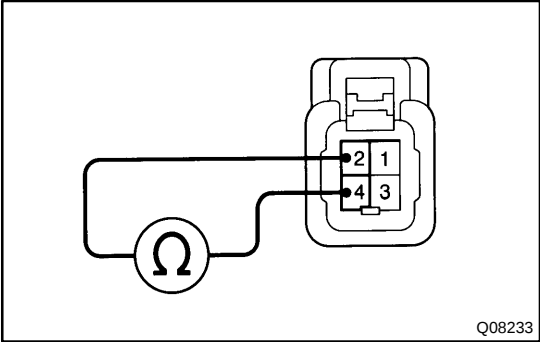
Repair or replace harness or connector.

OK

Check and replace ECM.

4

Check O/D main switch.



CHECK:

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

OK:

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

NG

Replace O/D main switch.

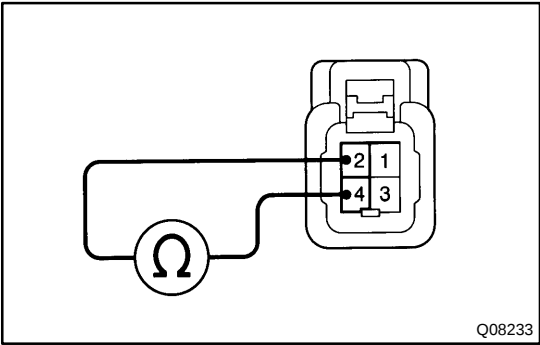
OK

Check and replace the combination meter
(See page [BE-32](#)).

O/D OFF indicator light remains ON:

1

Check O/D main switch.



CHECK:

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

OK:

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

NG

Replace O/D main switch.

OK

2	Check harness and connector between O/D OFF indicator light and O/D main switch, and O/D OFF indicator light and ECM (See page IN-28).
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NG

Repair or replace harness or connector.

OK

Check and replace ECM.