

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

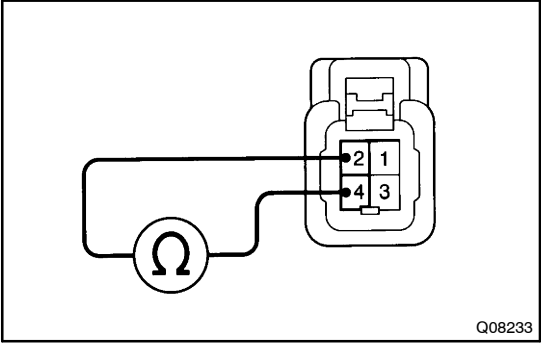
CIRCUIT DESCRIPTION

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 Engine and ECT ECU or ECT ECU prohibits shifting overdrive.

[illegible]

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

1	Check O/D main switch.
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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.
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OK

2	Check and replace combination meter (See page BE-2).
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NG	Replace the combination meter.
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OK

3 Check OVRDRIVE CUT SW2 signal.

When using hand-held tester

PREPARATION:

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

CHECK:

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

PREPARATION:

Turn the ignition switch ON.

CHECK:

Check voltage between terminal OD2 of Engine and ECT ECU or ECT ECU and body ground.

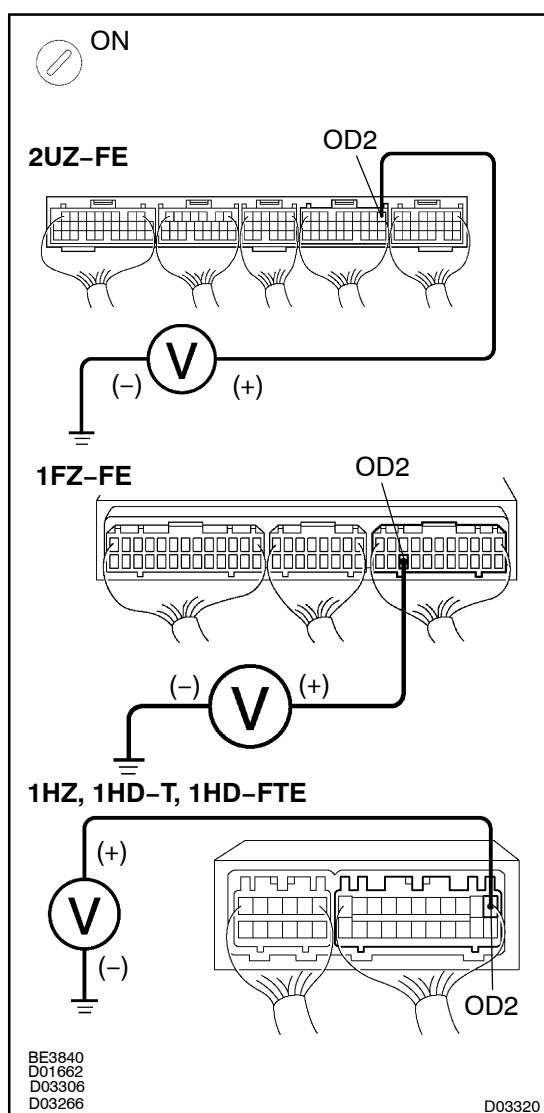
OK:

2UZ - FE, 1FZ - FE:

O/D main switch condition	Voltage
O/D ON (Pushed in)	9.0 - 14 V
O/D OFF (Pushed once again)	Below 1.5 V

1HZ, 1HD - T, 1HD - FTE:

O/D main switch condition	Voltage
O/D ON (Pushed in)	9.0 - 14 V
O/D OFF (Pushed once again)	Below 1.5 V



NG

OK

Proceed to next circuit inspection shown in symptom problems table (See page DI-108).

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|----------|--|
| 4 | Check harness and connector between O/D OFF indicator light and Engine and ECT ECU or ECT ECU (See page IN-35). |
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NG

Repair or replace the harness or connector.

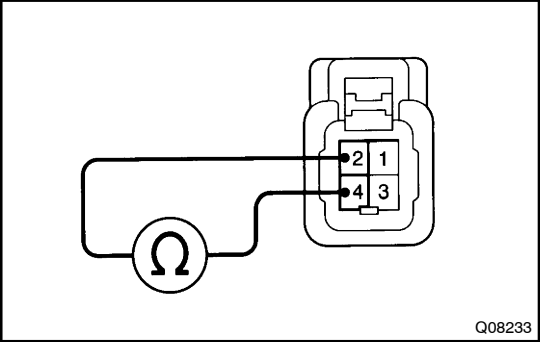
OK

Check and replace the Engine and ECT ECU or ECT ECU ([See page IN-35](#)).

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 Engine and ECT ECU or ECT ECU (See page [IN-35](#)).

NG

Repair or replace the harness or connector.

OK

Check and replace the Engine and ECT ECU or ECT ECU (See page [IN-35](#)).