

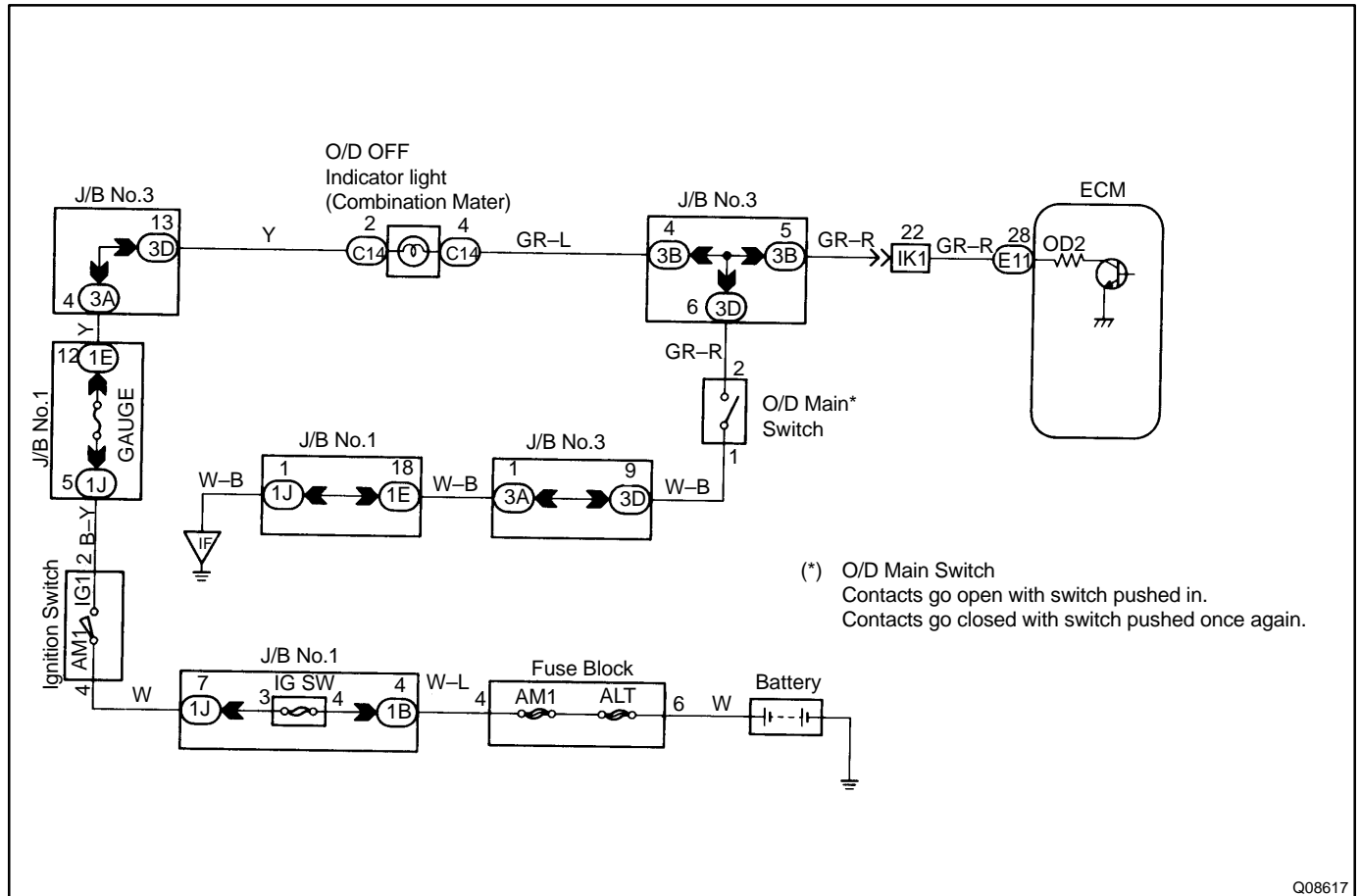
O/D Main Switch & O/D OFF Indicator Light Circuit

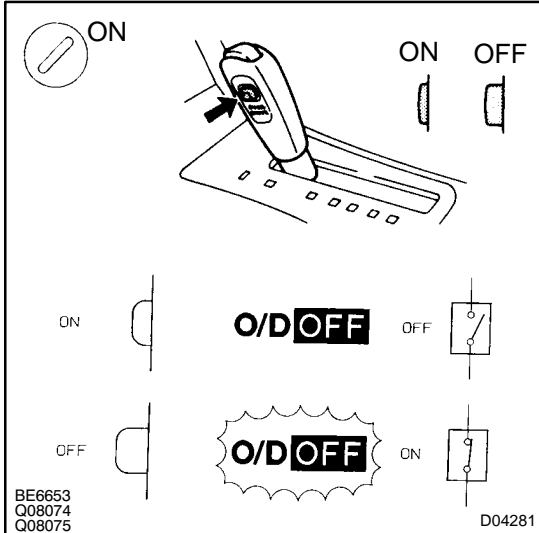
CIRCUIT DESCRIPTION

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:**

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

OK:

"O/D OFF" indicator 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) Connect the LEXUS hand-held tester to the DLC3.
- (b) Turn the ignition switch ON and LEXUS hand-held tester main switch ON.

CHECK:

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

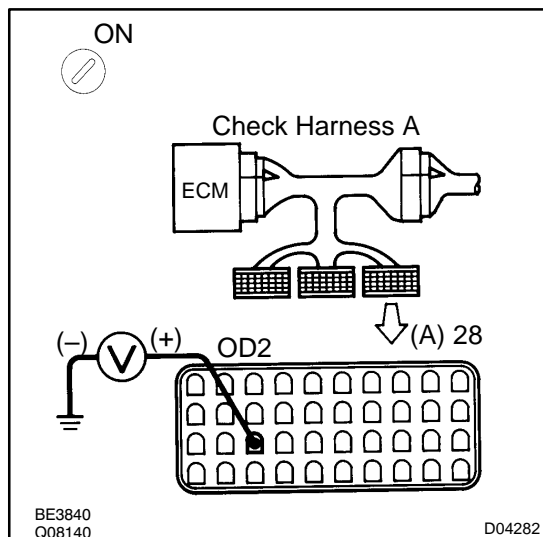
OK:

O/D main switch pushed in:

OVERDRIVE CUT SW2ON

O/D main switch pushed once again:

OVERDRIVE CUT SW2OFF



When not using LEXUS hand-held tester:

PREPARATION:

- Connect the check harness A to ECM.
- Turn the ignition switch ON.

CHECK:

Check voltage between terminal OD2 of check harness A connector 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-314](#)).

NG

3

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

NG

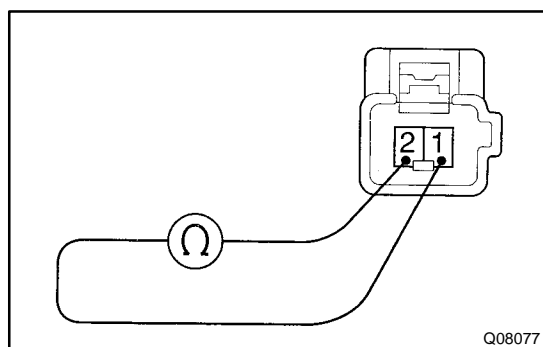
Repair or replace harness or connector.

OK

Check and replace ECM.

4

Check O/D Main Switch.



CHECK:

- Disconnect the O/D main switch connector.
- Check continuity between terminals 1 and 2 of O/D main switch connector.

OK:

O/D Main Switch	Specified condition
ON	No continuity
OFF	Continuity

NG

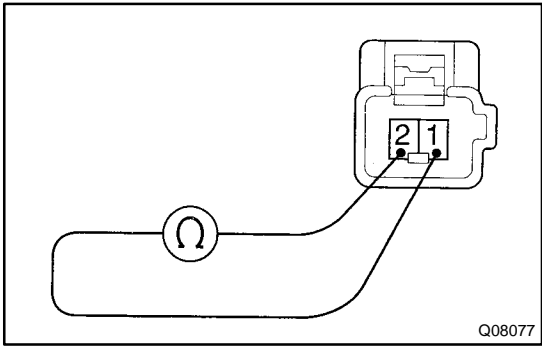
Replace O/D main switch.

OK

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

O/D OFF Indicator light remains ON.

1 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	Specified condition
ON	No continuity
OFF	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 [IN-29](#)).

NG

Repair or replace harness or connector.

OK

Check and replace ECM.