

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

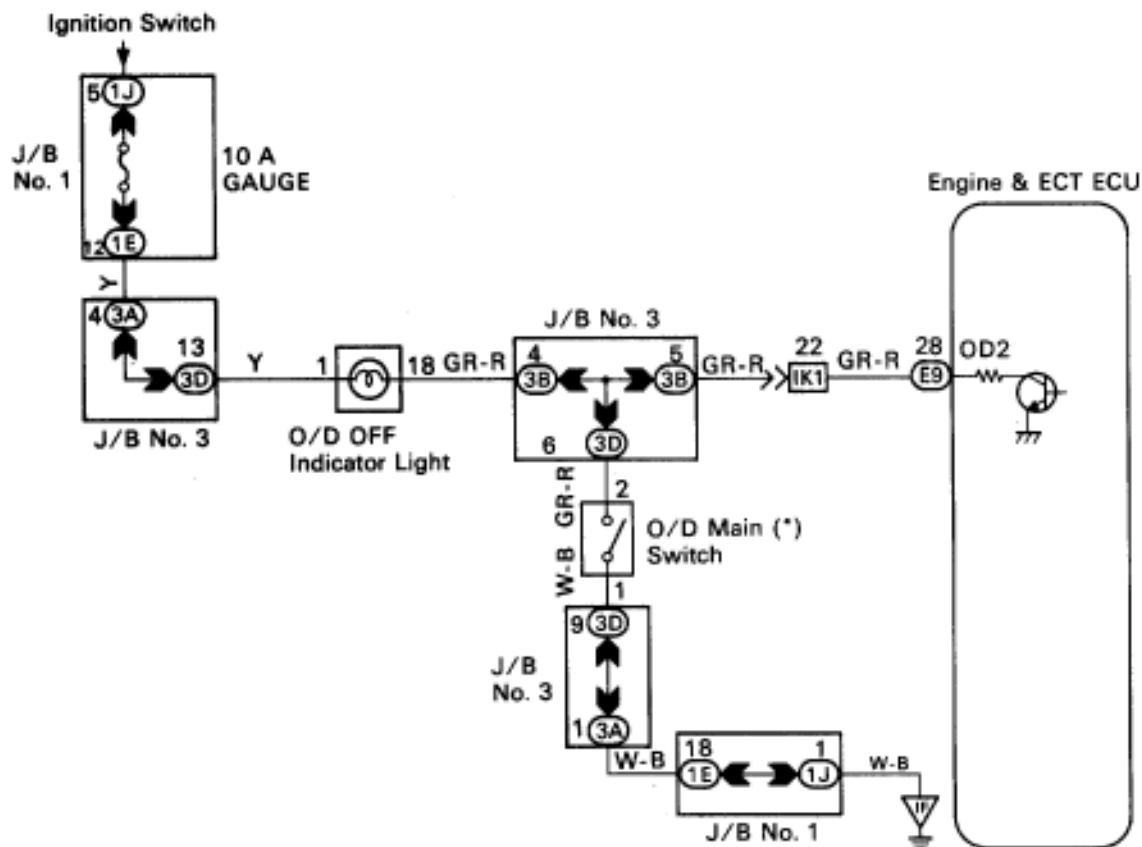
— CIRCUIT DESCRIPTION —

The O/D main switch contacts go off when the switch is pushed in and come on when it is pushed out. In O/D main switch OFF position, the O/D OFF indicator lights up, and the ECU prohibits shifting to overdrive. The ECU also causes the O/D OFF indicator light to blink when a malfunction is detected. In this case, connecting the terminals in the TDCL or check connector can display the malfunction code.

— DIAGNOSTIC CHART —

See next page.

WIRING DIAGRAM

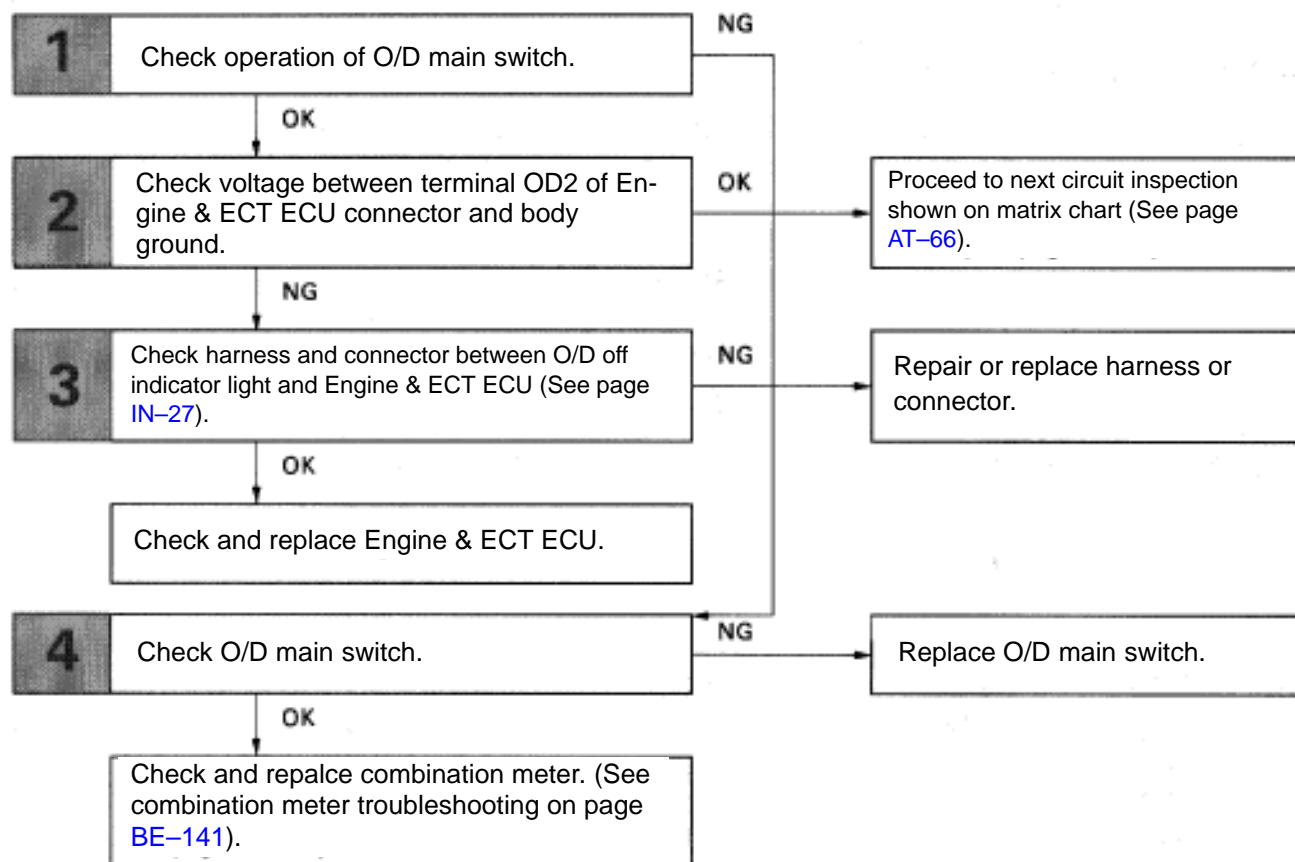


(*) O/D Main Switch

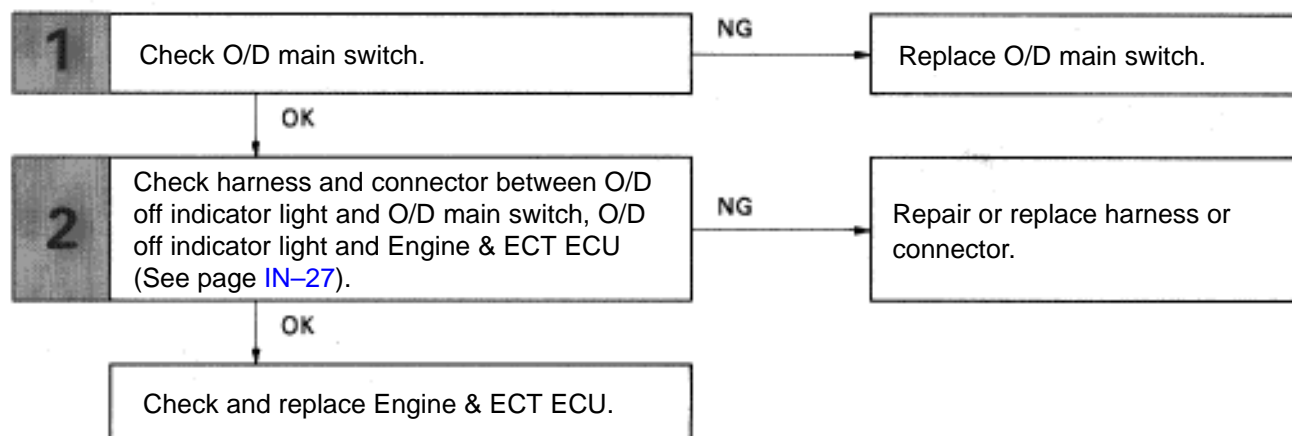
Contacts go off with switch pushed in.

Contacts go on with switch pushed out.

O/D OFF indicator light does not light up.



O/D OFF indicator light remains ON



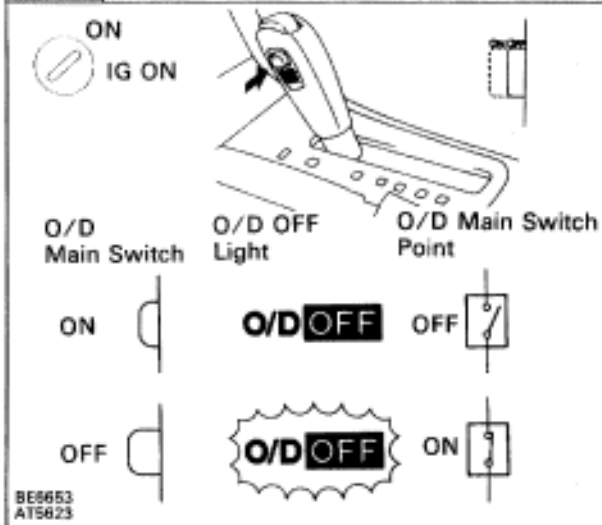
O/D OFF indicator light blinks

Perform diagnostic code check (See page [AT-40](#)).

INSPECTION PROCEDURE

1

Check operation of O/D main switch.



C

1. Turn ignition switch ON.

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

OK

"O/D OFF" light goes off.

C

3. Check "O/D OFF" light when O/D main switch is pushed in to OFF.

OK

"O/D OFF" light lights up.

NG

If the "O/D" off light blinks when the O/D main switch is pushed in to ON, a malfunction is occurring in the system.

Check the Diagnostic code.

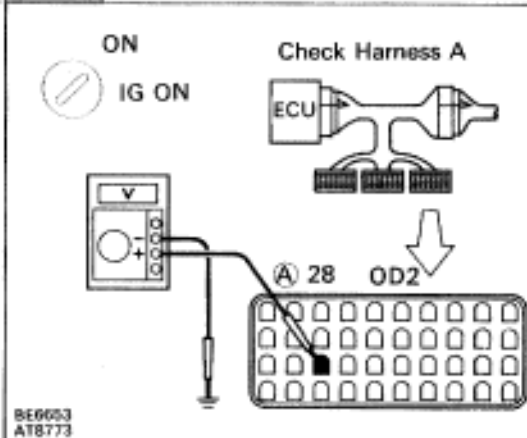
OK

NG

Go to step 4.

2

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



P

1. Connect the Check Harness A to the ECU. (See page [TR-30](#)).

2. Turn ignition switch ON.

C

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

OK

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

NG

OK

Proceed to next circuit inspection shown on matrix chart (See page [AT-66](#)).

3

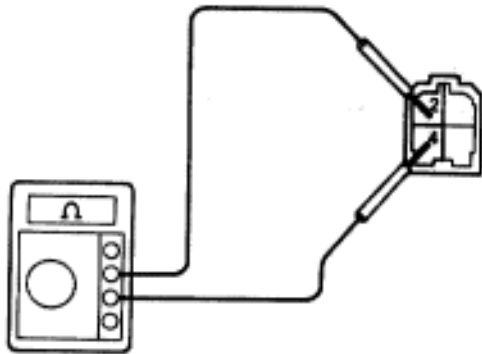
Check harness and connector between O/D off indicator light and Engine & ECT ECU (See page [IN-27](#)).

OK

NG

Repair or replace harness or connector.

Check and replace Engine & ECT ECU.

4**Check O/D main switch.**

AT5529

1. Disconnect O/D main switch connector. (See page BO-111)
2. Measure resistance between terminals 2 and 4 of O/D main switch connector.

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

OK**NG**

Replace O/D Main Switch.

Check and replace combination meter.
(See combination meter troubleshooting section on
page [BE-141](#)).