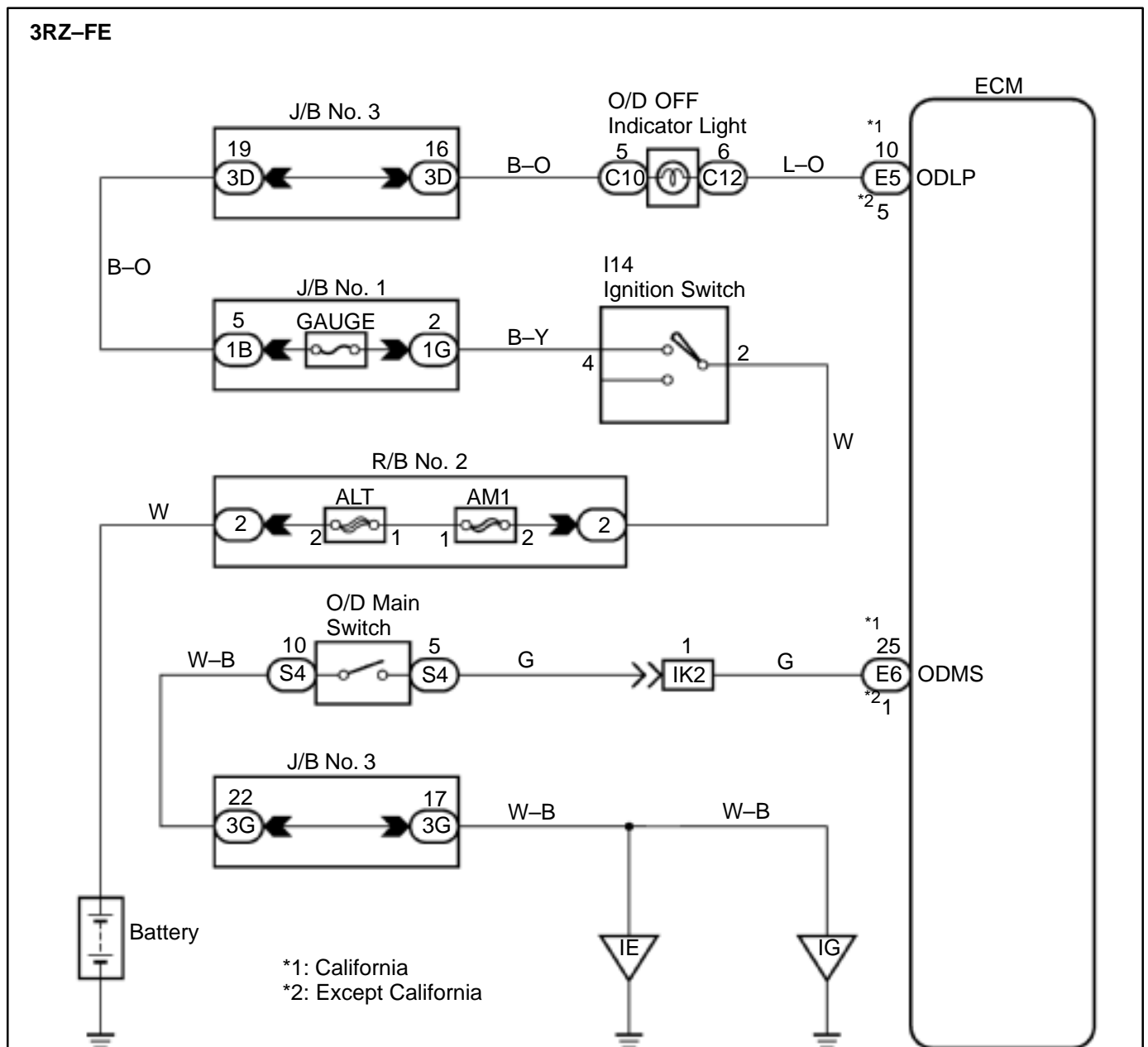


O/D Main Switch & O/D OFF Indicator Light Circuit

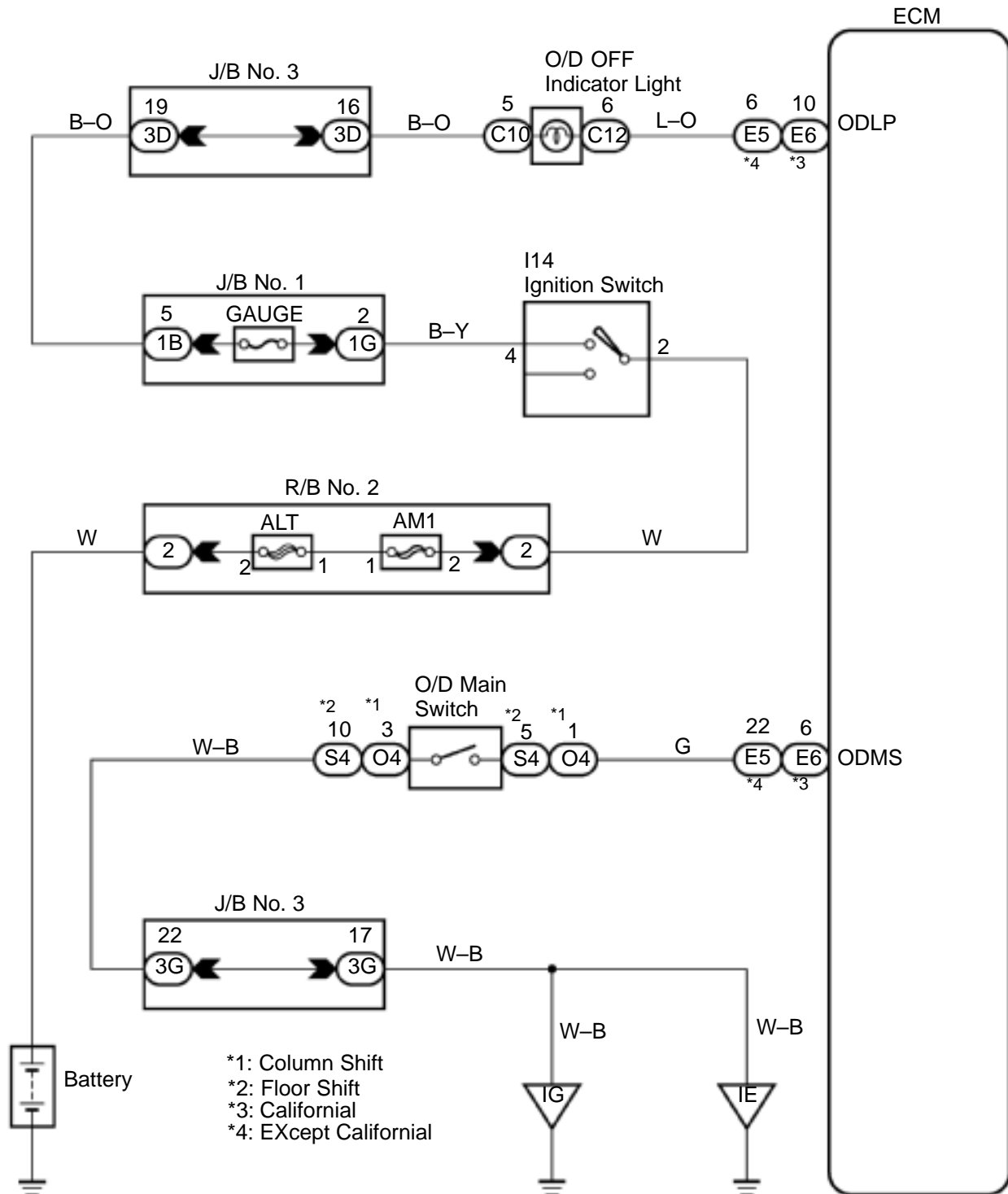
CIRCUIT DESCRIPTION

The O/D main switch is a momentary type switch. When pressing the O/D OFF main switch, the O/D OFF indicator light lights up and ECM prohibit shifting to O/D, and when pressing it again, the O/D OFF indicator light goes off and ECM allows shifting to O/D. Turning the IG switch OFF will reset the O/D OFF indicator light.

WIRING DIAGRAM



5VZ-FE



INSPECTION PROCEDURE

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

PREPARATION:

Turn the ignition switch ON.

CHECK:

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

OK:

- (a) O/D OFF indicator light lights up.
- (b) O/D OFF indicator light goes off.

OK

Proceed to next inspection shown on problem symptoms table (See page [DI-363](#)).

NG

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

NG

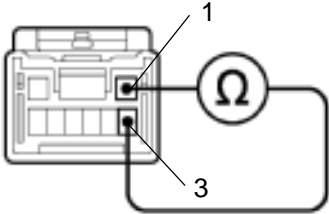
Replace the combination meter.

OK

3

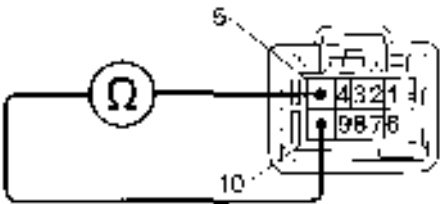
Check O/D main switch.

Column Shift



N

Floor Shift



D06551
Q08284

D07207

PREPARATION:

Disconnect the O/D main switch connector.

CHECK:

- (a) Column shift:
Check continuity between 1 and 3 of the O/D main switch connector.
- (b) Floor shift:
Check continuity between 5 and 10 of the O/D main switch connector.

OK:

O/D main switch condition	Specified condition
Press continuously O/D main switch	Continuity
Release O/D main switch	No continuity

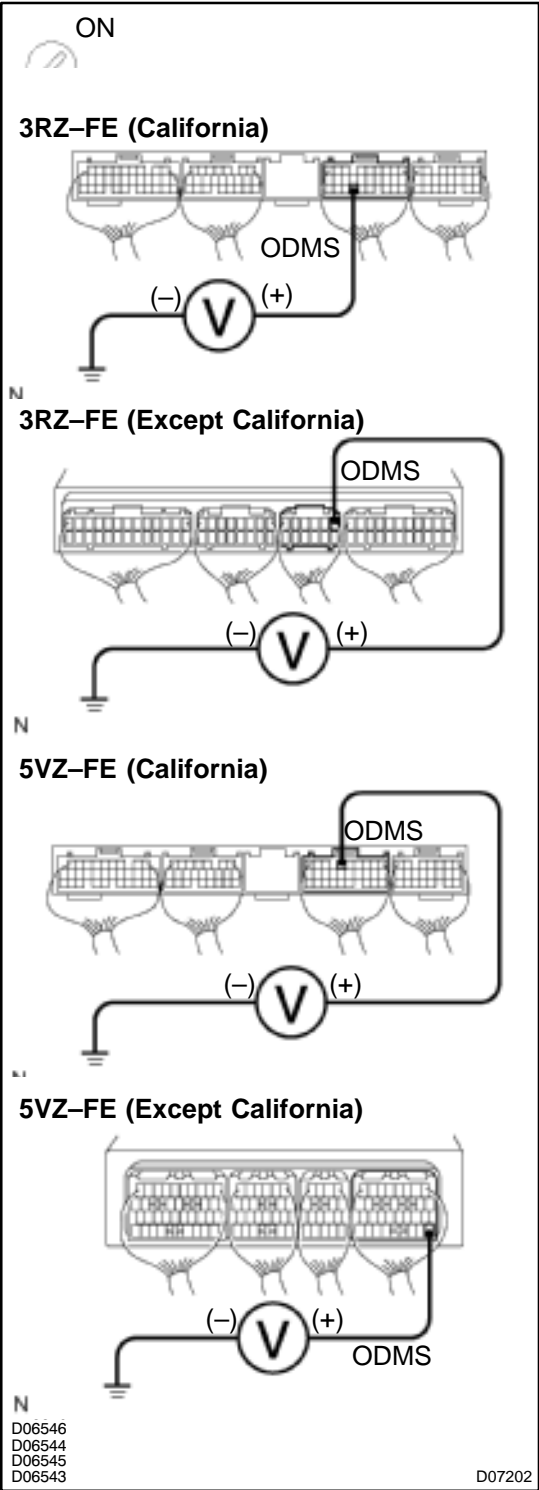
NG

Replace and repair O/D main switch.

OK

4

Check voltage between terminal ODMS of ECM and body ground.



PREPARATION:

Turn the ignition switch ON.

CHECK:

Check voltage between terminal ODMS of ECM and body ground when O/D main switch is ON and OFF.

OK:

O/D main switch	Specified voltage
Press continuously O/D main switch	Below 1.0 V
Release O/D main switch	10 – 14 V

NG

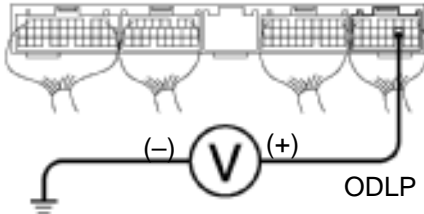
OK

Check and replace the ECM (See page [IN-28](#)).

5 Check voltage between terminal ODLP of ECM and body ground.

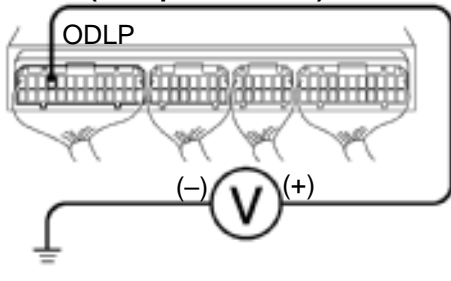
ON

3RZ-FE (California)



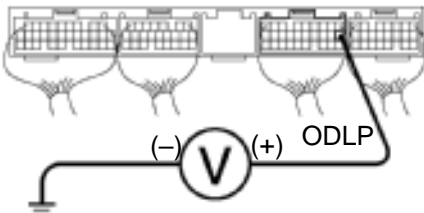
N

3RZ-FE (Except California)



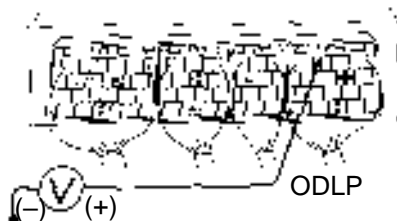
N

5VZ-FE (California)



N

5VZ-FE (Except California)



BE3840
D06529
D06542
D06541
Q07662

D07139

PREPARATION:

- Disconnect the connector of ECM.
- Turn the ignition switch ON.

CHECK:

Check voltage between terminal ODLP of ECM and body ground.

OK:

Voltage: 7.5 – 14 V

OK

Check and replace the ECM (See page [IN-28](#)).

NG

Check and replace harness and connector between combination meter and ECM, O/D main switch and ECM, O/D main switch and body ground (See page [IN-28](#)).