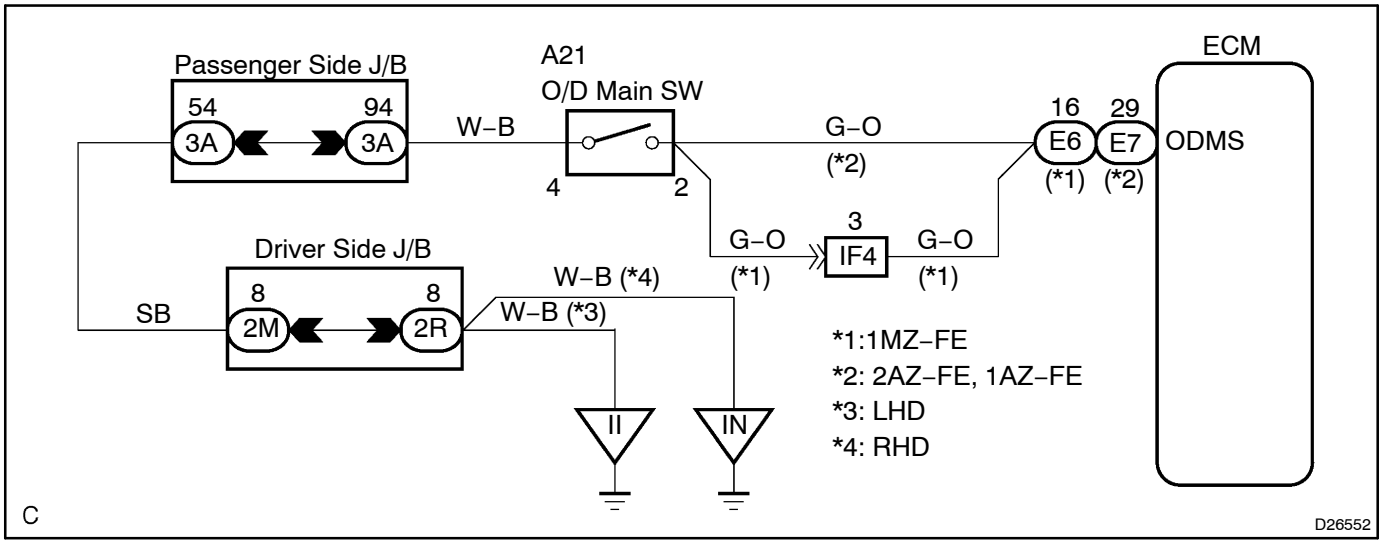
O/D Main Switch Circuit

CIRCUIT DESCRIPTION

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

WIRING DIAGRAM



INSPECTION PROCEDURE

HINT:
Start the inspection from step 1 in case of using the hand–held tester and start from step 2 in case of not using hand–held tester.

1 READ VALUE OF HAND–HELD TESTER

(a) Warm up the engine.
(b) Turn the ignition switch OFF.
(c) Connect the Hand–held tester to the DLC3.
(d) Turn the ignition switch ON and push the Hand–held tester main SW ON.
(e) Select the item "OVERDRV CUT SW1" in the DATALIST and read its value displayed on the Hand–held tester.

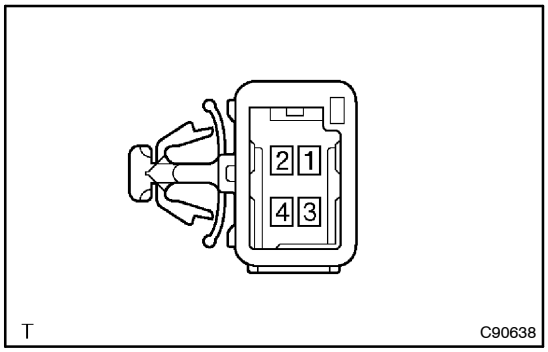
NOTICE:
The values given below for "Normal Condition" are representative values, so a vehicle may still be normal even if its value differs from those listed here. Do not depend solely on the "Normal Condition" here when deciding whether or not the part is faulty.

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
OVERDRV CUT SW1	O/D SW Status/ ON or OFF	• IG SW ON: ON ↓ • O/D SW Push: OFF ↓ • O/D SW Push: ON	←

OK → **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOM TABLE** (See page 05–637)

NG

2 INSPECT TRANSMISSION CONTROL SWITCH



(a) Disconnect the connector of transmission control switch.
(b) Check continuity between terminals 2 and 4 of transmission control switch.
OK:

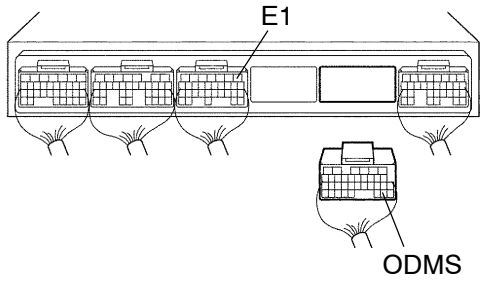
Transmission control switch	Specified condition
Press continuously transmissin control switch	Continuity
Release transmission control switch	No continuity

NG → **REPLACE TRANSMISSION CONTROL SWITCH**

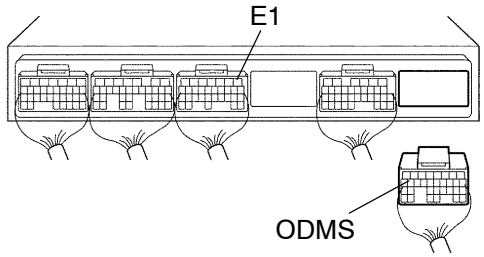
OK

3	CHECK HARNESS AND CONNECTOR(TRANSMISSION CONTROL SWITCH – ECM)

1AZ–FE, 2AZ–FE:



1MZ–FE:



P C91580

(a) Connect the connector of transmission control switch.
(b) Check continuity between terminals ODMS and E1 of ECM.

OK:

Transmission control switch	Specified condition
Press continuously transmissin control switch	Continuity
Release transmission control switch	No continuity

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR(See page 01–31)**

OK

CHECK AND REPLACE ECM(See page 01–31)