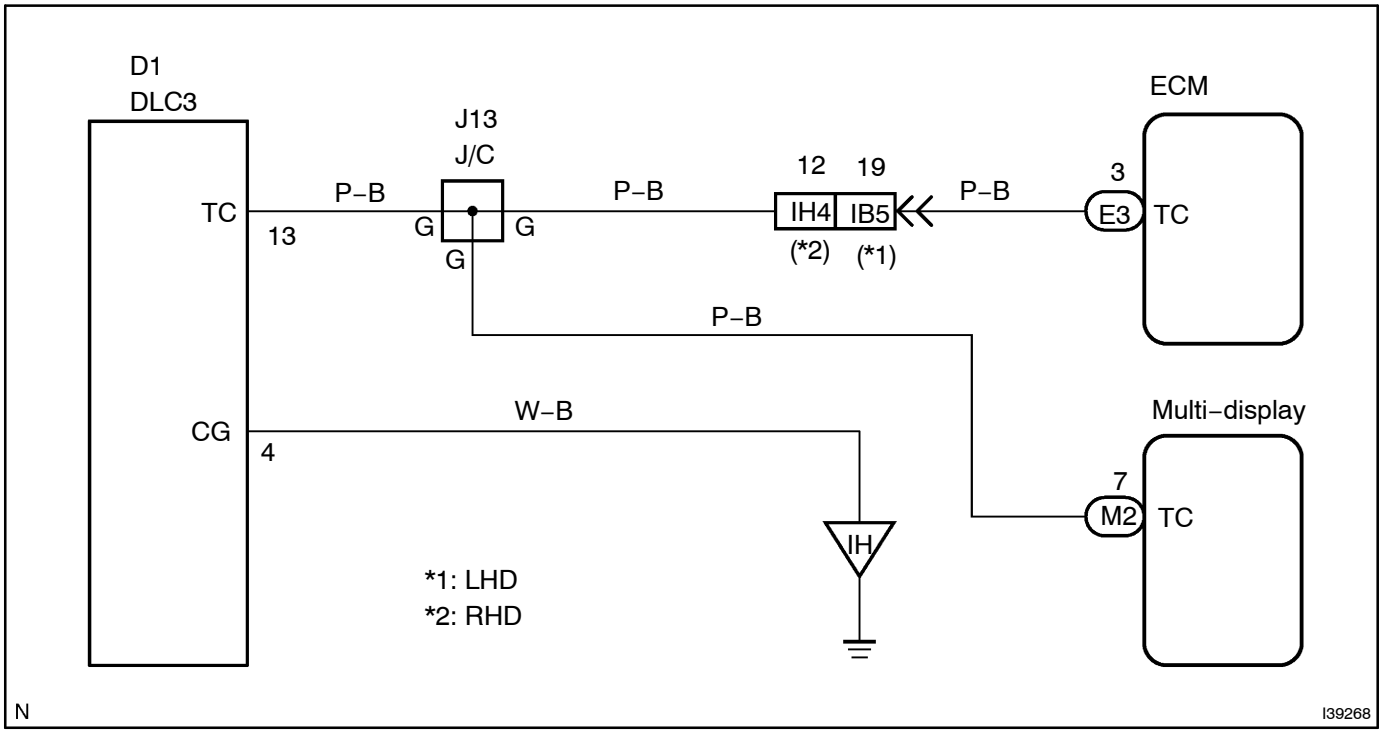
DIAGNOSIS CIRCUIT

CIRCUIT DESCRIPTION

Making a short circuit between terminals TC and CG of the DLC3 will output DTCs from the DLC3.

WIRING DIAGRAM

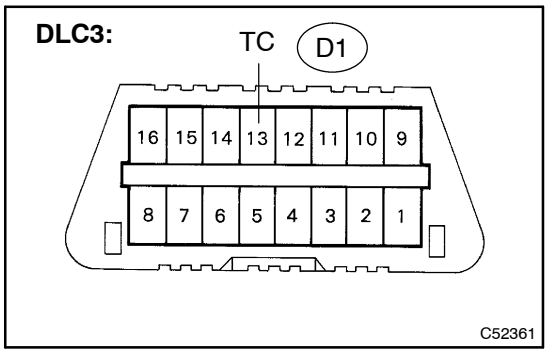


HINT:

- Make sure that DTC B1281 has not been output. If DTC B1281 has been output, refer to the multiplex communication system.
- When each warning light stays blinking, a ground short in the wiring of terminal TC of the DLC3 or an internal ground short in each ECU is suspected.
- The DTC output mode signal is transmitted through BEAN to each ECU including the airbag sensor assy center, except for the skid control ECU with actuator. Thus when all systems except the ABS system do not enter DTC output mode, it can be suspected that there is an ECM malfunction.

INSPECTION PROCEDURE

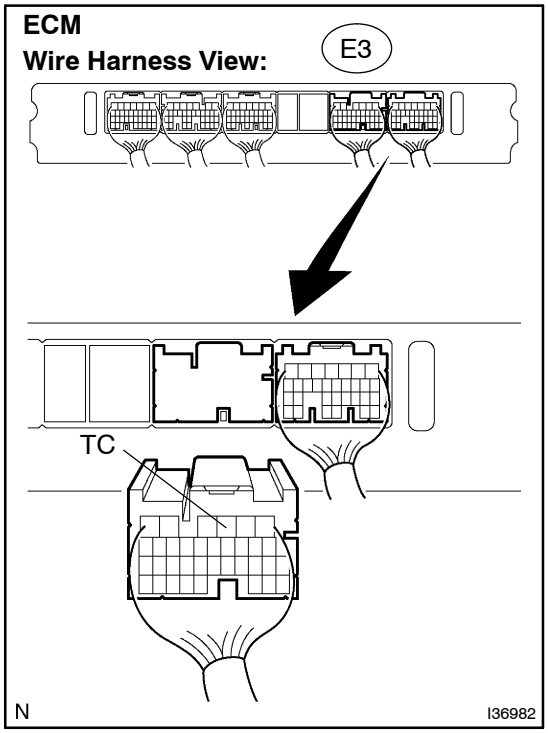
1	CHECK WIRE HARNESS(TC of DLC3 – ECM)



(a) Disconnect the ”E3” connector from the ECM.
(b) Measure the resistance according to the value(s) in the table below.

Standard:

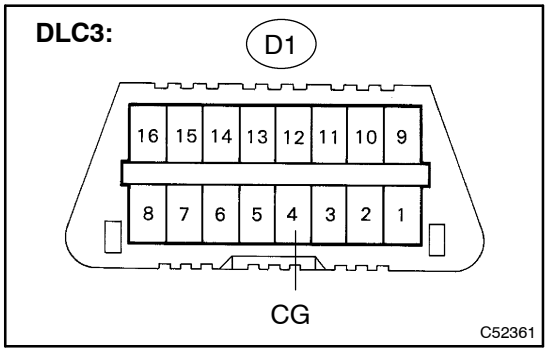
Tester connection	Condition	Specified condition
TC (E3–3) – TC (D1–13)	Always	Below 1 Ω



NG → **REPAIR OR REPLACE WIRE HARNESS(CG of DLC3 – BODY GROUND)**

OK

2 CHECK WIRE HARNESS(CG of DLC3 – BODY GROUND)



(a) Measure the resistance according to the value(s) in the table below.

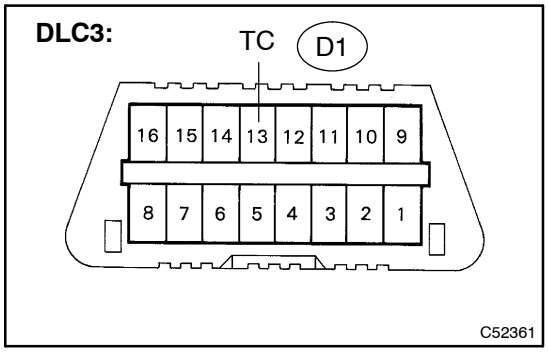
Standard:

Tester connection	Condition	Specified condition
CG (D1–4) – Body ground	Always	Below 1 Ω

NG → **REPAIR OR REPLACE WIRE HARNESS**

OK

3 CHECK WIRE HARNESS(TC of DLC3 – BODY GROUND)



(a) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
TC (D1–13) – Body ground	Always	1 MΩ or Higher

NG → **REPAIR OR REPLACE WIRE HARNESS OR EACH ECU**

OK

4 REPLACE ECM

(a) Check that the ECM.

Result:

A: Normal system code is output.

B: DTC is output.

C: ECM does not set the DTC output mode.

A → **END**

B → **GO TO INSPECTION PROCEDURE OF DTC OUTPUT**

C

REPLACE AIR BAG SENSOR ASSY CENTER (SEE PAGE 60–74)