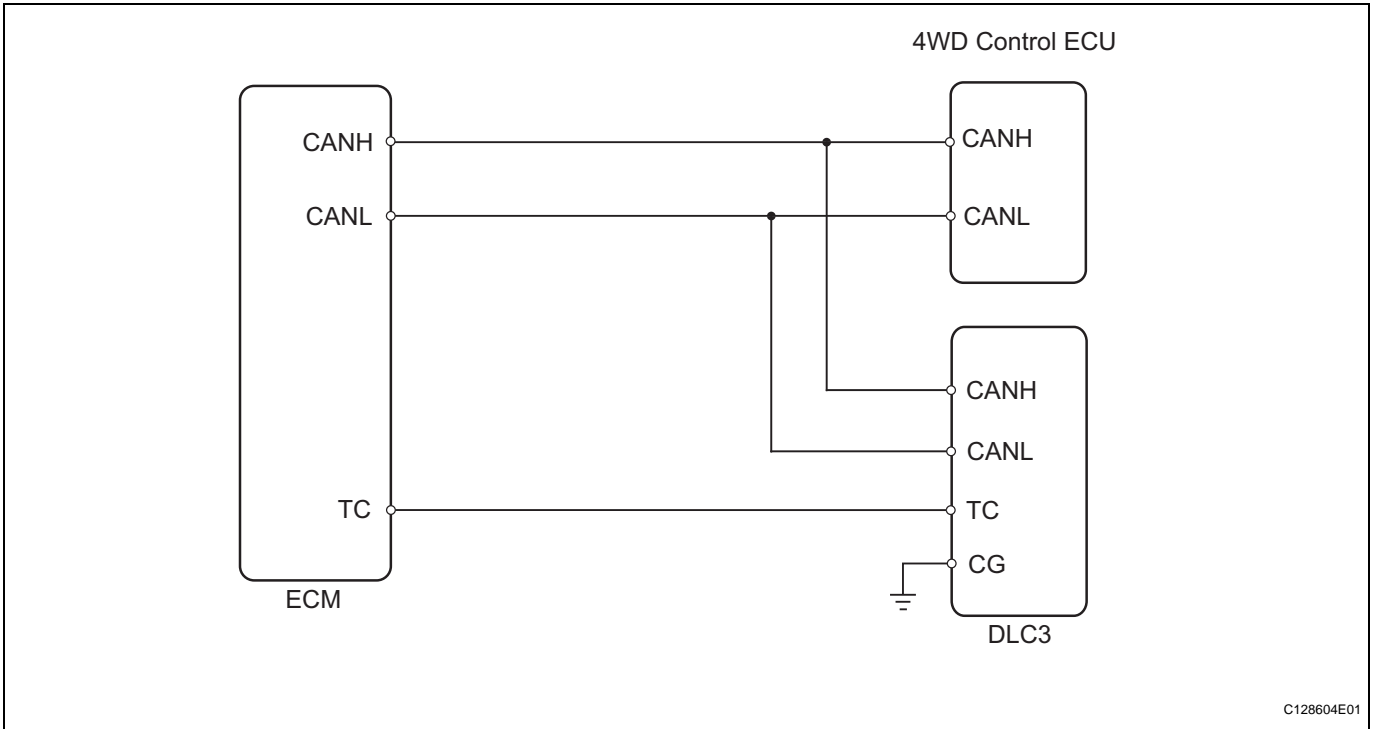


TC and CG Terminal Circuit

DESCRIPTION

Connecting terminals TC and CG of the DLC3 causes the 4WD control ECU to display 2-digit DTCs by flashing the 4WD indicator light.

WIRING DIAGRAM

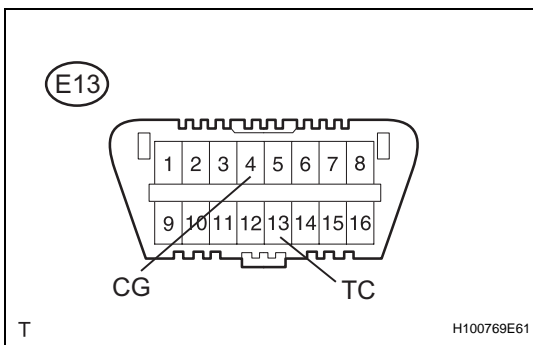


INSPECTION PROCEDURE

HINT:

Check the condition of each related circuit connector before troubleshooting (see page [IN-37](#)).

1 CHECK DLC3 (TC VOLTAGE)



- (a) Turn the ignition switch ON.
 - (b) Measure the voltage of the DLC3.
- Standard voltage**

Tester Connection	Specified Condition
E13-13 (TC) - E13- 4 (CG)	10 to 14 V

NG

Go to step 3

OK

2 CHECK CAN COMMUNICATION SYSTEM

- (a) Check if the CAN communication DTC is output (see page CA-10).

Result

Result	Proceed to
DTC is not output	A
DTC is output	B

B

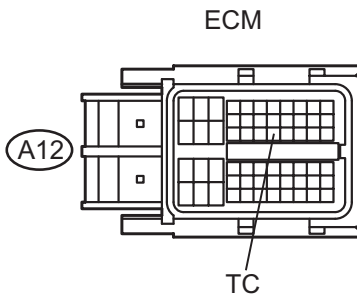
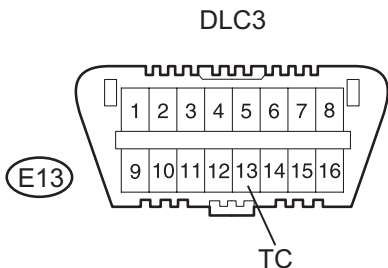
REPAIR CIRCUIT INDICATED BY OUTPUT DTC

A

REPLACE 4WD CONTROL ECU

3 CHECK WIRE HARNESS (DLC3 - ECM AND BODY GROUND)

Wire Harness Side



C126294E06

- (a) Turn the ignition switch OFF.
- (b) Disconnect the A12 ECM connector.
- (c) Measure the resistance of the wire harness side connectors.

Standard resistance

Tester Connection	Specified Condition
E13-13 (TC) - A12-27 (TC)	Below 1Ω
E13-13 (TC) - Body Ground	10kΩ or higher

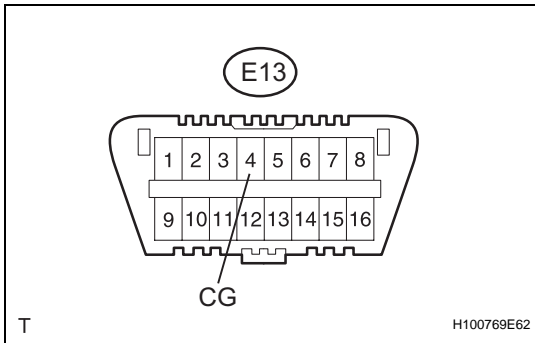
NG

REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

TF

4 CHECK WIRE HARNESS (DLC3 - BODY GROUND)



(a) Measure the resistance of the DLC3.

Standard resistance

Tester Connection	Specified Condition
E13-4 (CG) - Body ground	Below 1 Ω

B REPAIR OR REPLACE HARNESS AND CONNECTOR

A

5 CHECK CAN COMMUNICATION SYSTEM

(a) Check if the CAN communication DTC is output (see page CA-10).

Result

Result	Proceed to
DTC is not output	A
DTC is output	B

B REPAIR CIRCUIT INDICATED BY OUTPUT DTC

A

REPLACE 4WD CONTROL ECU

TF