

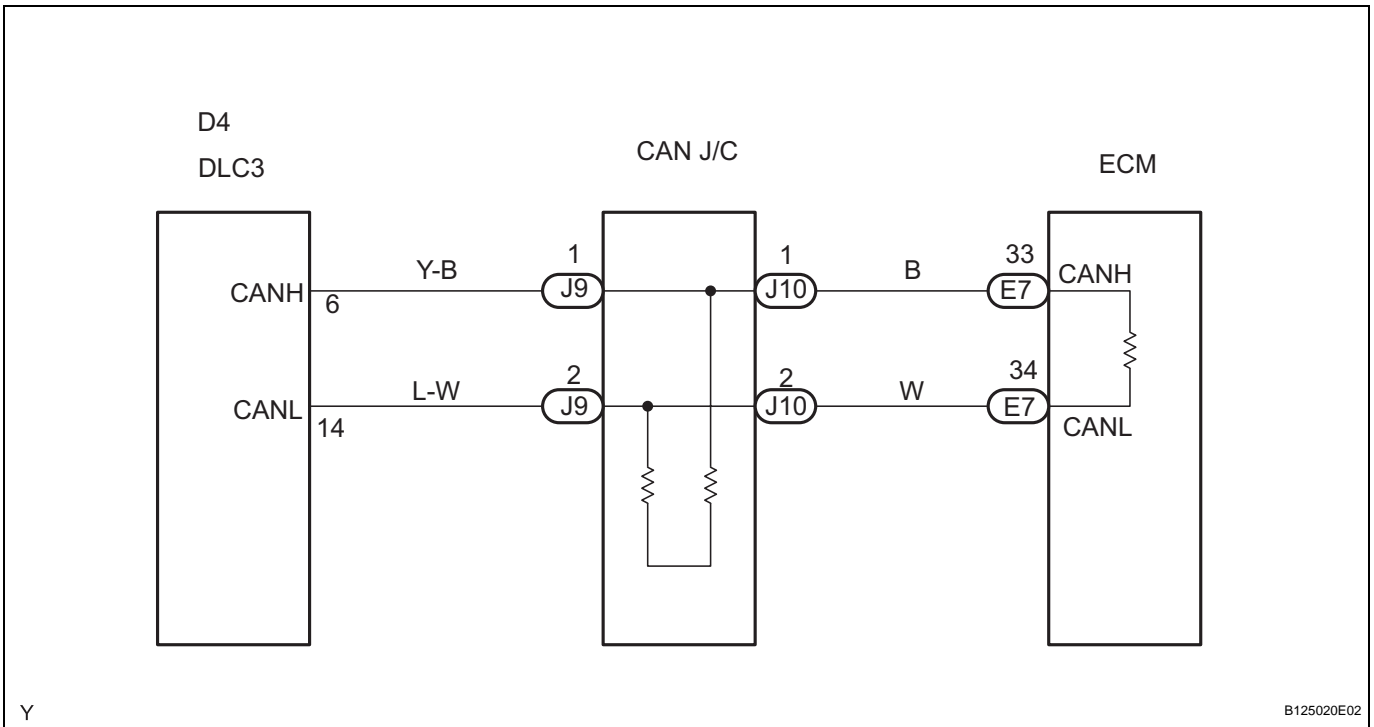
## Can Main Bus Line for Disconnection

### DESCRIPTION

The CAN main bus line and DLC3 sub bus line may have a disconnection when the resistance between terminals 6 (CANH) and 14 (CANL) of the DLC3 is more than 69 Ω.

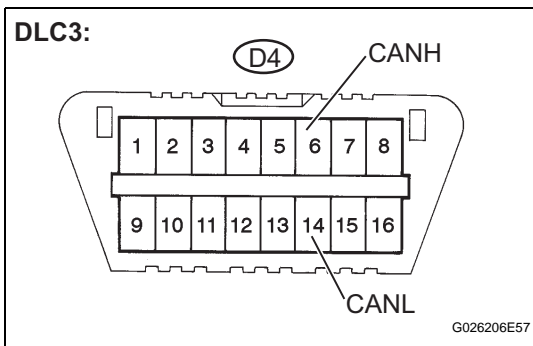
Symptom	Trouble Area
Resistance between terminals 6 (CANH) and 14 (CANL) of the DLC3 is more than 69 Ω.	<ul style="list-style-type: none"> <li>CAN main bus line</li> <li>ECM</li> <li>CAN J/C</li> </ul>

### WIRING DIAGRAM



CA

### 1 CHECK DLC3



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

#### Result

Tester connection	Condition	Specified value	Result
D4-6 (CANH) - D4-14 (CANL)	<ul style="list-style-type: none"> <li>IG switch OFF</li> <li>Stop light switch OFF</li> </ul>	108 to 132 Ω	A
D4-6 (CANH) - D4-14 (CANL)	<ul style="list-style-type: none"> <li>IG switch OFF</li> <li>Stop light switch OFF</li> </ul>	132 Ω or higher	B

**NOTICE:**

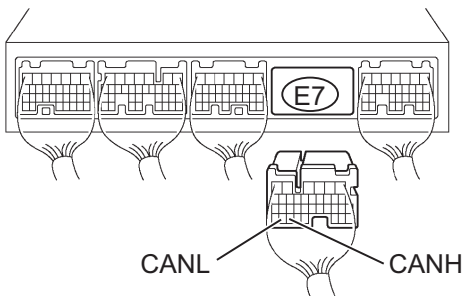
When the measured value is 132 Ω or more and a CAN communication system diagnostic code is output, there may be a fault other than a disconnection of the DLC3 sub bus line. For that reason, troubleshooting should be performed again from "How to Proceed with Troubleshooting" after repairing the trouble area.

**B** REPAIR OR REPLACE DLC3 BRANCH LINE OR CONNECTOR (CAN-H, CAN-L)

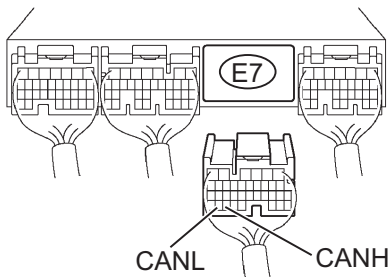
**A**

**2** CHECK CAN MAIN BUS LINE FOR DISCONNECTION (ECM - CAN J/C)

ECM Wire Harness View 1GR-FE:



ECM Wire Harness View 2TR-FE:



1101322E03

- (a) Disconnect the connector (E7) from the ECM.
- (b) Measure the resistance according to the value(s) in the table below.

**Standard resistance**

Tester Connection	Condition	Specified Condition
E7-33 (CANH) - E7-34 (CANL)	<ul style="list-style-type: none"> <li>• IG switch OFF</li> <li>• Stop light switch OFF</li> </ul>	108 to 132 Ω

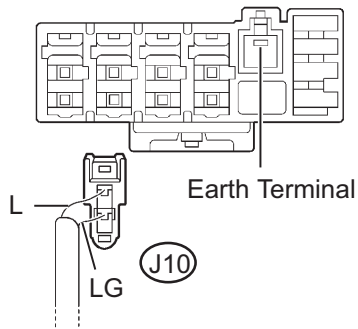
**OK** REPLACE ECM

**NG**

CA

**3 INSPECT CAN J/C**

**CAN J/C "A" Side (w/ Earth Terminal)  
Wire Harness View:**



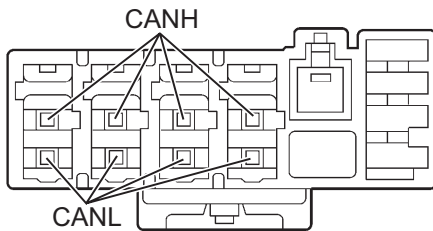
G031933E12

- (a) Disconnect the CAN main bus line connector (J10) from the CAN J/C.

**NOTICE:**

- Before disconnecting the connector, make a note of where it is connected.
- Reconnect the connector to its original position.

**CAN J/C "A" Side (w/ Earth Terminal):**



G026370E02

- (b) Measure the resistance according to the value in the table below.

**Standard resistance**

Between the terminals where the connector (J10) was connected	Condition	Specified value
CANH - CANL	<ul style="list-style-type: none"> <li>•IG switch OFF</li> <li>•Stop light switch OFF</li> </ul>	108 to 132 Ω

**CA**

**NG** → **REPLACE CAN J/C**

**OK**

**REPAIR OR REPLACE CAN MAIN BUS LINE OR CONNECTOR (CAN J/C - ECM)**