

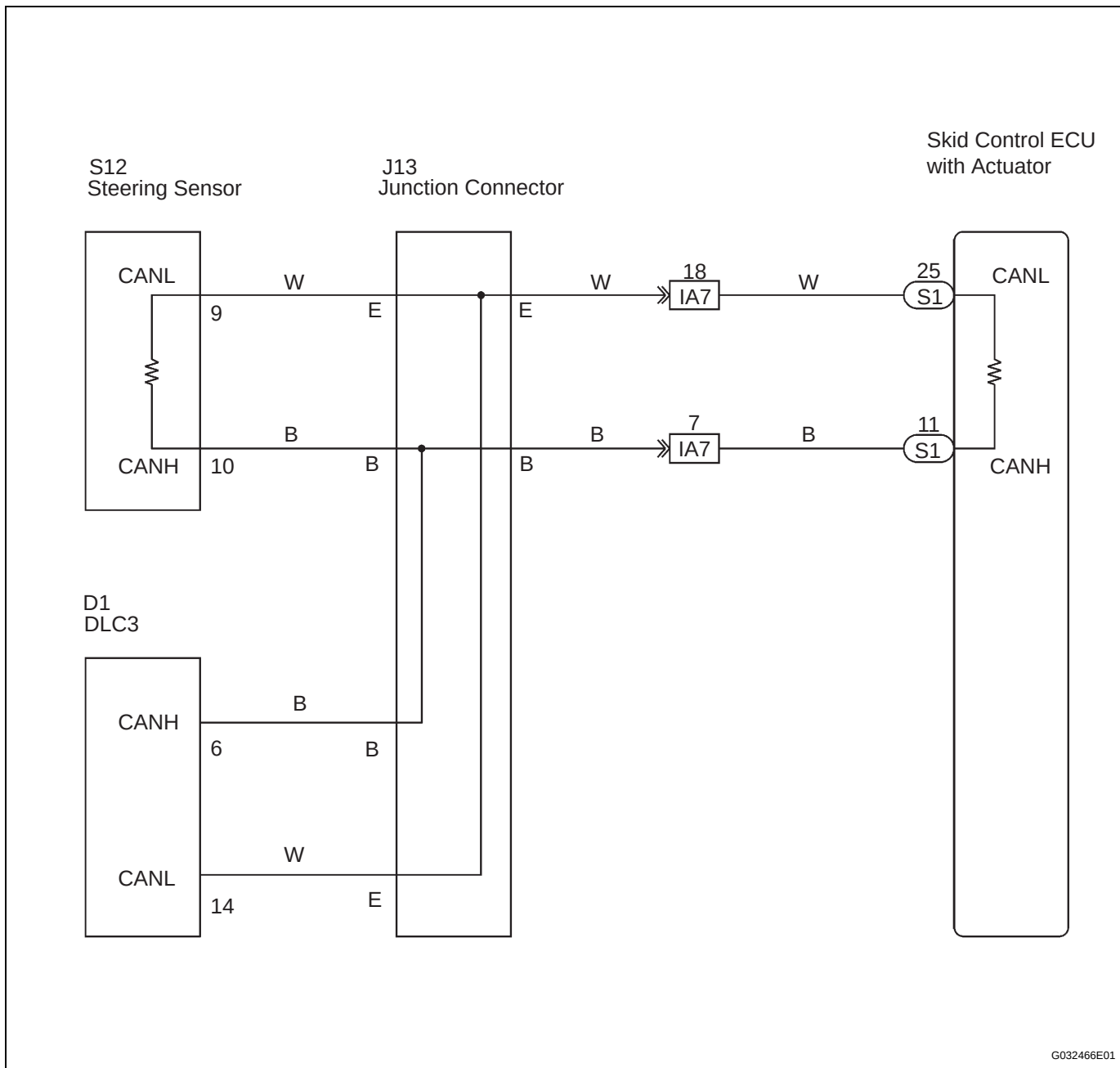
CAN Main Bus Line for Disconnection

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 DLC3 is more than 69 Ω .	- CAN main bus line - Skid control ECU - Steering sensor

WIRING DIAGRAM

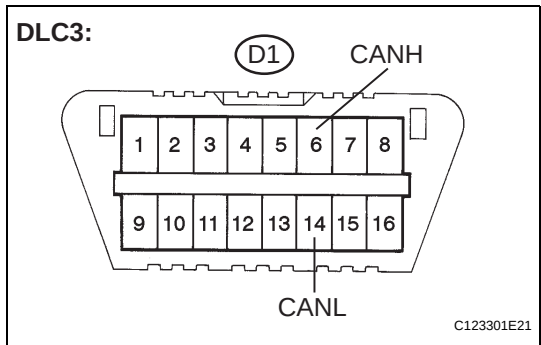


G032466E01

INSPECTION PROCEDURE

1

CHECK DLC3



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

Standard resistance

Tester connection	Condition	Specified value	Proceed to
D1-6 (CANH) - D1-14 (CANL)	IG switch OFF	108 to 132 Ω	A
D1-6 (CANH) - D1-14 (CANL)	IG switch OFF	132 Ω or higher	B

NOTICE:
When the measured value is 132 Ω or more and the CAN communication system diagnostic code is output, there may be a fault besides 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.

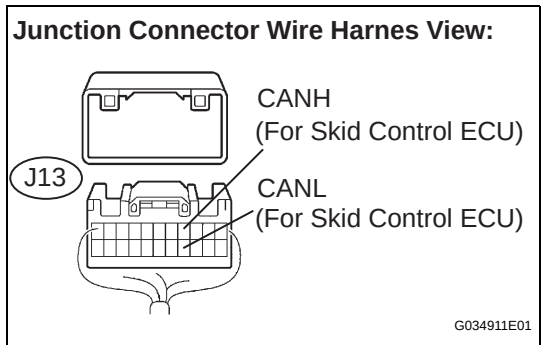
B

REPAIR OR REPLACE DLC3 SUB BUS LINE OR CONNECTOR (CAN-H, CAN-L)

A

2

CHECK CAN BUS MAIN WIRE (SKID CONTROL ECU - JUNCTION CONNECTOR)



- (a) Disconnect the connector (J13) from the junction connector.
(b) Measure the resistance according to the value(s) in the table below.

Standard resistance

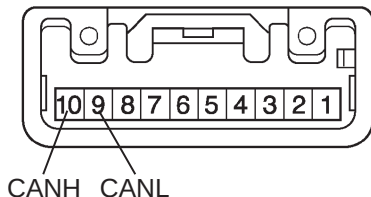
Tester Connection	Condition	Specified value
J13-4 (CANH) - J13-15 (CANL)	IG switch OFF	108 to 132 Ω

NG

Go to step 4

OK

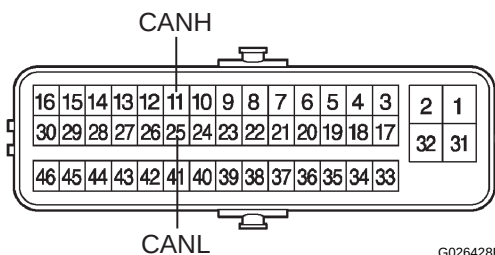
CA

3 CHECK STEERING SENSOR**Steering Sensor:**

- Disconnect the connector (S12) from the steering sensor.
- Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified value
10 (CANH) - 9 (CANL)	IG switch OFF	108 to 132 Ω

NG**REPLACE STEERING SENSOR****OK****REPAIR OR REPLACE CAN BUS MAIN WIRE OR CONNECTOR (STEERING SENSOR - JUNCTION CONNECTOR)****4 CHECK SKID CONTROL ECU****Skid Control ECU:**

- Disconnect the connector (S1) from the skid control ECU.
- Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified value
11 (CANH) - 25 (CANL)	IG switch OFF	108 to 132 Ω

NG**REPLACE SKID CONTROL ECU****OK****REPAIR OR REPLACE CAN BUS MAIN WIRE OR CONNECTOR (SKID CONTROL ECU - JUNCTION CONNECTOR)**