

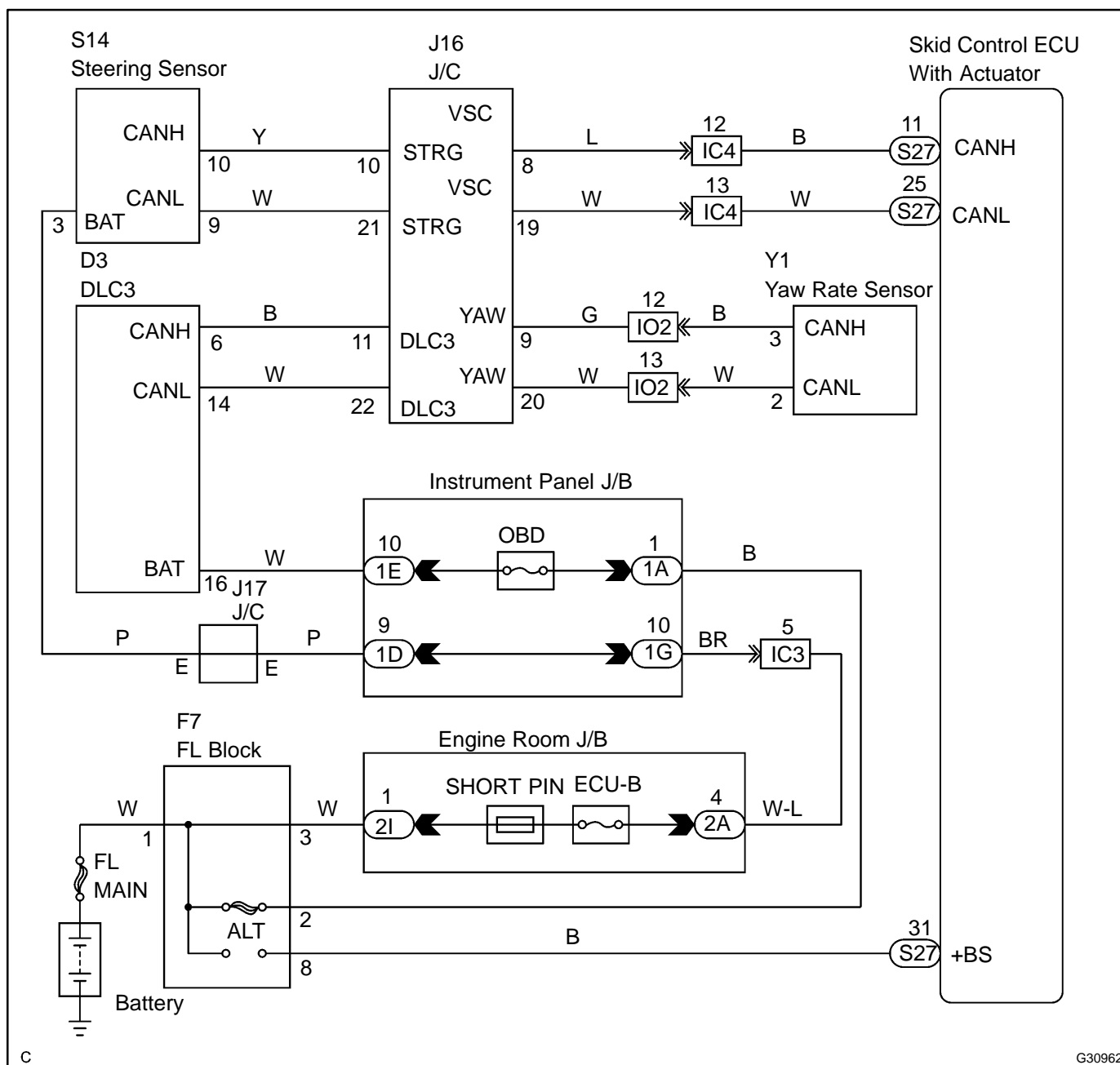
## CHECK CAN BUS LINE (CAN-H) FOR SHORT TO +B

### CIRCUIT DESCRIPTION

A short to +B is suspected in the CAN bus line when there is continuity between terminals 16 (BAT) and 6 (CANH) of the DLC3.

Symptom	Trouble Area
There is continuity between terminals 16 (BAT) and 6 (CANH) of DLC3.	<ul style="list-style-type: none"> <li>• Short to +B in CAN bus line (CANH)</li> <li>• Skid control ECU</li> <li>• Steering sensor</li> <li>• Yaw rate sensor</li> </ul>

### WIRING DIAGRAM

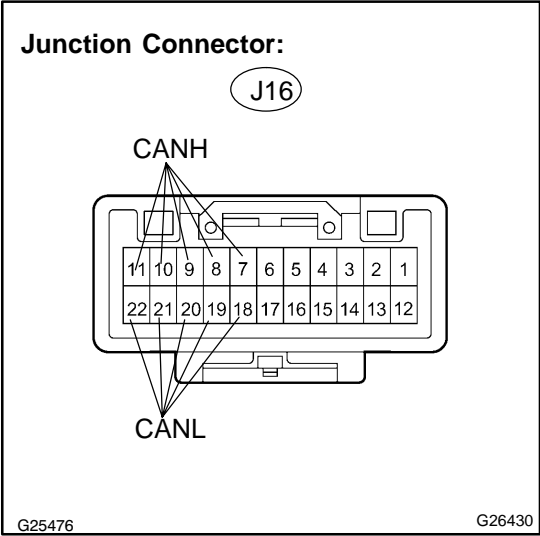


C

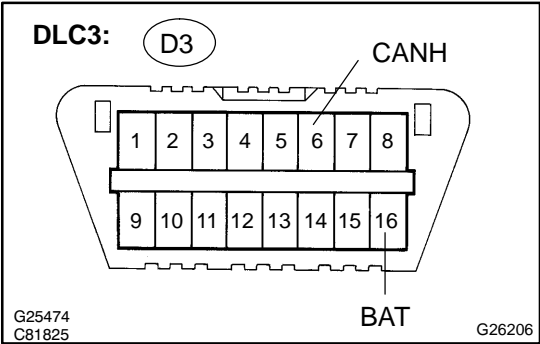
G30962

INSPECTION PROCEDURE

1 CHECK CAN BUS LINE FOR SHORT TO +B(DLC3 SUB BUS LINE, CAN-H)



(a) Disconnect the wire harness connector (J16) from the junction connector.



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

**Standard:**

Tester connection	Condition	Specified value
D3-6 (CANH) - D3-16 (BAT)	Ignition SW OFF	1 MΩ or more

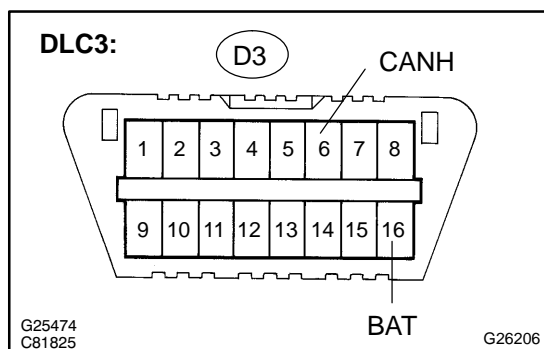
**NG** REPAIR OR REPLACE DLC3 SUB BUS LINE OR CONNECTOR (CAN-H)

**OK**

2 CONNECTION OF CONNECTORS

(a) Reconnect the wire harness connectors (J16) to the junction connector.

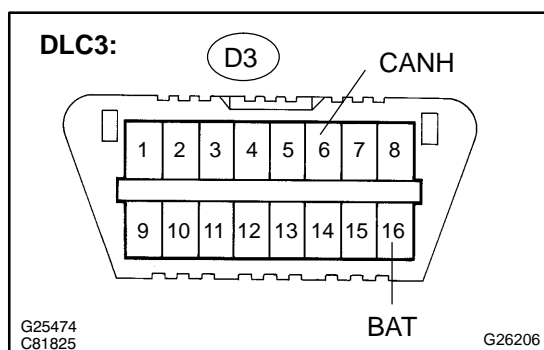


**3 CHECK CAN BUS LINE FOR SHORT TO +B(SKID CONTROL ECU, CAN-H)**

- Disconnect the connector (S27) from the skid control ECU.
- Measure the resistance according to the value(s) in the table below.

**Standard:**

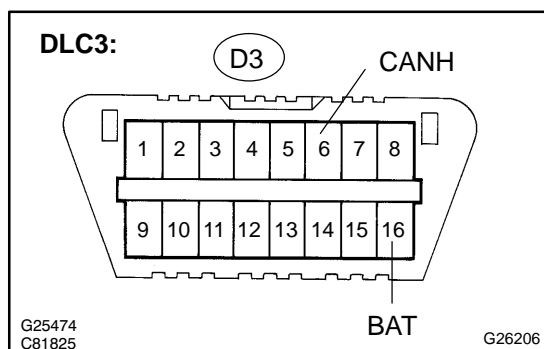
Tester connection	Condition	Specified value
D3-6 (CANH) - D3-16 (BAT)	Ignition SW OFF	1 MΩ or more

**OK****REPLACE SKID CONTROL ECU WITH ACTUATOR (SEE PAGE 32-37 )****NG****4 CHECK CAN BUS LINE FOR SHORT TO +B(STEERING SENSOR, CAN-H)**

- Reconnect the connector (S27) to the skid control ECU.
- Disconnect the connector (S14) from the steering sensor.
- Measure the resistance according to the value(s) in the table below.

**Standard:**

Tester connection	Condition	Specified value
D3-6 (CANH) - D3-16 (BAT)	Ignition SW OFF	1 MΩ or more

**OK****REPLACE STEERING SENSOR (SEE PAGE 32-48 )****NG****5 CHECK CAN BUS LINE FOR SHORT TO +B(YAW RATE SENSOR, CAN-H)**

- Reconnect the connector (S14) to the steering sensor.
- Disconnect the connector (Y1) from the yaw rate sensor.
- Measure the resistance according to the value(s) in the table below.

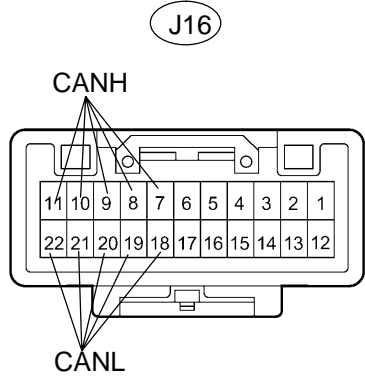
**Standard:**

Tester connection	Condition	Specified value
D3-6 (CANH) - D3-16 (BAT)	Ignition SW OFF	1 MΩ or more

**OK****REPLACE YAW RATE SENSOR (SEE PAGE 32-46 )****NG**

**6 CHECK CAN BUS LINE FOR SHORT TO +B(SKID CONTROL ECU - JUNCTION CONNECTOR, CAN-H)**

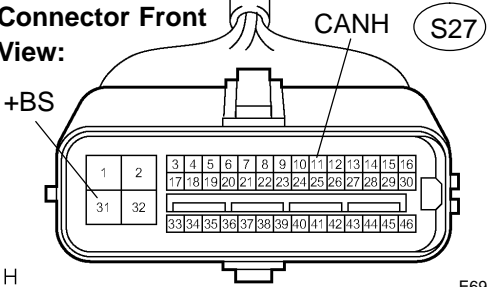
**Junction Connector:**



G25476

G26430

**Skid Control ECU  
Connector Front  
View:**



H

E69126

- (a) Reconnect the connector (Y1) to the yaw rate sensor.
- (b) Disconnect the wire harness connector (J16) from the junction connector.
- (c) Disconnect the connector (S27) from the skid control ECU.

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

**Standard:**

Tester connection	Condition	Specified value
S27-11 (CANH) - S27-31 (+BS)	Ignition SW OFF	1 MΩ or more

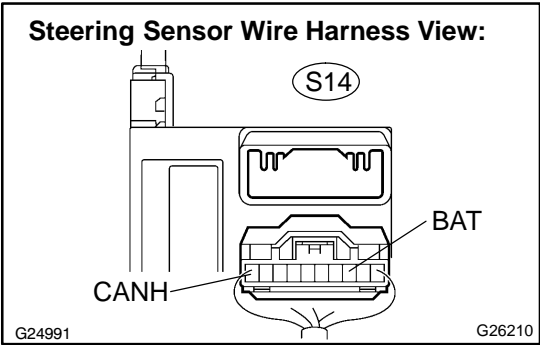
**NG**

**REPAIR OR REPLACE CAN MAIN BUS LINE OR CONNECTOR (SKID CONTROL ECU - JUNCTION CONNECTOR, CAN-H)**

**OK**

7

CHECK CAN BUS LINE FOR SHORT TO +B(STEERING SENSOR - JUNCTION CONNECTOR, CAN-H)



- (a) Disconnect the connector (S14) from the steering sensor.
- (b) Measure the resistance according to the values in the table below.

Standard:

Tester connection	Condition	Specified value
S14-10 (CANH) - S14-3 (BAT)	Ignition SW OFF	1 MΩ or more

HINT:

Check the wire harness connector connected to the junction connector while disconnecting it.

NG

REPAIR OR REPLACE CAN MAIN BUS LINE OR CONNECTOR (STEERING SENSOR - JUNCTION CONNECTOR, CAN-H)

OK

REPAIR OR REPLACE YAW RATE SENSOR SUB BUS LINE OR CONNECTOR (CAN-H)