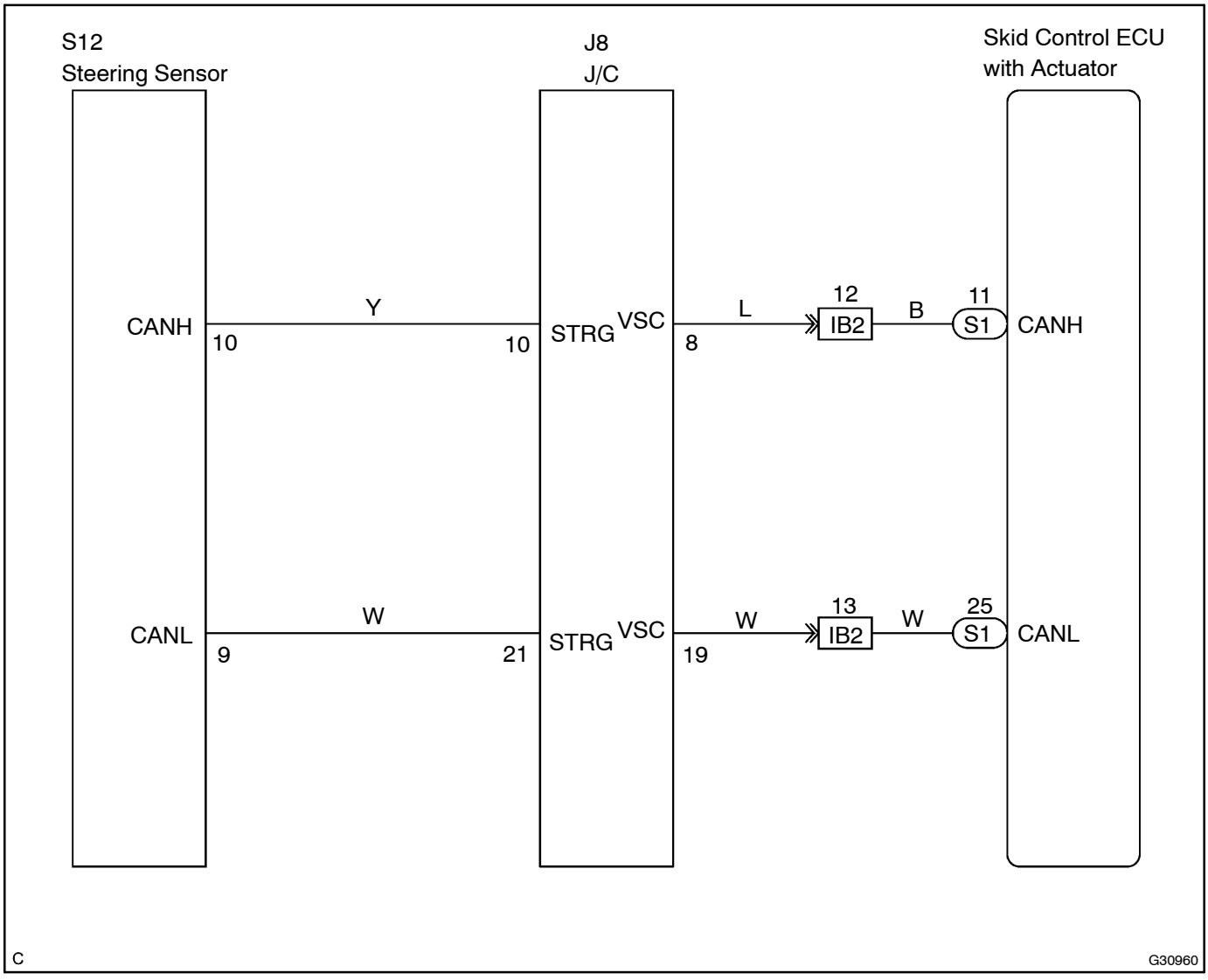
CHECK CAN MAIN BUS LINE FOR DISCONNECTION

CIRCUIT 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.

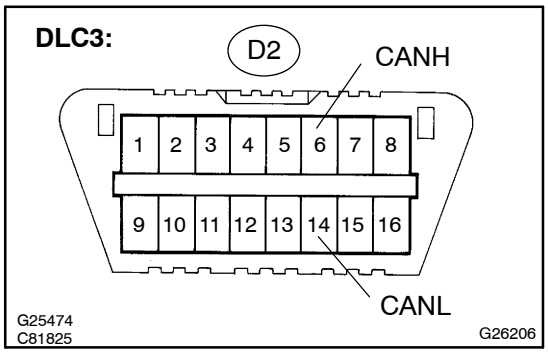
Symptom	Trouble Area
Resistance between terminals 6 (CANH) and 14 (CANL) of DLC3 is more than 69 Ω.	• CAN main bus line • Skid control ECU • Steering sensor

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK DLC3



(a) Turn the ignition switch to the LOCK position.
(b) Measure the resistance according to the value(s) in the table below.

Result:

Tester connection	Condition	Specified value	Result
D2–6 (CANH) – D2–14 (CANL)	IG Switch OFF	108 to 132 Ω	A
D2–6 (CANH) – D2–14 (CANL)	IG Switch OFF	132 Ω or more	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	READ OUTPUT DTC

(a) Read the output diagnostic codes.

Standard:

U0073/94, U0123/62, U0124/95 and U0126/63 are output simultaneously.	A
Only U0126/63 is output.	B

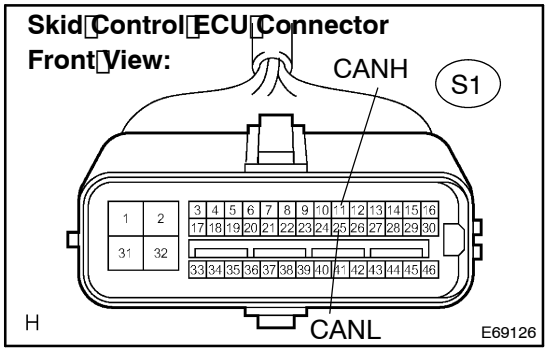
NOTICE:

Diagnostic codes other than the CAN communication system diagnostic codes (U0073/94, U0123/62, U0124/95, U0126/63) may be output simultaneously with the CAN codes.

B → **Go to step 4**

A

3	CHECK CAN MAIN BUS LINE FOR DISCONNECTION (SKID CONTROL ECU – JUNCTION CONNECTOR)



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

Standard:

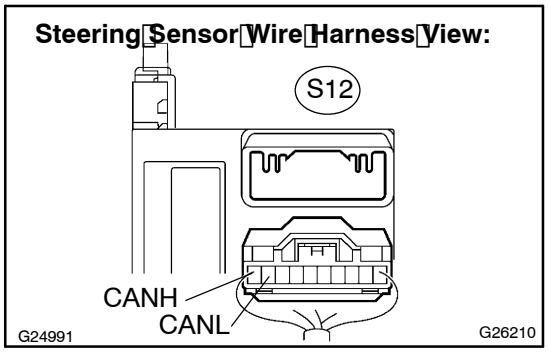
Tester connection	Condition	Specified value
S1–11 (CANH) – S1–25 (CANL)	IG Switch OFF	108 to 132 Ω

NG → **REPAIR OR REPLACE CAN MAIN BUS LINE OR CONNECTOR (SKID CONTROL ECU – JUNCTION CONNECTOR)**

OK

REPLACE SKID CONTROL ECU WITH ACTUATOR (SEE PAGE 32–43)

4	CHECK CAN MAIN BUS LINE FOR DISCONNECTION (STEERING SENSOR – JUNCTION CONNECTOR)



(a) Turn the ignition switch to the LOCK position.
(b) Disconnect the connector (S12) from the steering sensor.
(c) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified value
S12–10 (CANH) – S12–9 (CANL)	IG Switch OFF	108 to 132 Ω

NG → **REPAIR OR REPLACE CAN MAIN BUS LINE OR CONNECTOR (STEERING SENSOR – JUNCTION CONNECTOR)**

OK

REPLACE STEERING SENSOR (SEE PAGE 32–53)