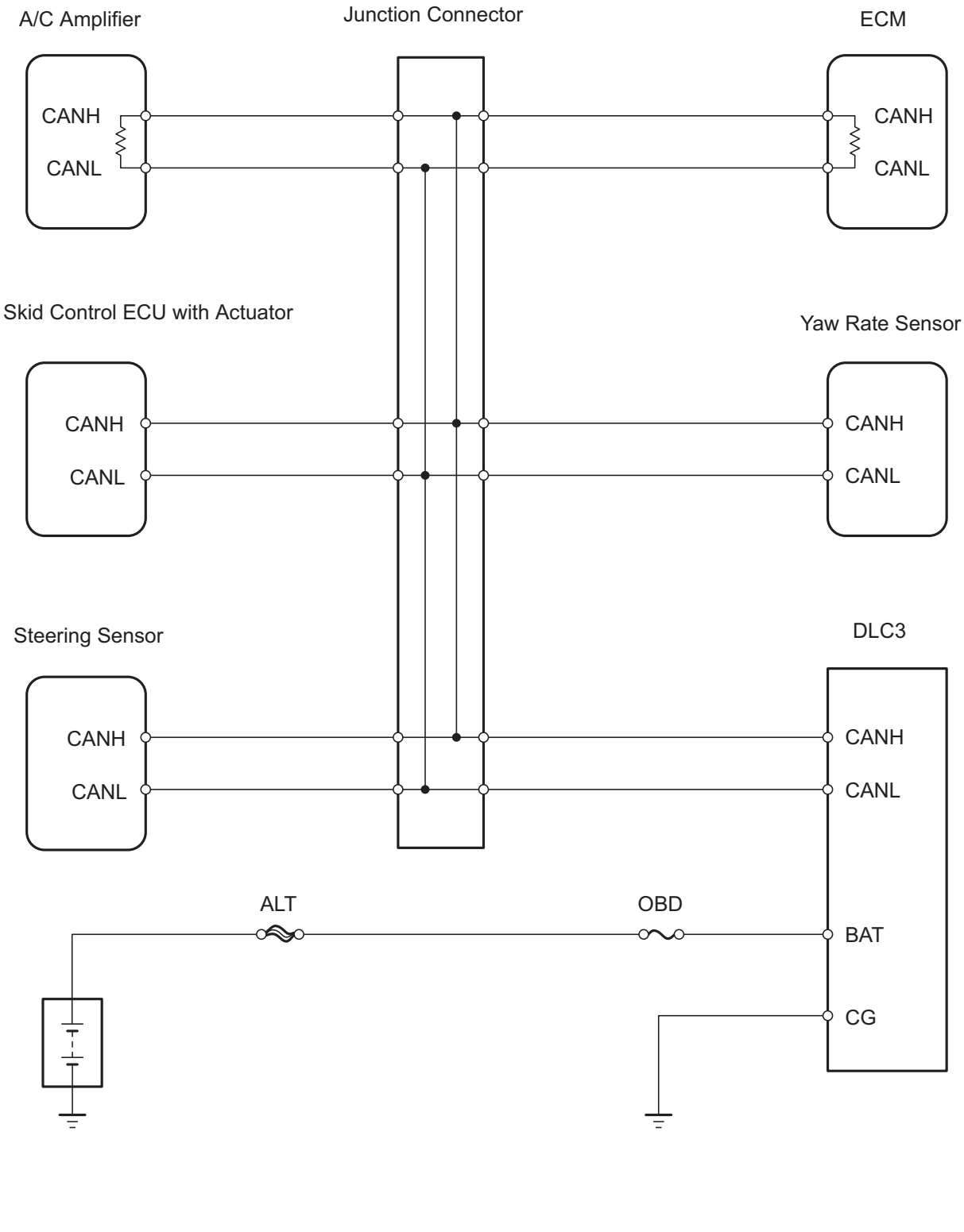
CAN Bus Line

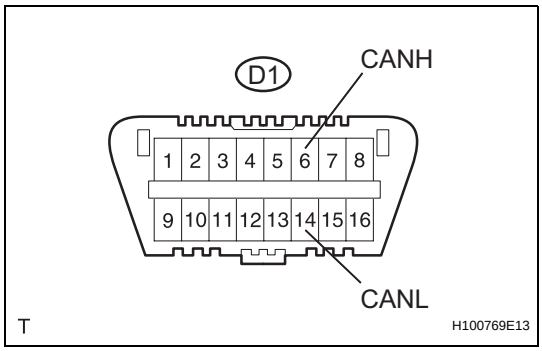
DESCRIPTION

When a CAN communication DTC is output, first measure the resistance between the terminals of the DLC3 to determine the trouble area.

WIRING DIAGRAM



1	CHECK CAN BUS LINE (MAIN BUS LINE FOR DISCONNECTION, BUS LINES FOR SHORT CIRCUIT)



(a) Measure the resistance of the DLC3.
Standard resistance

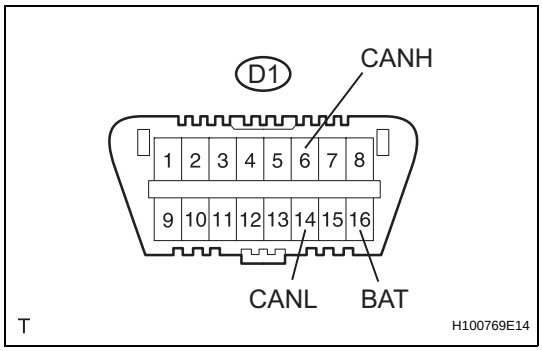
Tester Connection	Condition	Specified Condition	Proceed to
D1-6 (CANH) - D1-14 (CANL)	Ignition switch OFF	54 to 69 Ω	OK
D1-6 (CANH) - D1-14 (CANL)	Ignition switch OFF	69 Ω or higher	NG-A
D1-6 (CANH) - D1-14 (CANL)	Ignition switch OFF	Below 54 Ω	NG-B

NG-A → **CHECK CAN MAIN BUS LINE (FOR DISCONNECTION)**

NG-B → **CHECK CAN BUS LINE (FOR SHORT CIRCUIT)**

OK

2	CHECK CAN BUS LINE (FOR SHORT TO B+)



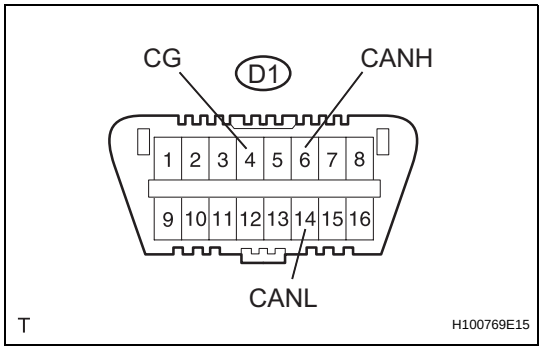
(a) Measure the resistance of the DLC3.
Standard resistance

Tester Connection	Condition	Specified Condition
D1-6 (CANH) - D1-16 (BAT)	Ignition switch OFF	1 MΩ or higher
D1-14 (CANL) - D1-16 (BAT)	Ignition switch OFF	1 MΩ or higher

NG → **CHECK CAN BUS LINE (FOR SHORT TO B+)**

OK

3	CHECK CAN BUS LINE (FOR SHORT TO GND)



(a) Measure the resistance of the DLC3.
Standard resistance

Tester Connection	Condition	Specified Condition
D1-4 (CG) - D1-6 (CANH)	Ignition switch OFF	3 kΩ or higher
D1-4 (CG) - D1-14 (CANL)	Ignition switch OFF	3 kΩ or higher

NG → **CHECK CAN BUS LINE (FOR SHORT TO GND)**

CA

OK

HOW TO PROCEED WITH TROUBLESHOOTING