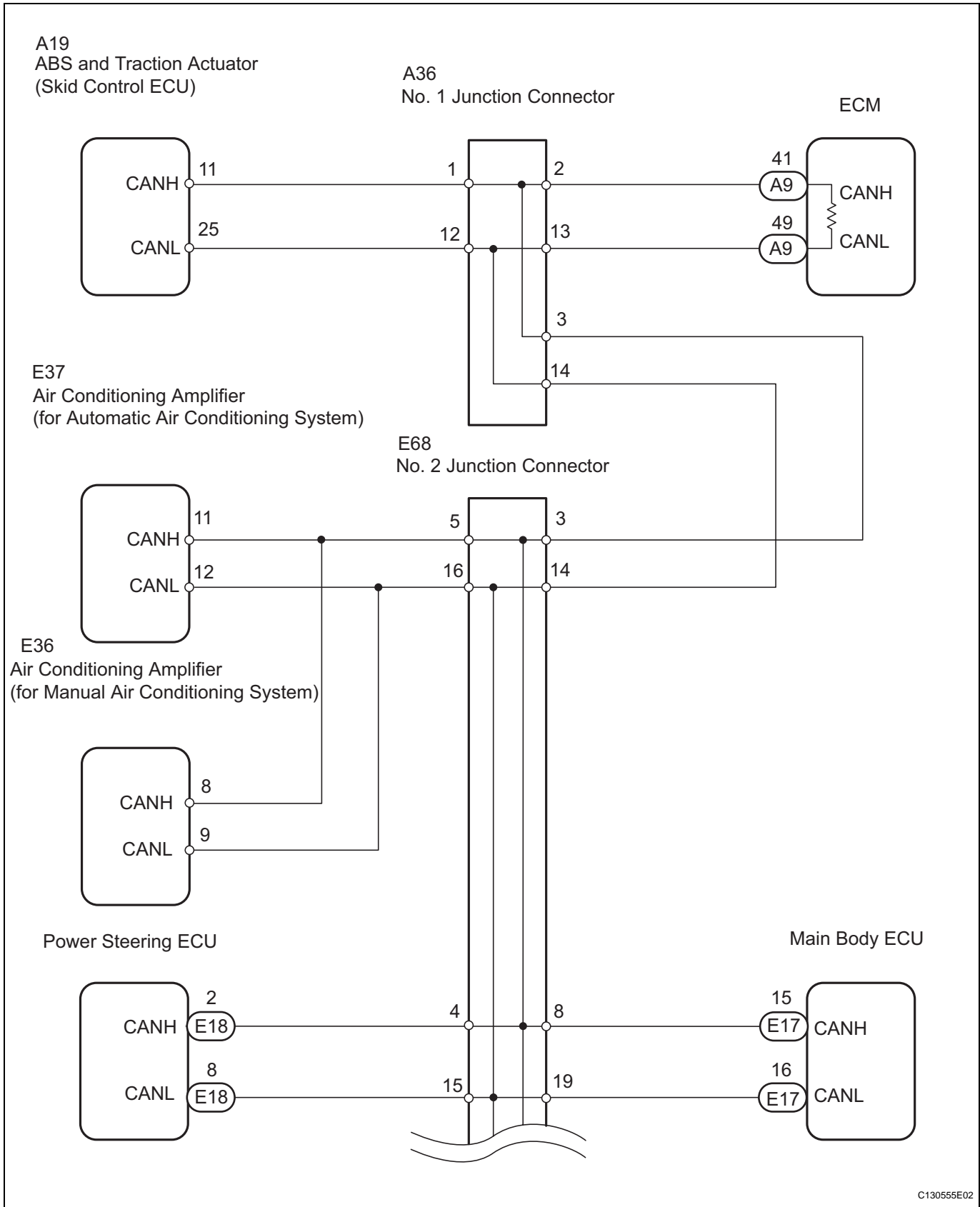


CAN Bus Line

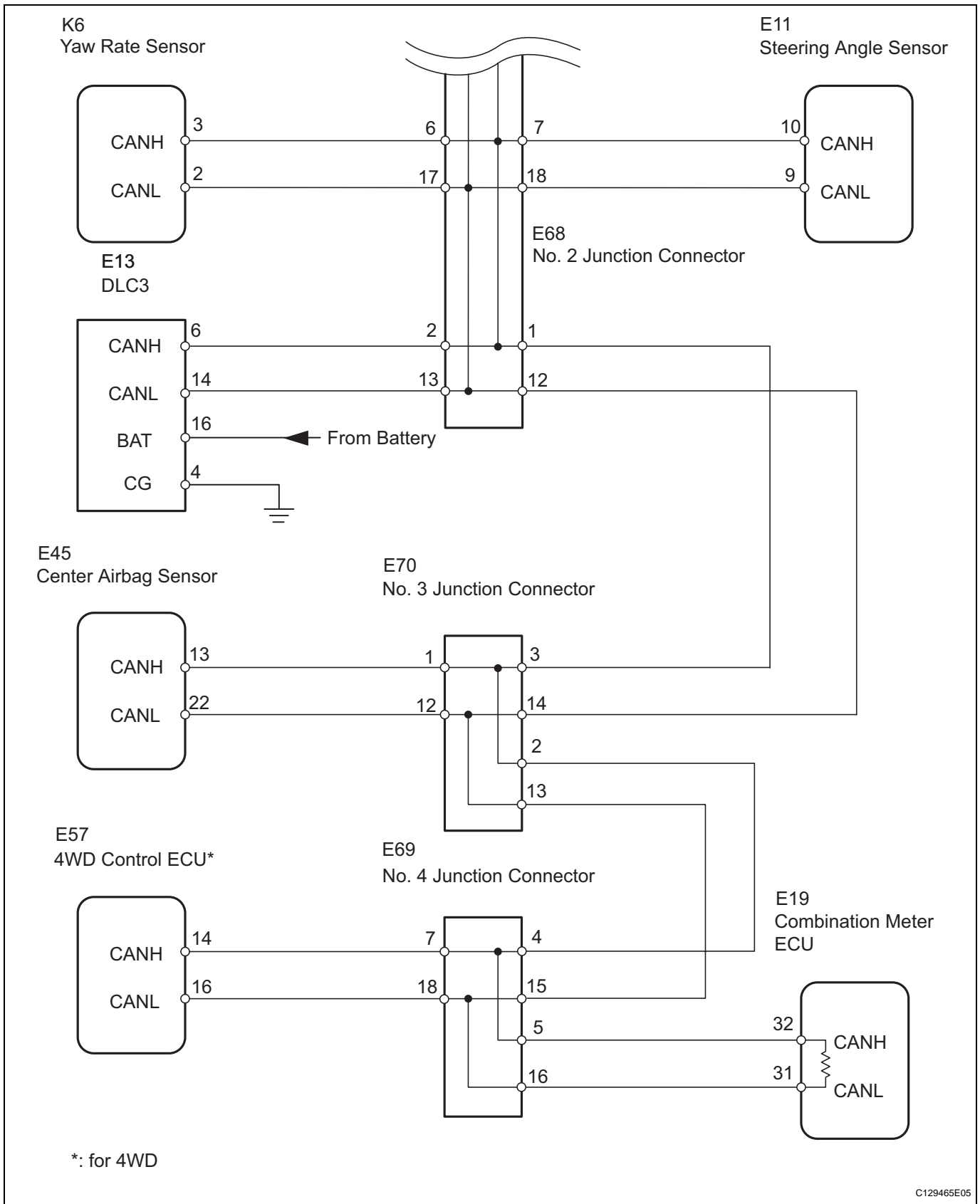
DESCRIPTION

When any DTC for the CAN communication system is output, first measure the resistance between the terminals of the DLC3 to specify the trouble area, and check that there is not a short in the CAN main wire, between the main wire, to +B, or to GND.

WIRING DIAGRAM



CA



CA

INSPECTION PROCEDURE

NOTICE:

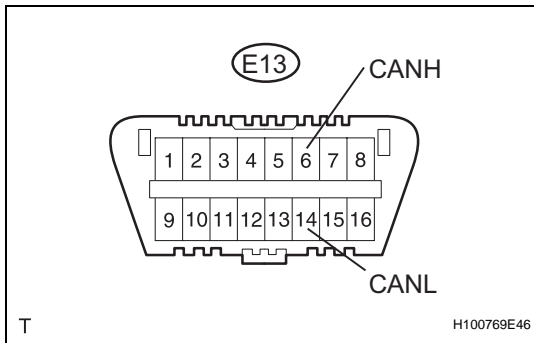
- Turn the ignition switch OFF before measuring the resistances of the main wire and the branch wire.

- After the ignition switch is turned OFF, check that the key reminder warning system and light reminder warning system are not in operation.
- Before measuring the resistance, leave the vehicle for at least 1 minute and do not operate the ignition switch, any switches or doors. If doors need to be opened in order to check connectors, open the doors and leave them open.

HINT:

Operating the ignition switch, any switches or any doors triggers related ECU and sensor communication with the CAN, which causes resistance variation.

1 CHECK CAN BUS WIRE (MAIN WIRE FOR OPEN, CAN BUS LINES FOR SHORT CIRCUIT)



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

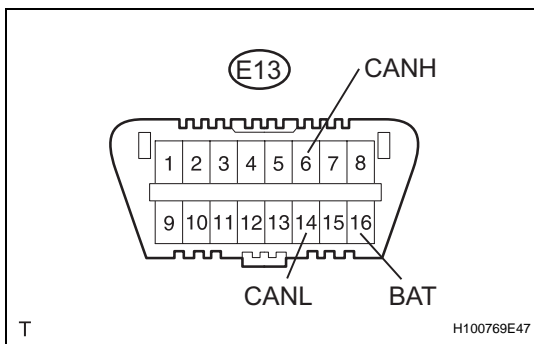
Tester Connection	Condition	Specified Condition	Proceed to
E13-6 (CANH) - E13-14 (CANL)	Ignition switch OFF	54 to 69 Ω	OK
E13-6 (CANH) - E13-14 (CANL)	Ignition switch OFF	69 Ω or more	NG-A
E13-6 (CANH) - E13-14 (CANL)	Ignition switch OFF	54 Ω or less	NG-B

NG-A → CHECK CAN MAIN WIRE FOR OPEN

NG-B → CHECK CAN BUS LINES FOR SHORT CIRCUIT

OK

2 CHECK CAN BUS LINE FOR SHORT TO +B



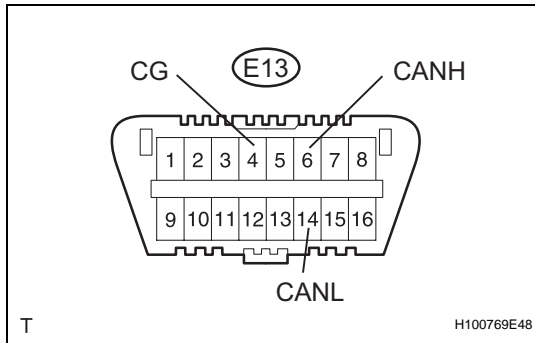
(a) Measure the resistance of the DLC3.
Standard resistance

Tester Connection	Condition	Specified Condition
E13-6 (CANH) - E13-16 (BAT)	Ignition switch OFF	1 MΩ or more
E13-14 (CANL) - E13-16 (BAT)	Ignition switch OFF	1 MΩ or more

NG → CHECK CAN BUS LINE FOR SHORT TO +B

OK

CA

3 CHECK CAN BUS LINE FOR SHORT TO GND

(a) Measure the resistance of the DLC3.

Standard resistance

Tester Connection	Condition	Specified Condition
E13-6 (CANH) - E13-4 (CG)	Ignition switch OFF	200 Ω or more
E13-14 (CANL) - E13-4 (CG)	Ignition switch OFF	200 Ω or more

NG**CHECK CAN BUS LINE FOR SHORT TO GND****OK****CHECK HOW TO PROCEED WITH TROUBLESHOOTING****CA**