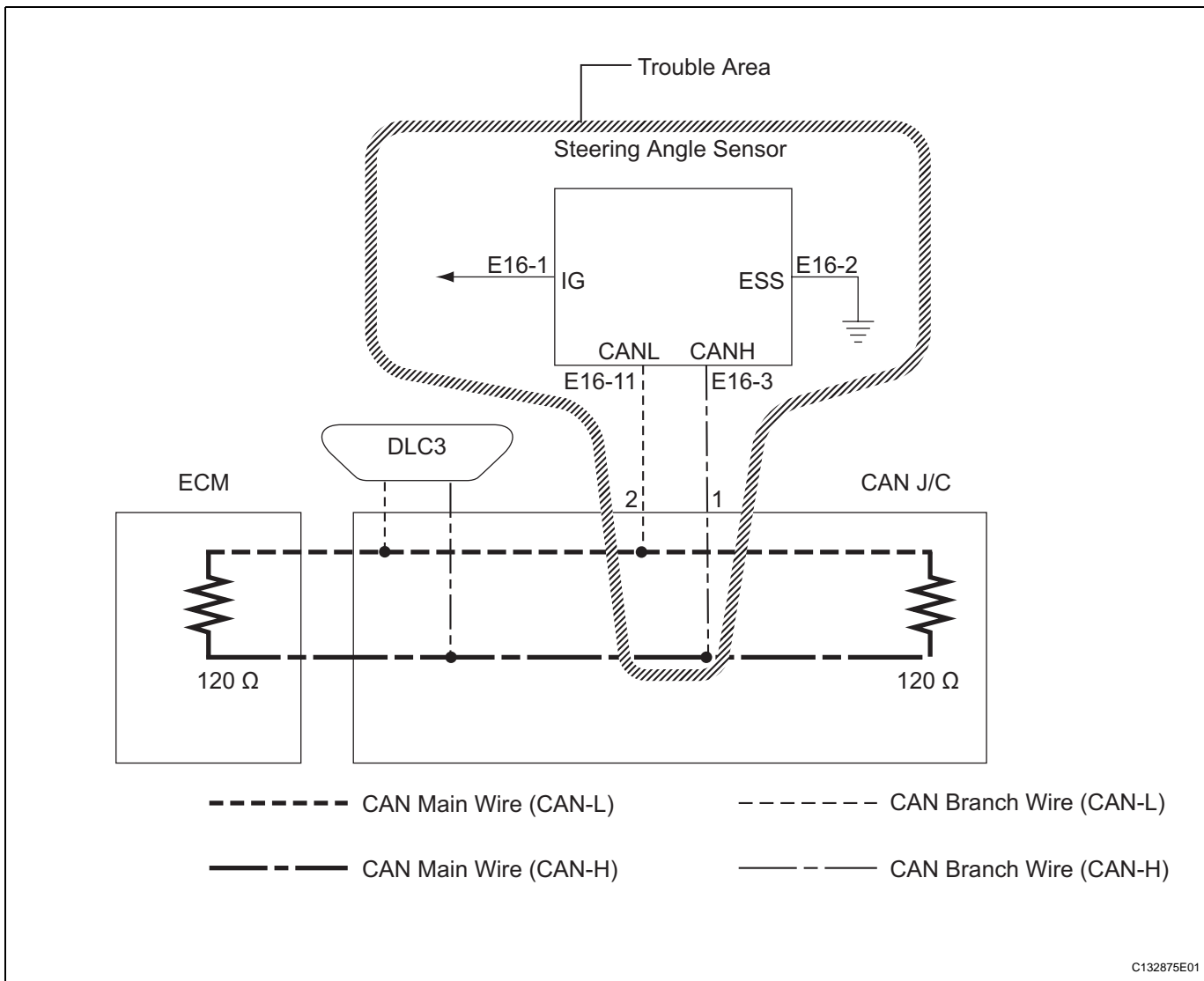


Steering Angle Sensor Communication Stop Mode

DESCRIPTION

Detection Item	Symptom	Trouble Area
Steering Angle Sensor Communication Stop Mode	<ul style="list-style-type: none"> "STEERING_SENSOR" not displayed on "BUS CHECK" screen of intelligent tester via CAN VIM Applies to "Steering Angle Sensor Communication Stop Mode" in "DTC combination table" 	<ul style="list-style-type: none"> Power source circuit of steering angle sensor Steering angle sensor branch wire or connector Steering angle sensor

WIRING DIAGRAM



INSPECTION PROCEDURE

NOTICE:

- Turn the ignition switch off before measuring the resistances of the CAN main wire and the CAN branch wire.
- After the ignition switch is turned off, check that the key reminder warning system is not in operation.

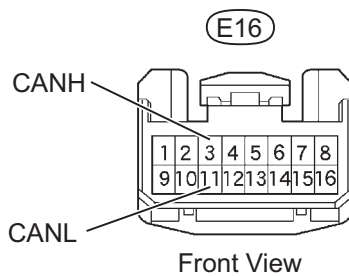
- Before measuring the resistance, leave the vehicle as is for at least 1 minute and do not operate the ignition switch, any other switches or the doors. If doors need to be opened in order to check connectors, open the doors and leave them open.

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 LINE FOR DISCONNECTION**Wire Harness Side:**

Steering Angle Sensor Connector



C133843E02

- Turn the ignition switch OFF.
- Disconnect the E16 steering angle sensor connector.
- Measure the resistance.

Standard resistance

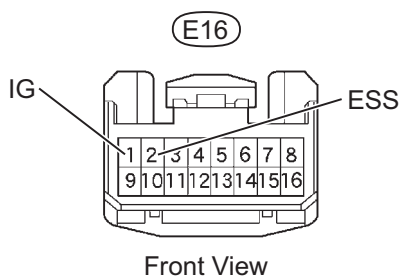
Tester Connection	Condition	Specified Condition
E16-3 (CANH) - E16-11 (CANL)	Ignition switch OFF	54 to 69 Ω

NG

REPAIR OR REPLACE CAN BRANCH WIRE CONNECTED TO STEERING ANGLE SENSOR (CAN-H, CAN-L)

OK**2 CHECK HARNESS AND CONNECTOR****Wire Harness Side:**

Steering Angle Sensor Connector



C133843E03

- Disconnect the E16 steering angle sensor connector.
- Measure the resistance.

Standard resistance

Tester Connection	Condition	Specified Condition
E16-2 (ESS) - Body ground	Always	Below 1 Ω

- Measure the voltage.

Standard voltage

Tester Connection	Condition	Specified Condition
E16-1 (IG) - Body ground	Ignition switch ON	11 to 14 V

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK**REPLACE STEERING ANGLE SENSOR****CA**