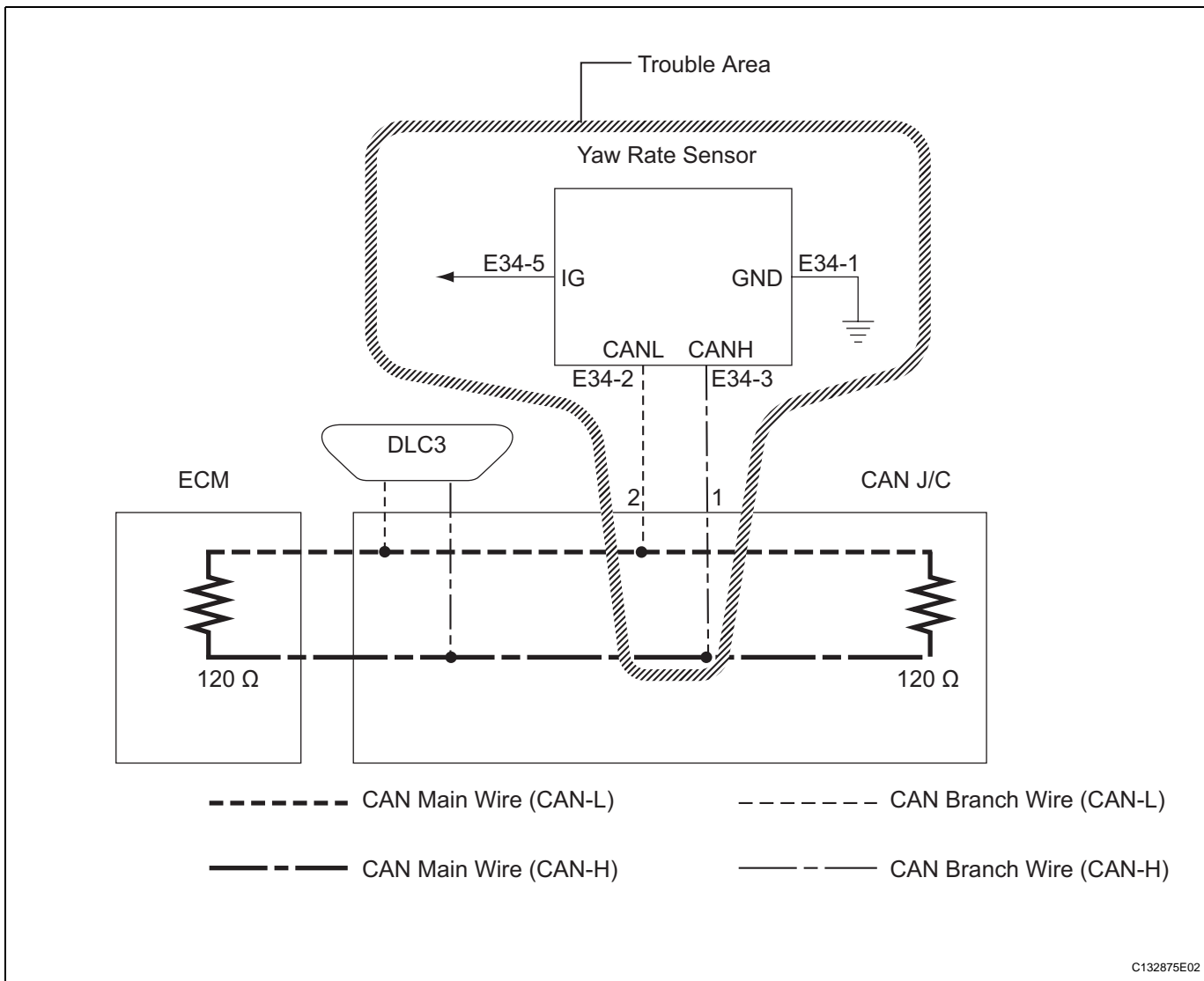


## Yaw Rate Sensor Communication Stop Mode

### DESCRIPTION

Detection Item	Symptom	Trouble Area
Yaw Rate Sensor Communication Stop Mode	<ul style="list-style-type: none"> <li>"YAW/DECELERATE" not displayed on "BUS CHECK" screen of intelligent tester via CAN VIM</li> <li>Applies to "Yaw Rate Sensor Communication Stop Mode" in "DTC combination table"</li> </ul>	<ul style="list-style-type: none"> <li>Power source circuit of yaw rate sensor</li> <li>Yaw rate sensor branch wire or connector</li> <li>Yaw rate sensor</li> </ul>

### 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.

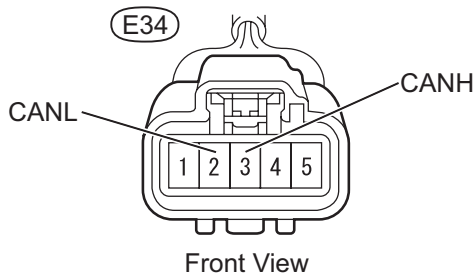
**HINT:**

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:

Yaw Rate Sensor Connector



C125957E09

- Turn the ignition switch OFF.
- Disconnect the E34 yaw rate sensor connector.
- Measure the resistance.

**Standard resistance**

Tester Connection	Condition	Specified Condition
E34-3 (CANH) - E34-2 (CANL)	Ignition switch OFF	54 to 69 Ω

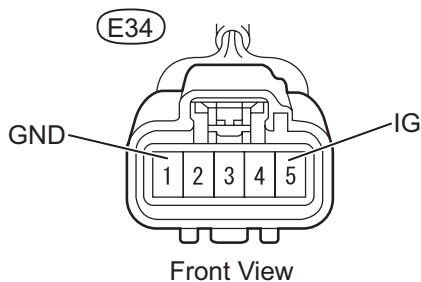
**NG** REPAIR OR REPLACE CAN BRANCH WIRE CONNECTED TO YAW RATE SENSOR (CAN-H, CAN-L)

**OK**

**2 CHECK HARNESS AND CONNECTOR**

Wire Harness Side:

Yaw Rate Sensor Connector



C125957E10

- Disconnect the E34 yaw rate sensor connector.
- Measure the resistance.

**Standard resistance**

Tester Connection	Condition	Specified Condition
E34-1 (GND) - Body ground	Ignition switch OFF	Below 1 Ω

- Measure the voltage.

**Standard voltage**

Tester Connection	Condition	Specified Condition
E34-5 (IG) - Body ground	Ignition switch ON	11 to 14 V

**NG** REPAIR OR REPLACE HARNESS OR CONNECTOR

**OK**

**REPLACE YAW RATE SENSOR**