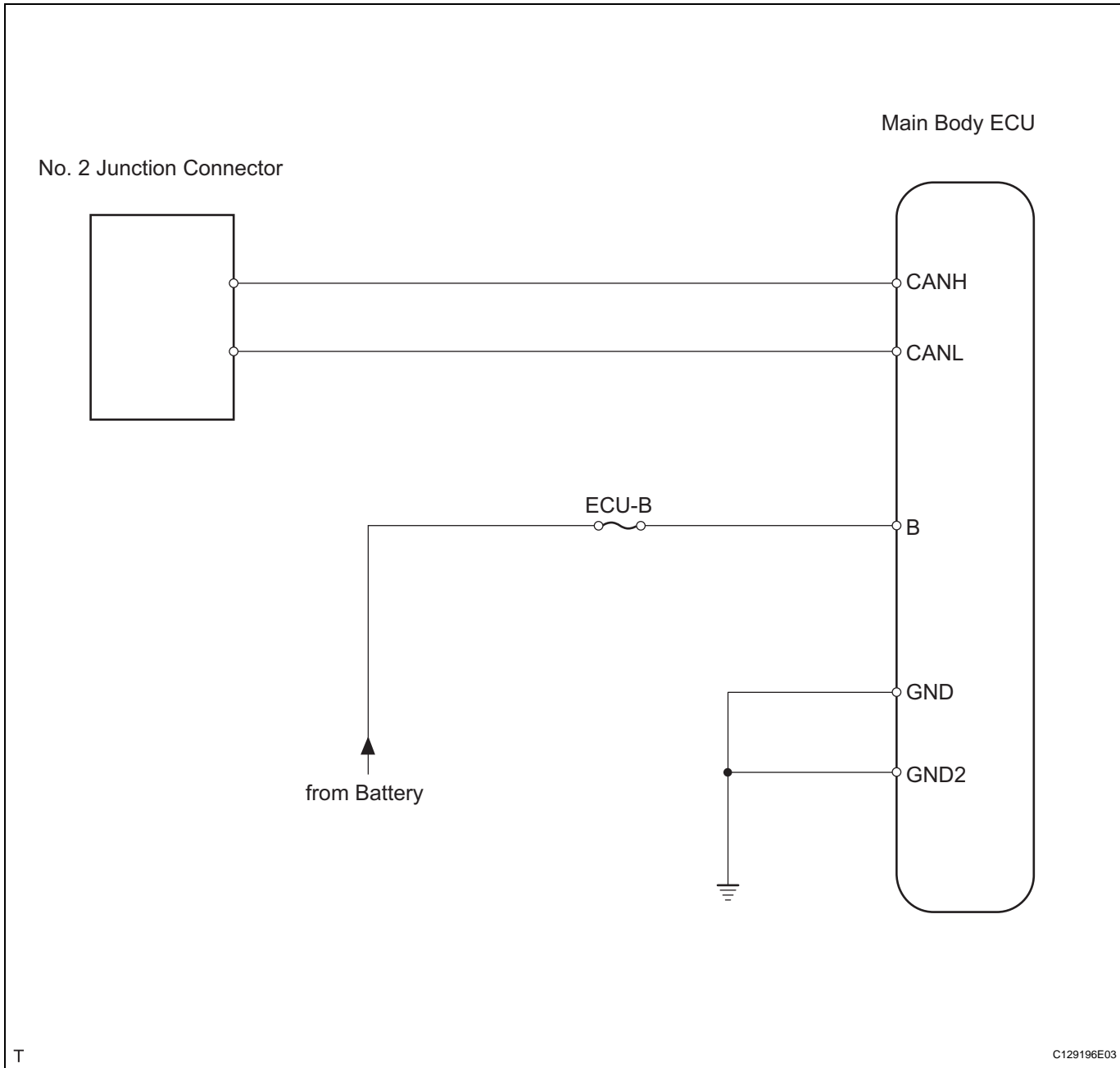


# Main Body ECU Communication Stop Mode

## DESCRIPTION

Detection Item	Symptom	Trouble Area
MAIN BODY ECU COMMUNICATION STOP MODE	<ul style="list-style-type: none"> <li>MAIN BODY is not displayed on "BUS CHECK" screen of intelligent tester</li> <li>Applies to "MAIN BODY ECU COMMUNICATION STOP MODE" in "DTC COMBINATION TABLE"</li> </ul>	<ul style="list-style-type: none"> <li>Power source or inside main body ECU</li> <li>Main body ECU branch wire and connector</li> <li>Instrument panel junction block (Main body ECU)</li> </ul>

## WIRING DIAGRAM



## INSPECTION PROCEDURE

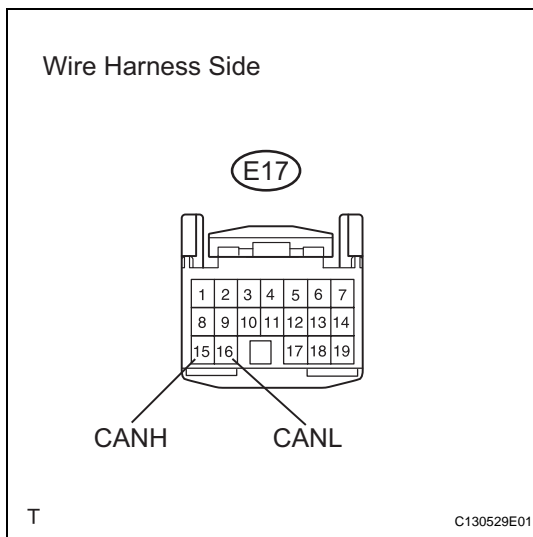
### NOTICE:

- 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 LINE FOR DISCONNECTION (MAIN BODY ECU BRANCH WIRE)



- Disconnect the E17 main body ECU connector.
- Measure the resistance of the wire harness side connector.

### Standard resistance

Tester Connection	Condition	Specified Condition
E17-15 (CANH) - E17-16 (CANL)	Ignition switch OFF	54 to 69 $\Omega$

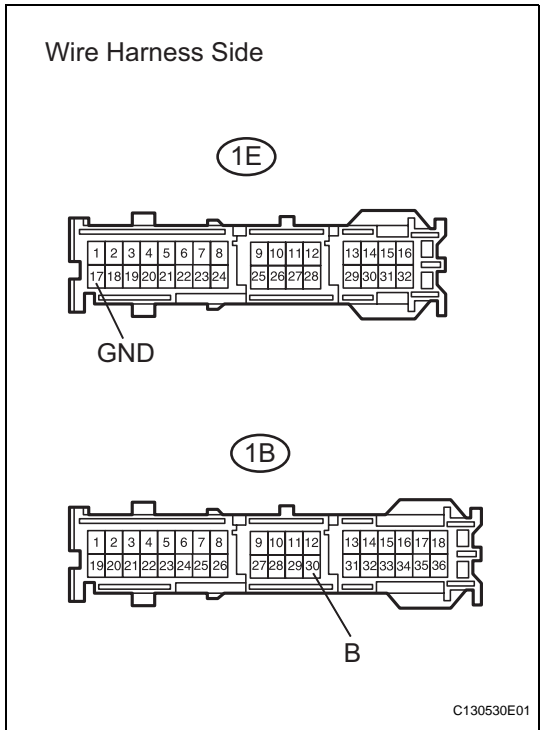
NG

**REPAIR OR REPLACE CAN BRANCH WIRE CONNECTED TO MAIN BODY ECU (CANH, CANL)**

OK

CA

**2 CHECK WIRE HARNESS (MAIN BODY ECU - BATTERY AND BODY GROUND)**



- (a) Disconnect the 1E and 1B junction block connectors.
- (b) Measure the resistance of the wire harness side connector.

**Standard resistance**

Tester Connection	Specified Condition
1E-17 (GND) - Body ground	Below 1 Ω

- (c) Measure the voltage of the wire harness side connector.

**Standard voltage**

Tester Connection	Specified Condition
1B-30 (B) - Body ground	10 to 14 V

**NG** REPAIR OR REPLACE HARNESS AND CONNECTOR

**OK**

**REPLACE INSTRUMENT PANEL JUNCTION BLOCK (MAIN BODY ECU)**

CA