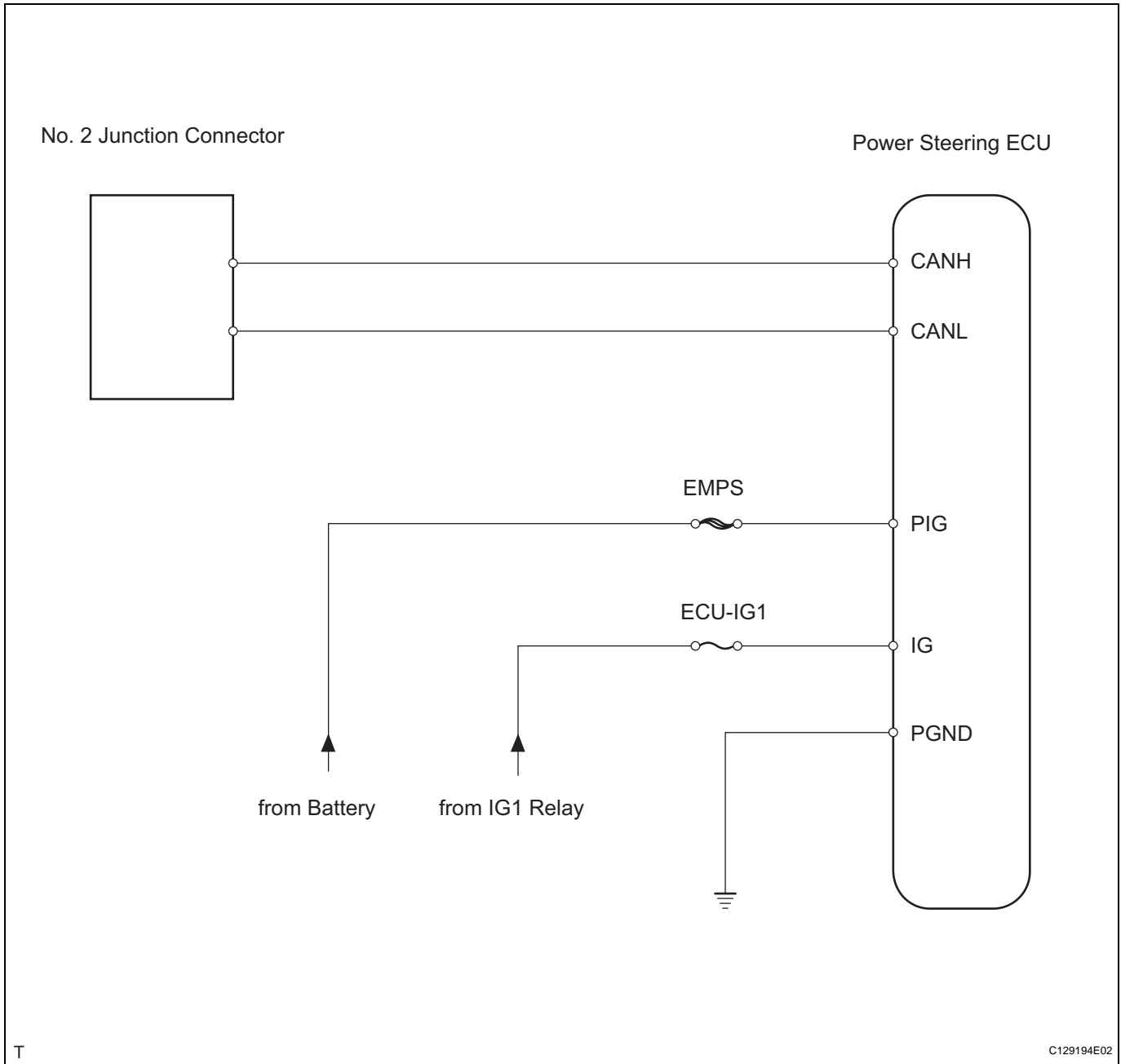


Power Steering ECU Communication Stop Mode

DESCRIPTION

Detection Item	Symptom	Trouble Area
POWER STEERING ECU COMMUNICATION STOP MODE	<ul style="list-style-type: none"> • EPS is not displayed on "BUS CHECK" screen of intelligent tester • Applies to "POWER STEERING ECU COMMUNICATION STOP MODE" in "DTC COMBINATION TABLE" 	<ul style="list-style-type: none"> • Power source or inside power steering ECU • Power steering ECU branch wire and connector • Power steering ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

NOTICE:

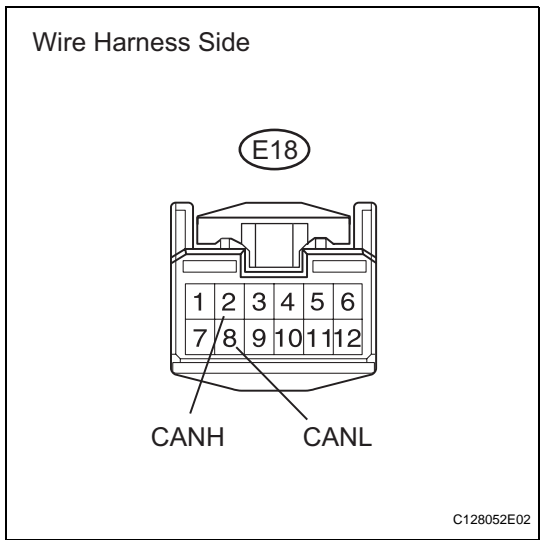
- Turn the ignition switch OFF before measuring the resistances of the main wire and the branch wire.
- After the ignition switch is turned OFF, check that the key reminder warning system and light reminder warning system are not in operation.
- Before measuring the resistance, leave the vehicle for 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 (POWER STEERING ECU MAIN WIRE)

CA



- (a) Disconnect the E18 power steering ECU connector.
- (b) Measure the resistance of the wire harness side connector.

Standard resistance

Tester Connection	Condition	Specified Condition
E18-2 (CANH) - E18-8 (CANL)	Ignition switch OFF	54 to 69 Ω

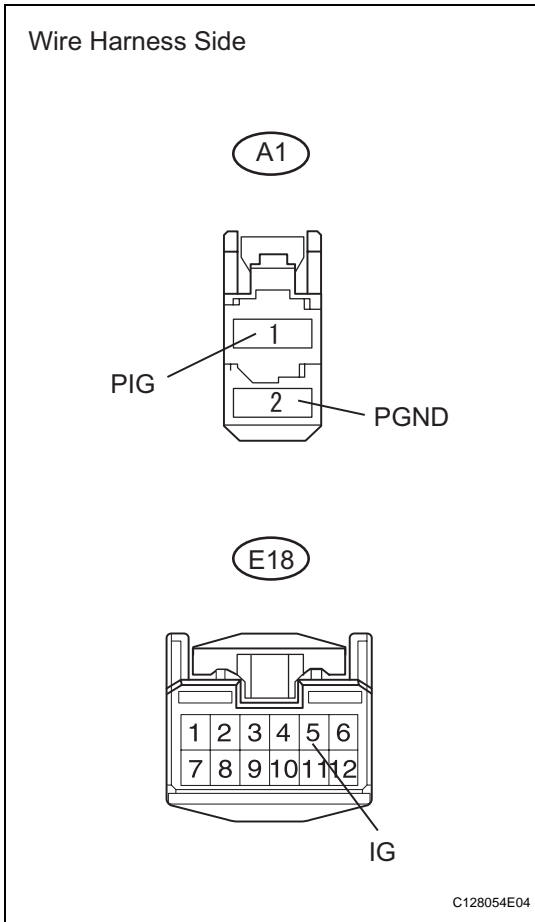
NG

REPAIR OR REPLACE CAN MAIN WIRE CONNECTED TO POWER STEERING ECU (CANH, CANL)

OK

C128052E02

2 CHECK WIRE HARNESS (POWER STEERING ECU - BATTERY AND BODY GROUND)



- (a) Disconnect the A1 and E18 power steering ECU connectors.
- (b) Measure the resistance of the wire harness side connector.

Standard resistance

Tester Connection	Specified Condition
A1-2 (PGND) - Body ground	Below 1 Ω

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

Standard voltage

Tester Connection	Condition	Specified Condition
A1-1 (PIG) - Body ground	Always	10 to 14 V
E18-5 (IG) - Body ground	Ignition switch ON	10 to 14 V

NG **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

REPLACE POWER STEERING ECU

CA