

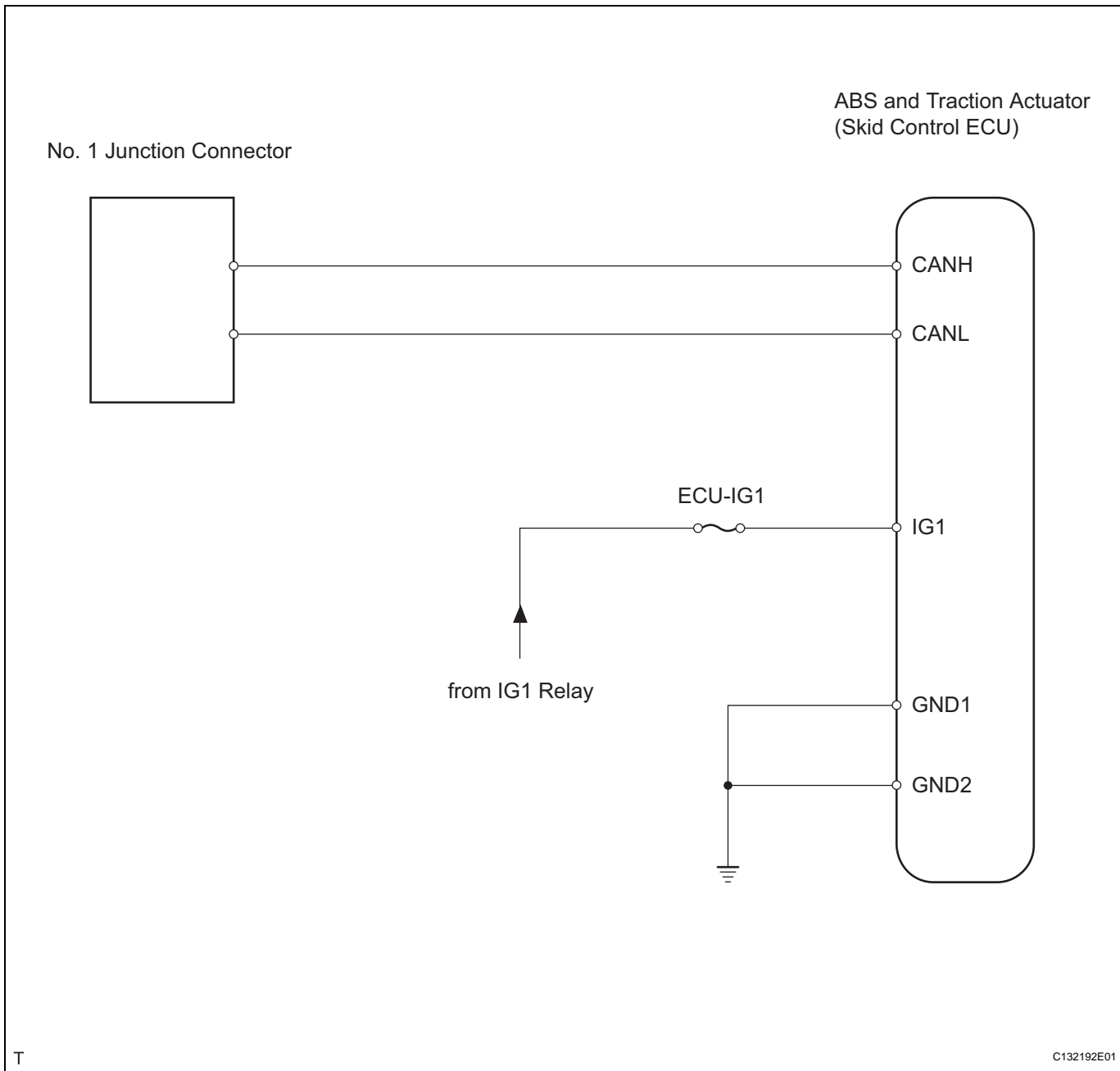
ABS and Traction Actuator (Skid Control ECU) Communication Stop Mode

DESCRIPTION

Detection Item	Symptom	Trouble Area
ABS AND TRACTION ACTUATOR (SKID CONTROL ECU) COMMUNICATION STOP MODE	<ul style="list-style-type: none"> ABS / VSC / TRAC is not displayed on "BUS CHECK" screen of intelligent tester Applies to "ABS AND TRACTION ACTUATOR (SKID CONTROL ECU) COMMUNICATION STOP MODE" in "DTC COMBINATION TABLE" 	<ul style="list-style-type: none"> Power source or inside skid control ECU ABS and traction actuator (skid control ECU) branch wire and connector ABS and traction actuator (skid control ECU)

WIRING DIAGRAM

CA



INSPECTION PROCEDURE

NOTICE:

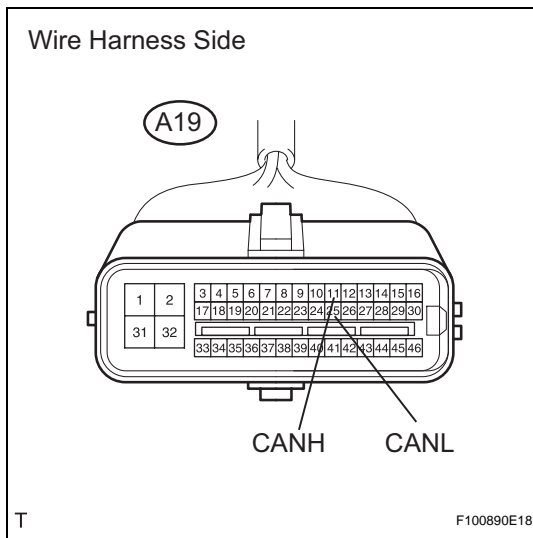
- Turn the ignition switch OFF before measuring the resistances of the main wire and the branch wire.
- After the ignition switch is turned OFF, check that the key reminder warning system and light reminder warning system are not in operation.
- Before measuring the resistance, leave the vehicle for 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 LINE DISCONNECTION (ABS AND TRACTION ACTUATOR BRANCH WIRE)



(a) Disconnect the A19 ABS and traction actuator (skid control ECU) connector.

(b) Measure the resistance of the wire harness side connector.

Standard resistance

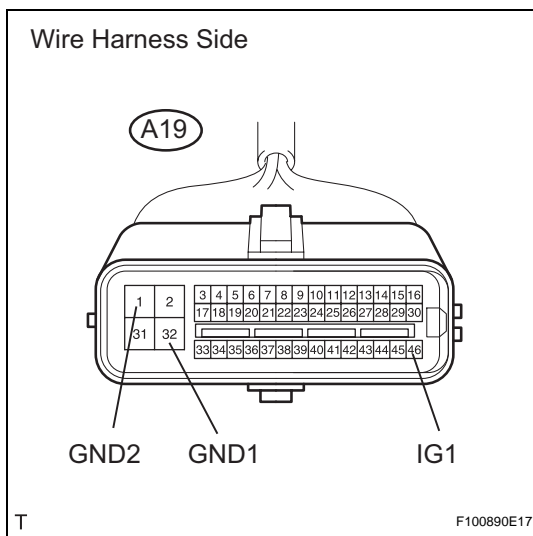
Tester Connection	Condition	Specified Condition
A19-11 (CANH) - A19-25 (CANL)	Ignition switch OFF	54 to 69 Ω

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REPAIR OR REPLACE ABS AND TRACTION ACTUATOR BRANCH WIRE AND CONNECTOR (CANH, CANL)

OK
2

CHECK WIRE HARNESS (ABS AND TRACTION ACTUATOR - BATTERY AND BODY GROUND)



(a) Disconnect the A19 ABS and traction actuator (skid control ECU) connector.

(b) Measure the resistance of the wire harness side connector.

Standard resistance

Tester Connection	Specified Condition
A19-1 (GND2) - Body ground	Below 1 Ω
A19-32 (GND1) - Body ground	Below 1 Ω

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

Standard voltage

Tester Connection	Condition	Specified Condition
A19-46 (IG1) - Body ground	Ignition switch ON	10 to 14 V

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REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

REPLACE ABS AND TRACTION ACTUATOR (SKID CONTROL ECU)