

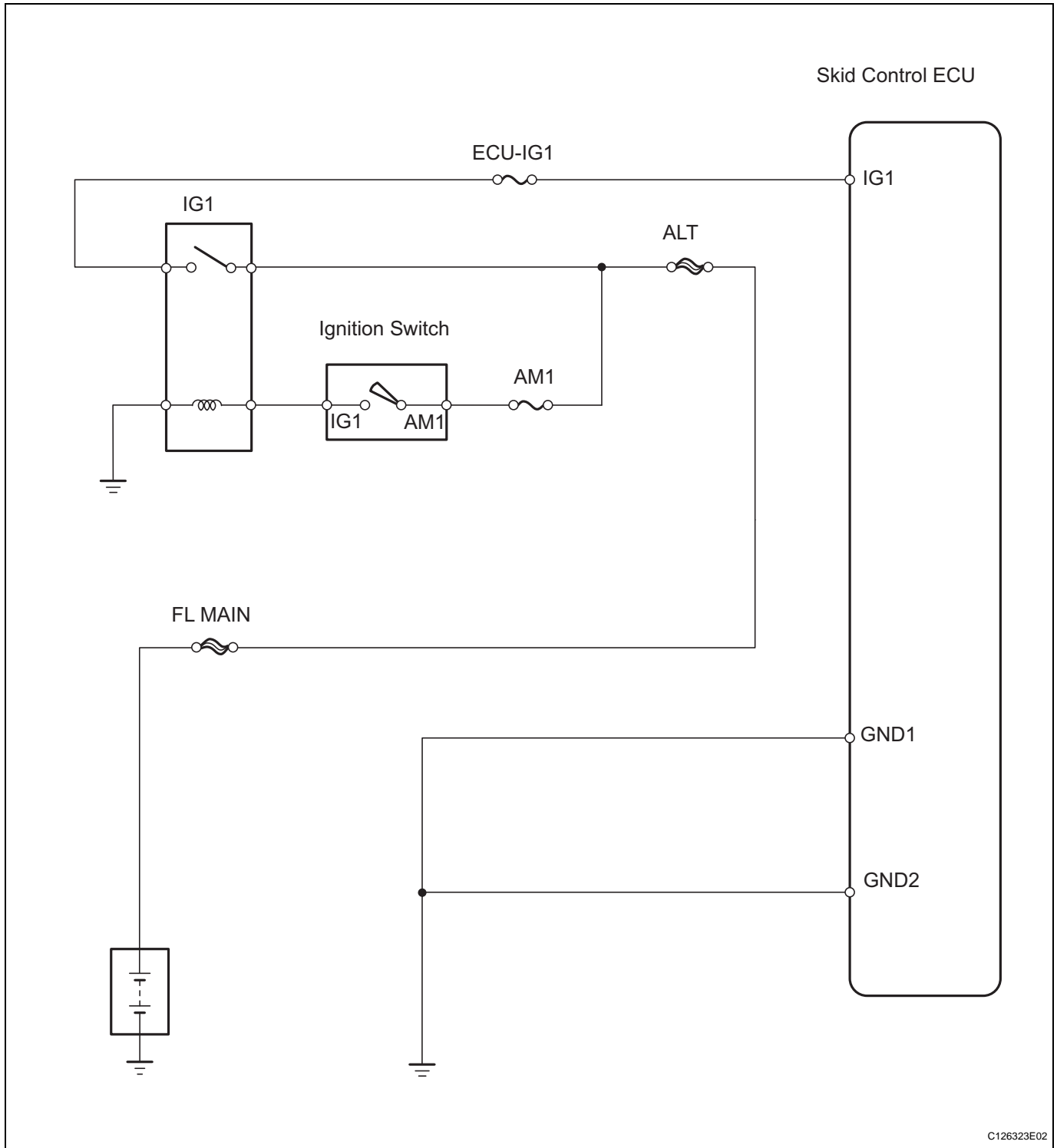
DTC**C1241/41****Low Battery Positive Voltage****DESCRIPTION**

When there is an abnormality in the power supply circuit of the brake actuator (skid control ECU), the skid control ECU sets a DTC and the operation is prohibited by the fail-safe function. This DTC is set when the voltage supplied to terminal IG1 is outside the DTC detection threshold, due to abnormalities of the battery, power source circuits or charging circuits such as the alternator circuit.

The fail-safe function is canceled when the voltage to terminal IG1 returns to normal.

DTC No.	DTC Detection Condition	Trouble Area
C1241/41	When one of following conditions is met: 1. At vehicle speed of 3 km/h (2 mph) or more, IG1 terminal voltage 9.5 V or less for 10 seconds or more. 2. When solenoid relay remains ON and IG1 terminal voltage 9.5 V or less, relay contact open for 0.2 seconds or more. 3. When motor relay terminals ON and IG terminal voltage 9.5 V or less, actuator pump activation motor OFF status continues for 0.1 seconds or more. 4. When IG1 terminal voltage 9.5 V or less, vehicle speed sensor power supply decreases for 60 seconds or more.	<ul style="list-style-type: none"> • Battery • Charging system • Power source circuit • Internal power supply circuit of skid control ECU

WIRING DIAGRAM



C126323E02

INSPECTION PROCEDURE

1	INSPECT FUSE (ECU-IG1)
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- (a) Remove the ECU-IG1 fuse from the instrument panel junction block.
- (b) Measure the resistance of the fuse.

**Standard resistance:
Below 1 Ω**

NG → **REPLACE FUSE**

OK

2 INSPECT BATTERY

(a) Check the battery voltage.

**Standard voltage:
11 to 14 V**

NG → **CHECK CHARGING SYSTEM**

OK

3 CHECK WIRE HARNESS (SKID CONTROL ECU - BATTERY)

(a) Disconnect the A19 ECU connector.

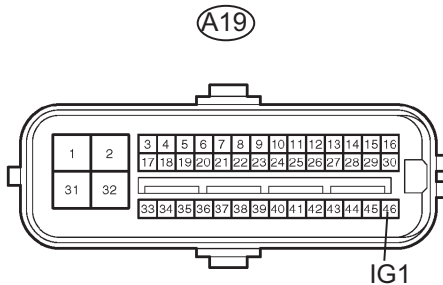
(b) Measure the voltage of the wire harness side connector.

Standard voltage

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

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

Wire Harness Side

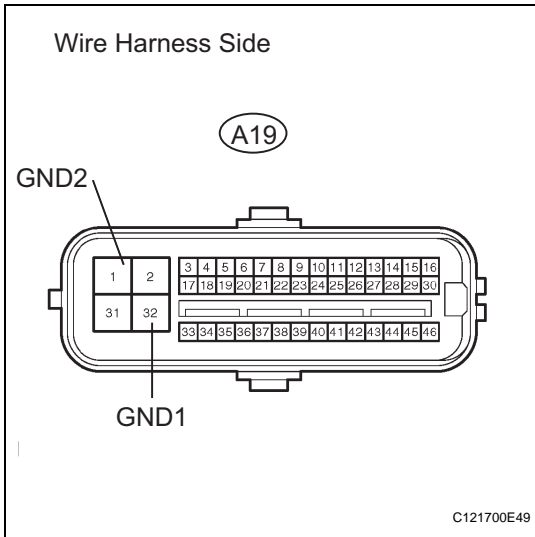


C121700E40

OK

BC

4 CHECK WIRE HARNESS (SKID CONTROL ECU - BODY GROUND)



- (a) Disconnect the A19 ECU connector.
- (b) Measure the resistance of the wire harness side connector.

Standard resistance

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

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

5 RECONFIRM DTC

- (a) Clear the DTC (see page BC-47).
- (b) Drive the vehicle at 3 km/h (2 mph) or more for several seconds.
- (c) Check if the same DTC is output (see page BC-47).

Result

Result	Proceed to
DTC is output	A
DTC is not output	B

B → **END**

A

REPLACE ABS AND TRACTION ACTUATOR ASSEMBLY