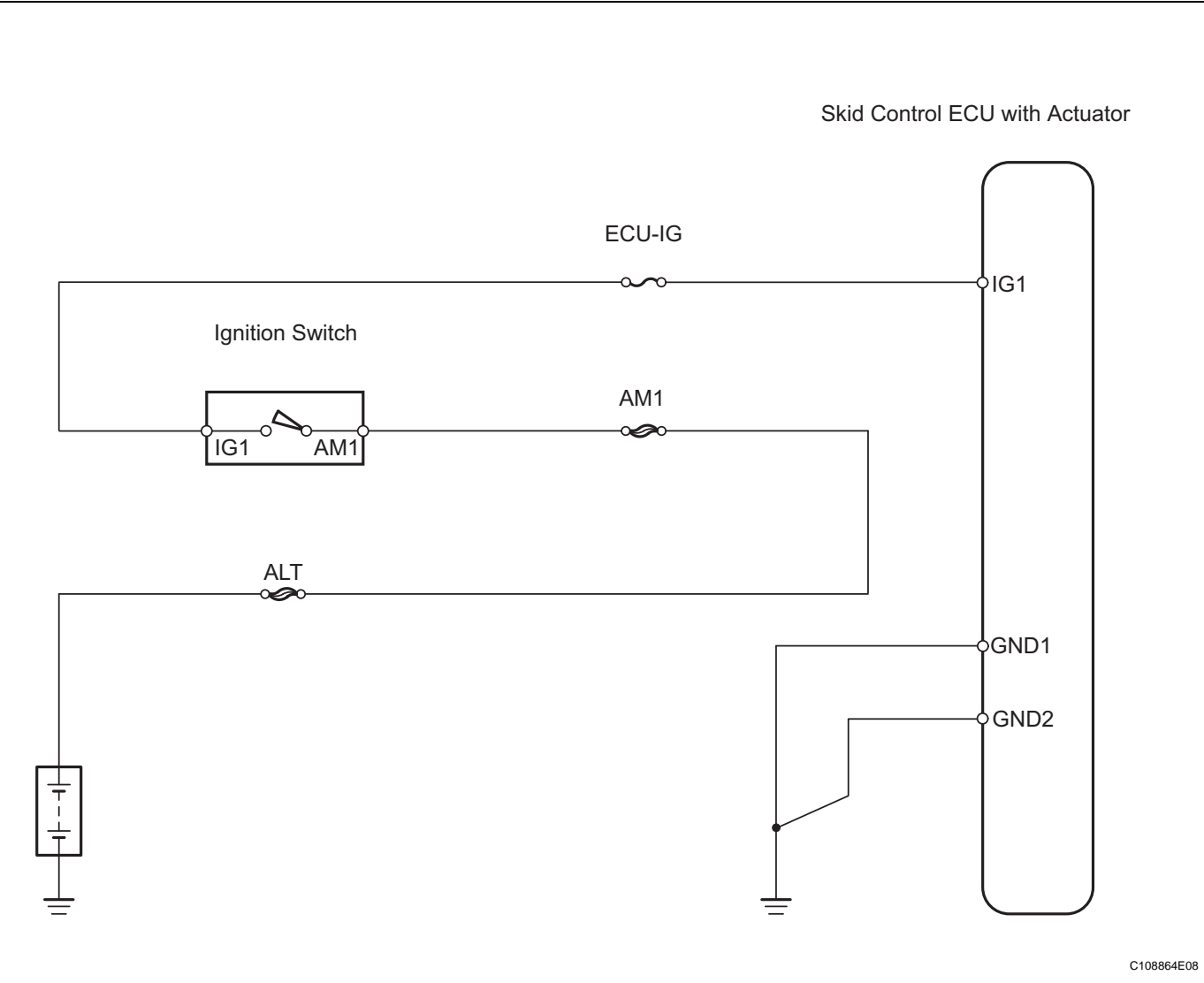


DTC	C1241/41	Low Battery Positive Voltage or Abnormally High Battery Positive Voltage
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DESCRIPTION

DTC No.	DTC Detection Condition	Trouble Area
C1241/41	When either of following is detected: 1. Both conditions continue for at least 10 seconds <ul style="list-style-type: none">Vehicle speed is more than 3 km/h (2 mph)IG1 terminal voltage is less than 9.5 V 2. All conditions continue for at least 0.2 seconds <ul style="list-style-type: none">Solenoid relay remains ONRelay contact is openIG1 terminal voltage is less than 9.5 V	<ul style="list-style-type: none">BatteryCharging systemPower source circuit

WIRING DIAGRAM



1 INSPECT FUSE (ECU-IG)

- (a) Remove the ECU-IG fuse from the instrument panel junction block.
(b) Measure the resistance of the fuse.

Standard resistance:

Below 1 Ω

Result

Result	Proceed to
OK (when using intelligent tester)	A
OK (when not using intelligent tester)	B
NG	C

B

Go to step 3

C

REPLACE FUSE

A

2 READ DATA LIST (IG1 VOLTAGE)

- (a) Check the DATA LIST for proper functioning of the IG voltage.

Skid control ECU with actuator

Item	Measurement Item / Range (Display)	Normal Condition	Diagnostic Note
IG VOLTAGE	ECU power supply voltage / NORMAL / TOO LOW	NORMAL: 9.5 to 14 V TOO LOW: Below 9.5 V	-

Result

Result	Proceed to
Display is not NORMAL	A
Display is NORMAL	B

HINT:

When replacing the skid control ECU with actuator, perform the zero point calibration (see page [BC-11](#)).

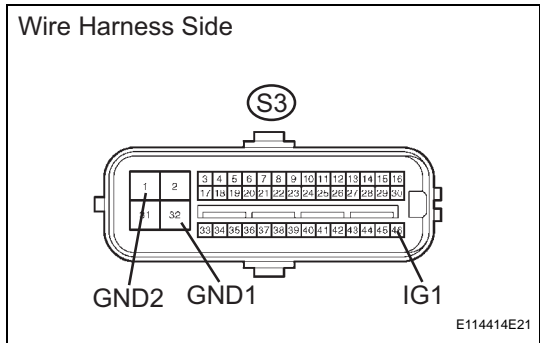
B

REPLACE BRAKE ACTUATOR ASSEMBLY

A

3

CHECK WIRE HARNESS (SKID CONTROL ECU - BATTERY AND BODY GROUND)



- (a) Disconnect the S3 ECU connector.
(b) Measure the voltage of the wire harness side connector.
Standard voltage

Tester Connection	Condition	Specified Condition
S3-46 (IG1) - Body ground	Ignition switch ON	10 to 14 V

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

Tester Connection	Specified Condition
S3-32 (GND1) - Body ground	Below 1 Ω
S3-1 (GND2) - Body ground	

NG

REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

4

CHECK IF DTC OUTPUT RECURS

- (a) Clear the DTCs (see page [BC-16](#)).
(b) Drive the vehicle at approximately 30 km/h (19 mph) or more for 60 seconds or more.
(c) Check for DTCs (see page [BC-16](#)).
Result

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

HINT:
When replacing the skid control ECU with actuator, perform the zero point calibration (see page [BC-11](#)).

B

END

A

BC

REPLACE BRAKE ACTUATOR ASSEMBLY