

DTC

C1242/42

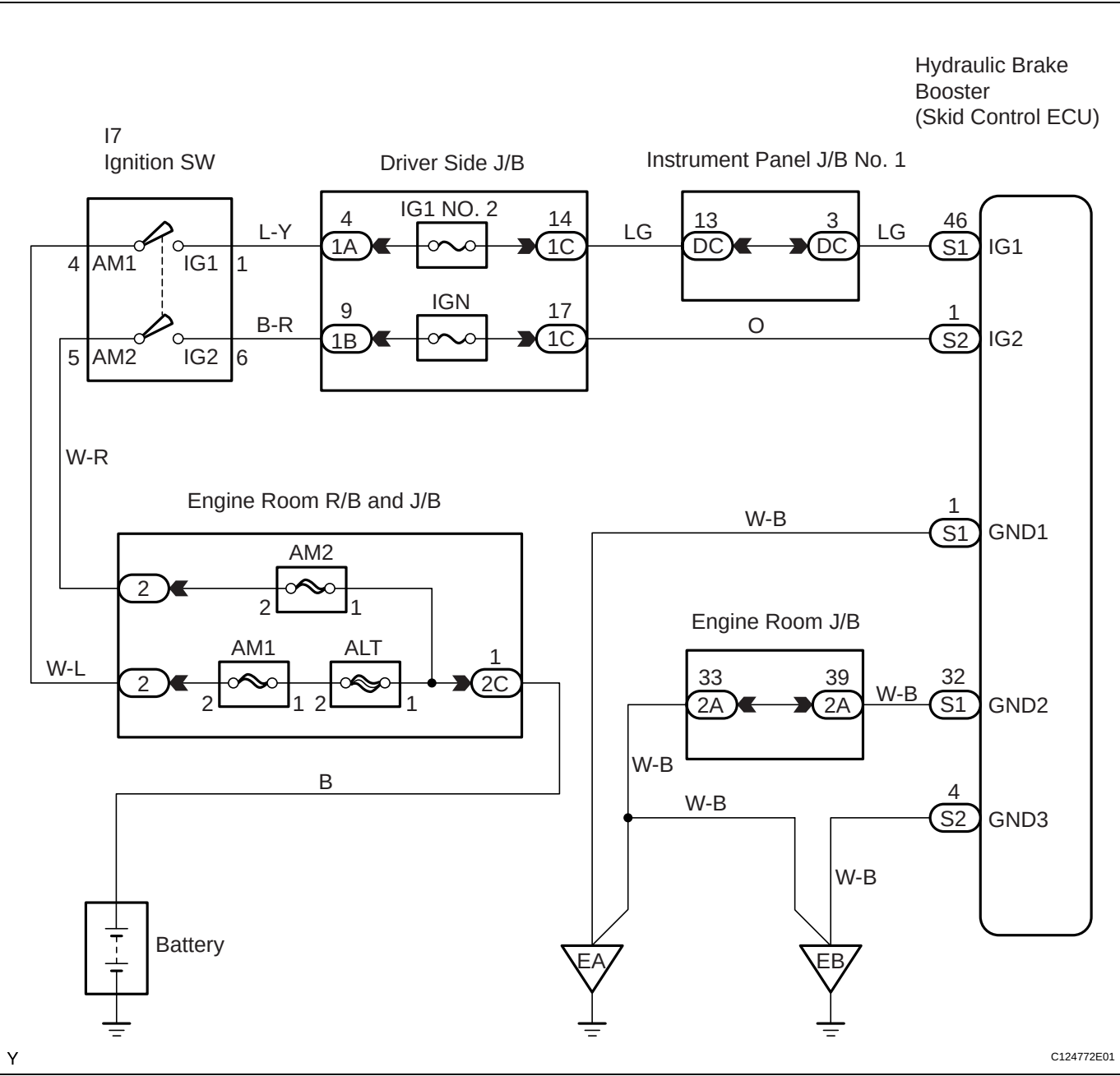
IG2 Power Source Circuit

DESCRIPTION

If there is a problem with the master cylinder solenoid (skid control ECU) power supply circuit, the skid control ECU outputs the DTC and prohibits operation under the fail safe function.
If the voltage supplied to terminal IG1 and/or IG2 is not within the DTC detection threshold due to malfunctions in parts such as the battery or alternator circuit, this DTC is stored.

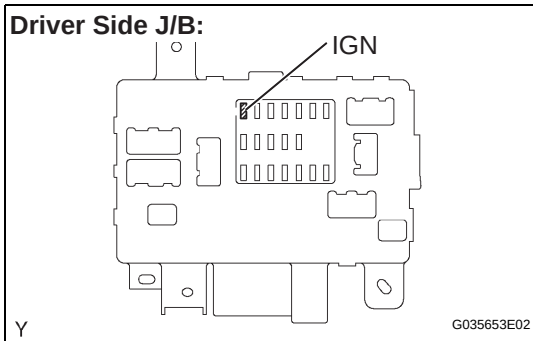
DTC No.	DTC Detecting Condition	Trouble Areas
C1242/42	Vehicle speed 1.9 mph (3 km/h) or more and voltage of skid control ECU terminal IG1 and/or IG2 remains at below 6.5 V for more than 7 seconds.	- Battery - IC regulator - Power source circuit - Master cylinder solenoid (skid control ECU)

WIRING DIAGRAM



1 INSPECT BATTERY

- (a) Check the battery voltage.

Standard Voltage:**10 to 14 V****NG****INSPECT CHARGING SYSTEM****OK****2 INSPECT FUSE (IGN FUSE)**

- (a) Remove the IGN fuse from the driver side J/B.

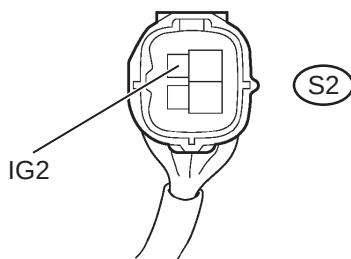
- (b) Measure the resistance of the IGN fuse.

Standard Voltage:**Below 1 Ω**

- (c) Reinstall the IGN fuse.

NG**CHECK FOR SHORTS IN ALL HARNESES AND CONNECTORS CONNECTED TO FUSE AND REPLACE FUSE****OK****3 INSPECT SKID CONTROL ECU TERMINAL VOLTAGE (IG2 TERMINAL)**

Skid Control ECU
(harness side connector):



- (a) Disconnect the skid control ECU connector.

- (b) Turn the ignition switch to the ON position.

- (c) Measure the voltage.

Standard Voltage

Tester Connection	Specified Condition
S2-1 (IG2) - Body ground	10 to 14 V

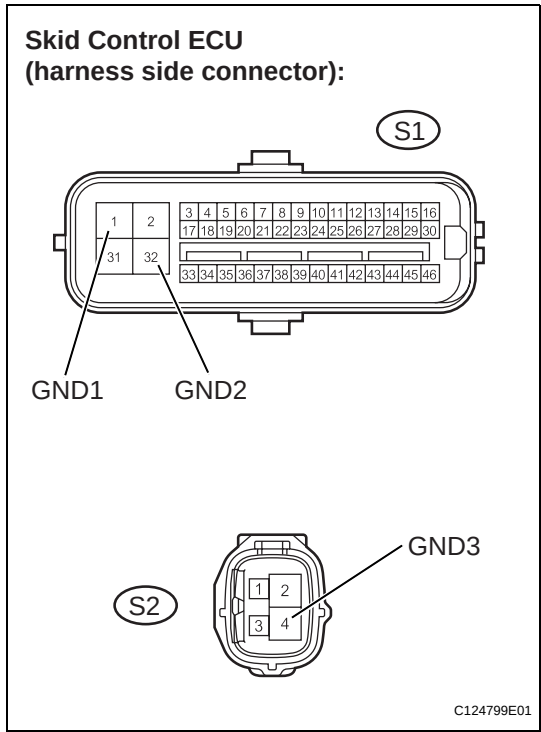
- (d) Turn the ignition switch to OFF.

- (e) Reconnect the skid control ECU connector.

NG**REPAIR OR REPLACE HARNESS OR CONNECTOR****OK**

4

INSPECT SKID CONTROL ECU CONNECTOR (GND TERMINAL)



OK

- (a) Disconnect the skid control ECU connectors.
(b) Measure the resistance.

Standard Resistance

Tester Connection	Specified Condition
S1-1 (GND1) - Body ground	Below 1 Ω
S1-32 (GND2) - Body ground	Below 1 Ω
S2-4 (GND3) - Body ground	Below 1 Ω

- (c) Reconnect the skid control ECU connectors.

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

BC

5

RECONFIRM DTC

- (a) Clear the DTCs (See page [BC-118](#)).
(b) Drive the vehicle at a speed of 1.9 mph (3 km/h) or more for 7 seconds or more.
(c) Check if the same DTCs are detected.

Result	Proceed to
DTC output	A
DTC not output	B

B END

A

REPLACE MASTER CYLINDER SOLENOID