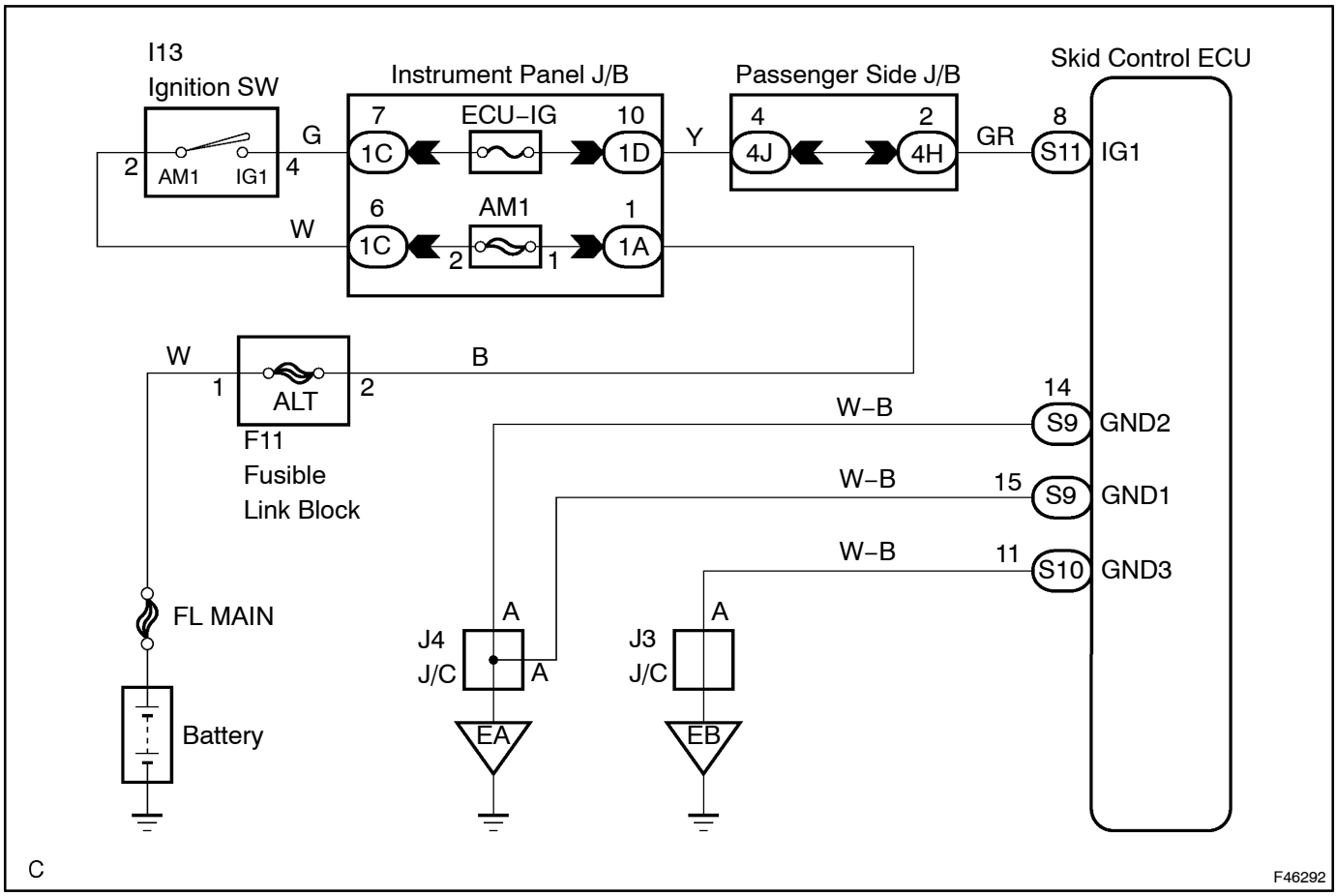
DTC C1241/41 LOW BATTERY POSITIVE VOLTAGE

CIRCUIT DESCRIPTION

This is the power source for the ECU, hence the actuators.

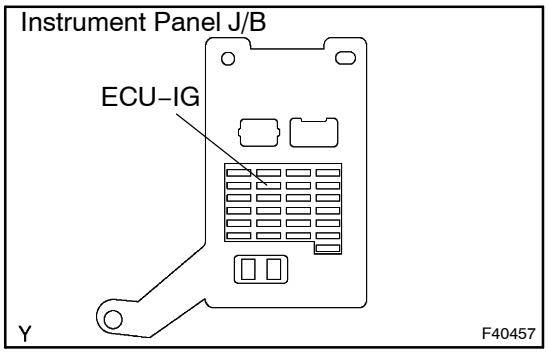
DTC No.	DTC Detecting Condition	Trouble Area
C1241/41	Detection of any of conditions 1. through 3. : 1. With vehicle speed at 2 mph (3 km/h) or more, IG1 terminal voltage is 9.5V or below for 10 sec. or longer. 2. While solenoid relay remains on IG1 terminal voltage has become to 9.5 V or less and relay contact is off for 0.2 sec. or more.	• Battery • Charging system • Power source circuit • Skid Control ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

1	INSPECT FUSE(ECU–IG FUSE OF INSTRUMENT PANEL J/B)



(a) Remove ECU–IG fuse from the instrument panel J/B.
(b) Check continuity of ECU–IG fuse.
Standard:

ECU–IG Fuse	Below 1 Ω (Continuity)

NG → **INSPECT FOR SHORT CIRCUIT IN ALL HARNESS AND COMPONENTS CONNECTED TO ECU–IG FUSE**

OK

2	INSPECT BATTERY

(a) Check the battery voltage.
Standard:

Tester Connection	Specified Condition
Battery terminal ((+) – (–))	11 to 14 V

NG → **CHECK CHARGING SYSTEM**

OK

3	CHECK VOLTAGE OF ECU IG POWER SOURCE

WHEN USING HAND–HELD TESTER:

(a) Connect the hand–held tester to the DLC3.

(b) Start the engine.

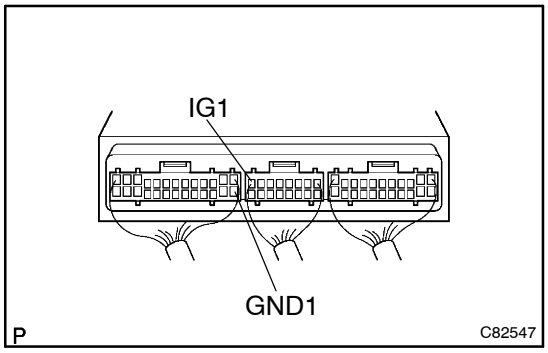
(c) Select the DATA LIST mode on the hand–held tester.

Item	Measurement Item / Range (Display)	Normal Condition
IG VOLTAGE	ECU power supply voltage / NORMAL or TOO LOW	NORMAL: 9.5 V or over TOO LOW: Below 9.5 V

(d) Read the voltage condition output from the ECU displayed on the hand–held tester.

Standard:

"Normal" is displayed.



WHEN NOT USING HAND–HELD TESTER:

(a) Remove the skid control ECU with connectors still connected.

(b) Turn the ignition switch ON, measure voltage between terminals IG1 and GND of skid control ECU connector.

Standard:

Tester Connection	Specified Condition
S11–8 (IG1) – S9–15 (GND1)	10 to 14 V

OK	CHECK AND REPLACE SKID CONTROL ECU ASSY

NG

4	CHECK HARNESS AND CONNECTOR(GND TERMINALS OF SKID CONTROL ECU – BODY GROUND) (SEE PAGE 01–33)

NG	REPAIR OR REPLACE HARNESS OR CONNECTOR (GND TERMINAL CIRCUIT)

OK

CHECK AND REPAIR HARNESS AND CONNECTOR (IG1 TERMINAL CIRCUIT)