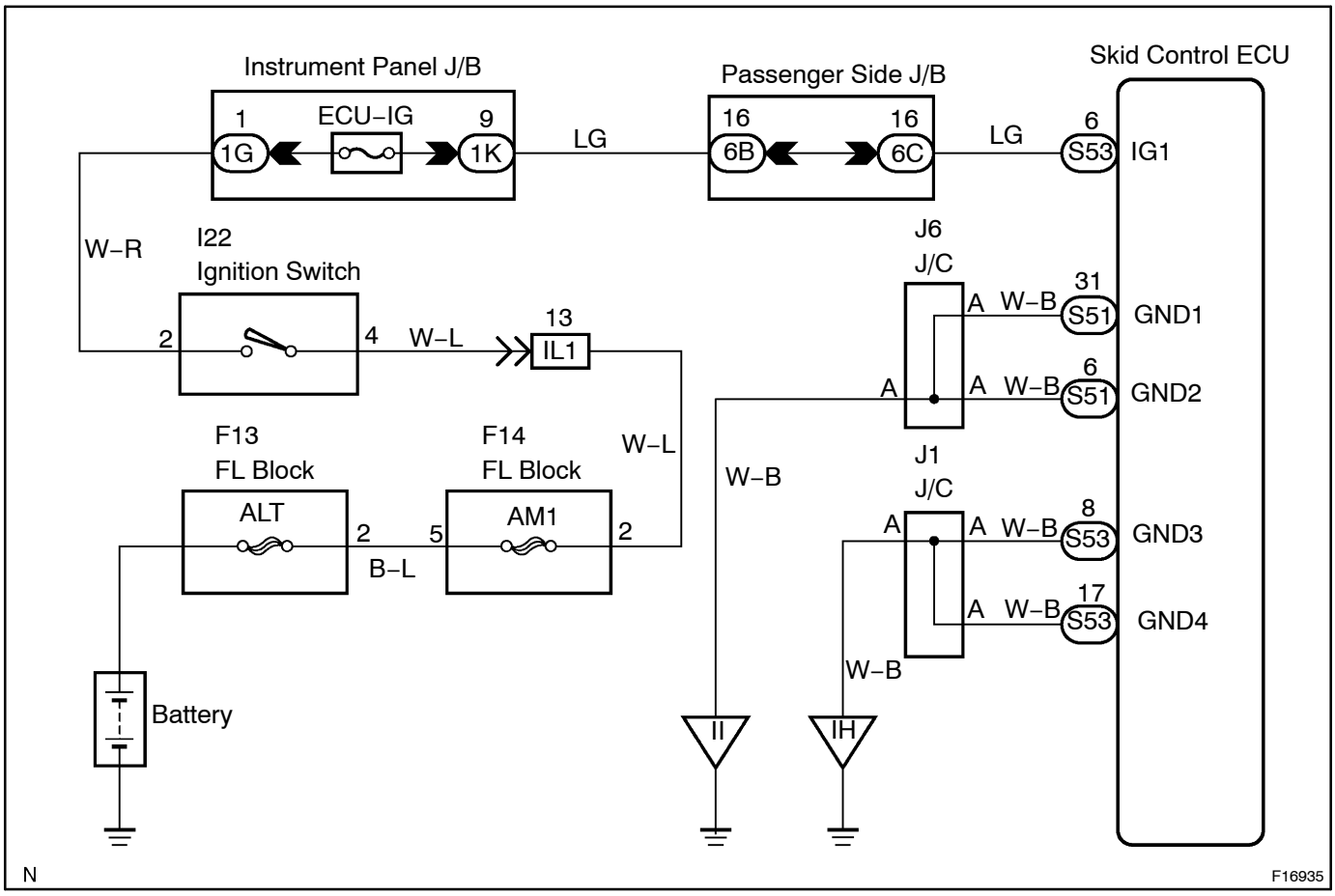
DI0WV–19

DTC	C1241 / 41	IG Power Source Circuit

CIRCUIT DESCRIPTION

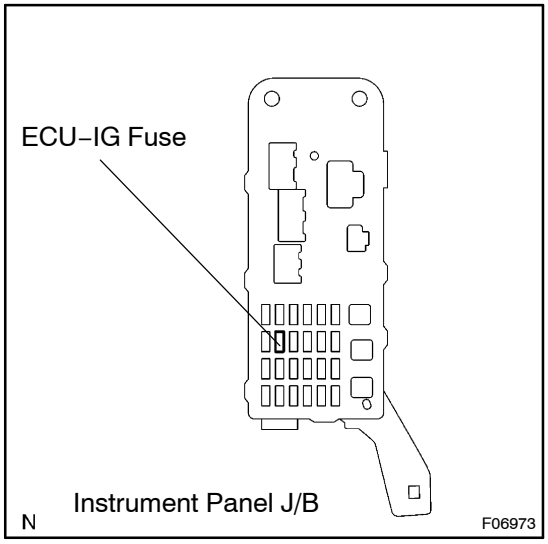
DTC No.	DTC Detecting Condition	Trouble Area
C1241 / 41	Detection of either of conditions 1. or 2.: 1. Vehicle speed is 3 km/h (1.9 mph) or more and voltage of ECU terminal IG remains at below 9.5 V for more than 10 sec. 2. While the condition that the solenoid relay is ON continues, ECU terminal IG1 voltage becomes 9.5 V or less, and the condition that the contact point of the solenoid relay is OFF continues for 0.2 sec. or more.	• Battery • Charging system • Power source circuit

WIRING DIAGRAM



INSPECTION PROCEDURE

1	**Check ECU–IG fuse.**



PREPARATION:
Remove the ECU–IG fuse from instrument panel J/B.
CHECK:
Check continuity of ECU–IG fuse.
OK:
Continuity

NG → **Check for short circuit in all the harness and components connected to ECU–IG fuse (See attached wiring diagram).**

OK

2	**Check battery voltage.**

OK:
Voltage: 10 – 14 V

NG → **Check and repair the charging system (See Pub. No. RM677E on page CH–1).**

OK

3	Check voltage of the ECU–IG power source.

In case of using the hand–held tester:

PREPARATION:

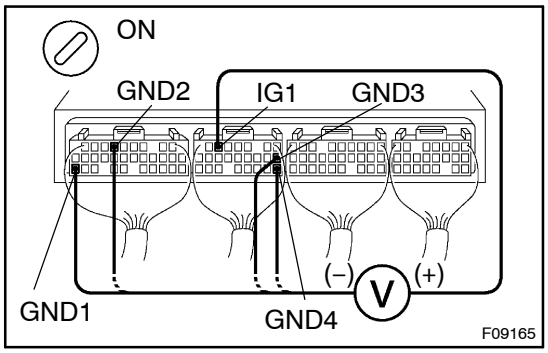
(a) Connect the hand–held tester to the DLC3.
(b) Turn the ignition switch to ON, and push the hand–held tester main switch to ON.
(c) Select the DATALIST mode on the hand–held tester.

CHECK:

Check the voltage condition output from the ECU displayed on the hand–held tester.

OK:

"Normal" is displayed.



In case of not using the hand–held tester:

PREPARATION:

Remove the skid control ECU with the connectors still connected.

CHECK:

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

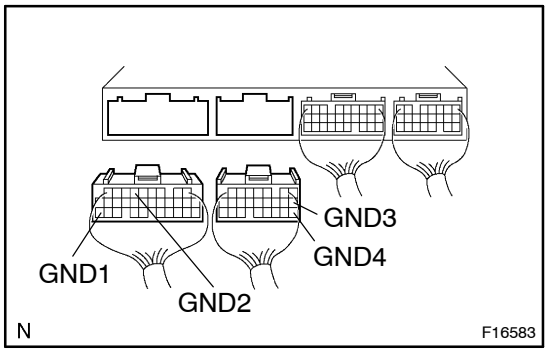
OK:

Voltage: 10 – 14 V

OK	Check and replace skid control ECU.

NG

4	**Check continuity between terminal GND of skid control ECU connector and body ground.**



CHECK:

(a) Disconnect the 2 connectors from the skid control ECU.

(b) Measure resistance between terminals GND of skid control ECU connector and body ground.

OK:

Resistance: 1 Ω or less

NG → **Repair or replace harness or connector.**

OK

Check for open circuit in harness and connector between skid control ECU and battery (See page IN–31).