DTC	C1241/41	LOW BATTERY POSITIVE VOLTAGE OR ABNORMALLY HIGH BATTERY POSITIVE VOLTAGE

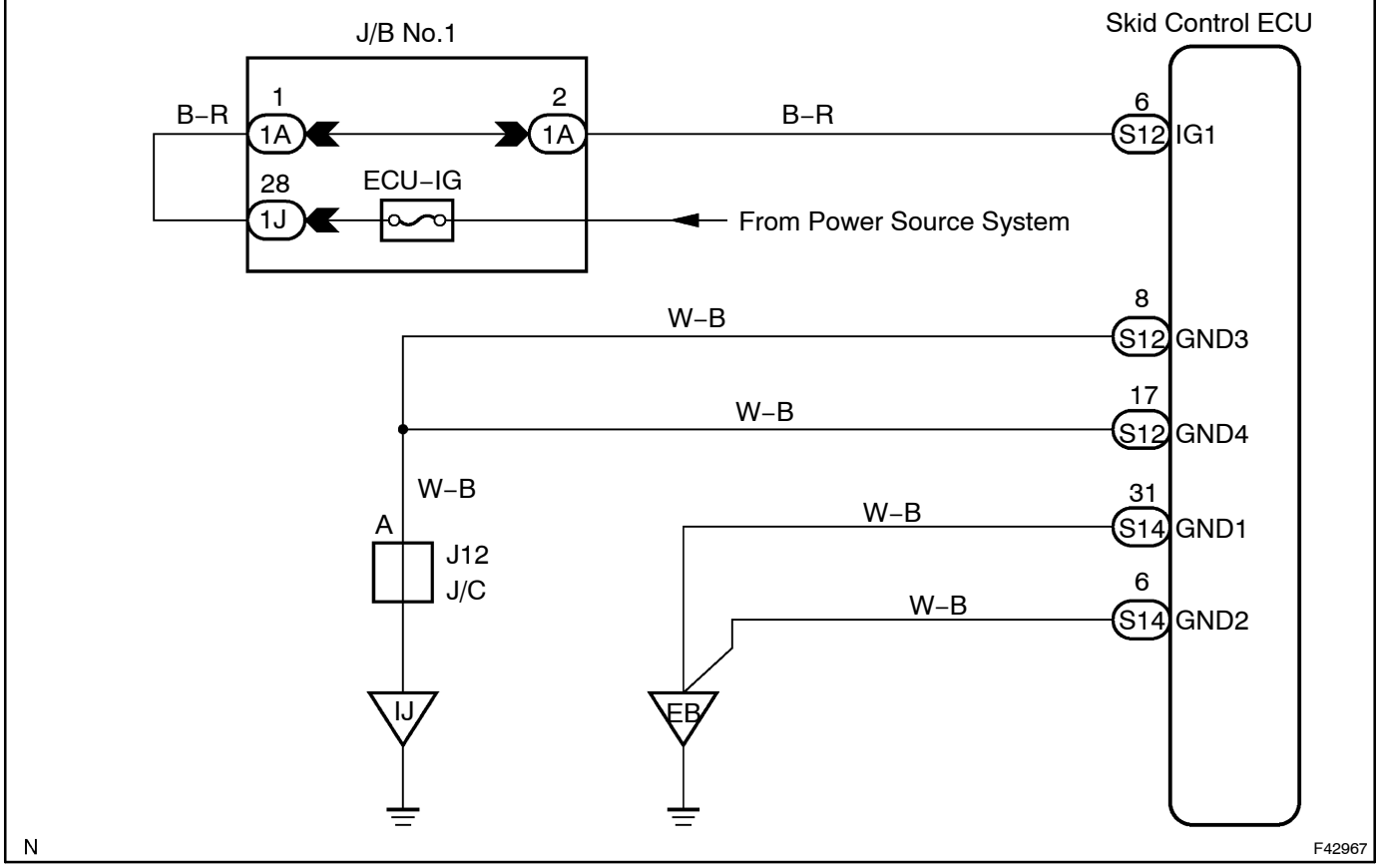
DTC	C1257/57	POWER SUPPLY DRIVE CIRCUIT MALFUNCTION

CIRCUIT DESCRIPTION

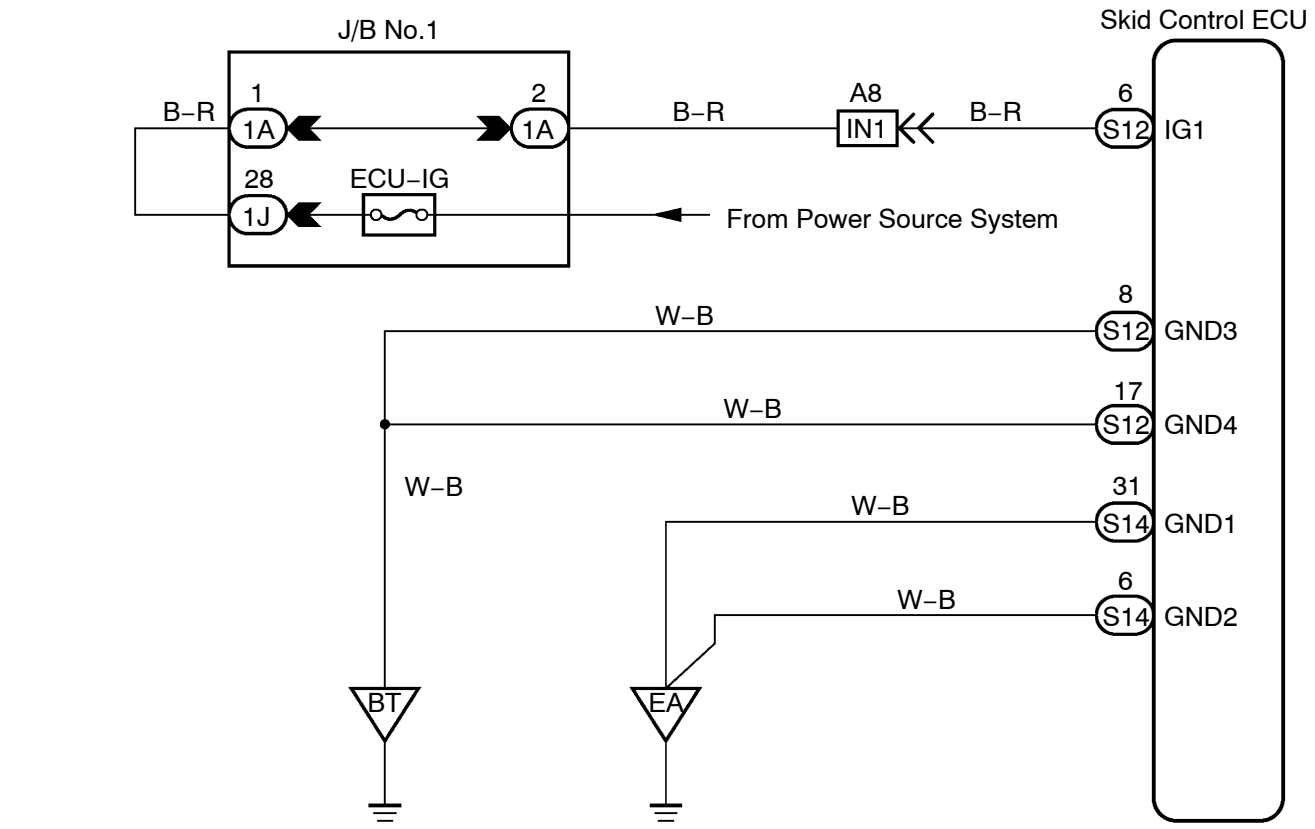
DTC No.	DTC Detecting Condition	Trouble Area
C1241/41	Detection of any of conditions 1. and 2.: 1. Vehicle speed is 3 km/h (1.9 mph) or more and voltage of ECU terminal IG1 remains at below 9.5 V for more than 10 sec. 2. The condition that ECU terminal IG1 voltage is more than 17.0 V continues for 1.2 sec. or more.	• Battery • IC regulator • Power source circuit
C1257/57	After the ignition switch has been turned ON, open or short circuit in power supply drive system inside ECU continues for more than 1.5 sec.	• Battery • IC regulator • Power source circuit • Skid control ECU

WIRING DIAGRAM

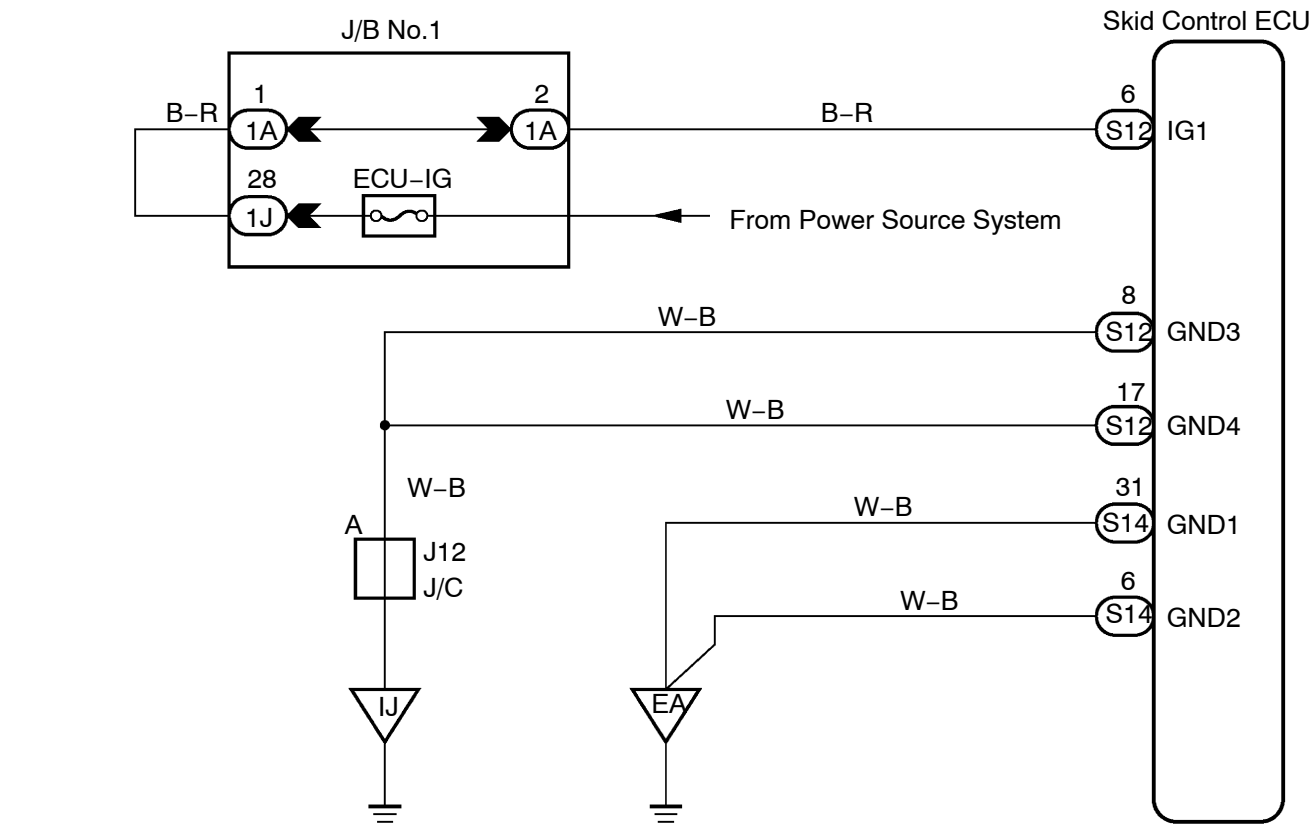
LHD.A/T:



LHD.M/T:

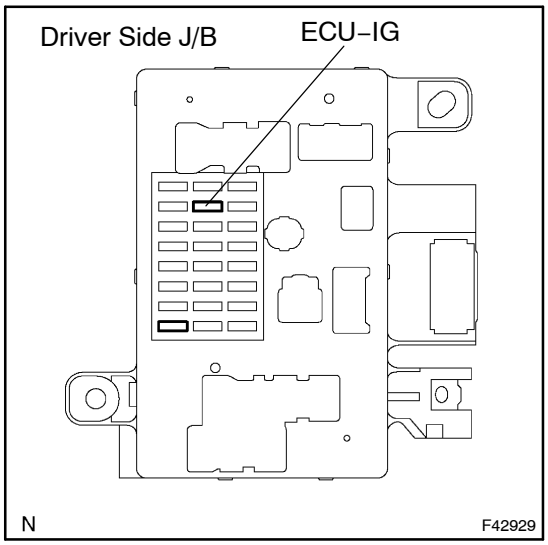

J/B No.1
Skid Control ECU
B–R
1
1A
2
1A
B–R
A8
IN1
B–R
6
S12
IG1
28
1J
ECU–IG
From Power Source System
8
S12
GND3
W–B
17
S12
GND4
W–B
W–B
31
S14
GND1
W–B
6
S14
GND2
W–B
BT
EA
N
F42968

RHD:


J/B No.1
Skid Control ECU
B–R
1
1A
2
1A
B–R
6
S12
IG1
28
1J
ECU–IG
From Power Source System
8
S12
GND3
W–B
17
S12
GND4
W–B
W–B
A
J12
J/C
31
S14
GND1
W–B
6
S14
GND2
W–B
IJ
EA
N
F42969

INSPECTION PROCEDURE

1 INSPECT FUSE(ECU–IG FUSE)



(a) Remove ECU–IG fuse from driver side J/B.
(b) Check continuity of ECU–IG fuse.
OK:
Continuity

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

OK

2 INSPECT BATTERY

OK:
Voltage: 10 – 14 V

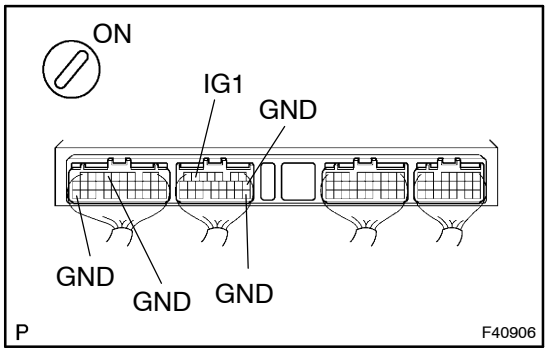
NG → **INSPECT CHARGING SYSTEM**

OK

3 INSPECT SKID CONTROL ECU TERMINAL VOLTAGE(IG1 TERMINAL)

IN CASE OF USING HAND–HELD TESTER:

(a) Check the voltage condition output from the ECU displayed on the hand–held tester.
OK:
"Normal" is displayed.



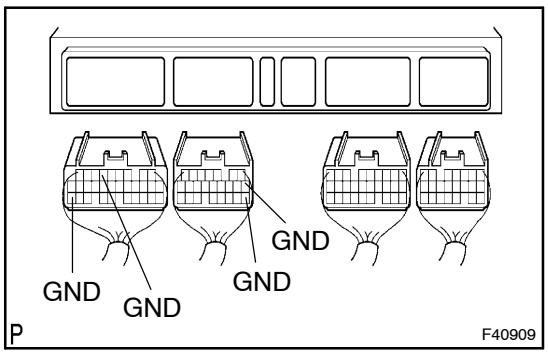
IN CASE OF NOT USING HAND–HELD TESTER:

(a) Remove the skid control ECU with connectors still connected.
(b) Turn the ignition switch ON.
(c) Measure voltage between terminals IG1 and GND of skid control ECU.
OK:
Voltage: 10 – 14 V

OK → **CHECK AND REPLACE SKID CONTROL ECU ASSY**

NG

4	INSPECT SKID CONTROL ECU CONNECTOR(GND TERMINAL CONTINUITY)



(a) Disconnect the skid control ECU connectors.
(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 AND REPLACE SKID CONTROL ECU ASSY