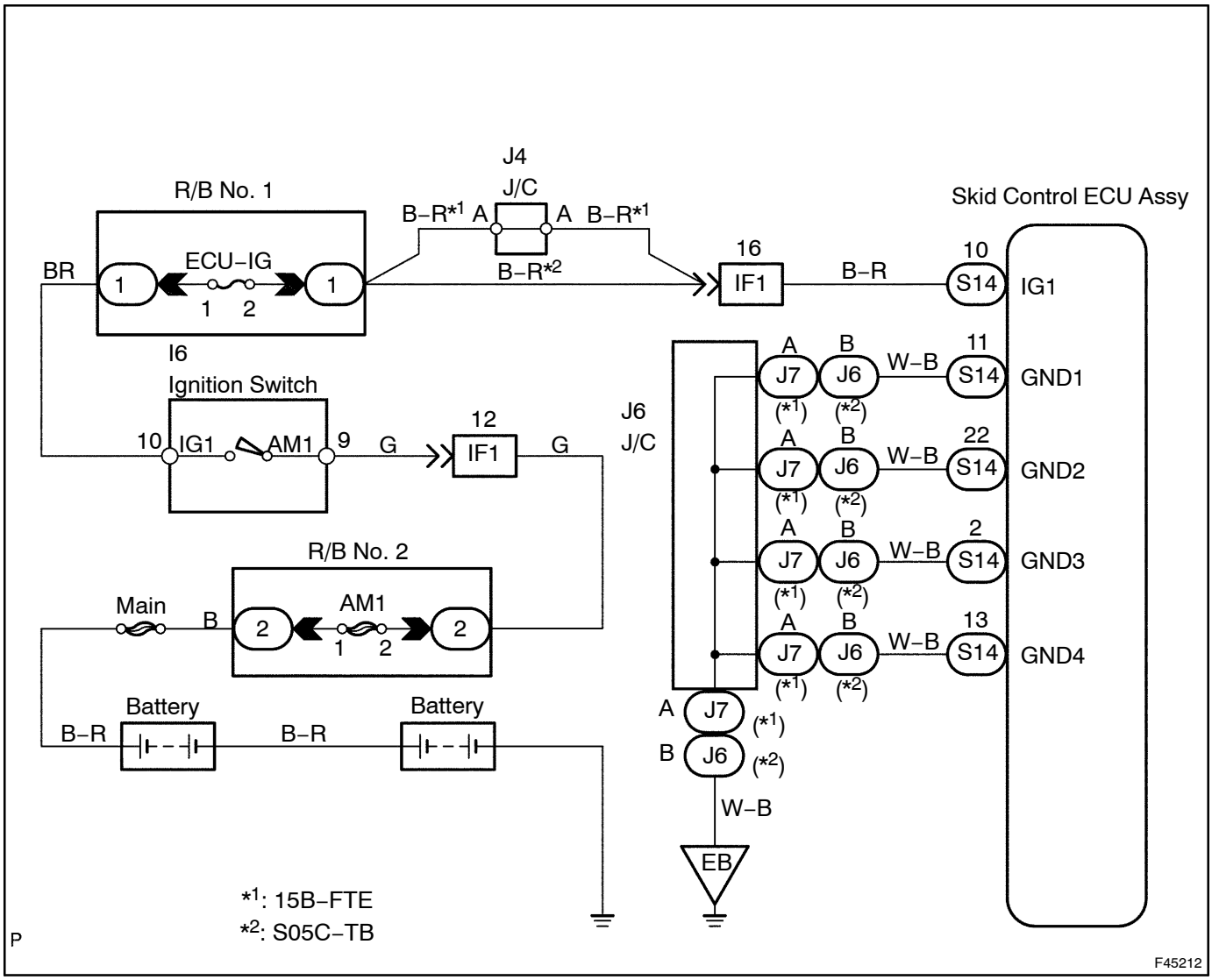
DTC	C1241/41	LOW BATTERY POSITIVE VOLTAGE OR ABNORMALLY HIGH BATTERY POSITIVE VOLTAGE

CIRCUIT DESCRIPTION

DTC No.	DTC Detection Condition	Trouble Area
C1241/41	Vehicle speed is 3 km/h (1.9 mph) or more and voltage of ECU terminal IG remains below 19 V for more than 10 sec. or more	• Battery • Charging system • Power source circuit

Fail–safe function:
If any trouble occurs in the power source circuit, the ECU will cut off the current to the ABS solenoid relay and prohibit the ABS controls and BRAKE ASSIST.
HINT:
If the brake pedal is depressed firmly, the brake force may be lowered.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	INSPECT BATTERY

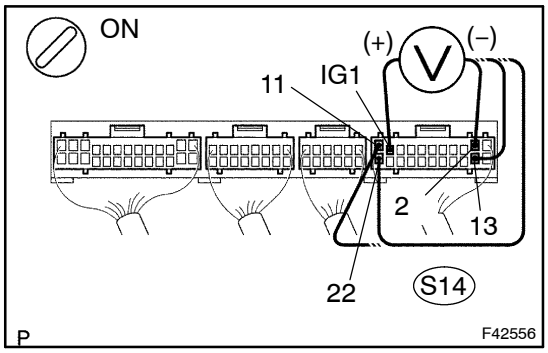
(a) Inspect the battery positive voltage.
Standard: 20 – 28 V

NG → **CHECK CHARGING SYSTEM OR BATTERY**

OK

2	CHECK SKID CONTROL ECU ASSY (POWER SOURCE)

When using the hand–held tester:
(a) Select the item ”IG VOLTAGE” in the DATA LIST and read its value displayed on the hand–held tester.
(b) Check the voltage condition output from the ECU, which is displayed on the hand–held tester.
Standard:
”Normal” is displayed.

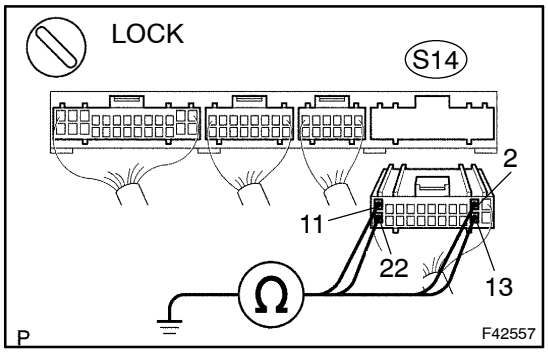


When not using the hand–held tester:
(c) Remove the ECU with the connectors still connected.
(d) Turn the ignition switch ON and measure the voltage between terminals IG1 (S14 – 10) and GND (S14 – 2, 11, 13, 22) of the skid control ECU.
Standard: 20 – 28 V

NG → **CHECK CHARGING SYSTEM OR BATTERY**

NG

3	CHECK SKID CONTROL ECU ASSY (SKID CONTROL ECU ASSY ⇔ BODY GROUND)



(a) Disconnect the S14 ECU connector.
(b) Measure the resistance between terminal GND (S14 – 2, 11, 13, 22) of the S14 ECU connector and the body ground.
Standard: 1 Ω or less

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

4	CHECK WIRE HARNESS (ECU–IG FUSE ⇔ SKID CONTROL ECU ASSY)

(a) Check for open and short circuit in the harness and connector between the ECU–IG fuse and S14 ECU connectors (See page 01–27).

NG → REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

5	RECONFIRM DTC

(a) Check the DTC (See page 05–205).

HINT:

After erasing the DTC and driving the vehicle more than 3 km/h (1.8 mph), check for DTC.

A	Malfunction Code
B	Normal Code

B → NO PROBLEM

A

CHECK AND REPLACE SKID CONTROL ECU ASSY (See page 01–27)