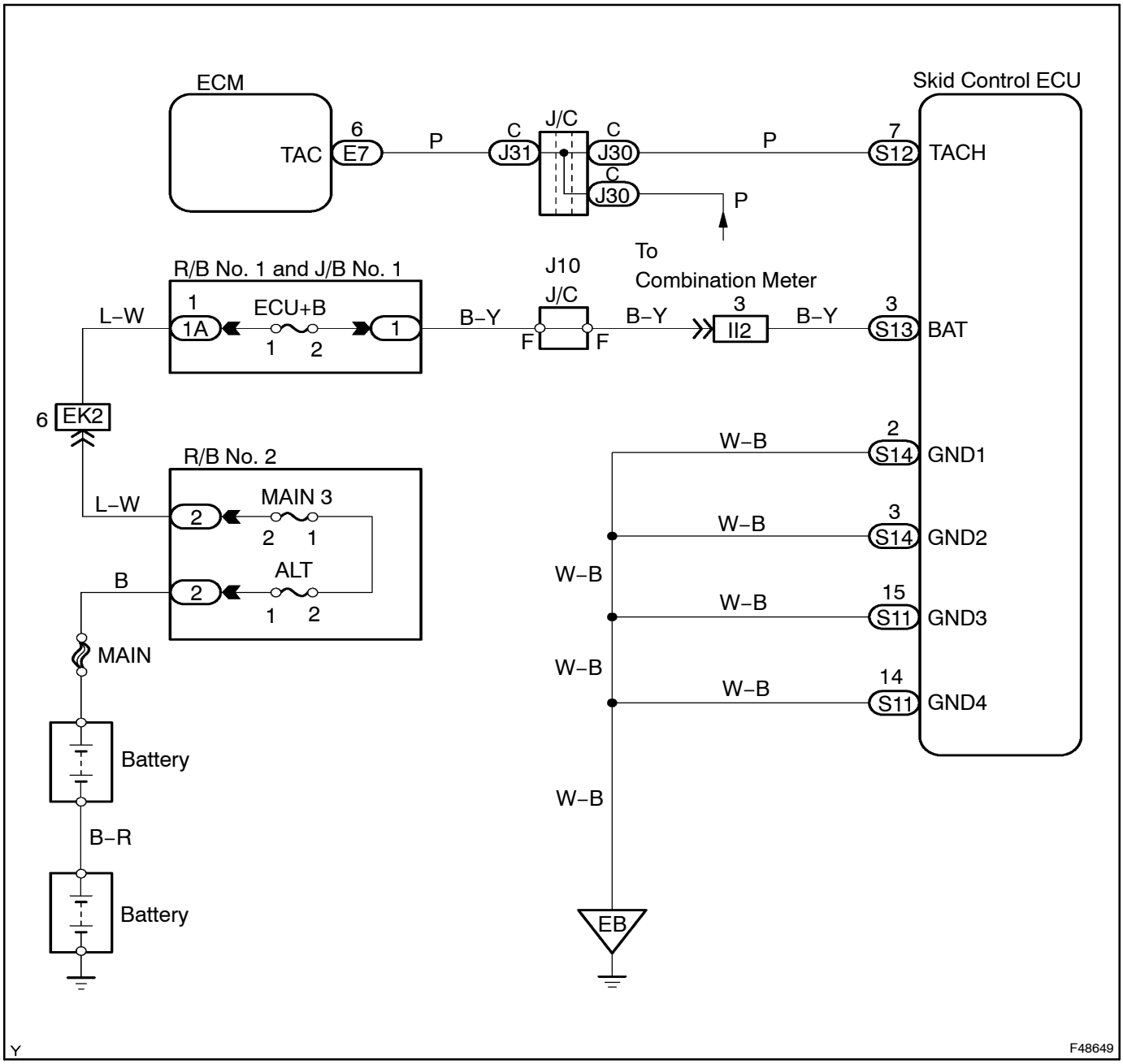
DTC C1390/42 MALFUNCTION IN BATTERY POWER SUPPLY VOLTAGE

CIRCUIT DESCRIPTION

Power is supplied to the skid control ECU via the ECU+B fuse.

DTC No.	DTC Detection Condition	Trouble Area
C1390/49	Battery voltage is 19 V or more for 10 sec. or more while engine is running.	• ECU+B fuse • Skid control ECU • Wire harness

WIRING DIAGRAM



INSPECTION PROCEDURE

HINT:
As the ES starting system is controlled by the skid control ECU, a malfunction in the ABS & BA system may affect ES starting system operation. Before proceeding to the flowchart below, check for ABS & BA system's DTCs. If any of the ABS & BA system's DTCs is present, troubleshoot those DTCs first (see page 05–191).

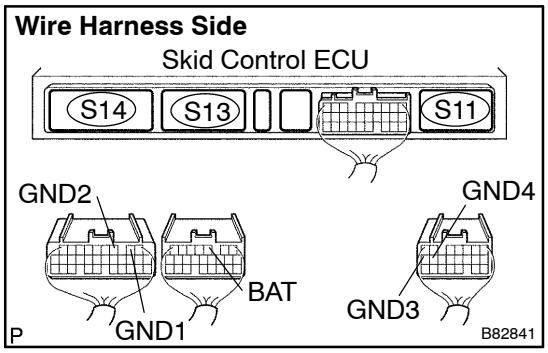
1	INSPECT FUSE (ECU+B)

(a) Remove the ECU+B fuse from the R/B No. 1 and J/B No. 1.
(b) Measure the resistance.
Standard: Below 1 Ω

NG → **REPLACE FUSE**

OK

2	CHECK WIRE HARNESS (SKID CONTROL ECU – BATTERY AND BODY GROUND)



(a) Disconnect the S11, S13 and S14 ECU connectors.
(b) Measure the voltage and resistance of the wire harness side connectors.
Standard:

Tester Connection	Specified Condition
S13–3 (BAT) – Body ground	20 to 28 V
S14–2 (GND1) – Body ground	Below 1 Ω
S14–3 (GND2) – Body ground	Below 1 Ω
S11–15 (GND3) – Body ground	Below 1 Ω
S11–14 (GND4) – Body ground	Below 1 Ω

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

OK

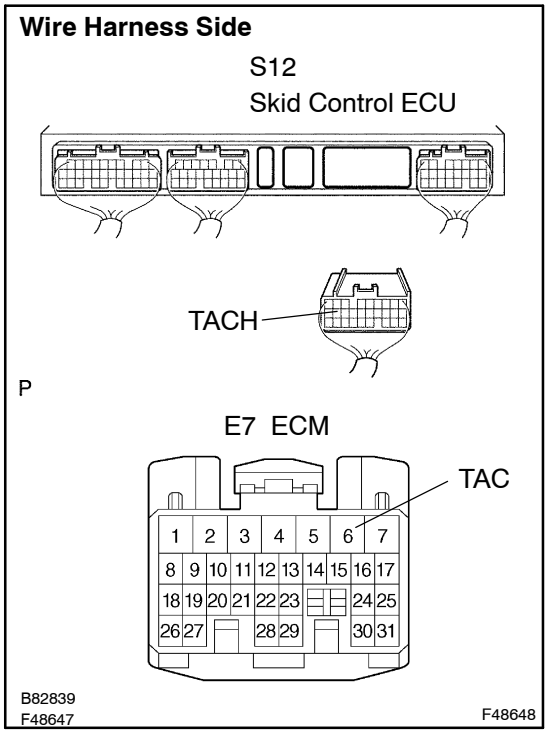
3	CHECK COMBINATION METER

(a) While the engine is running, depress the accelerator pedal with the shift lever in the neutral position and check the reading of the tachometer on the combination meter.
OK: In proportion to the engine speed, the reading of the tachometer changes.

NG → **CHECK TACHOMETER (See Pub. No. RM1008E, page 71–3)**

OK

4 CHECK WIRE HARNESS (SKID CONTROL ECU – ECM)



(a) Disconnect the S12 ECU connector.
(b) Disconnect the E7 ECM connector.
(c) Measure the resistance of the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
S12–7 (TACH) – E7–6 (TAC)	Below 1 Ω
S12–7 (TACH) – Body ground	10 kΩ or higher

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

OK

5 CHECK FOR DTCS

(a) Clear the DTC (see page 05–268).
(b) Drive the vehicle at the vehicle speed of 7 km/h (4 mph) or more.
(c) Check that no code is output.

NG → **REPLACE SKID CONTROL ECU**

OK

END