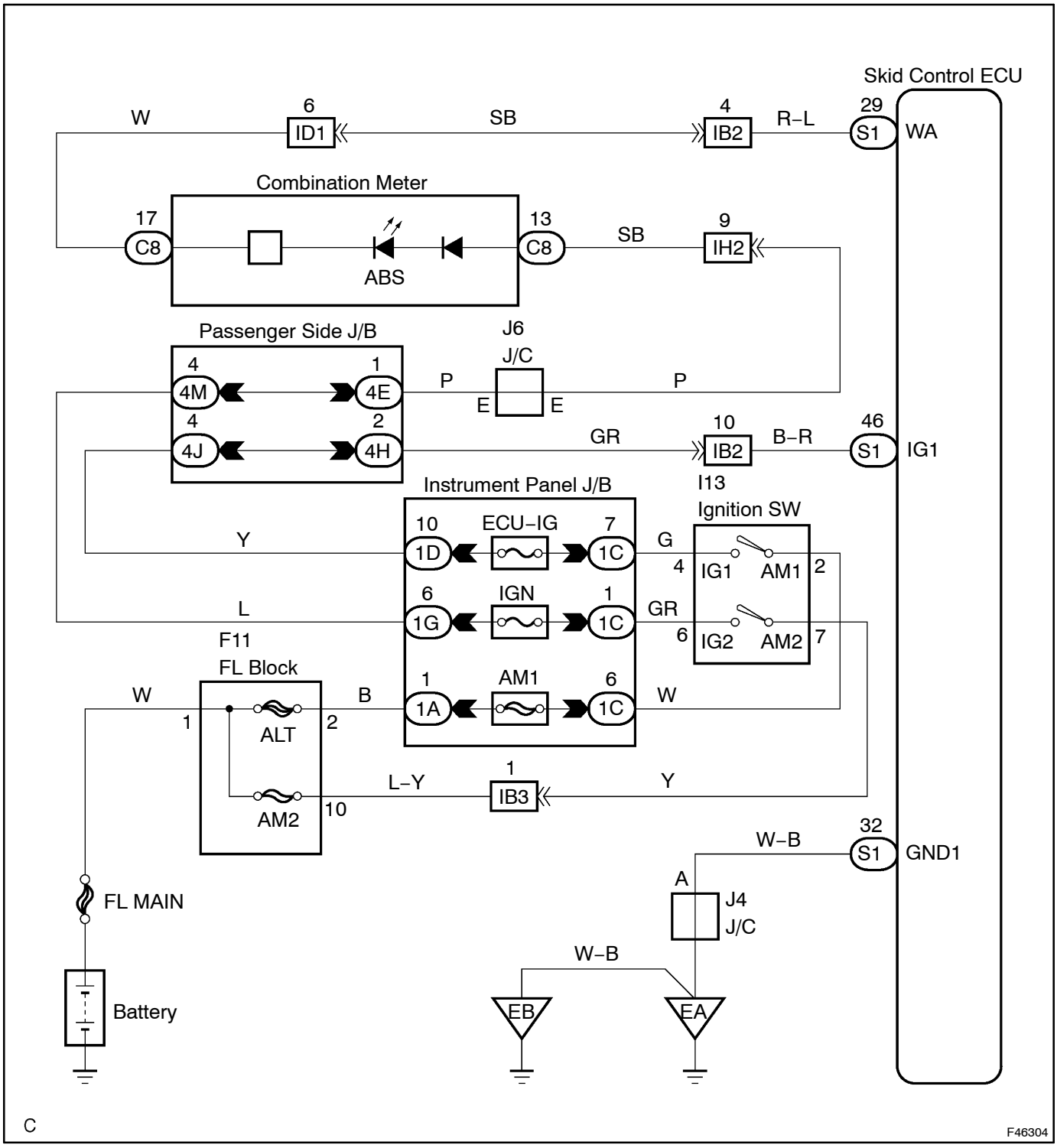
ABS WARNING LIGHT CIRCUIT (REMAINS ON)

CIRCUIT DESCRIPTION

During DTC read by SST (CHECK WIRE), if the ABS warning light remains on, troubleshoot by following this inspection flow.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK DTC

(a) Is DTC output for ABS?
Standard:

DTC is not output	A
DTC is output	B

B → **REPAIR CIRCUIT INDICATED BY OUTPUT CODE**

A

2	INSPECT CHECK IF SKID CONTROL ECU CONNECTOR IS SECURELY CONNECTED

NG → **CONNECT CONNECTOR TO ECU**

OK

3	INSPECT BATTERY

(a) Check the battery voltage.
Standard:

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

NG → **INSPECT CHARGING SYSTEM**

OK

4	INSPECT SKID CONTROL ECU TERMINAL VOLTAGE(IG1 TERMINAL)

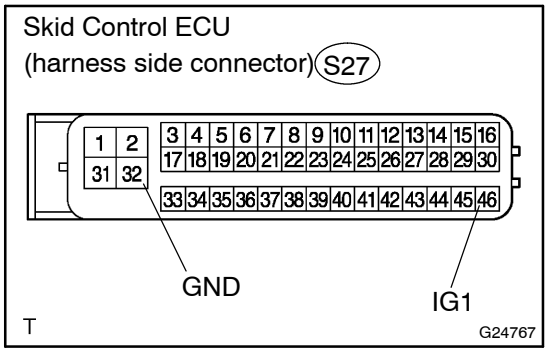
WHEN USING HAND–HELD TESTER:

(a) Connect the hand–held tester to the DLC3.
(b) Start the engine.
(c) Select the DATA LIST mode on the hand–held tester.
(d) Read the voltage condition output from the ECU displayed on the hand–held tester.

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

OK:

”Normal” is displayed.



WHEN NOT USING HAND–HELD TESTER:

(a) Disconnect the skid control ECU connector.
(b) Turn the ignition switch ON position.
(c) Measure the voltage according to the value(s) in the table below.

Standard:

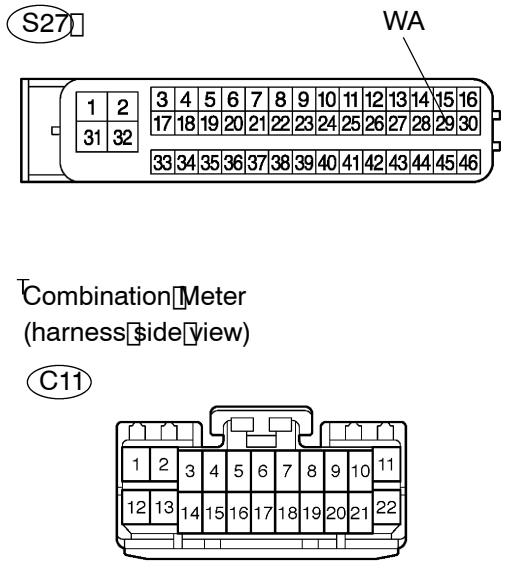
Tester Connection	Specified Condition
S27–46 (IG1) – S27–32 (GND)	11 to 14 V

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

OK

5 CHECK HARNESS AND CONNECTOR(SKID CONTROL ECU – COMBINATION METER)

Skid Control ECU Front View



(a) Disconnect the skid control ECU connector and combination meter connector.

(b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Specified Condition
C11–17 – S27–29 (WA)	Below 1 Ω

(c) Measure the resistance according to the value(s) in the table below.

Standard:

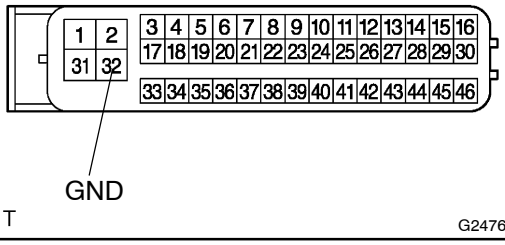
Tester Connection	Specified Condition
S27–29 (WA) – Body ground	10 kΩ or higher

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

OK

6 CHECK HARNESS AND CONNECTOR(SKID CONTROL ECU – BODY GROUND)

Skid Control ECU
(harness side connector) S27



(a) Disconnect the skid control ECU connector.

(b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Specified Condition
S27–32 (GND) – Body ground	Below 1 Ω

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

OK

REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32–43)