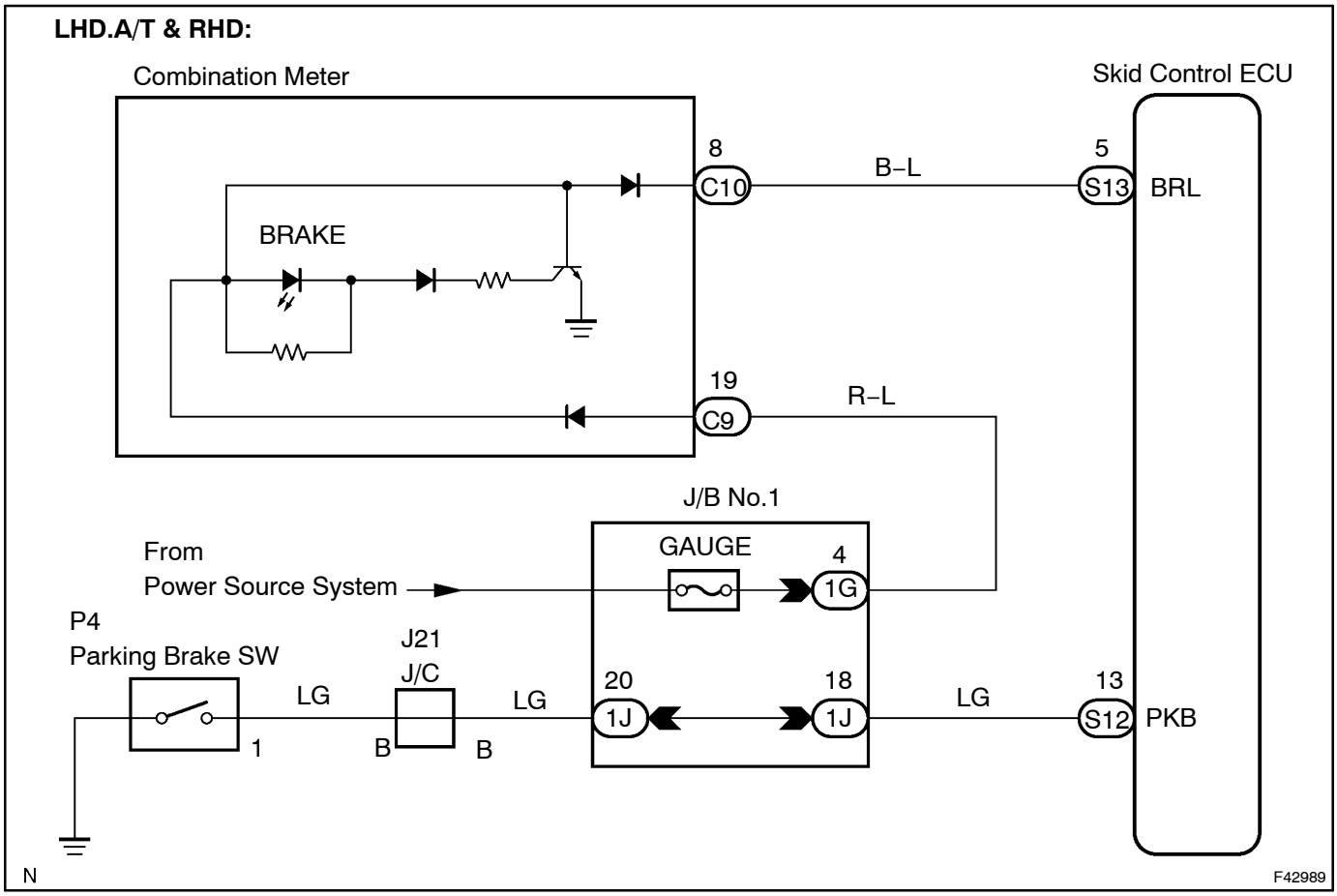
BRAKE WARNING LIGHT CIRCUIT

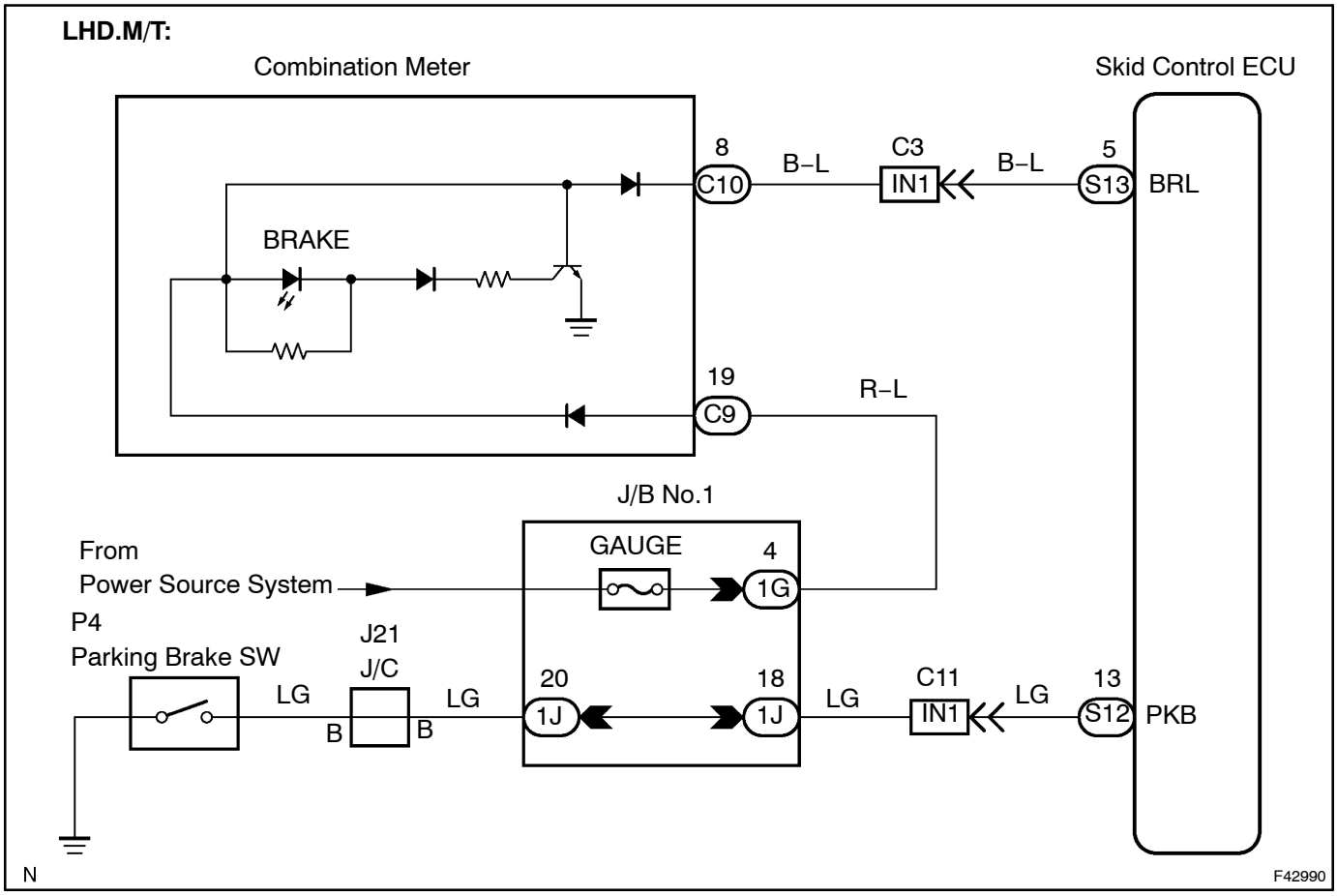
CIRCUIT DESCRIPTION

The BRAKE warning light lights up when the brake fluid is insufficient, the parking brake is applied or the EBD is defective.

WIRING DIAGRAM



LHD.M/T:


Combination Meter
Skid Control ECU
8
C10
B–L
C3
IN1
B–L
5
S13
BRL
BRAKE
19
C9
R–L
J/B No.1
GAUGE
4
1G
From
Power Source System
P4
Parking Brake SW
J21
J/C
LG
B
B
LG
20
1J
18
1J
LG
C11
IN1
LG
13
S12
PKB
N
F42990

INSPECTION PROCEDURE

HINT:
Start the inspection from step 1 in case of using the hand–held tester and start from step 2 in case of not using the hand–held tester.

1	PERFORM ACTIVE TEST BY BRAKE WARNING LIGHT

(a) Check that "ON" and "OFF" of the BRAKE warning light can be shown on the combination meter with the hand–held tester.

OK → Go to step 3

NG

2	INSPECT BRAKE WARNING LIGHT

(a) See combination meter troubleshooting on page 05–1546.

NG → REPAIR OR REPLACE COMBINATION METER ASSEMBLY

OK

3	CHECK DTC FOR ABS

(a) Check DTC on page 05–730.

YES → REPAIR CIRCUIT INDICATED BY OUTPUT CODE

NO

4	INSPECT PARKING BRAKE SWITCH ASSY

NG → REPLACE PARKING BRAKE SWITCH ASSY

OK

5	INSPECT BRAKE FLUID LEVEL WARNING SWITCH CIRCUIT

NG → REPAIR OR REPLACE BRAKE FLUID LEVEL WARNING SWITCH CIRCUIT

OK

6	CHECK HARNESS AND CONNECTOR (SKID CONTROL ECU – PARKING BRAKE SWITCH)

(a) Check for open and short circuit in harness and connector between terminal PKB of skid control ECU and parking brake switch (See page 01–36).

NG → REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

7	CHECK HARNESS AND CONNECTOR (SKID CONTROL ECU – BRAKE FLUID LEVEL WARNING SWITCH)

(a) Check for open and short circuit in harness and connector between terminal LBL of skid control ECU and brake fluid level warning switch (See page 01–36).

NG → REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

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

(a) Check for open and short circuit in harness and connector between skid control ECU and combination meter (See page 01–36).

NG → REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

CHECK AND REPLACE SKID CONTROL ECU ASSY