| DTC | AlwaysON | MALFUNCTION IN ABS ECU |
|---|---|---|

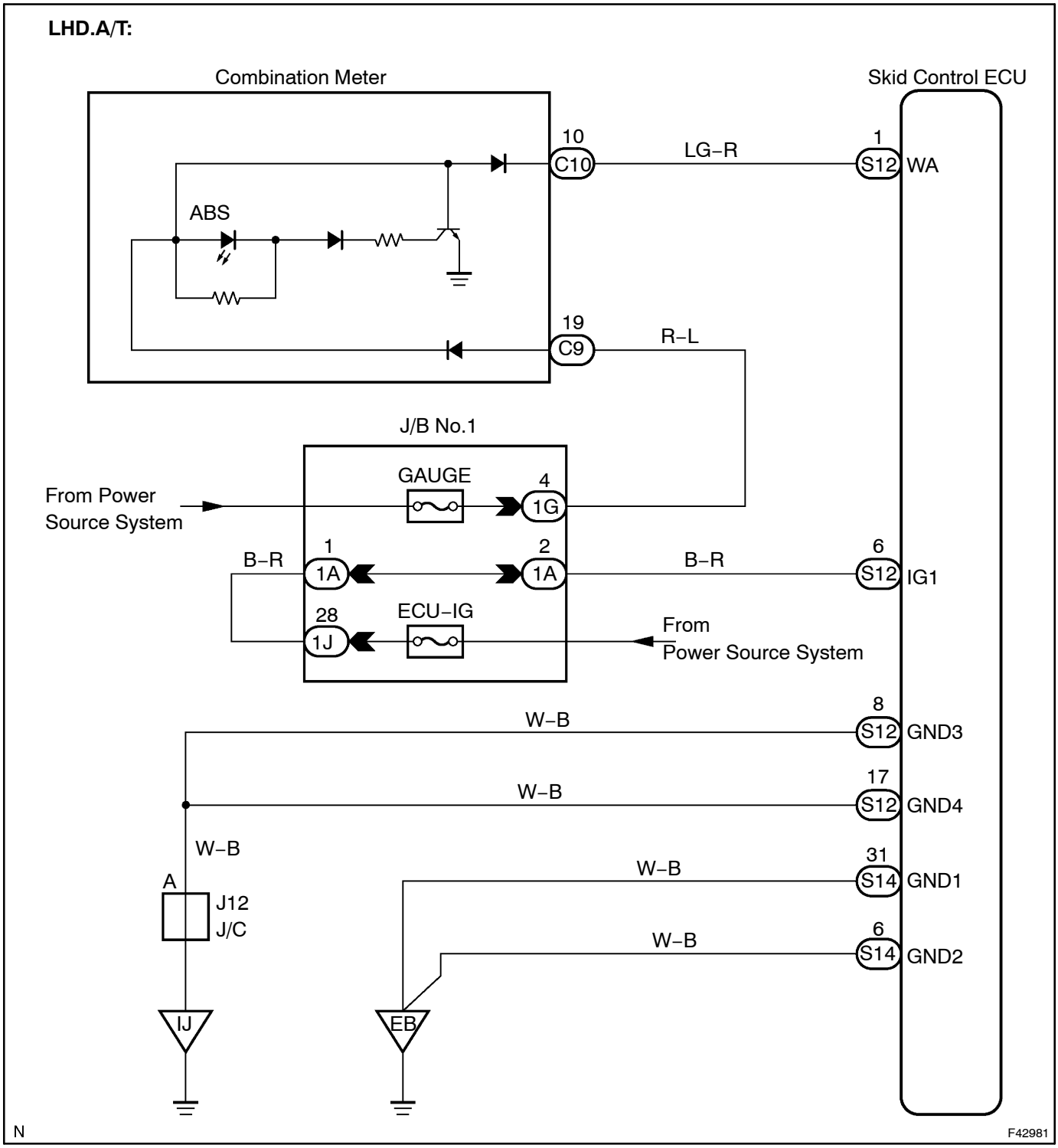
## CIRCUIT DESCRIPTION

| DTC No. | DTC Detecting Condition | Trouble Area |
|---|---|---|
| Always ON | Either of the following 1. or 2. is detected:<br>1. The ECU connectors are OFF from the ECU.<br>2. There is a malfunction in the ECU internal circuit. | • Battery<br>• IC regulator<br>• Power source circuit<br>• Skid control ECU |

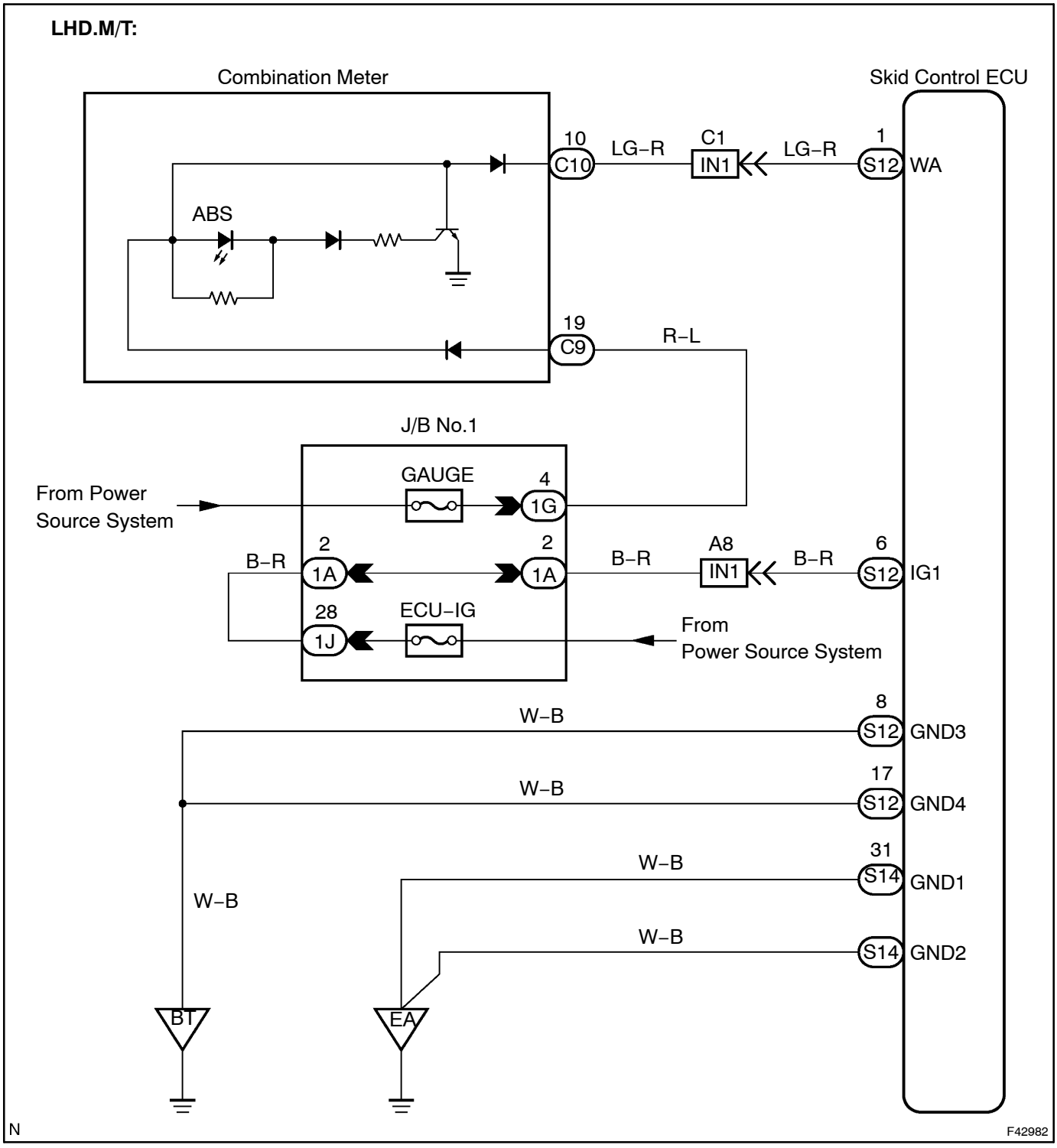
HINT:
There is a case that hand–held tester cannot be used when ECU is abnormal.

# WIRING DIAGRAM

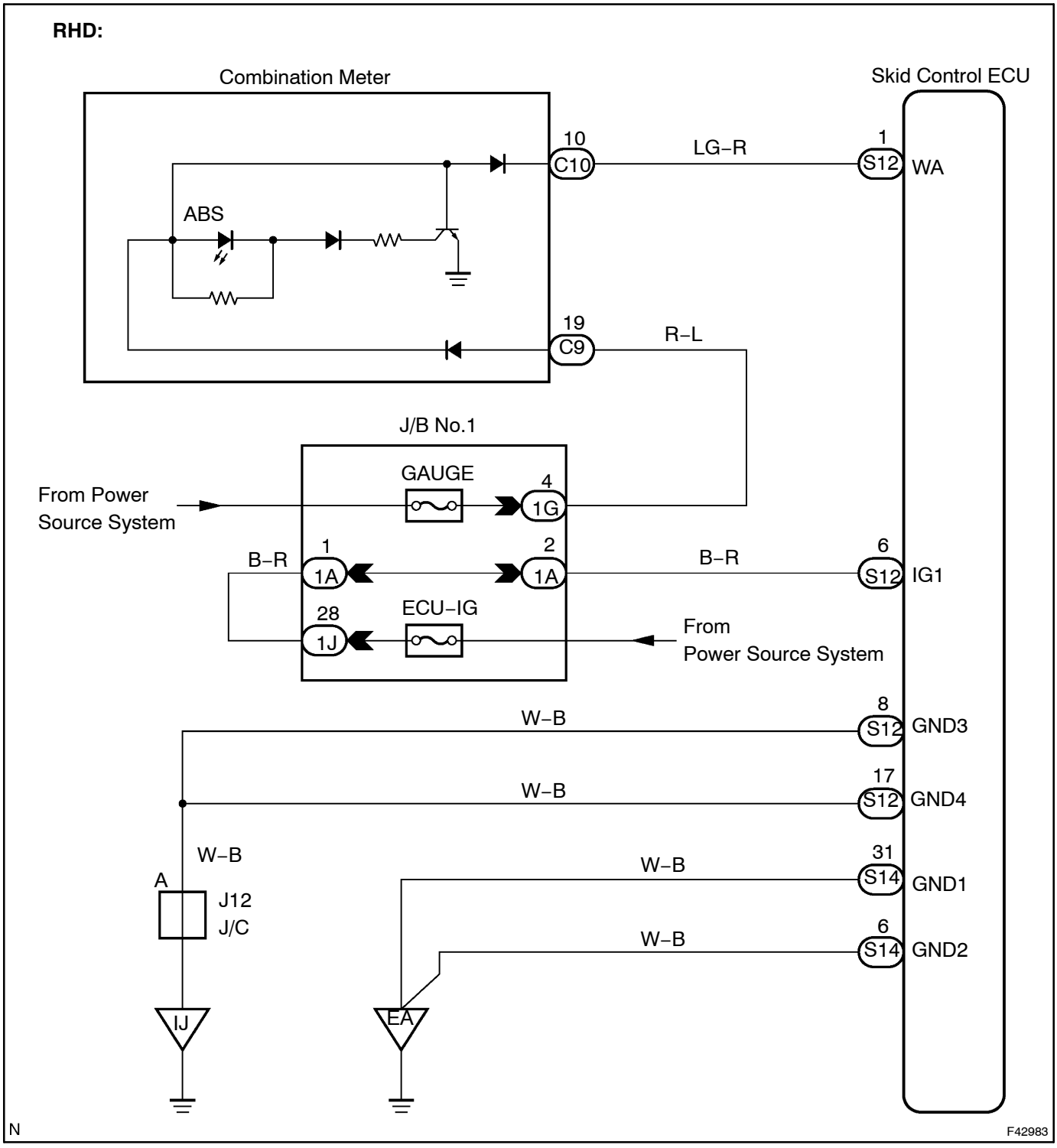
**LHD.A/T:**



**LHD.M/T:**


Combination Meter
Skid Control ECU
10
C10
LG–R
C1
IN1
LG–R
1
S12
WA
ABS
19
C9
R–L
J/B No.1
From Power Source System
GAUGE
4
1G
2
1A
B–R
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
31
S14
GND1
W–B
S14
GND2
W–B
W–B
BT
EA
N
F42982

**RHD:**


Combination Meter
Skid Control ECU
10
C10
LG–R
1
S12
WA
ABS
19
C9
R–L
J/B No.1
GAUGE
4
1G
From Power
Source System
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
F42983

# INSPECTION PROCEDURE

| 1 | CHECK DTC FOR ABS |
|---|---|

(a) Check DTC on page 05–730.

YES → REPAIR CIRCUIT INDICATED BY OUTPUT CODE

NO

| 2 | INSPECT SKID CONTROL ECU CONNECTOR SECURELY CONNECTED |
|---|---|

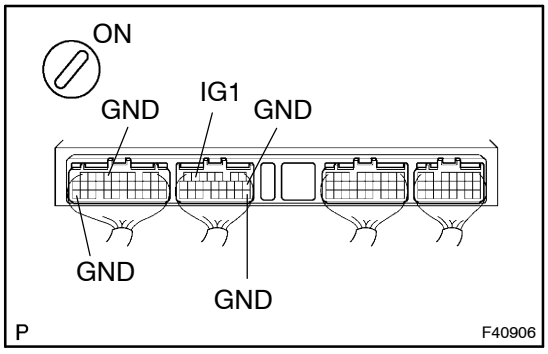
NO → CONNECT CONNECTOR TO ECU

YES

| 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 → Go to step 5

NG

| 4 | INSPECT BATTERY |
|---|---|

**OK:**
**Voltage: 10 – 14 V**

NG → CHECK AND REPLACE CHARGING SYSTEM

OK

| 5 | CHECK HARNESS AND CONNECTOR (DLC3 – SKID CONTROL ECU) |
|---|---|

(a) Check for short circuit in harness and connector between terminal TC of DLC3 and skid control ECU (See page 01–36).

NG → REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

| 6 | INSPECT ABS WARNING LIGHT |
|---|---|

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

NG → REPAIR OR REPLACE COMBINATION METER ASSEMBLY

OK

| 7 | 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