

DTC	AlwaysON	MALFUNCTION IN ABS ECU
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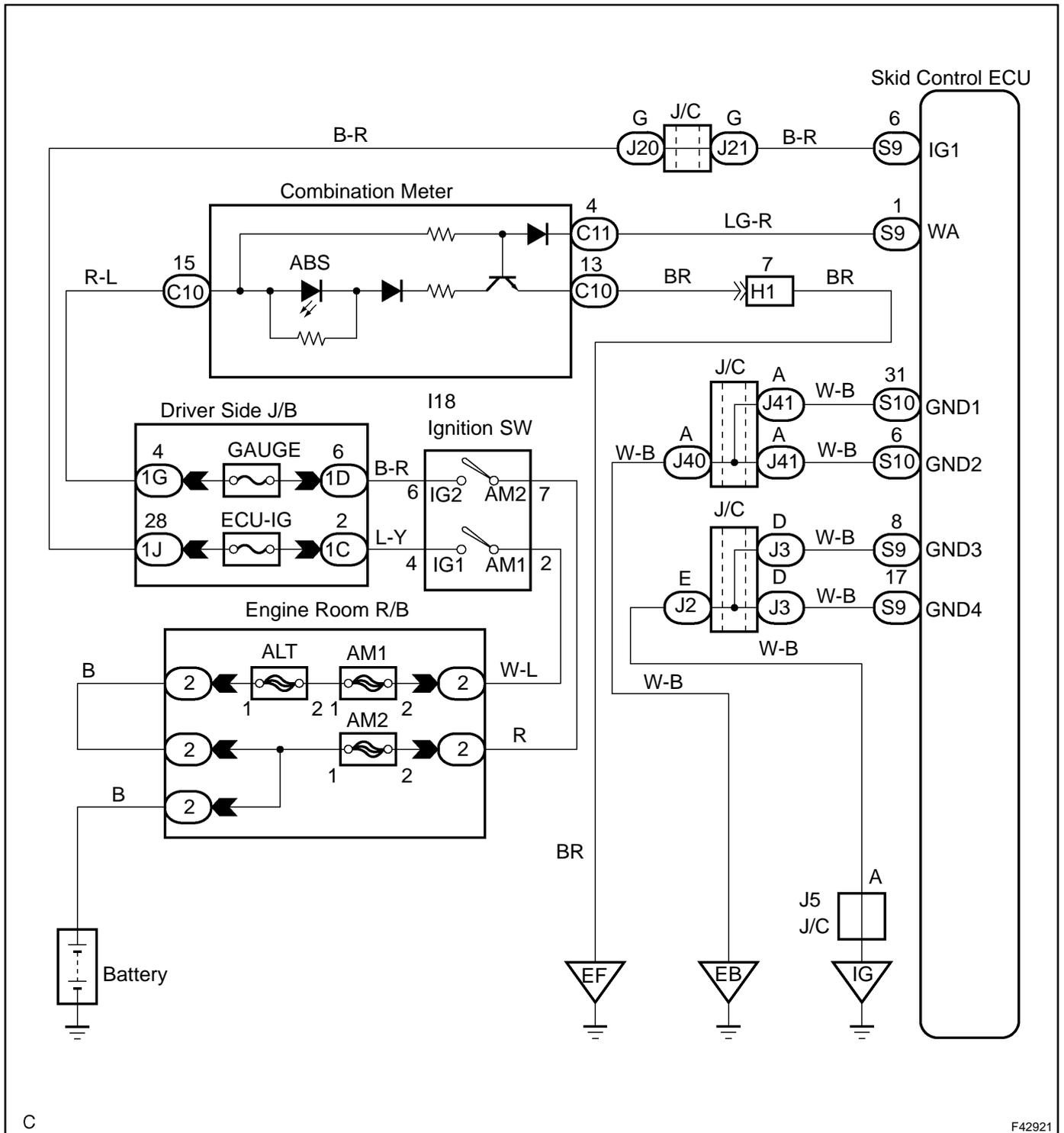
CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
Always ON	Either of the following 1. or 2. is detected: 1. The ECU connectors are OFF from the ECU. 2. There is a malfunction in the ECU internal circuit.	<ul style="list-style-type: none"> • Battery • IC regulator • Power source circuit • Skid control ECU

HINT:

There is a case that TOYOTA hand-held tester cannot be used when ECU is abnormal.

WIRING DIAGRAM



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F42921

INSPECTION PROCEDURE

1 CHECK DTC FOR ABS

(a) Check DTC on page 05-307 .

YES → REPAIR CIRCUIT INDICATED BY OUTPUT CODE

NO

2 INSPECT SKID CONTROL ECU CONNECTOR SECURELY CONNECTED

NO → CONNECT CONNECTOR TO ECU

YES

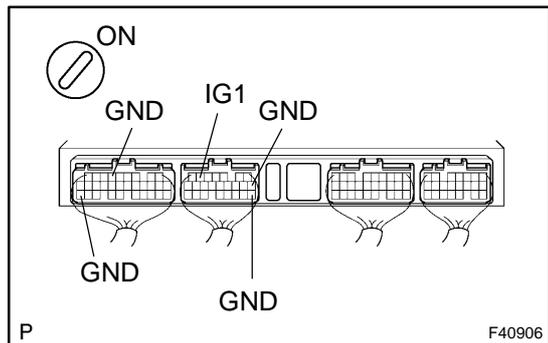
3 INSPECT SKID CONTROL ECU TERMINAL VOLTAGE(IG1 TERMINAL)

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

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4 INSPECT BATTERY

OK:

Voltage: 10 - 14 V

NG → CHECK AND REPLACE CHARGING SYSTEM

OK

5	CHECK HARNESS AND CONNECTOR(DLC3 - SKID CONTROL ECU)
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- (a) Check for short circuit in harness and connector between terminal Tc of DLC3 and skid control ECU (See page [01-35](#)).

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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

6	INSPECT ABS WARNING LIGHT
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- (a) See combination meter troubleshooting on page [05-1053](#) .

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REPAIR OR REPLACE COMBINATION METER ASSEMBLY

OK

7	CHECK HARNESS AND CONNECTOR(SKID CONTROL ECU - COMBINATION METER)
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- (a) Check for open and short circuit in harness and connector between skid control ECU and combination meter (See page [01-35](#)).

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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

CHECK AND REPLACE SKID CONTROL ECU ASSY
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