

DTC	AlwaysON	MALFUNCTION IN ABS ECU
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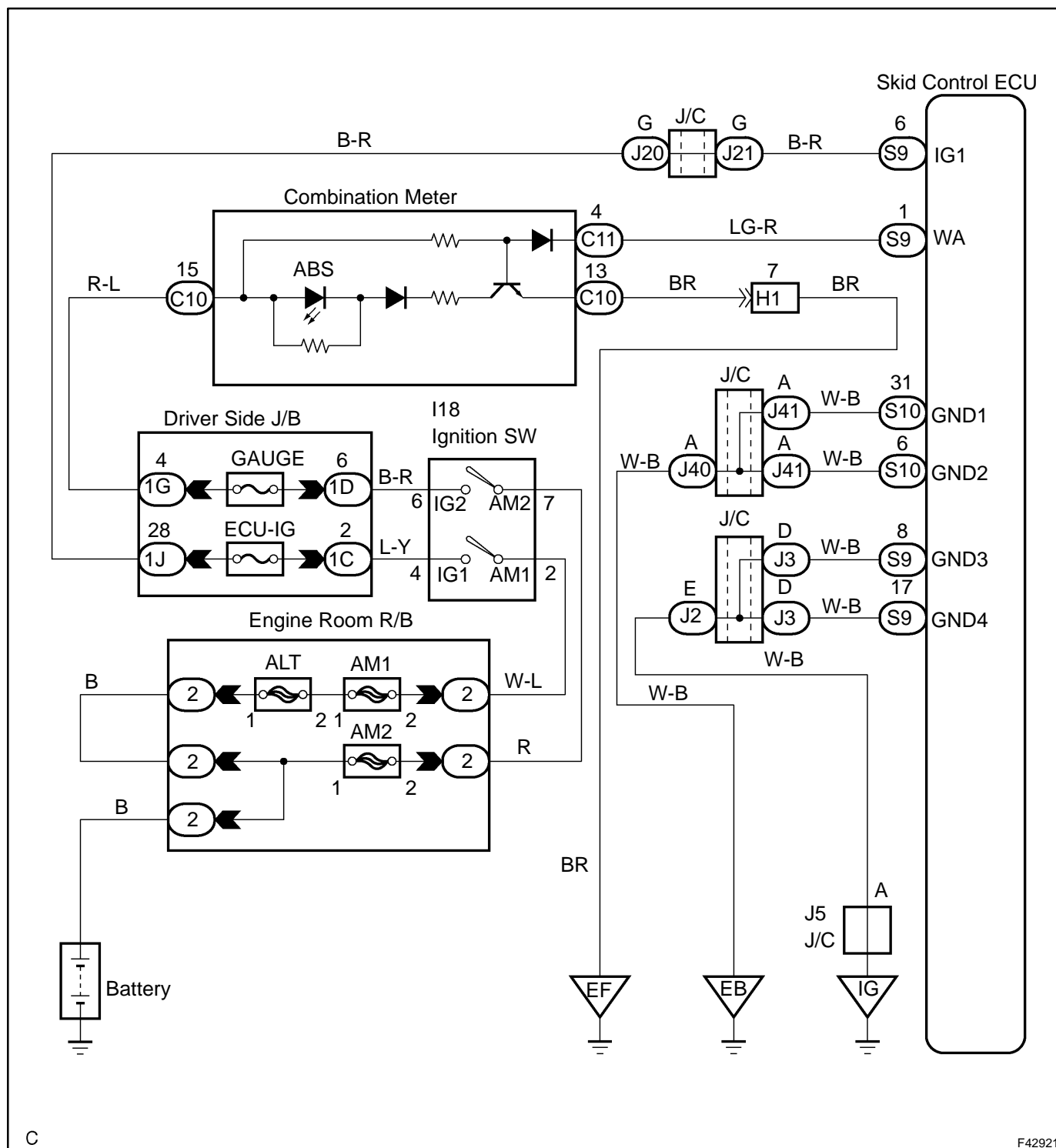
CIRCUIT DESCRIPTION

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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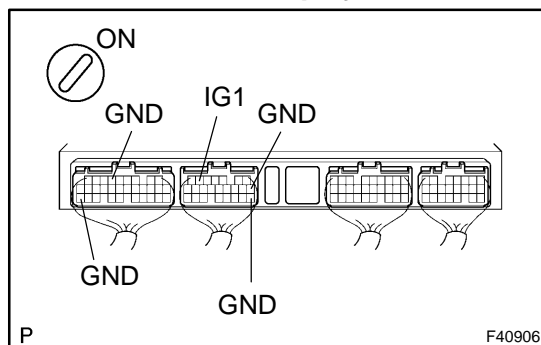
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INSPECTION PROCEDURE**1 CHECK DTC FOR ABS**

- (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****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 [01-35](#)).

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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

6 INSPECT ABS WARNING LIGHT

- (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)

- (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