

DTC	Always ON	Malfunction in 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.	• Battery • IC regulator • Power source circuit • ABS & BA & TRC & VSC ECU

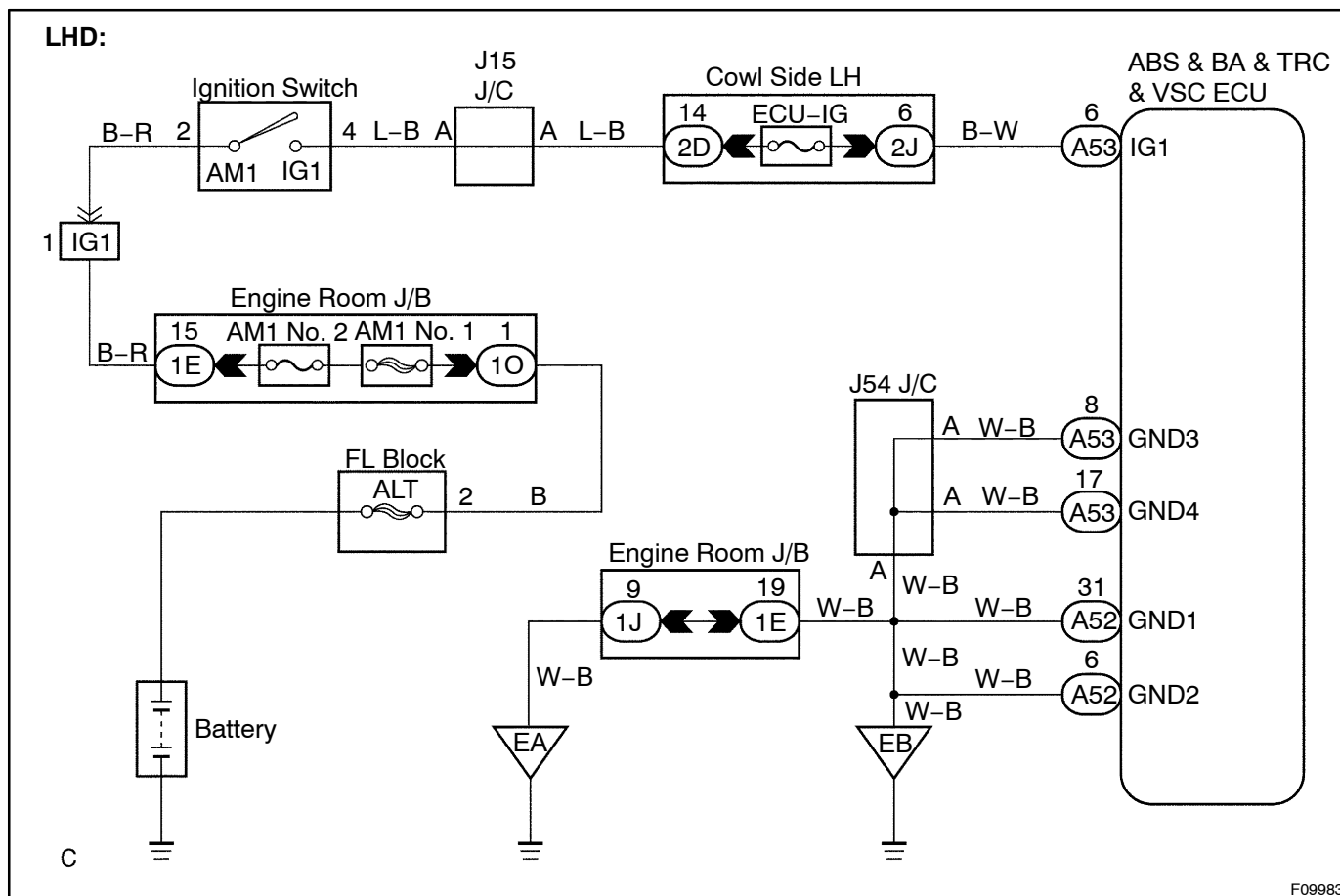
HINT:

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

Fail safe function:

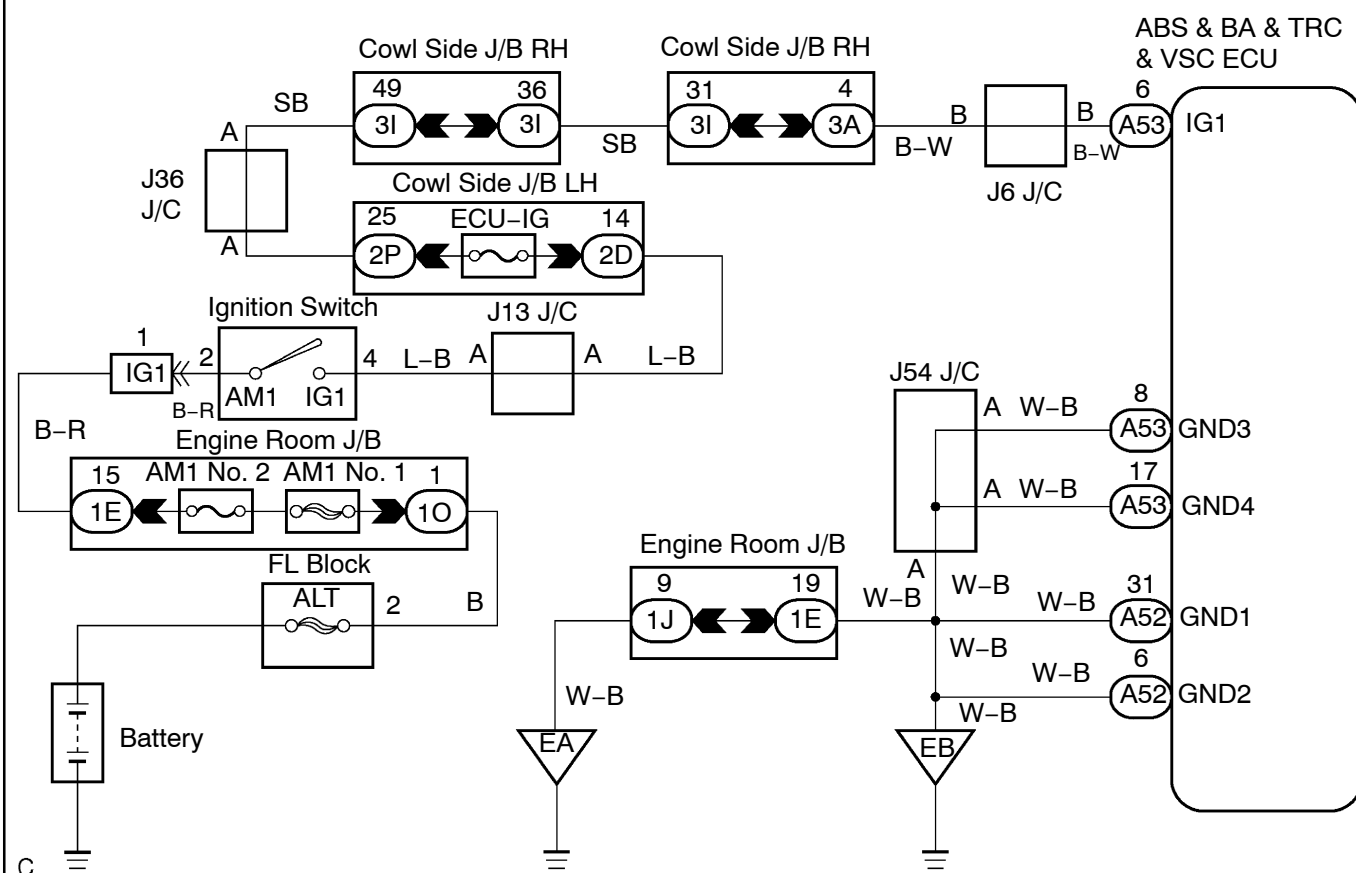
If trouble occurs in the ECU, the ECU cuts off current to the ABS solenoid relay and prohibits ABS & BA & TRC & VSC controls. When fail safe function in ABS system is activated, "VSC TRC" warning light and "VSC OFF" indicator light tight up.

WIRING DIAGRAM



F09983

RHD:



F10012

INSPECTION PROCEDURE

- 1 Check that the ECU connectors are securely connected to the ECU.

NO

Connect the connector to the ECU.

YES

2 Is DTC output?Check DTC on [page DI-4](#).**YES**

Repair circuit indicated by the output code.

NO**3** Does ABS warning light go off?**YES**Check for open or short circuit in harness and connector between ECU-IG fuse and ECU ([See page IN-35](#)).**NO****4** Check battery voltage.**PREPARATION:**

Start the engine.

CHECK:

Check the battery voltage.

OK:**Voltage: 10 – 14 V****NG**

Check and repair the charging system.

OK

5 Check operation of the ABS warning light.

In case of using the hand-held tester:

PREPARATION:

- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the ignition switch ON and push the hand-held tester main switch ON.
- (c) Select the ACTIVE TEST mode on the hand-held tester.

CHECK:

Check that "ON" and "OFF" of the ABS warning light can be shown on the combination meter by the hand-held tester.

In case of not using the hand-held tester:

PREPARATION:

- (a) Turn the ignition switch OFF.
- (b) Disconnect the connector from the ABS & BA & TRC & VSC ECU.
- (c) Turn the ignition switch ON.

CHECK:

Check the ABS warning goes off.

OK

Check and replace combination meter ([See page BE-1](#)).

NG

6 Check for short circuit in harness and connector between combination meter and ABS & BA & TRC & VSC ECU, combination meter and check connector ([See page IN-35](#)).

NG

Repair or replace harness or connector.

OK

Check and replace ABS & BA & TRC & VSC ECU.