

<b>DTC</b>	<b>Always ON</b>	<b>Malfunction in ECU VSC Warning Light Circuit</b>
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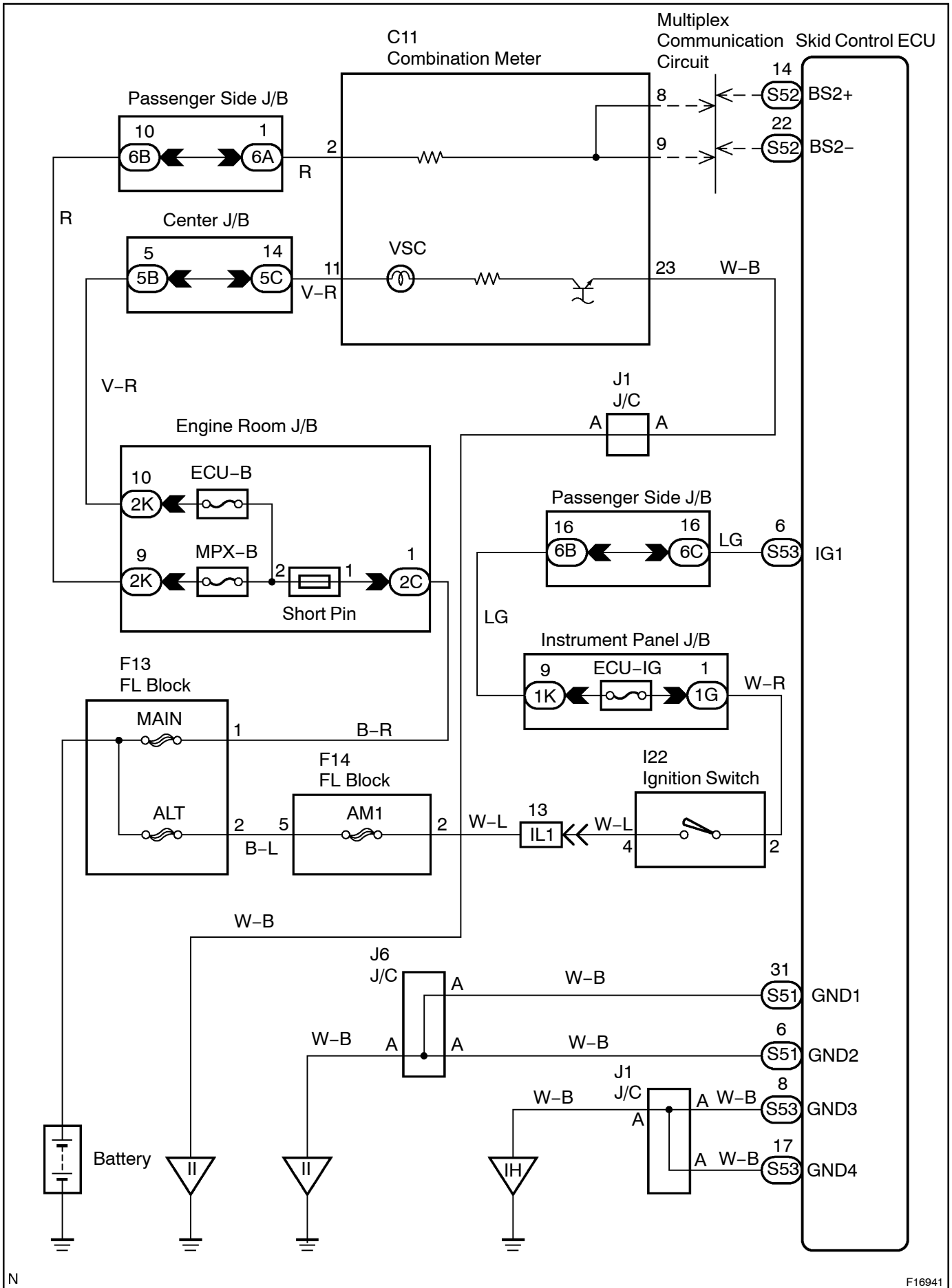
## CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
Always ON	There is a malfunction in the ECU internal circuit.	<ul style="list-style-type: none"> <li>• Power source circuit</li> <li>• Skid control ECU</li> <li>• VSC warning light circuit</li> </ul>

### HINT:

If fail safe function is activated in VSC system, "TRC OFF" indicator light lights up.

# WIRING DIAGRAM



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F16941

### INSPECTION PROCEDURE

1	Is DTC output for VSC?
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Check DTC on [page DI-3](#).

YES	Repair circuit indicated by the output code.
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NO
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2	Check that the skid control ECU connectors are securely connected to the skid control ECU.
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NO	Connect the connector to the skid control ECU.
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YES
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<b>3</b>	<b>Check voltage of the ECU IG power source.</b>
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**In case of using the hand-held tester:**

**PREPARATION:**

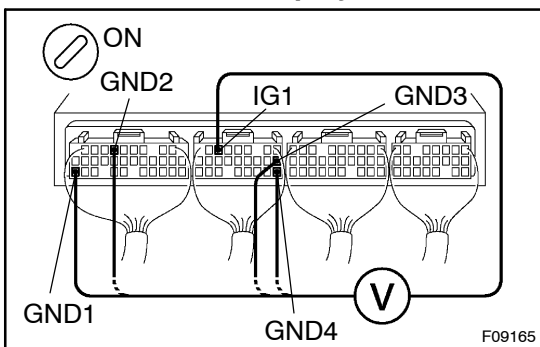
- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the ignition switch to ON and turn the hand-held tester main switch to ON.
- (c) Select the DATALIST mode on the hand-held tester.

**CHECK:**

Check the voltage condition output from the ECU observed in the hand-held tester.

**OK:**

**"Normal" is displayed.**



**In case of not using the hand-held tester:**

**PREPARATION:**

Remove the skid control ECU with the connectors still connected to it.

**CHECK:**

- (a) Turn the ignition switch to ON.
- (b) Measure voltage between the terminals IG1 and GND of the skid control ECU.

**OK:**

**Voltage: 10 - 14 V**

**OK**

**Check and replace skid control ECU.**

**NG**

<b>4</b>	<b>Check battery positive voltage.</b>
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**CHECK:**

Check the battery positive voltage.

**OK:**

**Voltage: 10 - 14 V**

**NG**

**Check and repair the charging system.**

**OK**

**5 Check operation of the VSC 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 to ON and turn the hand-held tester main switch to ON.
- (c) Select the ACTIVE TEST mode on the hand-held tester.

**CHECK:**

Check that "ON" and "OFF" of the VSC 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 skid control ECU.
- (c) Turn the ignition switch to ON.

**CHECK:**

Check that the VSC warning light lights up.

**NG** Repair or replace combination meter.

**OK**

**6 Check for open and short circuit in multiplex communication system between skid control ECU and combination meter (See page IN-31).**

**NG** Repair or replace harness or connector.

**OK**

**Check and replace skid control ECU.**