DTC	Always ON	Malfunction in ECU VSC Warning Indicator Circuit

CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
Always ON	Malfunction in skid control ECU	• Power source circuit • Skid control ECU

WIRING DIAGRAM
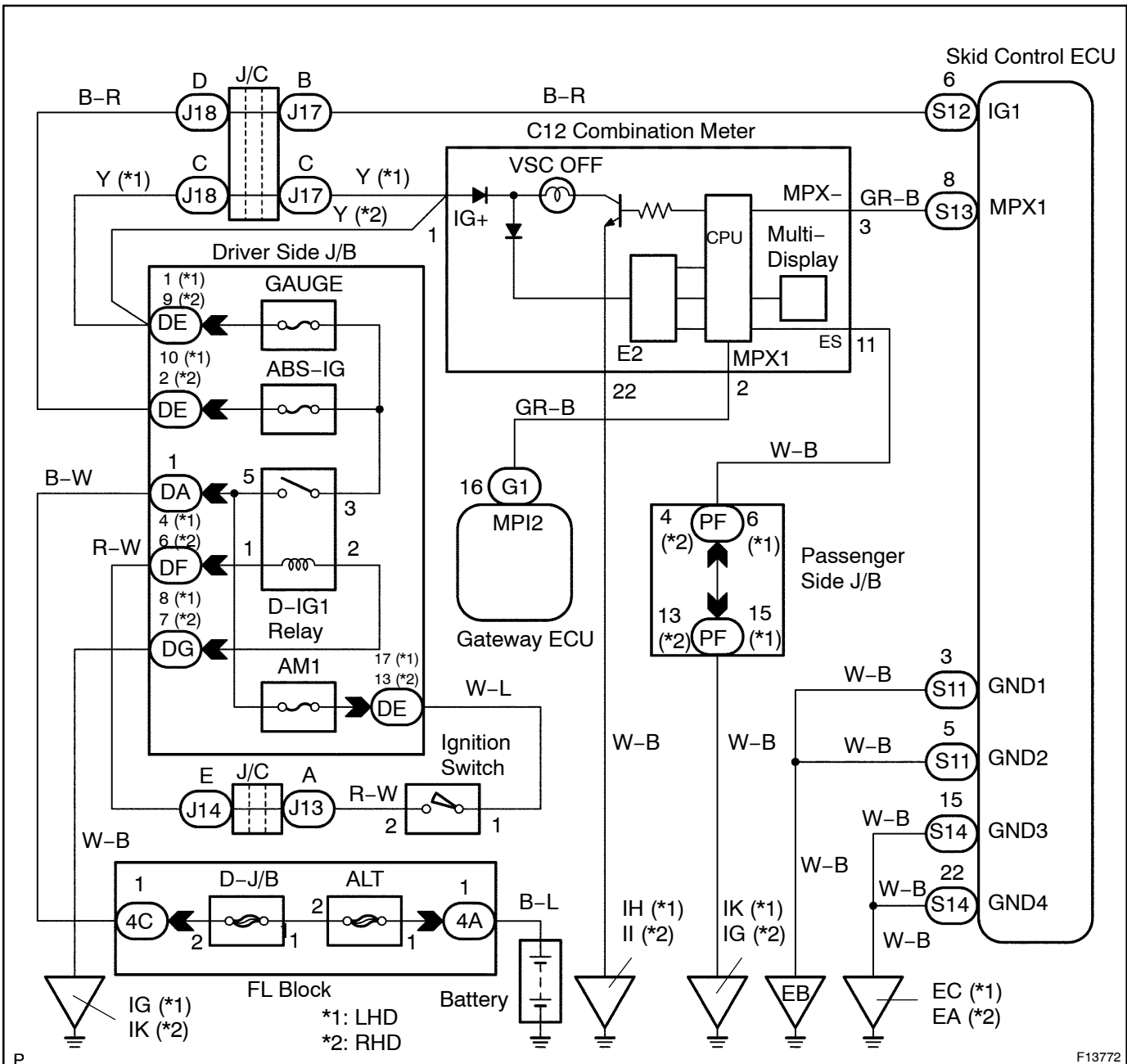
INSPECTION PROCEDURE

HINT:

Start the inspection from step 1 in case of using the hand–held tester and start from step 5 in case of not using the hand–held tester.

1	Is DTC output for VSC?

Check DTC on page DI–343.

> **YES** > **Repair circuit indicated by the code output.**

NO

2	Check operation of the VSC warning indicator.

PREPARATION:

(a)   Connect the hand–held tester to the DLC3.

(b)   Turn the ignition switch ON and turn the hand–held tester main switch ON.

(c)   Select the ACTIVE TEST mode on the hand–held tester.

CHECK:

Check if the display of "CHECK VSC" (VSC warning) can be shown or turned off on the multi–information display by the hand–held tester.

> **OK** > **Check ENG ± signal circuit and engine and ECT ECU.**

NG

3	Check for open and short circuit in multiplex communication circuit between terminal MPX1 of skid control ECU and terminal MPX– of combination meter (See page IN–35).

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

OK

4	Check multi–information display.

See combination meter troubleshooting on page BE–73.

> NG > **Repair or replace combination meter.**

> OK

Check and replace skid control ECU.

5	Is DTC output for VSC?

Check DTC on page DI–343.

> YES > **Repair circuit indicated by the code output.**

> NO

6	Is "CHECK VSC" on?

> NO > **Go to step 9.**

> YES

Check Tc input signal circuit of combination meter ECU and Tc terminal circuit of engine and ECT ECU (See page IN–35) and combination meter ECU (See page DI–953).

7	Check gateway ECU (See page DI–1443).

> NG > **Check and replace gateway ECU.**

> OK

| 8 | Check for open and short circuit in harness and connector between MPX1 of combination meter and terminal MPI2 of gateway ECU (See page IN–35). |

NG ⟩ Repair or replace harness or connector.

OK

| 9 | Check multi–information display. |

See combination meter troubleshooting on page BE–73.

NG ⟩ Repair or replace combination meter.

OK

Check and replace skid control ECU.