

VSC WARNING LIGHT CIRCUIT (DOES NOT LIGHT UP)

CIRCUIT DESCRIPTION

If the ECU stores DTC, the VSC warning light comes on in the combination meter.

The skid control ECU is connected to the combination meter via CAN and Multiplex communications.

The diagram illustrates the electrical system for the Skid Control ECU with Actuator. It shows the following components and connections:

- Gateway ECU:**
 - CA1L (G1) at terminal 18, connected to L (2) at J39.
 - CA1H (G1) at terminal 17, connected to LG (1) at J39.
 - MPI2 (G1) at terminal 13, connected to GR-B (2) at the Combination Meter.
- Driver Side J/B:**
 - DA (1) and DF (1) at terminals 1 and 2, connected to B-W and R-W(*1) respectively.
 - IG1 Relay (5) and 2, connected to D-IG1 and 1 respectively.
 - ABS-IG (3) connected to DD (4) at terminal 46.
 - GAUGE (1) connected to DE (8) at terminal 46.
 - AM1 (1) connected to DE (13) at terminal 46.
 - W-B (1) connected to W-B (1) at terminal 46.
 - W-L (1) connected to W-L (1) at terminal 46.
- Combination Meter:**
 - CUP (1) and Multi-Display (1) connected to GR-B (2) at terminal 13.
 - Y (1) connected to Y (1) at terminal 13.
- Fusible Link Block:**
 - 1 (4C) and 2 (D-J/B) connected to B-L (1) at terminal 4C.
 - 1 (ALT) and 2 (4A) connected to B-L (1) at terminal 4A.
- Passenger Side J/B:**
 - 6(*1) and 15(*1) connected to PF (1) at terminal 32.
 - 4(*2) and 13(*2) connected to PF (1) at terminal 32.
 - W-B (1) connected to W-B (1) at terminal 32.
- Grounding:**
 - Battery connected to GND1 (S48) at terminal 32.
 - IG (1) connected to GND1 (S48) at terminal 32.
 - EC (1) connected to GND1 (S48) at terminal 32.
 - EB (1) connected to GND1 (S48) at terminal 32.
 - W-B(*1) and W-B(*2) connected to GND2 (S48) at terminal 1.

*1: LHD *2: RHD

INSPECTION PROCEDURE

1 INSPECT CAN COMMUNICATION SYSTEM

(a) Is the DTC output for CAN communication system?

Result:

DTC is not output	A
DTC is output	B

B

REPAIR CAN COMMUNICATION SYSTEM
(SEE PAGE 05-3331)

A

2 INSPECT MULTIPLEX COMMUNICATION SYSTEM

(a) Is the DTC output for Multiplex communication system?

Result:

DTC is not output	A
DTC is output	B

B

REPAIR MULTIPLEX COMMUNICATION SYSTEM
(SEE PAGE 05-3162)

A

3 CHECK MULTI INFORMATION DISPLAY (VSC WARNING)

(a) Connect the Intelligent Tester II to the DLC3 and start the engine.

(b) Select the item "VSC Light" in the ACTIVE TEST and operate the VSC warning light on the intelligent tester II.

Item	Vehicle Condition / Test Details	Diagnostic Note
VSC Warning Light	Turns VSC warning light ON/OFF	Observe combination meter

(c) Check that "ON" and "OFF" of the VSC warning light are indicated on the combination meter when using the intelligent tester II.

OK:

Turn the VSC warning light ON or OFF in accordance with the intelligent tester II.

NG

CHECK AND REPAIR VSC WARNING LIGHT CIRCUIT

OK

REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32-53)

NOTICE:

When replacing ABS & TRACTION Actuator Assy, perform zero point calibration (see page 05-387).