VSC Warning Light does not Come ON

DESCRIPTION

The skid control ECU is connected to the combination meter via CAN and multiplex communications. If the skid control ECU stores DTCs to shut down TRAC and VSC operation, the VSC warning light comes on in the combination meter.

WIRING DIAGRAM

Refer to VSC Warning Light Remains ON (See page BC-147).

INSPECTION PROCEDURE

NOTICE:

When replacing the brake actuator assembly, perform zero point calibration (See page BC-70).

1	CHECK CAN COMMUNICATION SYSTEM

(a) Check if the CAN communication system DTC is output (See page CA-17).

Result

Result	Proceed to
CAN communication system DTC is not output	A
CAN communication system DTC is output	B

B → INSPECT CAN COMMUNICATION SYSTEM

A

2	CHECK MULTIPLEX COMMUNICATION SYSTEM

(a) Check if the multiplex communication system DTC is output (See page MP-14).

Result

Result	Proceed to
Multiplex communication system DTC is not output	A
Multiplex communication system DTC is output	B

B → INSPECT MULTIPLEX COMMUNICATION SYSTEM

A

3	CHECK VSC WARNING LIGHT

(a) Connect the intelligent tester to the DLC3.
(b) Start the engine.
(c) Select the Active Test mode on the intelligent tester (See page BC-85).

ABS / VSC:

Tester Display	Test Part	Control Range	Diagnostic Note
VSC WARN LIGHT	VSC warning light	Warning light ON / OFF	Observe combination meter

BC

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

OK:

The VSC warning light turns on or off in accordance with the intelligent tester.

HINT:

If troubleshooting has been carried out according to the Problem Symptoms Table, refer back to the table and proceed to the next step before replacing the part (See page BC-79).

NG → **Go to step 4**

OK ↓

REPLACE BRAKE ACTUATOR ASSEMBLY

4	INSPECT COMBINATION METER ASSEMBLY

(a) Turn the ignition switch off.

(b) Check the combination meter (See page ME-4).

OK:

The combination meter is normal.

HINT:

If troubleshooting has been carried out according to the Problem Symptoms Table, refer back to the table and proceed to the next step (See page BC-79).

NG → **REPLACE COMBINATION METER ASSEMBLY**

OK ↓

REPLACE BRAKE ACTUATOR ASSEMBLY