

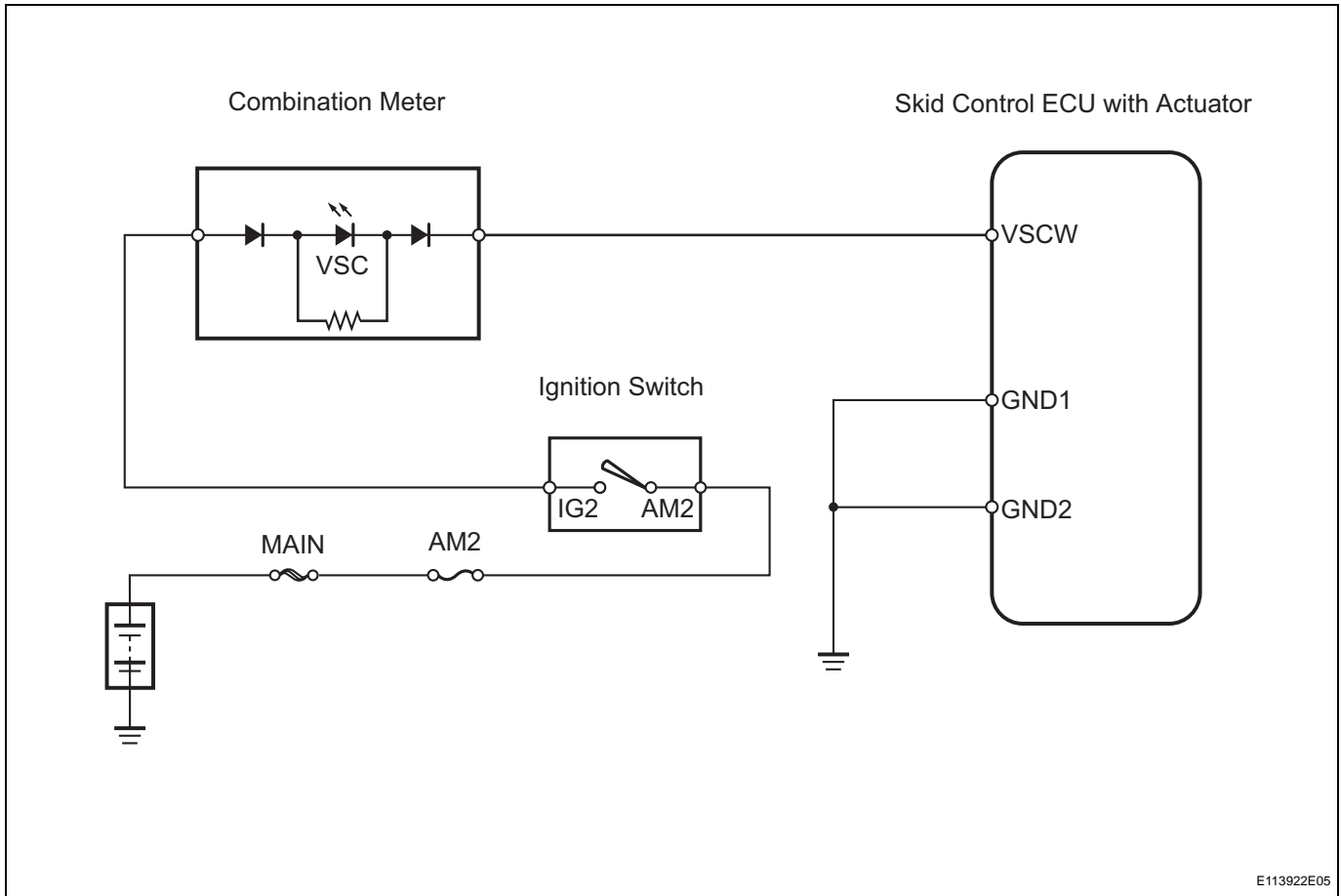
VSC Warning Light Remains ON

DESCRIPTION

If the ECU stores a DTC, the VSC warning light illuminates.

DTC No.	DTC Detection Condition	Trouble Area
Always ON	Malfunction in skid control ECU with actuator	<ul style="list-style-type: none"> VSC warning light circuit Power source circuit Skid control ECU with actuator

WIRING DIAGRAM



1 CHECK FOR DTC

(a) Check for DTCs (see page [BC-16](#)).

Result

Result	Proceed to
DTC is not output	A
DTC is output	B

B

REPAIR CIRCUIT INDICATED BY OUTPUT CODE

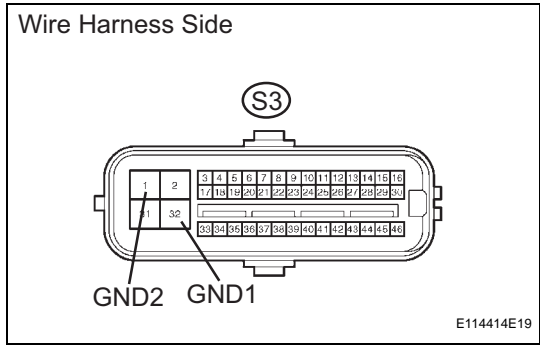
A

2INSPECT SKID CONTROL ECU CONNECTOR SECURELY CONNECTED

NOCONNECT CONNECTOR TO ECU

YES

3CHECK WIRE HARNESS (SKID CONTROL ECU - BODY GROUND)



- (a) Disconnect the S3 ECU connector.
- (b) Measure the resistance of the wire harness side connector.

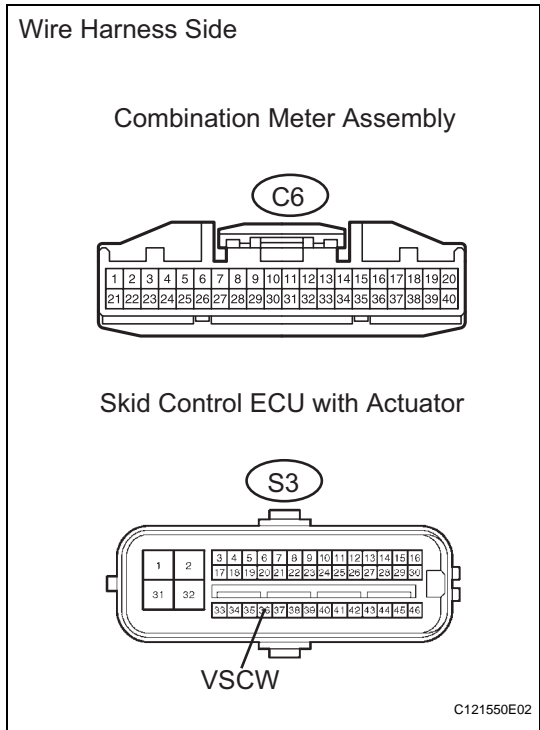
Standard resistance

Tester Connection	Specified Condition
S3-32 (GND1) - Body ground	Below 1 Ω
S3-1 (GND2) - Body ground	

NGREPAIR OR REPLACE HARNESS AND CONNECTOR

OK

4CHECK WIRE HARNESS (COMBINATION METER - SKID CONTROL ECU AND BODY GROUND)



- (a) Disconnect the C6 meter connector.
- (b) Disconnect the S3 ECU connector.
- (c) Measure the resistance of the wire harness side connectors.

Standard resistance

Tester Connection	Specified Condition
C6-10 - S3-36 (VSCW)	Below 1 Ω
C6-10 - Body ground	10 kΩ or higher

Result

Result	Proceed to
OK (when using intelligent tester)	A
OK (when not using intelligent tester)	B
NG	C

BGo to step 7

CREPAIR OR REPLACE HARNESS AND CONNECTOR

A

5 READ VALUE OF INTELLIGENT TESTER (IG1 VOLTAGE)

- (a) Check the DATA LIST for proper functioning of the IG power voltage.

Skid control ECU with actuator

Item	Measurement Item / Range (Display)	Normal Condition	Diagnostic Note
IG VOLTAGE	ECU power supply voltage / NORMAL / TOO LOW	NORMAL: 10 to 14 V TOO LOW: Below 10 V	-

OK:
NORMAL is displayed.

NG

REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

6 PERFORM ACTIVE TEST BY INTELLIGENT TESTER (VSC WARNING LIGHT)

- (a) Select the ACTIVE TEST, generate a control command, and then check that the VSC warning light illuminates.

Skid control ECU with actuator

Item	Measurement Item / Range (Display)	Diagnostic Note
VSC WARN LIGHT	Turns VSC warning light ON / OFF	Observe combination meter

OK:
VSC warning light illuminates.

HINT:

When replacing the skid control ECU with actuator, perform the zero point calibration (see page [BC-11](#)).

NG

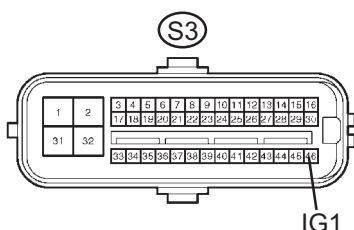
REPLACE COMBINATION METER ASSEMBLY

OK

REPLACE BRAKE ACTUATOR ASSEMBLY**7 CHECK WIRE HARNESS (SKID CONTROL ECU - BATTERY)**

BC

Wire Harness Side



E114414E25

- (a) Disconnect the S3 ECU connector.
(b) Measure the voltage of the wire harness side connector.
Standard voltage

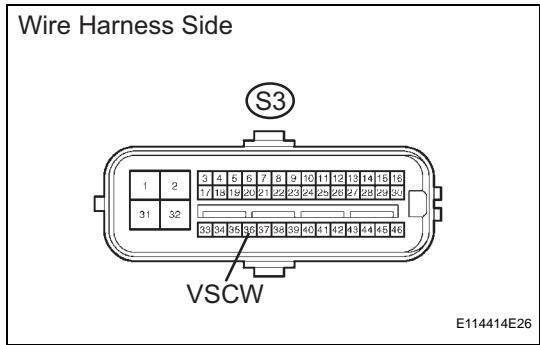
Tester Connection	Switch Condition	Specified Condition
S3-46 (IG1) - Body ground	Ignition switch ON	10 to 14 V

NG

REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

8
 CHECK VSC WARNING LIGHT



- (a) Disconnect the S3 ECU connector.
- (b) Turn the ignition switch ON.
- (c) Check that the VSC warning light turns off.

OK:
 VSC warning light turns off.

HINT:
 When replacing the skid control ECU with actuator, perform the zero point calibration (see page BC-11).

NG
 REPLACE COMBINATION METER ASSEMBLY

OK

REPLACE BRAKE ACTUATOR ASSEMBLY