

## Downhill Assist Control Indicator Light does not Come ON

### DESCRIPTION

Refer to the description of "Downhill Assist Control Indicator Light Remains ON" (see page [BC-156](#)).

### WIRING DIAGRAM

Refer to the downhill assist control indicator light circuit (see page [BC-157](#)).

### INSPECTION PROCEDURE

#### 1 CHECK CAN COMMUNICATION SYSTEM

- (a) Check if the CAN communication system DTC is output (see page [CA-34](#))

##### Result

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

A

B

REPAIR CAN COMMUNICATION SYSTEM

#### 2 READ VALUE OF INTELLIGENT TESTER (DOWNHILL ASSIST CONTROL SWITCH)

- (a) Check the DATA LIST for proper functioning of the downhill assist control switch.

##### Skid control ECU

Item (Display)	Measurement Item / Range (Display)	Normal Condition	Diagnostic Note
Downhill assist control SW	Downhill assist control switch / ON or OFF	ON: Downhill assist control switch is ON OFF: Downhill assist control switch is OFF	-

OK:

ON (downhill assist control switch is ON) appears on the screen.

NG

Go to step 5

OK

#### 3 PERFORM ACTIVE TEST BY INTELLIGENT TESTER (DAC INDICATOR LIGHT)

- (a) Select the ACTIVE TEST, generate a control command, and then check that the downhill assist control indicator light operates.

##### Skid control ECU

Item (Display)	Test Details	Diagnostic Note
Downhill assist control INDI LAMP	Turn downhill assist control indicator light ON / OFF	Observe combination meter

**OK:**

The downhill assist control indicator light turns ON and OFF.

**OK****REPLACE ABS AND TRACTION ACTUATOR ASSEMBLY****NG****4****INSPECT COMBINATION METER**

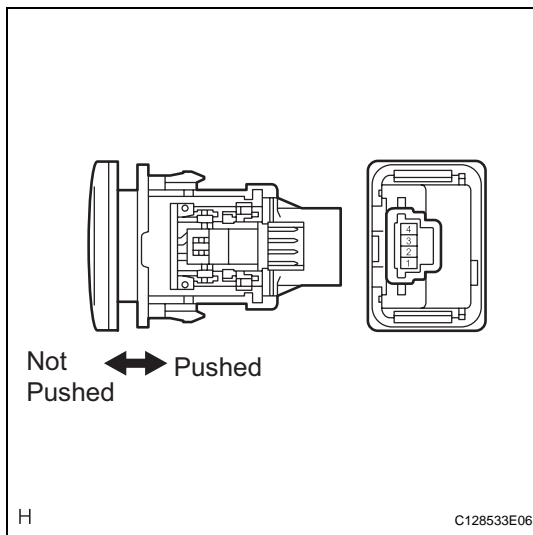
(a) Inspect the combination meter (see page [ME-15](#)).

**NG****REPLACE COMBINATION METER ASSEMBLY****OK****REPLACE ABS AND TRACTION ACTUATOR ASSEMBLY****5****INSPECT DOWNHILL ASSIST CONTROL SWITCH****BC**

- (a) Remove the downhill assist control switch.  
(b) Measure the resistance of the switch.

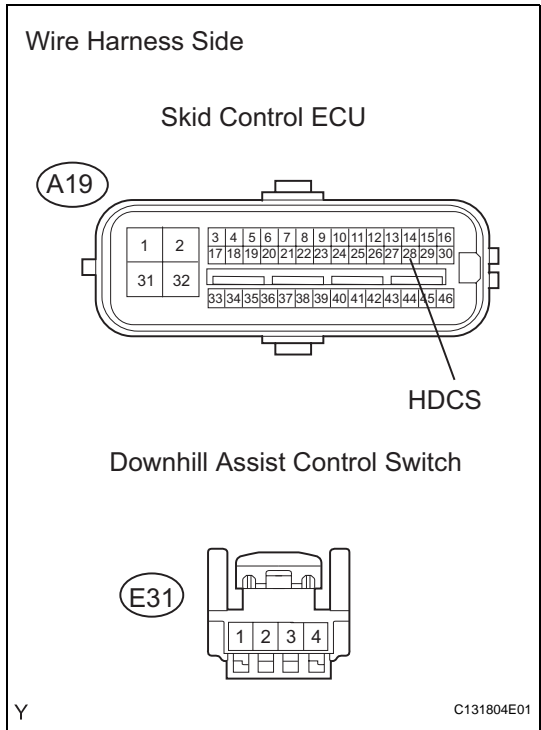
**Standard resistance**

Tester Connection	Switch Condition	Specified Condition
4 - 1	Switch is pushed	Below 1 $\Omega$
4 - 1	Switch is not pushed	10 k $\Omega$ or higher

**NG****REPLACE DOWNHILL ASSIST CONTROL SWITCH****OK**

6

CHECK WIRE HARNESS (CONTROL SWITCH - SKID CONTROL ECU AND BODY GROUND)



- (a) Disconnect the A19 ECU connector.
- (b) Disconnect the E31 switch connector.
- (c) Measure the resistance of the wire harness side connectors.

Standard resistance

Tester Connection	Specified Condition
A19-28 (HDCS) - E31-4	Below 1 Ω
E31-1 - Body ground	Below 1 Ω
A19-28 (HDCS) - Body ground	10 kΩ or higher

NG

REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

REPLACE ABS AND TRACTION ACTUATOR ASSEMBLY