

Downhill Assist Control Indicator Light Remains ON

DESCRIPTION

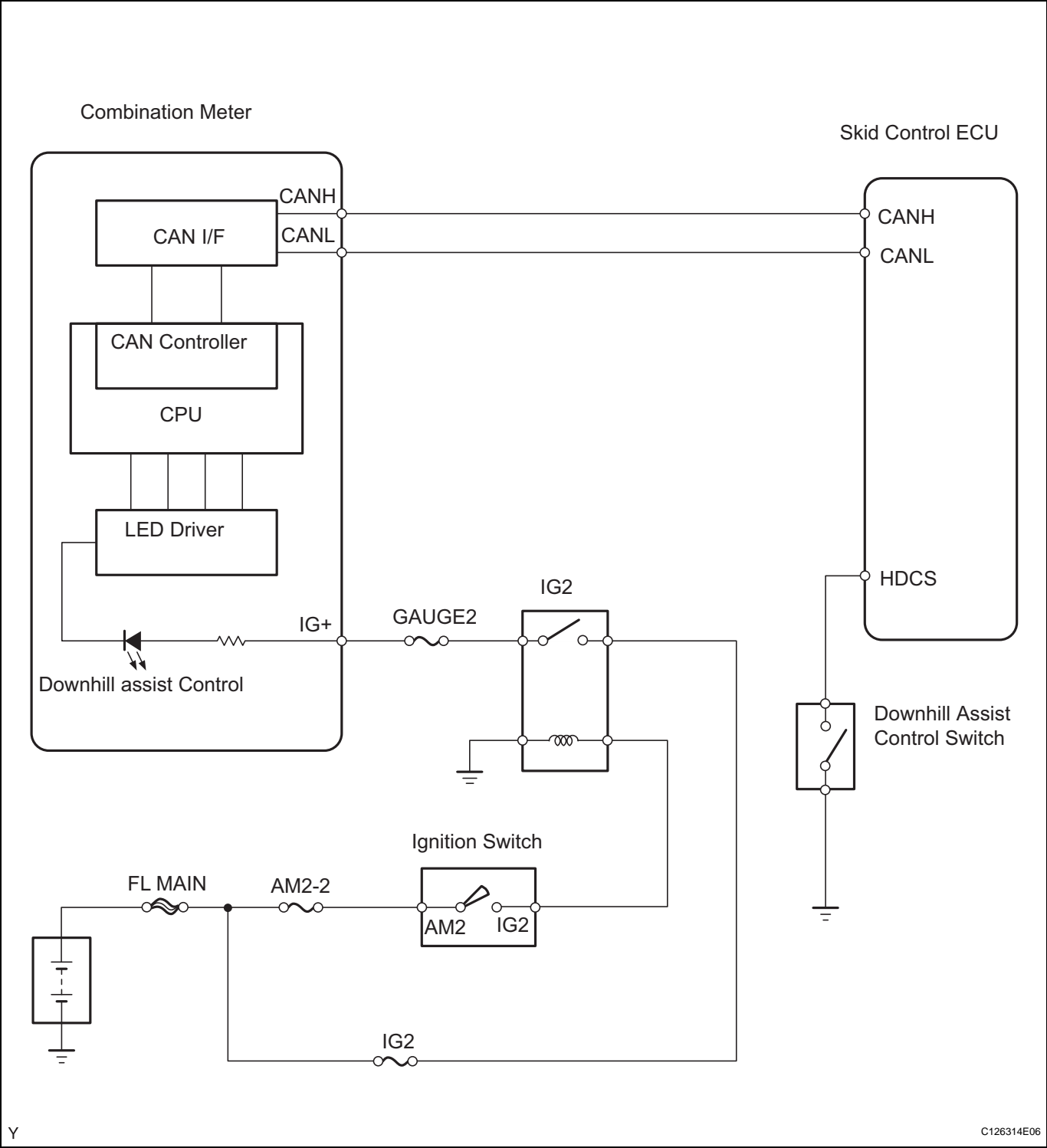
When the downhill assist control switch is pushed on, the downhill assist control function is available and the downhill assist control indicator light illuminates.

HINT:

Even if the downhill assist control switch is pressed, the downhill assist control indicator light will blink and downhill assist control will not be activated under the following conditions:

- Gear position is not L or R.
- The system is malfunctioning.
- Temperature of the hydraulic brake booster increases and downhill assist control is temporarily canceled.
- The vehicle speed is 25 km/h (15 mph) or more.

WIRING DIAGRAM



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 not output	A
DTC output	B

B**REPAIR CAN COMMUNICATION SYSTEM****A****2 CHECK SKID CONTROL ECU CONNECTOR**

- (a) Check if the skid control ECU connector is securely connected.

OK:

The connector is securely connected.

BC**NG****CONNECT CONNECTOR CORRECTLY****OK****3 CHECK WIRE HARNESS (SKID CONTROL ECU - BODY GROUND)**

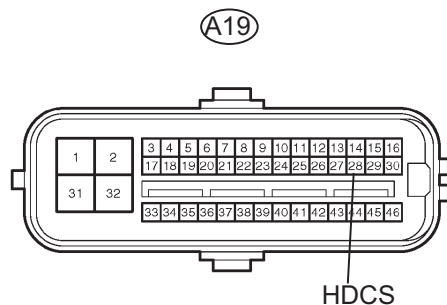
- (a) Disconnect the A19 ECU connector.
(b) Measure the resistance of the wire harness side connector.

Standard resistance

Tester Connection	Switch Condition	Specified Condition
A19-28 (HDCS) - Body ground	Downhill assist control switch is pushed	Below 1 Ω
A19-28 (HDCS) - Body ground	Downhill assist control switch is not pushed	10 k Ω or higher

OK**Go to step 6**

Wire Harness Side

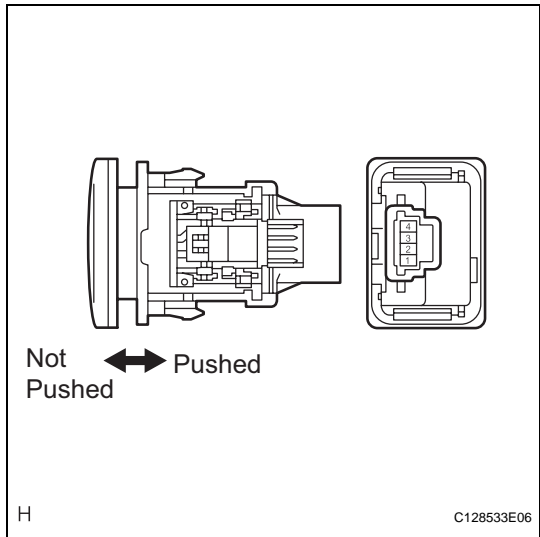


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INSPECT DOWNHILL ASSIST CONTROL SWITCH



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

Standard resistance

Tester Connection	Switch Condition	Specified Condition
1 - 4	Switch is pushed	Below 1 Ω
1 - 4	Switch is not pushed	10 kΩ or higher

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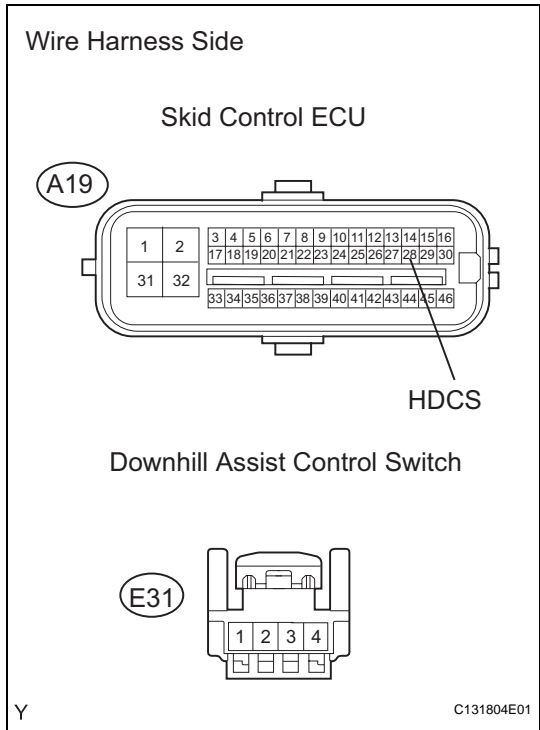
REPLACE DOWNHILL ASSIST CONTROL SWITCH

OK

BC

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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

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REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

6

CHECK COMBINATION METER

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

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REPLACE COMBINATION METER

OK

REPLACE ABS AND TRACTION ACTUATOR ASSEMBLY