

DTC	C1267/67	Brake Pedal Load Sensing Switch
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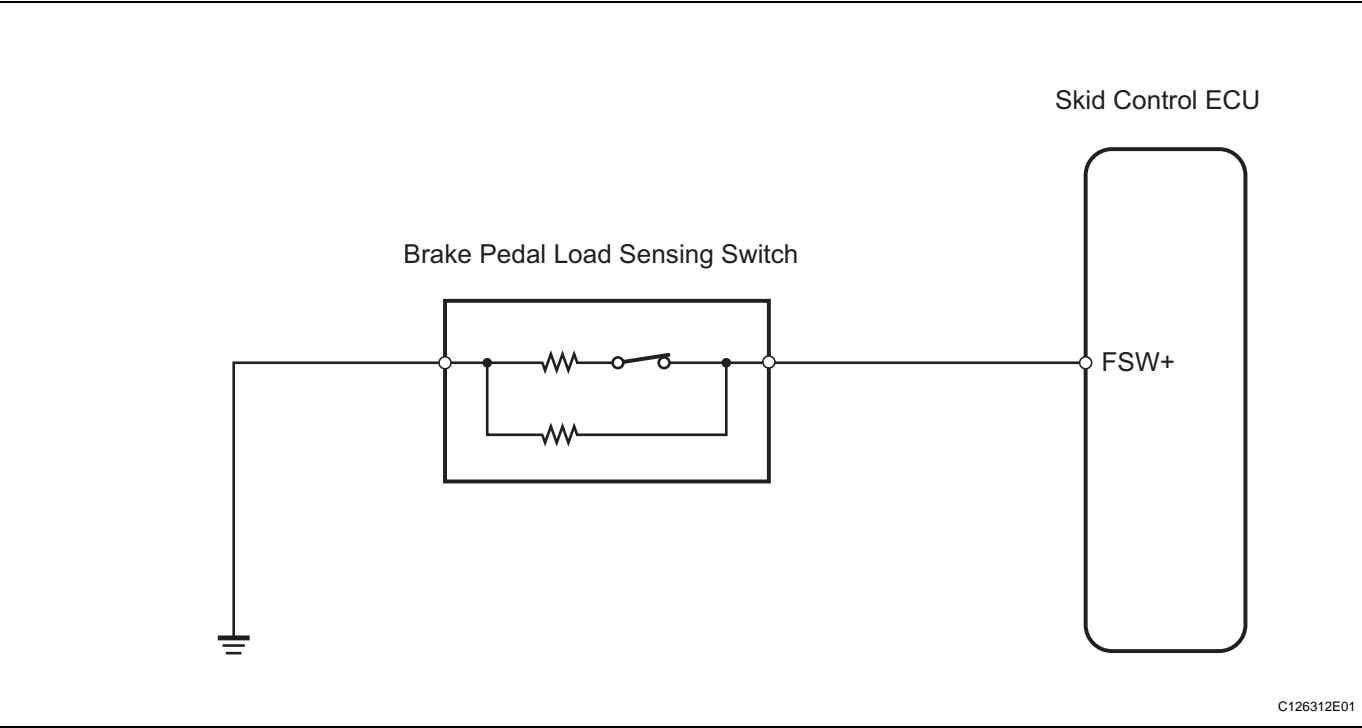
DESCRIPTION

The brake pedal load sensing switch is turned on when the brake pedal is depressed with force exceeding a predetermined level.

The skid control ECU detects if the brake pedal is depressed or not via this circuit.

DTC No.	DTC Detection Condition	Trouble Area
C1267/67	When one of following conditions is met: 1. An open or short in the brake pedal load sensing switch continues for 0.3 seconds or more. 2. Immediately after the ignition switch is turned ON, the brake pedal load sensing switch is ON and the stop light switch is OFF for 10 seconds or more. 3. While the vehicle speed change from 0 mph (0 km/h) to 18 mph (30 km/h), the condition that the brake pedal load sensing switch remains ON occurs 5 times in succession. 4. With the stop light switch ON, the brake pedal load sensing switch OFF, and the master cylinder pressure 6 Mpa or more, the deceleration is 0.4 G or more for 1 second or more. 5. With the stop light switch ON, the brake pedal load sensing switch OFF, and the master cylinder pressure 6 Mpa or more, the vehicle speed is 0 mph (0 km/h) for 5 seconds or more.	<ul style="list-style-type: none">Brake pedal load sensing switchBrake pedal load sensing switch circuit

WIRING DIAGRAM



INSPECTION PROCEDURE

NOTICE:

When replacing the brake actuator assembly, perform zero point calibration (see page BC-24).

HINT:

If DTC C1249/49 is output, repair it before repairing DTC C1267/67 based on the flowchart below.

1

READ VALUE OF INTELLIGENT TESTER (BRAKE PEDAL LOAD SENSING SWITCH)

- (a) Check the DATA LIST for proper functioning of the brake pedal load sensing switch.

Skid control ECU

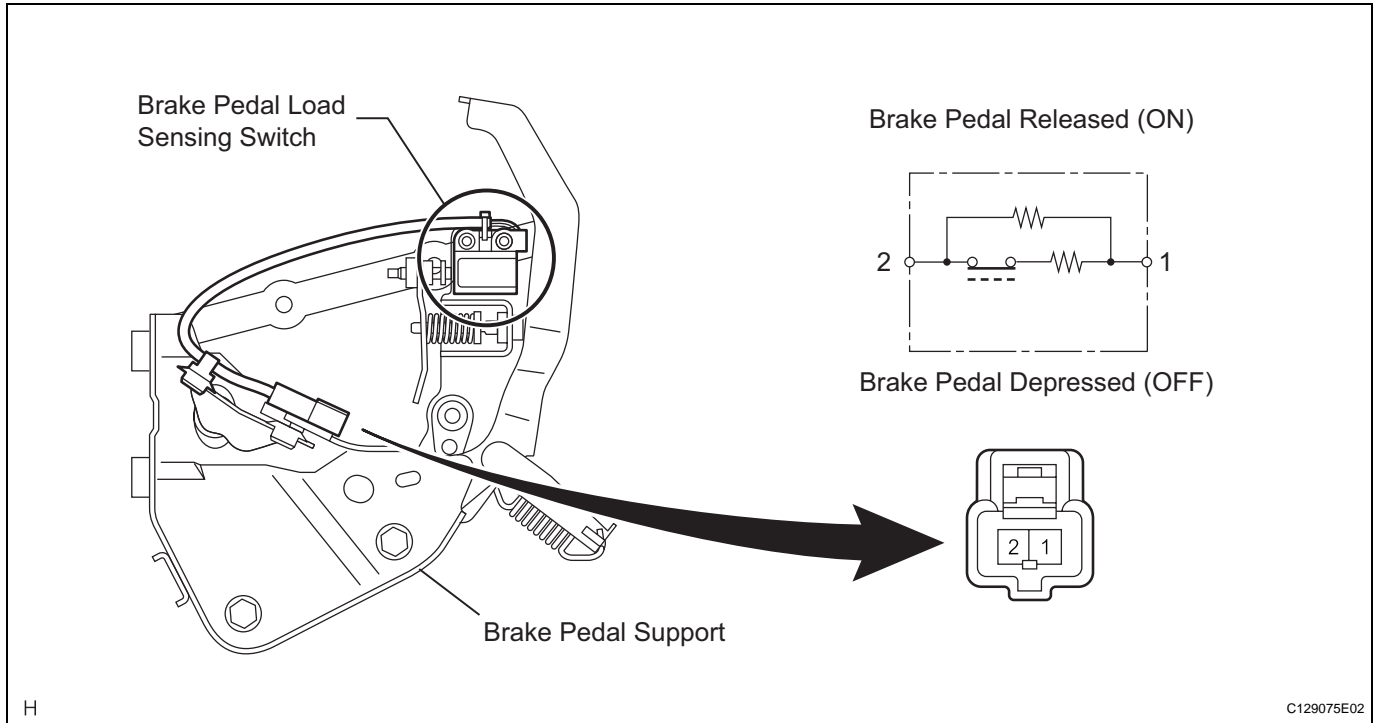
Item (Display)	Measurement Item / Range (Display)	Normal Condition	Diagnostic Note
BRAKE PEDAL SW	Brake pedal load sensing switch / ON or OFF	ON: Depressed brake pedal OFF: Released brake pedal	-

OK:

ON (brake pedal is depressed) appears on the screen.

OK
Go to step 4
NG
BC
2

INSPECT BRAKE PEDAL LOAD SENSING SWITCH



NOTICE:

- Do not remove the brake pedal load sensing switch from the brake pedal.
 - When there is a malfunction in the brake pedal load sensing switch, replace the brake pedal.
- (a) Turn the ignition switch OFF.

- (b) Disconnect the brake pedal load sensing switch connector.
- (c) Measure the resistance of the switch.

Standard resistance

Tester Connection	Condition	Specified Condition
2 - 1	Brake pedal depressed (OFF)	0.95 to 1.05 kΩ
2 - 1	Brake pedal released (ON)	202.4 to 223.7 Ω

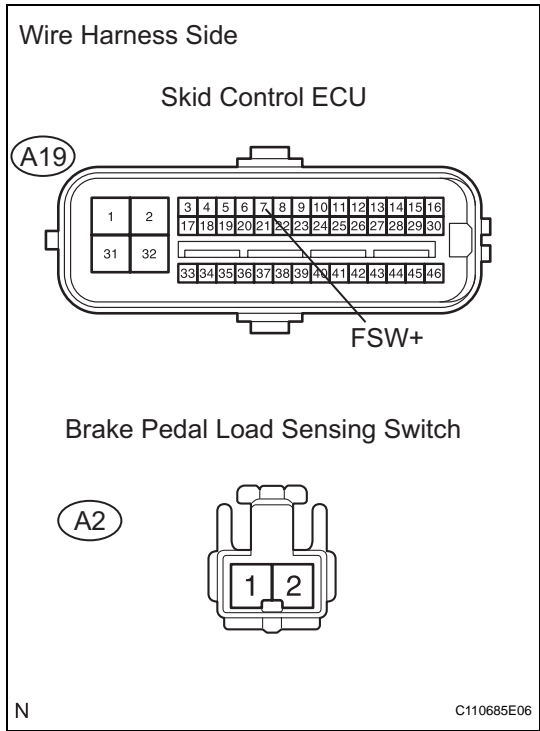
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REPLACE BRAKE PEDAL SUPPORT ASSEMBLY

OK

3

CHECK WIRE HARNESS (SKID CONTROL ECU - BRAKE PEDAL LOAD SENSING SWITCH)



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

Standard resistance

Tester Connection	Specified Condition
A19-7 (FSW+) - A2-2	Below 1 Ω
19-7 (FSW+) - Body ground	10 kΩ or higher
A2-1 - Body ground	Below 1 Ω

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REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

4

RECONFIRM DTC

- (a) Clear the DTC (see page BC-47).
- (b) Check if the same DTC is recorded (see page BC-47).

Result

Result	Proceed to
DTC (C1267/67) is not output	A
DTC (C1267/67) is output	B

B

REPLACE ABS AND TRACTION ACTUATOR ASSEMBLY

A

USE SIMULATION METHOD TO CHECK

BC