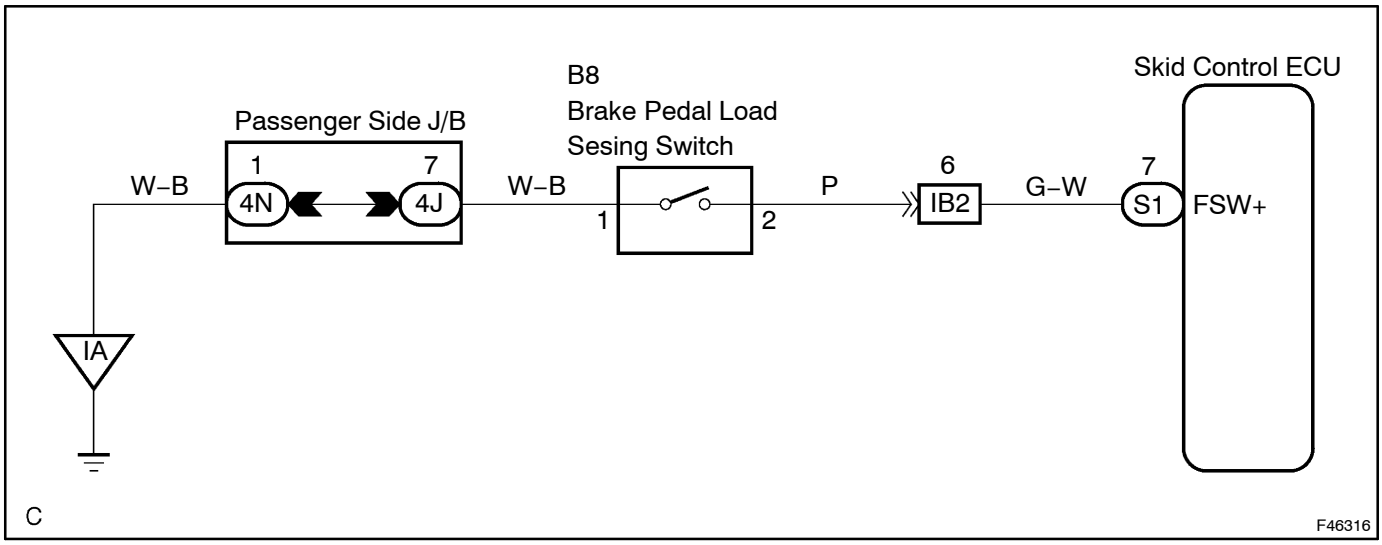
DTC C1267/67 Brake Pedal Load Sensing Switch

CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
C1267/67	• Open or short circuit in brake pedal load sensing switch continues for 0.3 secs. or more. • Immediately after IG1 is turned to the ON position, the condition that brake pedal load sensing switch is ON and stop lamp switch is off continues for 10 secs. or more. • While vehicle speed changes from 0 mph (0 km/h0 mph) to 19 mph (30 km/h19 mph), the condition that the brake pedal load sensing switch is on repeatedly occurs 5 times.	• Brake pedal load sensing switch • Brake pedal load sensing switch circuit

WIRING DIAGRAM



INSPECTION PROCEDURE

1	READ VALUE OF HAND–HELD TESTER

(a) Connect the hand–held tester to the DLC3.
(b) Start the engine.
(c) Select the DATA LIST mode on the hand–held tester.
(d) Read the value of the brake pedal load sensing switch displayed on the hand–held tester when depressing and releasing the brake pedal.

Item	Vehicle Condition / Test Details	Diagnostic Note
BRAKE WRN LIGHT	Brake load sensing switch / ON or OFF	ON : Depressed brake pedal OFF : Released brake pedal

OK:

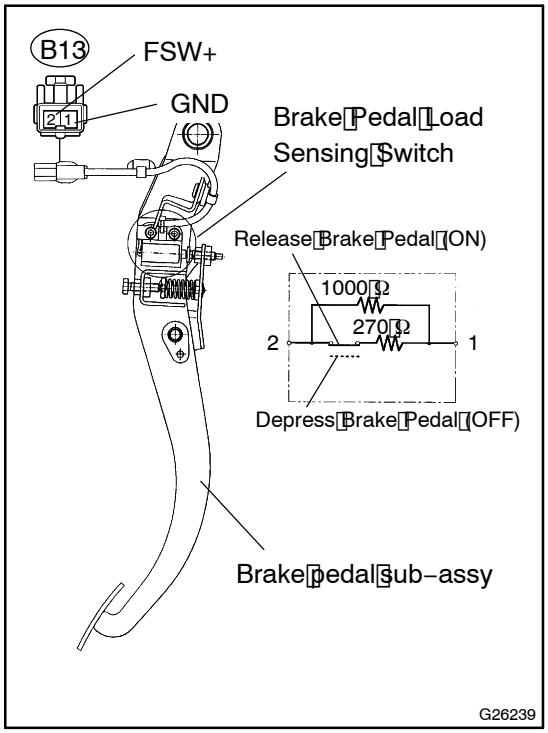
Condition	Display
Depress the brake pedal	ON
Release the brake pedal	OFF

OK → **Go to step 4**

NG

2 INSPECT BRAKE PEDAL LOAD SENSING SWITCH

NOTICE:
Do not disassemble the brake pedal sub–assy.
HINT:
Replace the brake pedal sub–assy when there is a malfunction in the brake pedal load sensing switch.



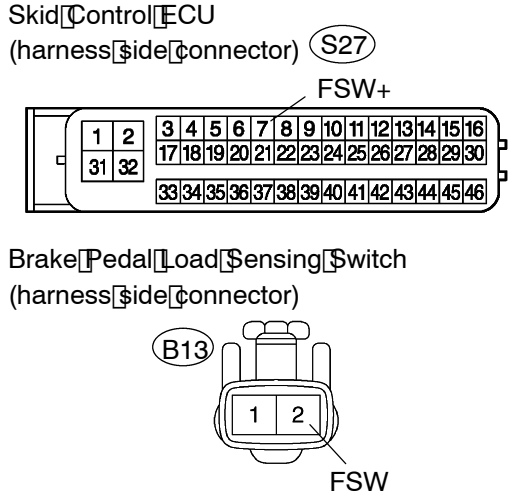
(a) Disconnect the brake pedal load sensing switch connector B13.
(b) Measure the resistance according to the value(s) in the table below.
Standard:

Tester Connection	Condition	Specified Condition
B13–2 (FSW+) – B13–1 (GND)	Depress brake pedal	Approx. 1000 Ω
	Release brake pedal	Approx. 213 Ω

NG → **REPLACE BRAKE PEDAL SUB–ASSY (SEE PAGE 32–11)**

OK

3 CHECK HARNESS AND CONNECTOR(BRAKE PEDAL LOAD SENSING SWITCH – SKID CONTROL ECU)



(a) Disconnect the skid control ECU connector S27 and the brake pedal load sensing switch connector B13.
(b) Measure the resistance according to the value(s) in the table below.
Standard:

Tester Connection	Specified Condition
S27–7 (FSW+) – B13–2 (FSW)	Below 1 Ω

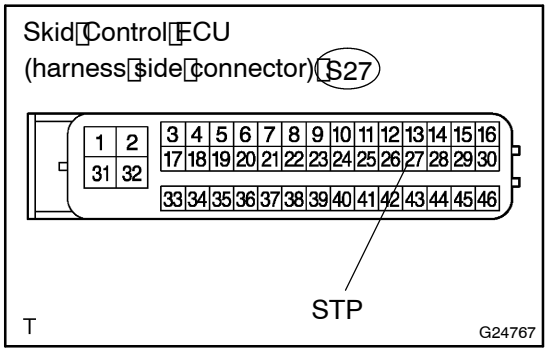
(c) Measure the resistance according to the value(s) in the table below.
Standard:

Tester Connection	Specified Condition
S27–7 (FSW+) – Body ground	10 kΩ or higher

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

4 CHECK SKID CONTROL ECU TERMINAL VOLTAGE(STP TERMINAL)



(a) Disconnect the skid control ECU connector.

(b) Measure the voltage according to the value(s) in the table below.

Standard:

Tester Connection	Switch condition	Specified Condition
S27–27 (STP) – Body ground	Brake pedal depressed	8 to 14 V
S27–27 (STP) – Body ground	Brake pedal released	Below 1 V

NG → **INSPECT STOP LAMP SWITCH CIRCUIT**

OK

REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32–43)