05HKC–01

| DTC	C1267/67	Brake Pedal Load Sensing Switch

CIRCUIT 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 Detecting Condition	Trouble Area
C1267/67	• Open or short circuit in brake pedal load sensing switch continues for 0.3 sec. 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 sec. or more. • While vehicle speed changes from 0 km/h (0 mph) to 19 mph (30 km/h), 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

I39422
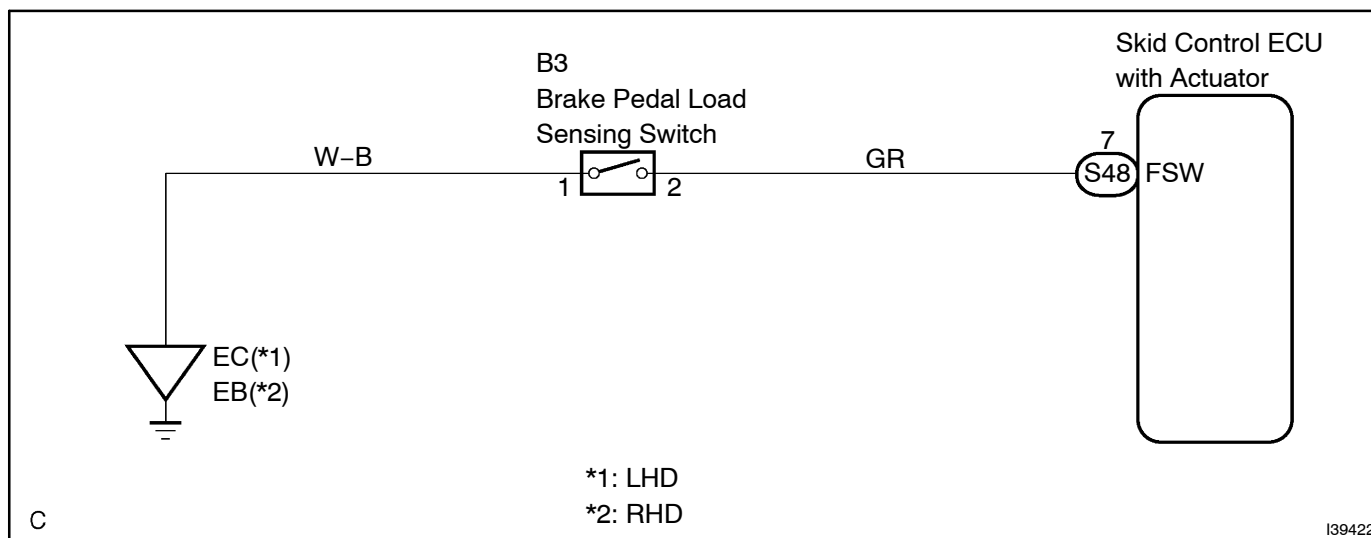
INSPECTION PROCEDURE

1	READ VALUE OF INTELLIGENT TESTER II

(a) Connect the intelligent tester II to the DLC3.

(b) Start the engine.

(c) Select the DATA LIST mode on the intelligent tester II.

Item	Measurement Item / Range (Display)	Normal Condition
Stepping Force SW	Brake load sensing switch / ON or OFF	ON : Depressed brake pedal OFF : Released brake pedal

(d) Read the value of the brake pedal load sensing switch displayed on the intelligent tester II when depressing and releasing the brake pedal.

OK:

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

NG > **Go to step 3**

OK

2	RECONFIRM DTC

(a) Clear the DTC (see page 05–400).

(b) Turn the ignition switch to the ON position.

(c) Check that the same DTC is recorded (see page 05–387).

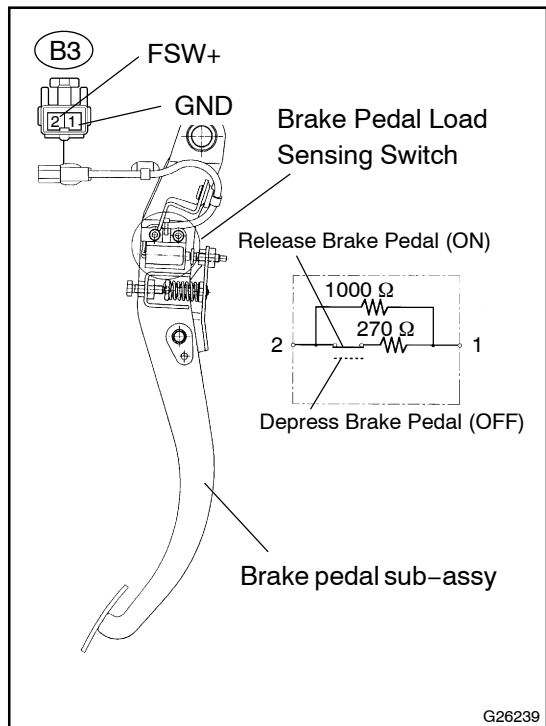**OK:**

The same DTC is recorded.

NG > **Go to step 3**

OK

REPAIR CIRCUIT INDICATED BY OUTPUT CODE

3	INSPECT BRAKE PEDAL SUB–ASSY

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

G26239

(a) Disconnect the brake pedal load sensing switch connector B3.

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

Standard:
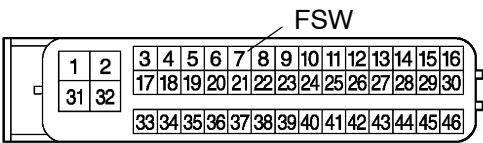
Tester Connection	Condition	Specified Condition
B3–2 (FSW+) – B3–1 (GND)	Depress brake pedal	Approx. 1000 Ω
B3–2 (FSW+) – B3–1 (GND)	Release brake pedal	Approx. 213 Ω

NG ▷ REPLACE BRAKE PEDAL SUB–ASSY

OK

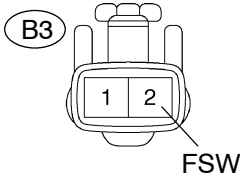| 4	CHECK HARNESS AND CONNECTOR(SKID CONTROL ECU − BRAKE PEDAL LOAD SENSING SWITCH)

Skid Control ECU
(harness side connector) (S48)

FSW

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  ┌──┬──┐┌──┬──┬──┬──┬──┬──┬──┬──┬──┬──┬──┬──┬──┬──┐
  │ 1│ 2││ 3│ 4│ 5│ 6│ 7│ 8│ 9│10│11│12│13│14│15│16│
  ├──┼──┤├──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┤
  │31│32││17│18│19│20│21│22│23│24│25│26│27│28│29│30│
  └──┴──┘└──┴──┴──┴──┴──┴──┴──┴──┴──┴──┴──┴──┴──┴──┘
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        │33│34│35│36│37│38│39│40│41│42│43│44│45│46│
        └──┴──┴──┴──┴──┴──┴──┴──┴──┴──┴──┴──┴──┴──┘
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Brake Pedal Load Sensing Switch
(harness side connector)

(B3)

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  ┌───────┐
  │  1│ 2 │
  └───────┘
```
FSW

G26242

(a) Disconnect the skid control ECU connector S48 and the brake pedal load sensing switch connector B3.

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

Standard:

Tester Connection	Specified Condition
S48−7 (FSW) − B3−2 (FSW)	Below 1 Ω

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

Standard:

Tester Connection	Specified Condition
S48−7 (FSW) − Body ground	10 kΩ or higher

NG	REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32−53)

NOTICE:

When replacing ABS & TRACTION Actuator assy, perform zero point calibration (see page 05−387).