



Technical Service BULLETIN

December 15, 2007

Title:

POWER BACK DOOR & POWER SLIDING DOOR DIFFICULT TO CLOSE

Models:

'04 – '07 Sienna

EL011-07

ELECTRICAL

Introduction Some customers may experience difficulty when using the power close feature of the power back door or power sliding doors. Replacement door touch sensors are available for this condition. Use the repair procedure below to remove and replace the door touch sensors.

Applicable Vehicles

- **2004 – 2007** model year **Sienna** vehicles produced **BEFORE** the Production Change Effective VINs shown below.

Production Change Information

MODEL	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
Sienna	2WD	5TDZ#2#C#7S054158
	4WD	5TDB#2#C#7S004952

Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
84260-08030	84260-08031	Power Back Door Sensor RH	1
84260-08040	84260-08041	Power Back Door Sensor LH	1
84260-08010	84260-08011	Power Sliding Door Sensor RH	1
84260-08020	84260-08021	Power Sliding Door Sensor LH	1

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EL7021	R & R Back Door Touch Sensors	0.4	84260-080##	9A	55
EL7022	R & R Sliding Door Touch Sensor (One Side)	0.5			
Combo A	Opposite Side	0.3			


Applicable Warranty*:

This repair is covered under the Toyota Comprehensive Warranty. This warranty is in effect for 36 months or 36,000 miles, whichever occurs first, from the vehicle's in-service date.

* Warranty application is limited to correction of a problem based upon a customer's specific complaint.

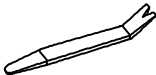



**Required
Tools &
Equipment**

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
TIS techstream* NOTE: Software version 2.20.015 or later is required. 	ADE	TSPKG1	1

NOTE:

- Additional TIS techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.
- The Toyota Diagnostic Tester and CAN Interface Module may also be used to perform the service procedures listed in this bulletin.

SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
Plastic Pry Tool Set*	00002-06000-01	1	20
NOTE: • All components from this kit/set are required. • Plastic Panel Clip Removal Tool (P/N 00002-06001-01) 			
• Plastic Emblem Removal Tool (P/N 00002-06002-01) 			

* Essential SST.

** Drawer number in SST Storage System.

NOTE:

Additional SSTs may be ordered by calling SPX/OTC at 1-800-933-8335.

**Repair
Procedure****Power Back Door:**

- Using TIS techstream, monitor the back door ECU Data List and compare to the following chart.

System Select/Back Door ECU/Data List

If a problem is found with either of the two back door sensors, replace both the left and right side sensors.

- Check the Data List for proper functioning of the power back door touch sensor.

ITEM	MANAGEMENT ITEM/ DISPLAY (RANGE)	CONDITION	DIAGNOSTIC NOTE
PBD TOUCH SEN L	Power Back Door Touch Sensor LH Signal OFF, ON, or OPEN	OFF	Normal, Door Open or Closed
		ON	Normal, Only if Pressed
		OPEN	Open, Perform Resistance Check

**Repair
Procedure**
(Continued)

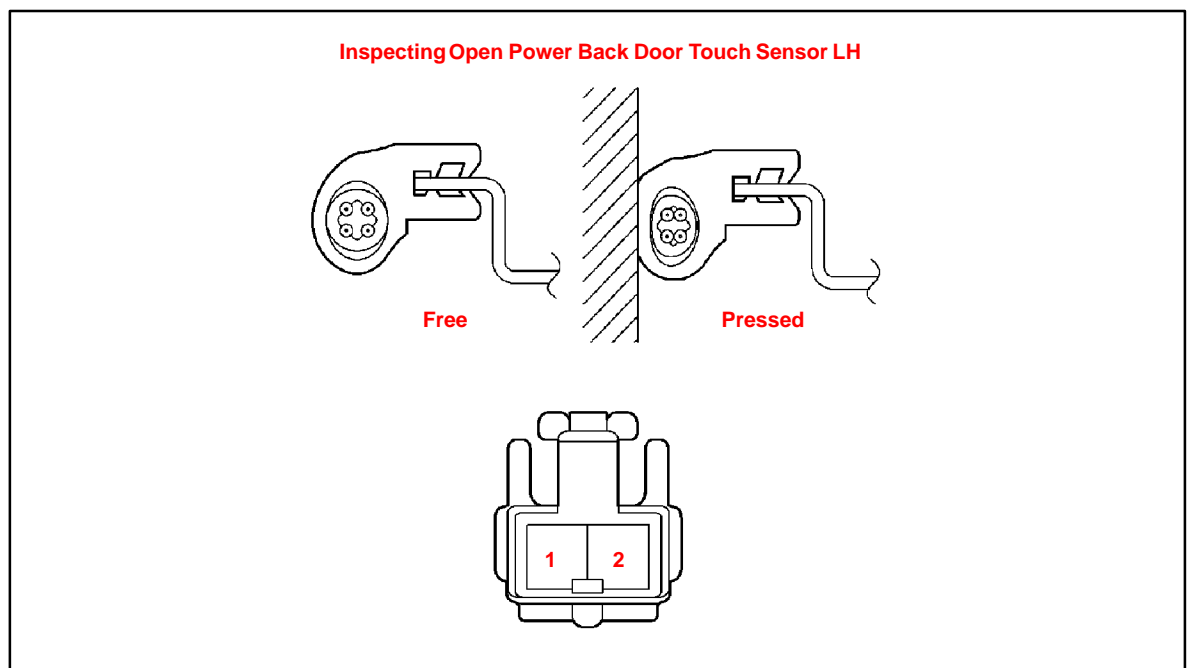
- If TIS techstream indicates the sensor is OFF with the back door closed, open the door manually and recheck sensor indication.
- If the sensor remains OFF, the sensor is normal.

3. Check the Data List for the power back door touch sensor LH.

HINT:

The procedure for the RH side is the same as the LH side.

- If both sensors are normal, refer to the Repair Manual for diagnostics.
- If TIS techstream indicates the sensor is ON with the back door open and the sensor is NOT being pressed, replace the sensor.
- If TIS techstream indicates that either of the sensors are OPEN, inspect the resistance of the back door sensor.

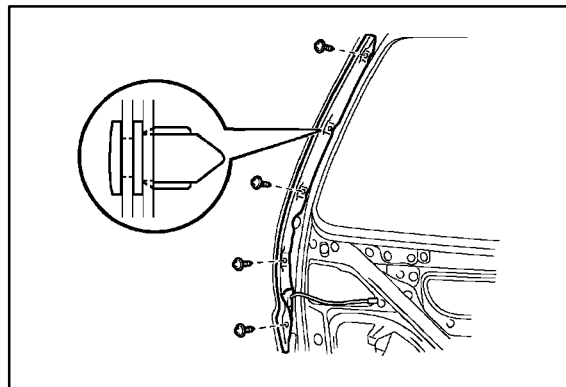


TERMINAL NUMBER	CONDITION	SPECIFIED CONDITION
1 – 2	Free	Approximately 1 kΩ
	Pressed	Less than 100 Ω

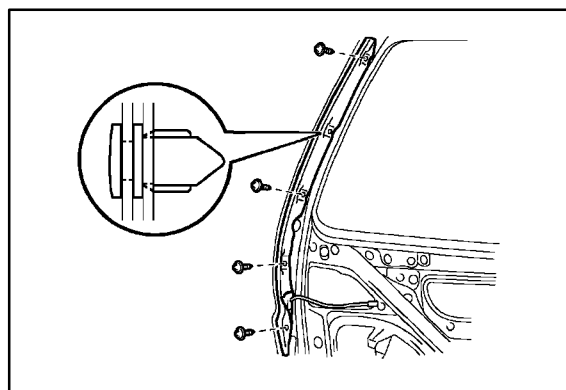
- If the resistance of both of the sensors is as specified, refer to the Repair Manual for continued diagnostics.
- If the resistance of either the right or the left touch sensor is NOT as specified, replace both the LH and RH touch sensors.

**Repair
Procedure**
(Continued)

4. Remove power back door touch sensor LH.
 - A. Remove the 4 screws.
 - B. Using a clip remover, remove the clip and touch sensor.



5. Install the NEW power back door touch sensor LH.
 - A. Install the touch sensor with the clip.
 - B. Using a Torx driver (T25), tighten the 4 screws.
6. Verify the power back door operates correctly.



NOTE:

Sensor shown on LH side is typical of RH side sensor.

Power Sliding Doors:

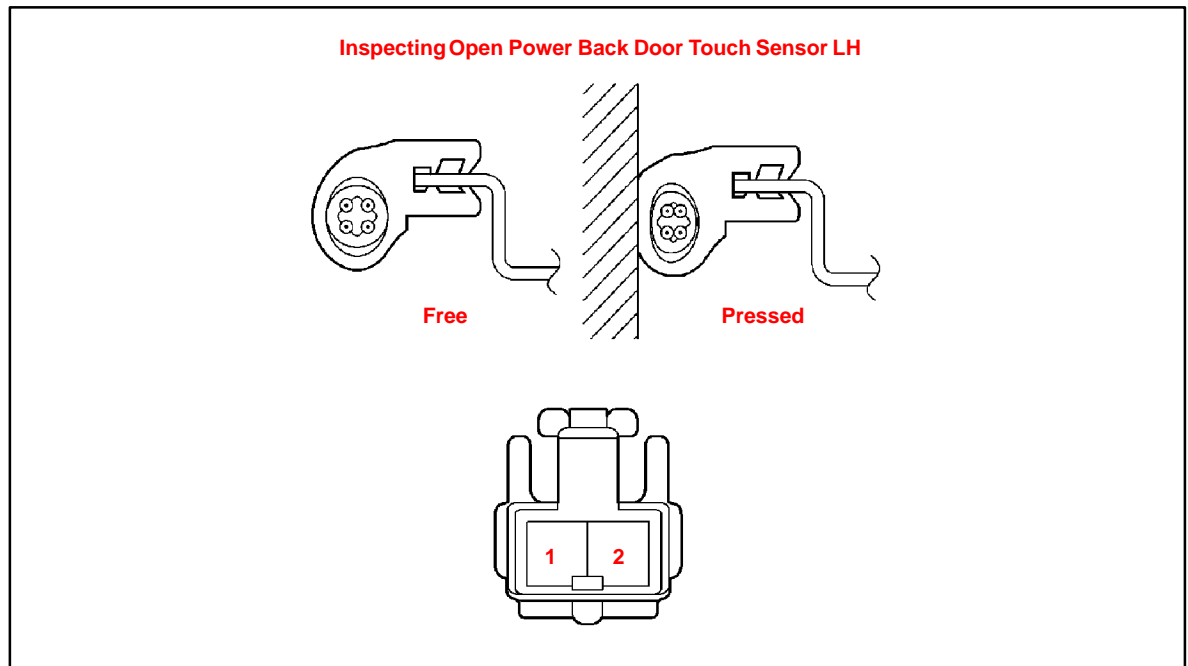
1. Using TIS techstream, monitor the left or right sliding door ECU Data List and compare the results with the following chart.
 - System Select/Left Sliding Door ECU/Data List
 - System Select/Right Sliding Door ECU/Data List

ITEM	MANAGEMENT ITEM/ DISPLAY (RANGE)	CONDITION	DIAGNOSTIC NOTE
PBD LEFT TOUCH SENSOR	Power Sliding Door Touch Sensor LH Signal OFF, ON, or OPEN	OFF	Normal, Door Open or Closed
		ON	Normal, Only if Pressed
		OPEN	Open, Perform Resistance Check

- If TIS techstream indicates the sensor is OFF with the sliding door closed, open the door manually and recheck sensor indication.
- If the sensor remains OFF, the sensor is normal.
- If TIS techstream indicates the sensor is ON with the sliding door open and the sensor is NOT being pressed, replace the sensor.

**Repair
Procedure**
(Continued)

- If the sensor is normal, refer to the Repair Manual for diagnostics.
- If the sensor is open, inspect the sensor resistance.
- Inspect the resistance of the sensor.

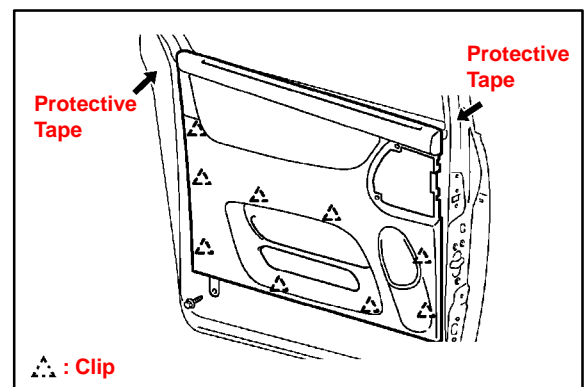


TERMINAL NUMBER	CONDITION	SPECIFIED CONDITION
1 – 2	Free	Approximately 1 kΩ
	Pressed	Less than 100 Ω

- If the resistance of the sensor is normal, refer to the Repair Manual for diagnostics.
 - If the resistance of the sensor is NOT as specified, replace the sliding door touch sensor.
2. Remove rear door trim board sub-assembly LH.
 - A. Remove the screw.
 - B. Using a plastic pry tool, disengage the 9 clips and remove the trim board.

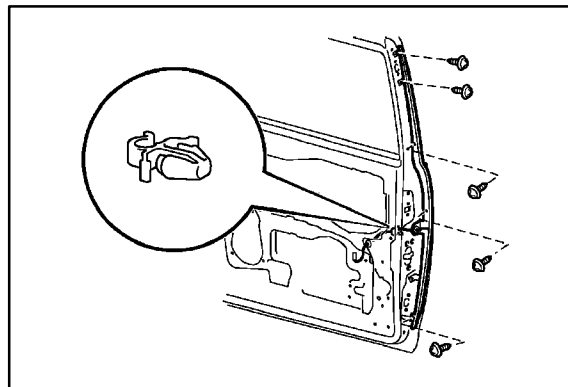
HINT:

In order to prevent the door panel from being damaged, cover the areas with protective tape as indicated by the arrow marks in the illustration.

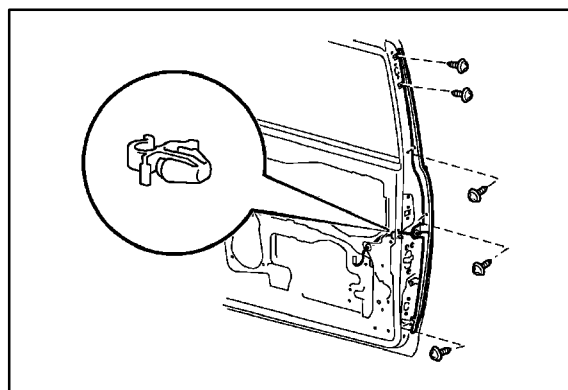


**Repair
Procedure**
(Continued)

3. Remove the power slide door touch sensor LH.
 - A. Disconnect the connector.
 - B. Remove the 5 screws and touch sensor.



4. Install the NEW power slide door touch sensor LH.
 - A. Install the touch sensor with the 4 screws.
 - B. Connect the connector.
5. Attach the wire harness inside the door panel with the clip.
6. Reinstall the rear door trim board assembly and screw.
7. Verify the sliding door or doors operate correctly.

**NOTE:**

LH door sensor shown is typical of RH door sensor.