



Technical Service BULLETIN

September 9, 2002

Title:

POWER SLIDING DOOR DIAGNOSTIC PROCEDURE

Models:

'99 – '02 Sienna

REVISED

BODY
BO010-01

TSB Revision Notice:

The information contained in this TSB supersedes BO003-00 dated January 28, 2000. The information contained in this TSB supersedes the original BO010-01. The previous TSB should be discarded.

Introduction

If the Sienna power sliding door becomes inoperative, intermittently inoperative, does not close properly, or returns to the open position while being closed using the power switch or remote control, follow the diagnostic procedure outlined in this bulletin.

Since the 2000 – 2002 model year Repair Manuals contain additional diagnostic and repair procedures (compared to the 1999 Repair Manual) it is recommended that *only* the 2000 – 2002 model year Repair Manual be consulted when making repairs to the Power Sliding Door Assembly(s).

Additionally, if the powered operation of the door becomes inoperative, the door may be manually operated *only* if the main power switch (located on the left side of the steering column) is switched “OFF.” **THE POWER DRIVE ASSEMBLY MAY BE DAMAGED INTERNALLY** if manual door operation is attempted when the main power switch is in the “ON” position.

NOTE:

For additional diagnostic information, please refer to Technical Service Bulletin BO012-01 (dated April 6, 2001) and TSB BO028-01 (dated November 30, 2001).

Applicable Vehicles

- 1999 – 2002 model year Sienna vehicles with Power Sliding Door(s).

Production Change Information

| MODEL/PLANT | STARTING VIN |
|-------------|-------------------|
| Sienna | 4T3ZF13C*2U495603 |

Parts Information

| PREVIOUS PART NUMBER | CURRENT PART NUMBER | PART NAME |
|----------------------|---------------------|------------------------------------|
| 85972-08010 | Same | Power Sliding Door ECU, Right Side |
| 85972-08020 | Same | Power Sliding Door ECU, Left Side |

Warranty Information

| OP CODE | DESCRIPTION | TIME | OFF | T1 | T2 |
|---------|--|------|-------------|----|----|
| BD1002 | R & R Power Sliding Door ECU, Right Side | 1.0 | 85972-08010 | 95 | 71 |
| BD9013 | Adjust Power Drive Cables | 0.5 | 85620-08010 | 40 | 14 |
| BD9014 | Re-initialize Power Sliding Door | 0.3 | 85620-08010 | 87 | 99 |
| BD1047 | R & R PSD ECU, Left Side | 1.0 | 85972-08020 | 95 | 71 |

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.



Repair
Procedure

1. Confirm proper tension of the power drive cables. Adjustment may be necessary only if the cables appear visibly loose or hanging down. If OK, go to step 2.

Refer to Technical Service Bulletin BO005–00, “Power Sliding Door Cable Adjustment Procedure.”

2. Confirm that the system has been initialized properly.

NOTE:

If the 12V battery goes dead or is disconnected or power to the sliding door system is cut, the power sliding door control system must be re-initialized. The re-initialization process must be done carefully and completely or the power portion of the door may not operate properly.

RE-INITIALIZATION PROCESS (FOR VEHICLES WITH ONE SLIDING DOOR)**NOTE:**

For Dual Sliding Doors: Refer to TSB BO035–00, “Dual Power Sliding Door Re-Initializing.”

- A. The Main Power Switch (located on the left side of the steering column) **MUST** be in the the “OFF” position (red line not showing on the switch button).
- B. Place the transmission selector in “Park”.
- C. Make sure the right side sliding door is fully closed (manual operation).
- D. Disconnect the 12V negative battery terminal and **wait for more than one (1) minute**, then reconnect the negative battery terminal.
- E. Turn the ignition switch to the “ON” position.
- F. Push the MAIN power switch “ON” (red line on the switch will be showing) and **wait for 10 seconds**.
- G. Open the sliding door by pushing either the power sliding door control button (located on the right side of the dash by the radio or on the “B” pillar) or the remote switch on the key ring and allow the door to open all the way.
Wait three (3) seconds after the motor stops running before proceeding.
- H. Close the sliding door by pushing either the power sliding door control button (located on the right side of the dash by the radio or on the “B” pillar) or the remote control button and let the door close all the way.
Wait three (3) seconds after the motor stops running before proceeding
- I. Repeat steps G and H.

NOTE:

- Steps G and H, described above, **MUST** be repeated.
- Battery voltage must not fall below 11.5 volts.

**Repair
Procedure**
(Continued)

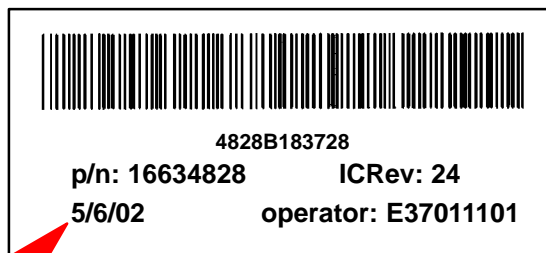
- J. Confirm proper operation of the power sliding door system by pressing the buttons on the transmitter, B–Pillar and instrument panel. If the system will not function properly, then perform step 3.

3. Replace the Power Sliding Door Control ECU.

- A. If the power sliding door fails to function properly after performing steps 1 and 2 above, replace the Power Sliding Door Control **ECU**. The ECU is located behind the power drive assembly (refer to the BE section of the appropriate model year Sienna Repair Manual for the ECU location information).

NOTE:

Check the date on the ECU bar code label of the new service part. If the date is **BEFORE 5/06/02**, the ECU should be replaced with an updated part.

ECU Bar Code Label

- B. After replacing the ECU, re–initialize the system by following step 2 above.
- C. Confirm proper operation of the power drive assembly.