Back Door Power Window Inoperative

Service Category Vehicle Exterior

Section Window/Glass **Market** USA

Toyota Supports ASE Certification

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2001 – 2007	Sequoia	

NOTE

This TSB applies to all 2001 – 2007 model year Sequoia vehicles. All vehicles exhibiting this condition will receive a new power back door window motor. Only 2005 – 2007 model year vehicles with original back door ECUs will have replacement ECUs. If vehicle has the back door stop intact, then remove it per the instructions in this TSB.

TSB SUPERSESSION NOTICE

The information contained in this TSB supersedes TSB No. EL007-06.

- **2007 model year Sequoia vehicles have been added to the TSB.**
- **Applicability has been redefined and separated into 2 groups of vehicles: 2001 – 2004 model year, and 2005 – 2007 model year.**
- **Production Change Information has been removed.**
- **A TSB Overview section has been added.**

TSB No. EL007-06 is Obsolete and any printed versions should be discarded. Be sure to review the entire content of this service bulletin before proceeding.

Introduction

Some 2001 – 2007 model year Sequoia vehicles may experience a condition where the back door power window of the vehicle is inoperative/stuck in the closed position. The following procedure has been developed to address this condition.

Back Door Power Window Inoperative

Warranty Information

OP CODE	DESCRIPTION	MODEL YEAR	TIME	OFP	T1	T2
EL5075	Remove Metal Stopper	2001 – 2004	0.9	85710-0C030	72	83
	R & R Back Door Power Window Motor					
	Remove Metal Stopper	2005 – 2007 ONLY	0.9	85710-0C070		
	R & R Back Door Power Window Motor					
Combo A	R & R Back Door ECU		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 occurrence of the specified condition described in this bulletin.**

Parts Information

MODEL YEAR	PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
2001 – 2004	85710-0C030	85710-0C130	Motor Assembly	1
2005 – 2007	85710-0C070	85710-0C120		1
	89222-0C020 89222-0C021	89222-0C050	ECU	1
	90269-05035	Same	Rivet	1 or 2

NOTE

- **Back Door ECU replacement ONLY applies to 2005 – 2007 Sequoia vehicles.**
- **Check vehicle's repair history BEFORE replacing the back door ECU. If vehicle has a replacement back door ECU with the current part number shown above, then do NOT replace the back door ECU.**

Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST'S)	PART NUMBER	QTY
Plastic Pry Tool Set*	00002-06000-01	1

* Essential SST.

NOTE

Additional SSTs may be ordered by calling 1-800-933-8335.

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TSB Overview

This TSB applies to 2001 – 2007 model year Sequoia vehicles. All vehicles exhibiting the condition will receive a new back door power window motor. 2005 – 2007 model year vehicles will receive a new back door power window motor AND a back door ECU as per the Parts Information section. In addition, on ALL model year vehicles, the back door stopper must be removed (refer to step 14 in the Repair Procedure).

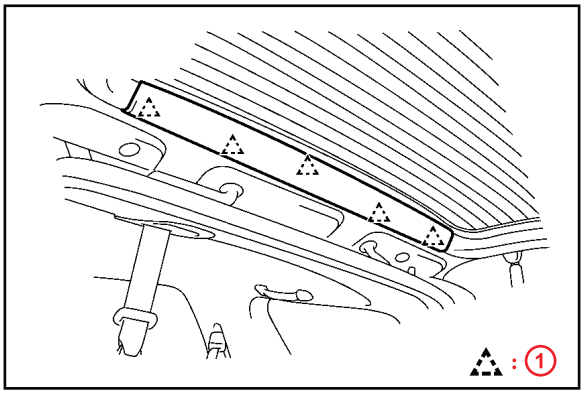
Repair Procedure

1. Disconnect the negative (–) terminal of the vehicle battery.

> **NOTE**
>
> **Any time the negative (–) battery terminal has been disconnected, systems requiring initialization will need to be re-initialized after the negative (–) battery terminal has been reconnected.**

2. Open the back door and leave open.
3. Using the plastic pry tool, remove the back door garnish center.

Figure 1.



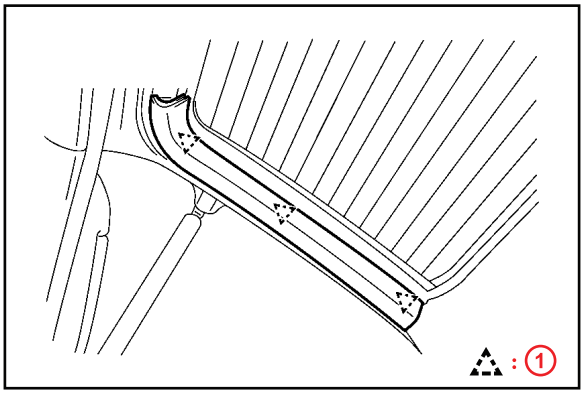
1	Clips (5)

Back Door Power Window Inoperative

Repair Procedure (Continued)

4. Using the plastic pry tool, remove the left and right back door side garnish panels.

Figure 2.



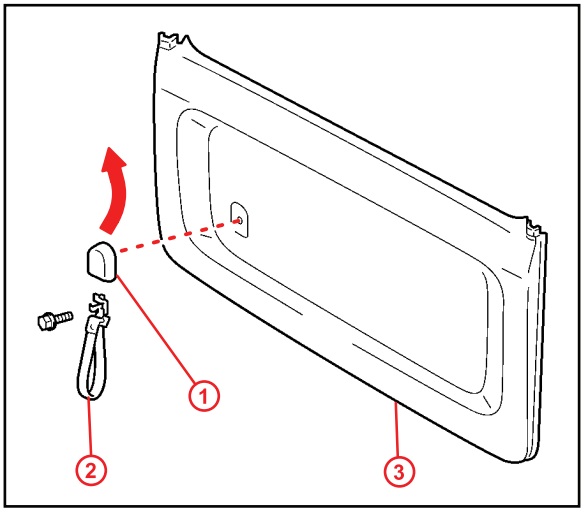
1	Clips (3)

5. Remove the strap cover, bolt, and pull strap.

NOTE

To remove the strap cover, push it toward the back door window as shown in the illustration.

Figure 3.



1	Strap Cover
2	Back Door Pull Strap
3	Back Door Trim Board

Back Door Power Window Inoperative

Repair Procedure (Continued)

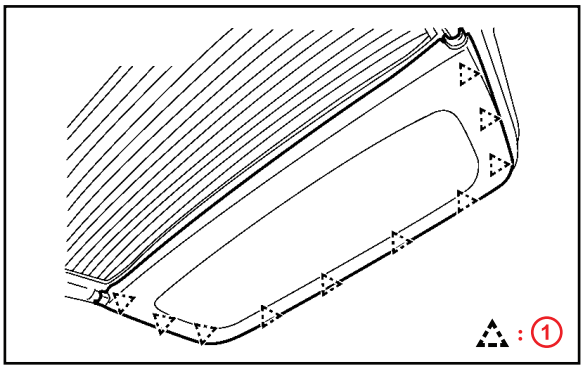
6. Remove the back door trim board.

   A. Insert the plastic pry tool between the back door trim board to release the clips retaining the back door trim.

   NOTICE
   Be careful NOT to damage the back door and back door trim board.

   B. Release each clip as shown in the illustration.

Figure 4.



1	Clips (10)

7. Disconnect both connectors to the back door ECU and both clips holding the wire harness to the large service cover.
8. Remove both back door service hole covers.
   - **For 2001 – 2004** model year Sequoia vehicles — go to step 11.
   - **For 2005 – 2007** model year Sequoia vehicles — continue to step 9.
9. **For 2005 – 2007 model year Sequoia vehicles ONLY:**

   Remove the multiplex network door ECU. Using a drill 3.2 mm (0.126 in.) or shorter, drill out the two (2) rivet heads.

   HINT
   Placing the drill vertically over the rivets may provide the best results during rivet removal.

   CAUTION
   Be careful when handling the rivets as they may be HOT.

10. **For 2005 – 2007 model year Sequoia vehicles ONLY:**

    Install the replacement multiplex network door ECU and rivets.

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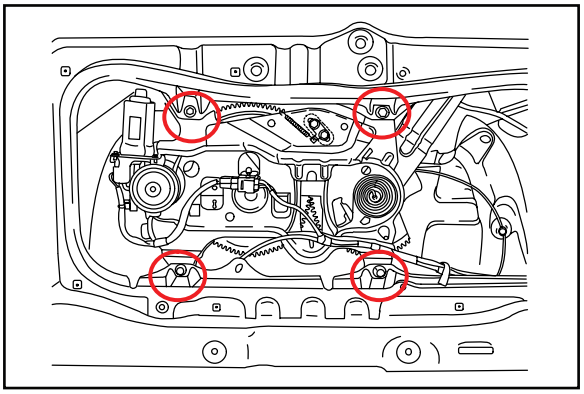
Repair Procedure (Continued)

11. Remove the back door power window regulator.

A. Remove the four (4) nuts to the power window regulator and slide the regulator and glass down until the four (4) bolts appear in the service holes.

Torque: 8.0 N*m (82 kgf*cm, 71 in*lbf)

Figure 5.



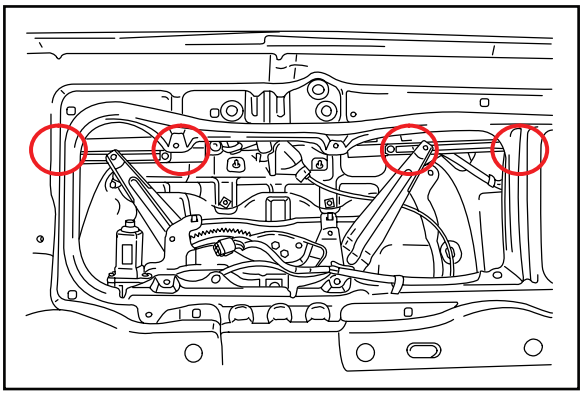
B. Remove the four (4) bolts attaching the regulator to the back door glass.

Torque: 8.0 N*m (82 kgf*cm, 71 in*lbf)

NOTICE

Be careful NOT to drop the back door glass or close the back door without supporting the glass.

Figure 6.



Back Door Power Window Inoperative

Repair Procedure (Continued)

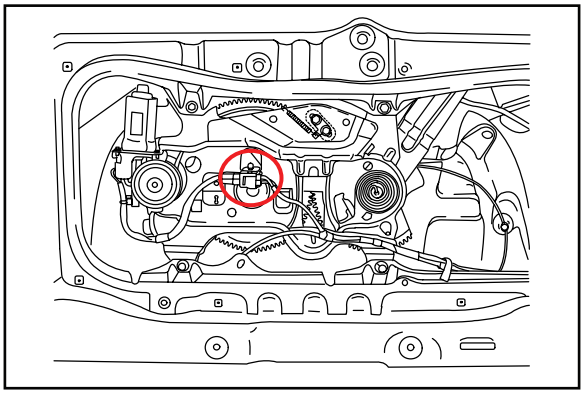
12. Remove the back door power window regulator assembly.

    A. Disconnect the power window motor connector.

    B. Disconnect both wire harness clips from the regulator.

    C. Remove the power window regulator through the service hole.

Figure 7.

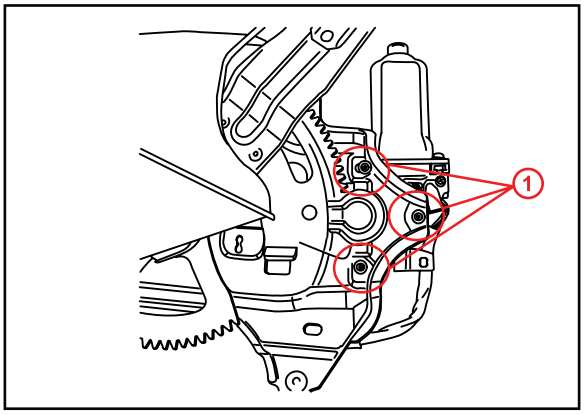


13. Remove and replace the back door power window motor on the back door power window regulator assembly.

    Remove the three (3) screws and power window regulator motor from the power window regulator.

> **NOTE**
>
> **At the time of reassembly, do NOT apply grease to the power window regulator spring.**

Figure 8.



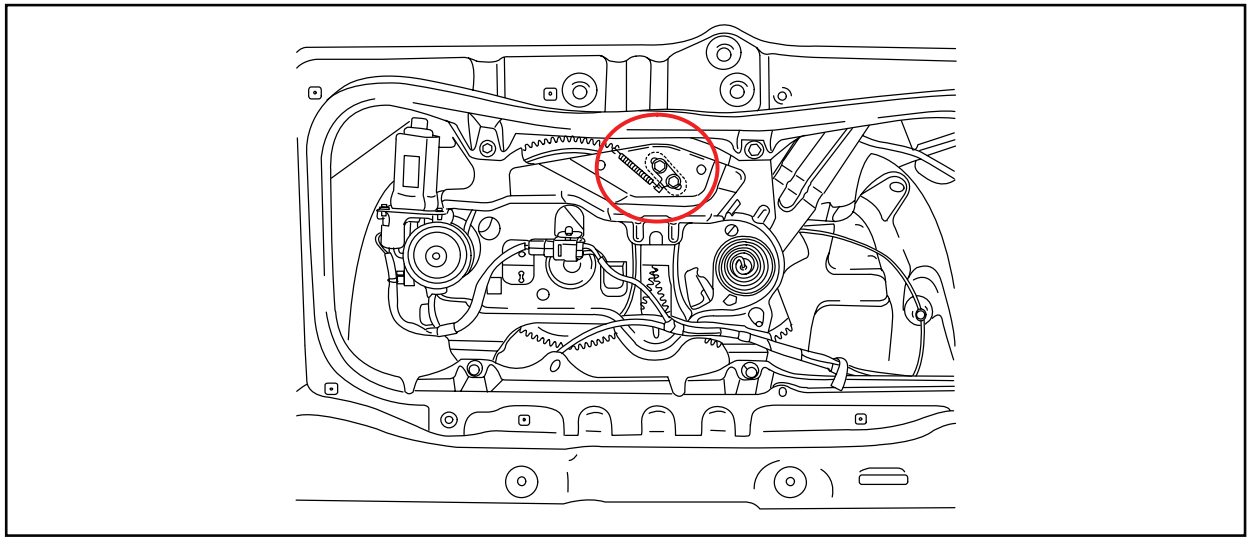
1	Screws

Back Door Power Window Inoperative

Repair Procedure (Continued)

14. Locate, remove, and discard the metal stopper.

Figure 9.

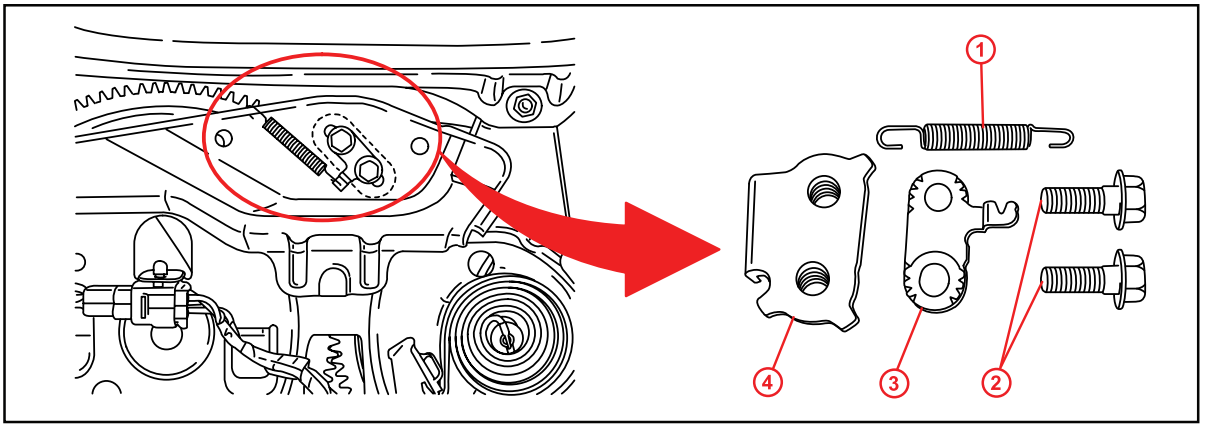


A. Remove and discard the spring between the stopper and the regulator frame.

B. Remove the two (2) bolts that hold the stopper in place on the regulator.

There is a backing plate on the backside that the two (2) bolts fasten to. The backing plate will be loose when the two (2) bolts are removed. Be sure to remove the backing plate and discard it from the vehicle.

Figure 10.



1	Spring
2	Bolts

3	Spring Hook
4	Backing Plate

Back Door Power Window Inoperative

Repair Procedure (Continued)

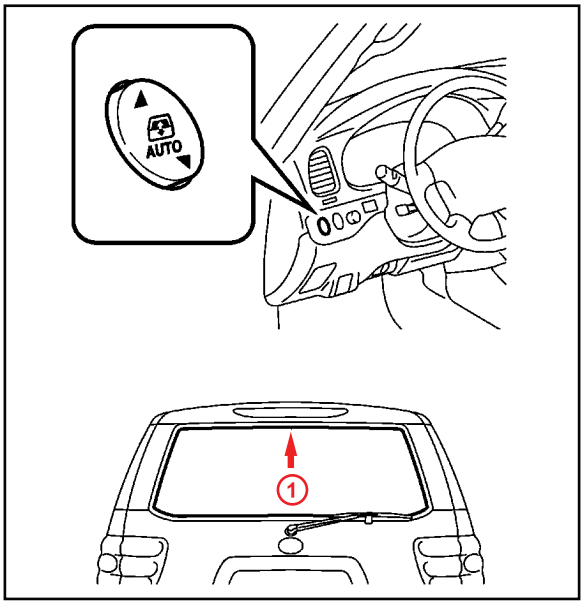
15. Install the back door power window motor.
    Torque: 5.5 N*m (56 kgf*cm, 49 in*lbf)

> **NOTICE**
> **The NEW motor will NOT be pre-threaded so it will take more effort to secure the three (3) fasteners into the motor. Be careful NOT to strip the threads out of the motor by over-torquing the fasteners.**

16. Install the back door power window regulator assembly and back door components in reverse order of removal.
17. Reconnect the negative (–) battery terminal.
18. Perform back door power window initialization and confirm window operation.
    A. Turn the ignition switch to the “ON” position.
    B. Push the back door power window switch to the “DOWN” side to open the window.
    C. Push and hold the back door power window switch to the “UP” side until the window closes. Continue holding it for approximately one second.
    D. Check for proper operation of the “one-touch open/close” functions by pushing the switch briefly to the “DOWN” and “UP” sides.

> **NOTE**
> **Jam protection function becomes effective through the above initialization procedure.**

Figure 11.



1	Completely Closed

19. Initialize and confirm operation of all other power systems requiring initialization. Refer to appropriate TSB for initialization procedures.