

2nd Row Tip-Up Style Seat Lower Cushion Excessive Movement

Service Category Vehicle Interior

Section Seat

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2011 – 2014	Sienna	

REVISION NOTICE

January 10, 2014 Rev1:

- Applicability has been updated to include 2014 model year vehicles.
- Introduction, Warranty Information, Parts Information, and Repair Procedure sections have been updated.

Any previous printed versions of this bulletin should be discarded.

Introduction

Some Sienna vehicles may exhibit a condition where the passenger or driver side 2nd row seat with the tip-up style lower seat cushion has excessive up and down movement. While some seat movement is a normal characteristic of the design, this bulletin will help identify excessive movement and provide steps to address this condition.

Production Change Information

This bulletin applies to vehicles produced **BEFORE** the Production Change Effective VINs shown below.

MODEL	ENGINE	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
Sienna	2GR-FE	2WD	5TDKK3DC#ES417564
			5TDZK3DC#ES417564
			5TDYK3DC#ES417564
			5TDXK3DC#ES417564
		4WD	5TDDK3DC#ES073171
			5TDJK3DC#ES073171

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Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
BD1223	3 mm Shim Installation (Only)	0.5	79101-08010 79102-08010	62	40
BD1222	R & R No. 1 Seat Cushion Frame Sub-assembly (Only)	2.8			
BD1224	R & R No. 1 Seat Cushion Frame Sub-assembly and Install 3 mm Shim	3.3			

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

Repair Procedure 1

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
90201-A0004	Same	Shim – 3 mm	2
90080-16099	78899-08400	Screw*	2
71396-28030-B0	71396-08010	Seat Support Cushion*	2

* Vehicles built BEFORE 12/2011 Production Date.

Repair Procedure 2

PART NUMBER	PART NAME	QTY
79101-08010	Frame Sub-Assy, No. 1 Seat Cushion, RH	1
79102-08010	Frame Sub-Assy, No. 1 Seat Cushion, LH	1

NOTE

Follow the Inspection Procedure in this bulletin to identify which Repair Procedure and parts will be required.

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Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Plastic Pry Tool Kit*	00002-06020-01	1

* Essential SST.

NOTE

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

Inspection Procedure

1. Confirm amount of lower seat cushion movement.
 - A. Latch the lower seat cushion into place.
 - B. Apply downwards pressure at the center of the lower seat cushion to verify the amount of movement present in the seat cushion frame assembly.
2. While applying pressure, measure the amount of movement in the lower cushion assembly.
 - A. Apply tape to the front edge of the cushion.
 - B. Draw a reference line on the tape.
 - C. Using a metric ruler, measure vertical movement of the lower cushion.

Figure 1. Example of Seat Measurement



Refer to the video link below for an example of the Seat Measurement:

[Seat Measurement](#)

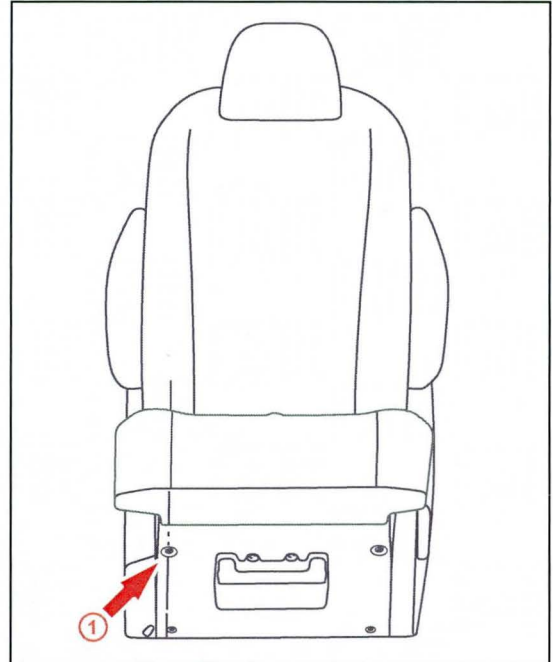
MEASUREMENT	INSPECTION RESULT	REPAIR	OP CODE
0 – 3 mm	Normal characteristic (within specification)	None	None
4 – 12 mm	Excessive movement	Repair Procedure 1	BD1223
13+ mm	Seat latch mechanism damaged (replacement required)	Repair Procedure 2	See table in Repair Procedure 2, step 2

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Repair Procedure 1: Shim Installation

1. Tip up lower cushion to gain access to the seat support cushions.

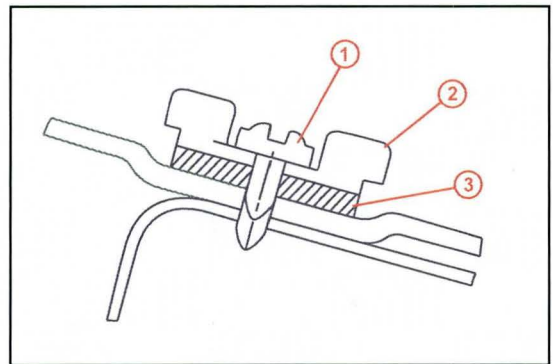
Figure 2.



1	Seat Support Cushion
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2. Remove the seat support cushions and screws.
3. Install the 3 mm shim to the bottom of the seat support cushions and reinstall the seat support cushions and screws.

Figure 3.



1	Screw
2	Seat Support Cushion
3	Shim

NOTE

For vehicles built before 12/2011, a new seat support cushion and screw are required to properly install the 3 mm shim.

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Repair Procedure 1: Shim Installation (Continued)

4. Measure the seat movement per the Inspection Procedure.
5. Confirm proper seat operation.

Repair Procedure 2: Seat Frame Replacement

1. Replace the No. 1 Seat Cushion Frame Sub-assembly.

Refer to the Technical Information System (TIS), applicable model and model year Repair Manual:

Captain Seat Type:

- 2011 Sienna:
*Vehicle Interior – Seat – “Seat: Rear No. 1 Seat Assembly (for Captain Seat Type):
[Removal](#) / [Disassembly](#) / [Reassembly](#) / [Installation](#)”*
- 2012 Sienna:
*Vehicle Interior – Seat – “Seat: Rear No. 1 Seat Assembly (for Captain Seat Type):
[Removal](#) / [Disassembly](#) / [Reassembly](#) / [Installation](#)”*
- 2013 Sienna:
*Vehicle Interior – Seat – “Seat: Rear No. 1 Seat Assembly (for Captain Seat Type):
[Removal](#) / [Disassembly](#) / [Reassembly](#) / [Installation](#)”*
- 2014 Sienna:
*Vehicle Interior – Seat – “Seat: Rear No. 1 Seat Assembly (for Captain Seat Type):
[Removal](#) / [Disassembly](#) / [Reassembly](#) / [Installation](#)”*

Bench Seat Type:

- 2011 Sienna:
*Vehicle Interior – Seat – “Seat: Rear No. 1 Seat Assembly (w/Center Seat):
[Removal](#) / [Disassembly](#) / [Reassembly](#) / [Installation](#)”*
- 2012 Sienna:
*Vehicle Interior – Seat – “Seat: Rear No. 1 Seat Assembly (w/Center Seat):
[Removal](#) / [Disassembly](#) / [Reassembly](#) / [Installation](#)”*
- 2013 Sienna:
*Vehicle Interior – Seat – “Seat: Rear No. 1 Seat Assembly (w/Center Seat):
[Removal](#) / [Disassembly](#) / [Reassembly](#) / [Installation](#)”*
- 2014 Sienna:
*Vehicle Interior – Seat – “Seat: Rear No. 1 Seat Assembly (w/Center Seat):
[Removal](#) / [Disassembly](#) / [Reassembly](#) / [Installation](#)”*

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Repair Procedure 2: Seat Frame Replacement (Continued)

2. Measure lower cushion movement per the Inspection Procedure at the beginning of this bulletin.

MEASUREMENT	INSPECTION RESULT	REPAIR	OP CODE
0 – 3 mm	Normal characteristic (within specification)	None	BD1222
4 – 12 mm	Excessive movement	Repair Procedure 1	BD1224

3. Confirm proper seat operation.