

Service

Category Brake

Section

Brake (front)

Market USA



Applicability

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

Introduction

Some 2011 – 2014 model year Sienna vehicles may exhibit a vibration/pulsation from the front brakes that can be felt in the brake pedal while lightly applying the brake pedal. New front brake pads and a new field fix repair procedure have been developed to improve this condition.

Parts Information

PART NUMBER		PART NAME	ОТУ	
PREVIOUS	NEW	PART NAME	QTY	
04465-0E010	04465-45040	Pad Kit, Brake Front		
04945-0E040		Shim Kit, Anti-squeal, FR	1	
43512-0E030		Disc, Front	2	
53851-08010		Pad, Front Wheel Opening Extension, RH	1	
53852-08010		Pad, Front Wheel Opening Extension, LH	1	

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
BR1401	R & R Front Disc Pad w/ Anti-squeal Shim Kit (Both Sides)	0.8	43512-0E030 04465-0E010	OD	00
Combo A	Extension Pad Modification	0.5	53851-08010 53852-08010	9B	99

APPLICABLE WARRANTY

- This repair is covered under the Toyota Basic 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.



Repair Procedure

1. Conduct a road test to verify there is front brake vibration.

NOTE

The condition usually occurs when the vehicle is driven on decline/downhill.

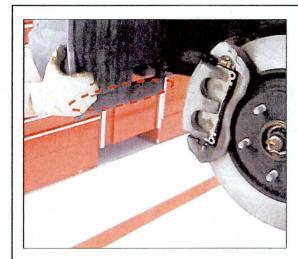
2. Modify front extension pads and reinstall on vehicle.

NOTE

Modification MUST be completed on both the passenger and driver side of the vehicle.

A. Locate Front Wheel Opening Extension Pad.

Figure 1.







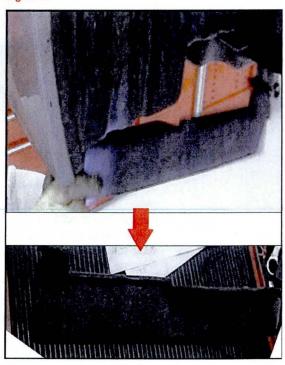
Repair Procedure (Continued)

B. Remove 4 bolts and remove the extension pad. Figure 2.



C. Place the extension pad on a flat surface for modification.

Figure 3.





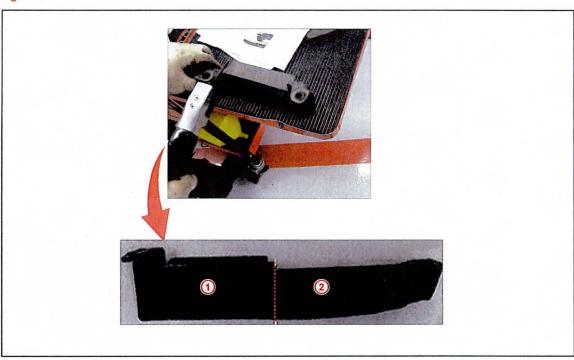
Repair Procedure (Continued)

D. Using a power saw, cut at location specified.

NOTE

- · It is recommended to draw a straight line where the cut will be made.
- · Callout 1 in Figure 4 should be discarded.

Figure 4.



Discard

Reinstall On The Vehicle

Figure 5.

E. Install the modified extension pad back on the vehicle and reinstall the 4th remaining bolt to the original location as referenced in Figure 5.

NOTE

Make sure modification is completed on both sides.



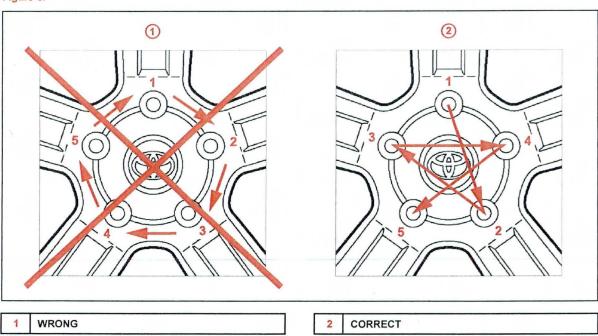


Repair Procedure (Continued)

- 3. New rotor MUST be phase matched to the hub assembly.
 - A. Mount rotor onto hub assembly and note the starting lug position.
 - B. Measure the runout of the hub and rotor assembly at the outermost point of rotor surface and record the runout measurement.
 - C. Rotate rotor clockwise on hub to the next lug position.
 - D. Repeat step B at each lug position.
 - E. Rotor position will be determined based on the lowest runout measurement obtained.
 Max Runout Allowed: 0.05 mm (0.00197 in.)
- 4. Replace the original brake pads with newly developed brake pads and Shim Kit.
- 5. Install the front wheel and torque to specification using the correct tightening sequence.

Torque: 103 N*m (1050 kgf*cm, 76 ft*lbf)

Figure 6.



NOTICE

Do NOT use an impact gun to tighten the lug nuts, use a torque wrench and follow the correct sequence to tighten the wheels.

6. Test drive the vehicle and confirm that the condition is no longer present.