

Front Brake Rattle Over Bumps

Service
Category Brake

Section Brake (front)

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2010 – 2011	Prius	

Introduction

Some 2010 – 2011 model year Prius vehicles may exhibit front brake rattle when driving over Botts' dots (raised pavement markers) or rough surfaces. Use the following procedure to address this condition.

Production Change Information

Front Caliper #2 Slide Pin Bushing Replacement: vehicles produced **BEFORE** the Production Change Effective VINs shown below.

MODEL	PLANT	PRODUCTION CHANGE EFFECTIVE VIN
Prius	Tsutsumi #1	JTDKN3DU#B0255112
	Tsutsumi #2	JTDKN3DU#B1324696
	Toyota Body	JTDKN3DU#B5239586

NOTE

If vehicle is built after the Production Change Effective VIN break, only apply disc brake grease to ears of brake pads and shims.

Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
47769-50010	Same	Bush, Cylinder Slide	1
08887-80609	Same	Disc Brake Grease	1

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Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
BR1103	Install #2 Slide Pin Bushings and Apply Disc Brake Grease	1.0	477#0-47060	91	99
BR1104	Apply Disc Brake Grease to Pads and Anti-squeal Shims	0.8			

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.

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
ChassisEAR™ (or equivalent)	ADE	JSPSM06606 (JS Products)	1

NOTE

- A mechanic's stethoscope or similar tool may be used in place of ChassisEAR™.
- ChassisEAR™ may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

Diagnostic Procedure

1. Test drive the vehicle to confirm the rattle noise is coming from the front brake caliper area. The condition can be duplicated when driving over Botts' dots or uneven road surface with driver's window down.

NOTE

Use ChassisEAR™ if needed to help identify noise.

2. Check the vehicle VIN.
 - A. If the vehicle's VIN is before the Production Change Effective VIN, follow all the steps of the Repair Procedure.
 - B. If the vehicle's VIN is after the Production Change Effective VIN break, **ONLY apply disc brake grease to ears of brake pads and shims starting with step 3.**

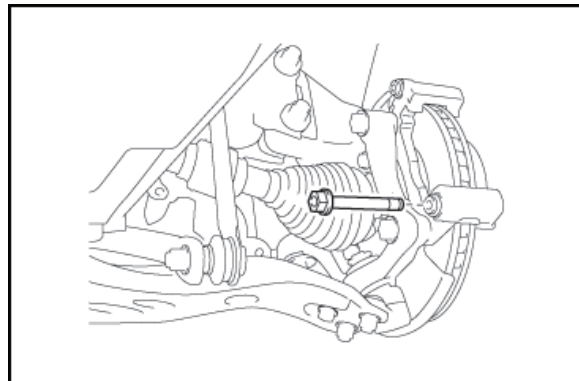
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Repair Procedure

1. Remove #2 slide pin for the front caliper mounting bracket. Refer to the Technical Information System (TIS), applicable model and model year Repair Manual:

- [2010](#) / [2011](#) Prius:
Brake – Brake (Front) – “Brake (Front): Front Brake: Removal”

Figure 1.



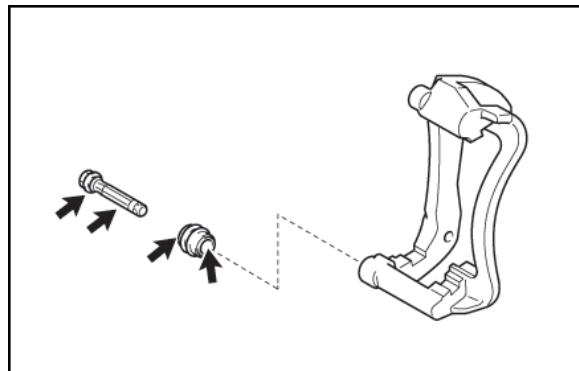
2. Install bushing on #2 slide pin and install slide pin. Refer to TIS, applicable model and model year Repair Manual:

NOTE

If after Production Effective VIN Break skip to step 3.

- [2010](#) / [2011](#) Prius:
Brake – Brake (Front) – “Brake (Front): Front Brake: Installation”

Figure 2.



1	Front Disc Brake Cylinder Slide Pin (No. 2)
2	Bushing

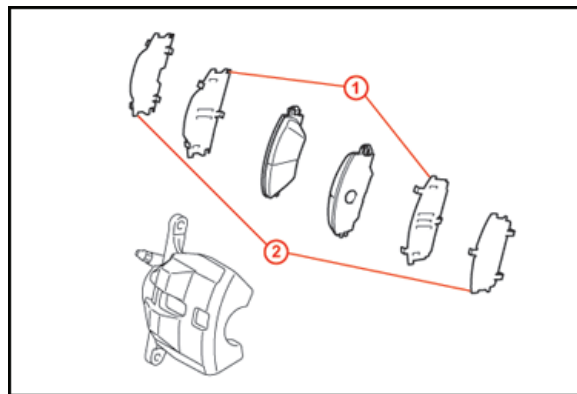
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Repair Procedure (Continued)

3. Remove front brake pads and anti squeal shims. Refer to TIS, applicable model and model year Repair Manual:

- [2010](#) / [2011](#) Prius:
Brake – Brake (Front) – “Brake (Front): Front Brake: Removal”

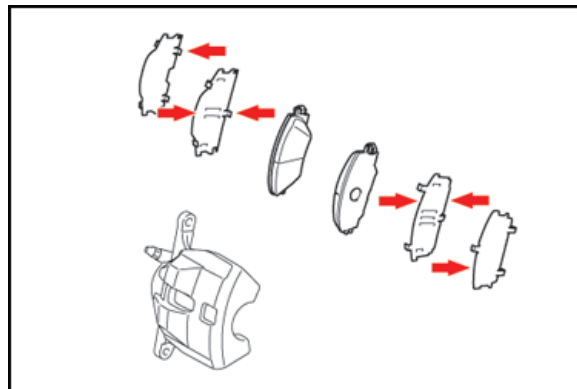
Figure 3.



1	Front No. 1 Anti Squeal Shim
2	Front No. 2 Anti Squeal Shim

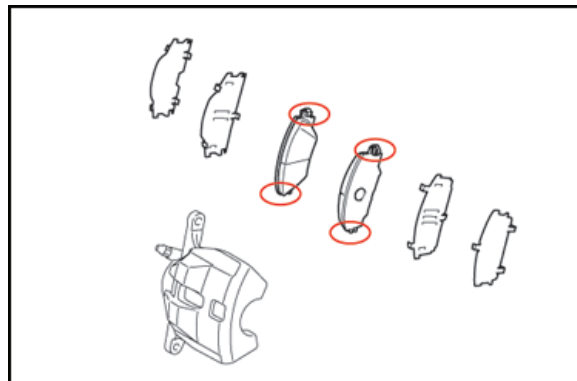
4. Clean and inspect front brake pads and anti squeal shims.
5. Apply disc brake grease to anti squeal shims.

Figure 4.



6. Apply disc brake grease to ears of brake pads.

Figure 5.



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Repair Procedure (Continued)

7. Install front brake pads and anti squeal shims. Refer to TIS, applicable model and model year Repair Manual:

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Brake – Brake (Front) – “Brake (Front): Front Brake: Installation”

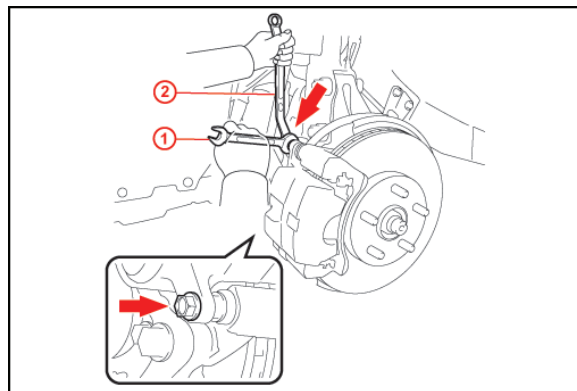
8. Install the front disc brake caliper assembly with the 2 bolts.

NOTE

Hold the front disc brake cylinder slide pin bolt (1) and tighten bolt (2) for the disc brake cylinder assembly.

Torque: 34 N*m (347 kgf*cm, 25 ft*lbf)

Figure 6.



1	Hold
2	Tighten

9. Road test vehicle to confirm noise has been reduced or eliminated.