

Rear Brake Groan or Squeak Noise when Cold

Service
Category Brake

Section Brake (rear)

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2012 – 2013	Prius V	

REVISION NOTICE

October 3, 2013 Rev1:

- The Parts Information and Warranty Information sections have been updated.

Any previous printed versions of this bulletin should be discarded.

Introduction

Some 2012 – 2013 model year Prius V vehicles may exhibit a rear brake groan or squeak noise when going forward or backing up when the brakes are cold. New Rear Brake Caliper Assemblies that include anti-squeal shims, brake pads, and pad support clips have been developed to help address this condition.

Production Change Information

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

MODEL	PRODUCTION CHANGE EFFECTIVE VIN
Prius V	JTDZN3EU#D3207505

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Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
BR1206	R & R Rear Calipers	0.8	47810-47090 47820-47090 47830-47080 47850-47080	36	40

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
473075	Rear Disc (One Side) (On-Vehicle) Grind*	1.3	42431-47050	36	40
Combo A	Opposite Side*	1.1			
OR					
473061	R & R Rear Disc Brake*	0.7	42431-47050	36	40
Combo A	Opposite Side*	0.2			

* Do NOT claim both grinding and disc replacement. Only ONE or the other operation is allowed.

* Disc should NOT be replaced unless the disc thickness is less than minimal specification and must be grinded with On-car Lathe.

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.

Parts Information

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
47810-47090 47830-47080	47810-47100	Loaded Caliper Assembly, Right Rear	1
47820-47090 47850-47080	47820-47100	Loaded Caliper Assembly, Left Rear	1
42431-47050		Rear Disc	2
90401-10058		Bolt, Union (for Rear Flexible Hose)	2
47389-50020		Gasket (for Rear Flexible Hose)	2

Required Tools & Equipment

REQUIRED EQUIPMENT	QTY
On-Car Brake Lathe	1

Rear Brake Groan or Squeak Noise when Cold

Repair Procedure

1. Conduct a road test to verify the rear brakes groan or squeak.

NOTE

The condition usually occurs when the brakes are cold and damp.

2. Remove rear brake caliper assembly.

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

- [2012](#) / [2013](#) Prius V:
Brake – Brake (Rear) – “Brake (Rear): Rear Brake: Removal”

3. Measure the disc thickness using a micrometer.

- **Standard Thickness: 12.0 mm (0.472 in.)**
- **Minimum Thickness: 10.5 mm (0.413 in.)**

NOTE

If the disc thickness is less than the minimum, replace the disc.

4. If discs are within the standard thickness, grind both rear discs using an on-car lathe.

Runout Specification upon Completion: 0.15 mm (0.00591 in.)

NOTE

Even if discs are within runout specification (0.15 mm [0.00591 in.]), disc grinding is part of required repair procedure if discs are NOT replaced.

5. Install NEW rear brake caliper assembly.

Refer to TIS, applicable model and model year Repair Manual:

- [2012](#) / [2013](#) Prius V:
Brake – Brake (Rear) – “Brake (Rear): Rear Brake: Installation”

6. Conduct a test drive and confirm condition is no longer present.