

# 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

## Rear Brake Groan or Squeak Noise when Cold

### Warranty Information

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

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
473075	Rear Disc (One Side) (On-Vehicle) Grind*	1.3	42431-47050	36	40
Combo A	Opposite Side*	1.1			
<b>OR</b>					
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.