

# 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  |                        |

## 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 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               |

## Warranty Information

| OP CODE | DESCRIPTION                              | TIME | OFF         | T1 | T2 |
|---------|--|------|-------------|----|----|
| BR1206  | R & R Rear Calipers                      | 0.8  | 47810-47090 | 36 | 40 |
|         |  |      | 47820-47090 |    |    |
|         |  |      | 47830-47080 |    |    |
|         |  |      | 47850-47080 |    |    |
| 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  |             |    |    |
| OR      |  |      |             |    |    |
| 473061  | R & R Rear Disc Brake*                   | 0.6  | 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.

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### Warranty Information (Continued)

#### 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<br>47830-47080 | 47810-47100 | Loaded Caliper Assembly, Right Rear | 1   |
| 47820-47090<br>47850-47080 | 47820-47100 | Loaded Caliper Assembly, Left Rear  | 1   |
| 42431-47050                |             | Rear Disc                           | 2   |

### Required Tools & Equipment

| REQUIRED EQUIPMENT | QTY |
|--------------------|-----|
| On-Car Brake Lathe | 1   |

### 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"*

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### Repair Procedure (Continued)

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.

