

Rubbing or Grinding Noise From Rear on Turns

Service Category Brake

Section Brake (rear)

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2007 - 2012	Tundra	

REVISION NOTICE

February 20, 2023 Rev1:

- The Parts Information and Repair Procedure sections have been updated. Any previous printed versions of this bulletin should be discarded.

Introduction

Some 2007 – 2012 model year Tundra vehicles may exhibit a rubbing or grinding noise from the rear when making left-hand or right-hand turns. New parking brake plate sub-assemblies have been developed to address this condition.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
BR1210	R & R Parking Brake Sub-assembly**	2.2	46503-***** 46504-*****	36	13
Combo A	Opposite Side	1.0			

*Special Service Part Bearing Kit can no longer be ordered. Replace ALL parts with new ones listed in the Parts Information section of this bulletin.

**Warranty claim MUST be submitted with the correct 10-digit OFF. Choose the correct OFF for the vehicle being repaired by searching for the parts in the Electronic Parts Catalog using the VIN filter.

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.

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Parts Information

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
04002-4310C	42423-34040	Retainer, RR, Axle Bearing, Inner	1
	42450-0C011	Bearing Assy, RR Axle W/ABS Rotor, RH	1
	46503-0C012	Plate Sub-Assy, Parking Brake, RH	1
	90119-A0276	Bolt, W/Washer	2
	90301-A0015	Ring, O	1
	90310-A0004	Seal, Type S Oil	1
	90468-08035	Clip	1
04002-4320C	42423-34040	Retainer, RR, Axle Bearing, Inner	1
	42460-0C011	Bearing Assy, RR Axle W/ABS Rotor, LH	1
	46504-0C012	Plate Sub-Assy, Parking Brake, LH	1
	90119-A0276	Bolt, W/Washer	2
	90301-A0015	Ring, O	1
	90310-A004	Seal, Type S Oil	1
	90468-08035	Clip	1

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Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Oil Seal Puller**	09308-00010	
Brake Shoe Return Spring Tool*	09703-30011	1
Shoe Hold Down Spring Driver*	09718-00011	1
Rear Axle Shaft Puller**	09521-25011-01	1
Rear Axle Shaft Puller Adapter**	09521-60010-01	1
Rear Axle Shaft Puller Spacer**	09521-25000-01	
Seal Ring Tool**	09631-12090	1
Lower Control Shaft Bearing Replacer*	09726-40010	1
Replacer Set #3** (Replacer 110)	09950-60030-01 (09951-01100-01)	1
Outer Bearing Cup Replacer*	09950-60020	1
Handle Set**	09950-70010-01	1

*Special order.

**Essential SST.

NOTE

Additional SSTs may be ordered by calling 1-800-933-8335.

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Repair Procedure

1. Test-drive the vehicle and confirm the condition exists.

Does the vehicle exhibit a rubbing or grinding noise from the rear when making left-hand and right-hand turns?

- **YES** — Continue to step 2.
- **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

2. Place the vehicle on the lift, remove the rear wheels and rear rotors, and check for any irregular contact on the brake plate from the rotors.

Figure 1. Example of Irregular Contact on Brake Plate



3. If there appears to be irregular contact from the rotor to the brake plate, replace ALL parts specified in the Special Service Part Bearing Kit (including the parking brake backing plate).

Refer TIS, applicable model year Repair Manual:

- 2007 Tundra:
Drivetrain – Axle/Differential – “Axle: Rear Axle Shaft: [Removal](#) / [Disassembly](#) / [Reassembly](#) / [Installation](#)”
- 2008 Tundra:
Drivetrain – Axle/Differential – “Axle: Rear Axle Shaft: [Removal](#) / [Disassembly](#) / [Reassembly](#) / [Installation](#)”
- 2009 Tundra:
Drivetrain – Axle/Differential – “Axle: Rear Axle Shaft: [Removal](#) / [Disassembly](#) / [Reassembly](#) / [Installation](#)”
- 2010 Tundra:
Drivetrain – Axle/Differential – “Axle: Rear Axle Shaft: [Removal](#) / [Disassembly](#) / [Reassembly](#) / [Installation](#)”

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Repair Procedure (continued)

4. Settle the parking brake shoe and disc.
 - A. Drive the vehicle for approximately 0.25 miles (400 m) under the following conditions:
 - (1) Drive the vehicle at approximately 31 mph (50 km/h) on a level, dry road.
 - (2) Depress the parking brake pedal.
 - B. Repeat the procedure above two or three times.
 - C. Stop and depress the parking brake three times. The vehicle should hold position with six to nine clicks of travel.

5. Test-drive the vehicle once more to confirm there is NO noise coming from the rear of the vehicle when making left-hand and right-hand turns.