

Front Brake Squeal Noise

Service Category Brake

Section Brake (front)

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2025 - 2026	4Runner, 4Runner HV	
2024 - 2026	Land Cruiser	

REVISION NOTICE

May 19, 2026 Rev1:

- The Warranty Information and Parts Information sections have been updated.
 - The Repair Procedure Confirmation and Repair Procedure 2 sections have been included.
- Any previous printed versions of this bulletin should be discarded.

SUPERSESION NOTICE

The information contained in this bulletin supersedes Service Bulletin No. T-SB-0046-25.

- The Parts Information Section has been updated.
- Service Bulletin No. T-SB-0046-25 is obsolete and any printed versions should be discarded.

Introduction

Some 2024 – 2026 model year Land Cruiser, and 2025 – 2026 model year 4Runner and 4Runner Hybrid vehicles may exhibit a condition where the front brakes produce a squealing noise when driving in reverse. Follow the Repair Procedure in this bulletin to reduce the possibility of this condition.

Front Brake Squeal Noise

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
BR2601	R & R Front LH & RH Shim Kit, and Brake Pad Kit	0.9	04945-60100	91	99
BR2607	R & R Front LH & RH Shim Kit, Brake Pad Kit, Fitting Kit, and Front Discs	1.8	04945-60100	91	99

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		
04465-60380	04465-34040	Pad Kit Disc Brake, Front	1
04945-60100	04945-0C060	Shim Kit, Anti Squeal, Front (Grease Included)	1
04947-60150	04947-60140** or 04947-0C030**	Fitting Kit, Disc Brake Front (Anti-rattle Spring)	1
43512-60281	43512-04080	Disc, Front	2
08887-80609*		Brake Caliper Grease	1

*Brake caliper grease is a common service consumable. Verify dealership stock BEFORE ordering. The amount of grease supplied in a single order of brake caliper grease is sufficient to repair 10 vehicles.

**Only one part is necessary. Both part numbers are interchangeable components; either one can be used.

Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Disc Brake Piston Spreader Wide Type	09719-77020 09719-77050	1

NOTE

Additional SSTs may be ordered by calling 1-800-368-6787 or by visiting *Home – Service Resources – Toyota Tools and Equipment Program*.

Front Brake Squeal Noise

Repair Procedure Confirmation

Determine the appropriate repair method according to the vehicle and condition present:

- For Land Cruiser vehicles emitting a brake noise – Perform ONLY Repair Procedure 1
- For 4WD 4Runner and 4Runner HV vehicles emitting a brake noise – Perform ONLY Repair Procedure 1
- For 2WD 4Runner vehicles emitting a brake noise – Perform ONLY Repair Procedure 2
- [Repair Procedure 1](#) 3
- [Repair Procedure 2](#) 7

Repair Procedure 1 – Land Cruiser, 4WD 4Runner, and 4WD 4Runner HV

1. Confirm the condition exists.

If the vehicle is a Land Cruiser, 4WD 4Runner, or a 4WD 4Runner HV, does the vehicle exhibit a condition where the front brakes produce a squealing noise when driving forward or in reverse?

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

2. Remove the tire and wheel, pad, shim kit, and anti-rattle spring.

A. Remove the tire and wheel.

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

- [2024 – 2026](#) Land Cruiser:
General – Maintenance – Tire and Wheel – Removal
- [2025 – 2026](#) 4Runner and 4Runner HV:
General – Maintenance – Tire and Wheel – Removal

B. Remove the front disk brake pad.

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

- [2024 – 2026](#) Land Cruiser:
General – Maintenance – Front Disc Brake Pad – Removal
- [2025 – 2026](#) 4Runner and 4Runner HV:
General – Maintenance – Front Disc Brake Pad – Removal

Front Brake Squeal Noise

Repair Procedure 1 – Land Cruiser, 4WD 4Runner, and 4WD 4Runner HV (continued)

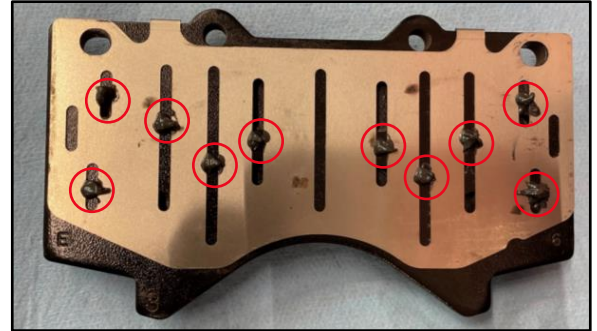
- 3. Assemble the brake pad and shim kit.
 - A. Place the shim plate on the back of the brake pad, as shown in Figure 1.
 - B. Apply grease ONLY to the 10 locations, as shown in Figure 1.

NOTE

Use the grease included with the shim kit (04945-0C060).

- C. After applying grease, carefully place the solid shim on top.

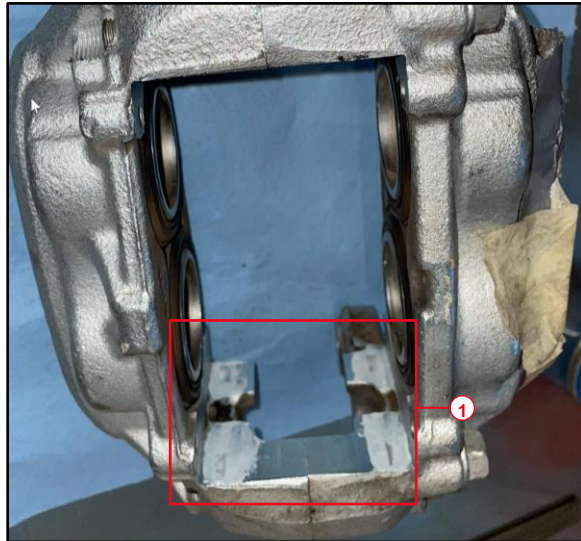
Figure 1. Shim Plate on the Back of the Brake Pad



○ Locations of Grease Application

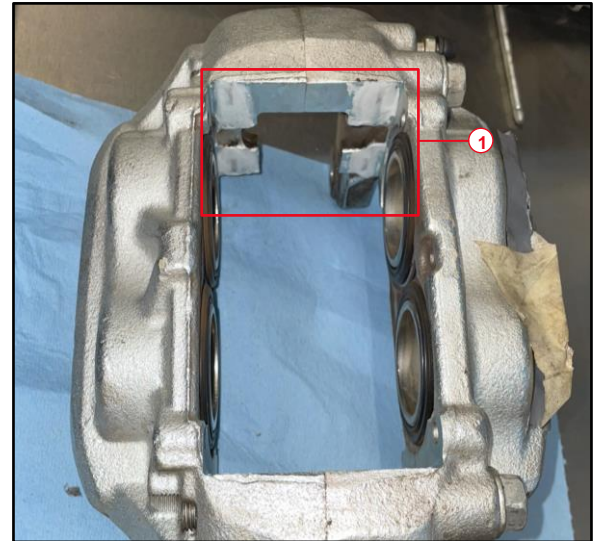
- 4. Apply brake caliper grease to the cylinder (caliper) areas, as shown in Figures 2 and 3.

Figure 2.



1 Area of Grease Application

Figure 3.



1 Area of Grease Application

Front Brake Squeal Noise

Repair Procedure 1 – Land Cruiser, 4WD 4Runner, and 4WD 4Runner HV (continued)

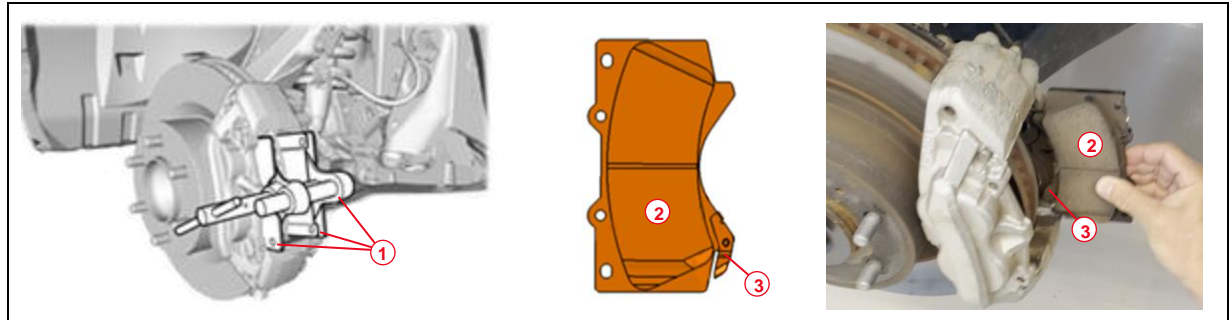
5. Install the front disc brake pad kit.

Using the disc brake piston spreader wide type, push back the front disc brake pistons, and install the brake pad with the wear indicator and shims inside the caliper, as shown in Figure 4. Ensure the brake pads orientation match the images in Figures 5 and 6.

NOTE

The brake pad with the wear indicator is the inner pad and the brake pad without the wear indicator is the outer pad.

Figure 4. Brake Pad Installation



1	Disc Brake Piston Spreader Wide Type
2	Brake Pad with Wear Indicator
3	Wear Indicator

Figure 5. Left Front Brake Pad

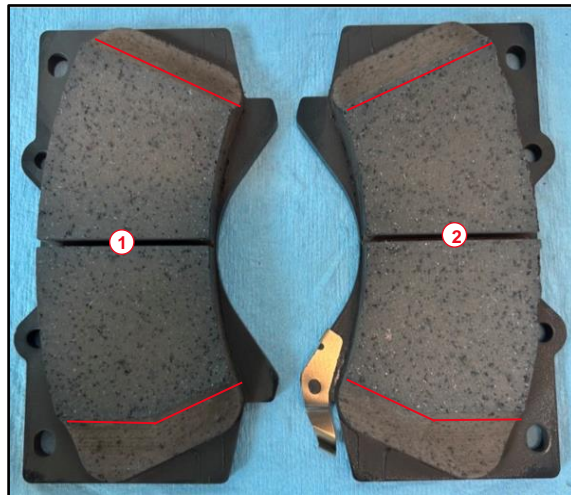


Figure 6. Right Front Brake Pad



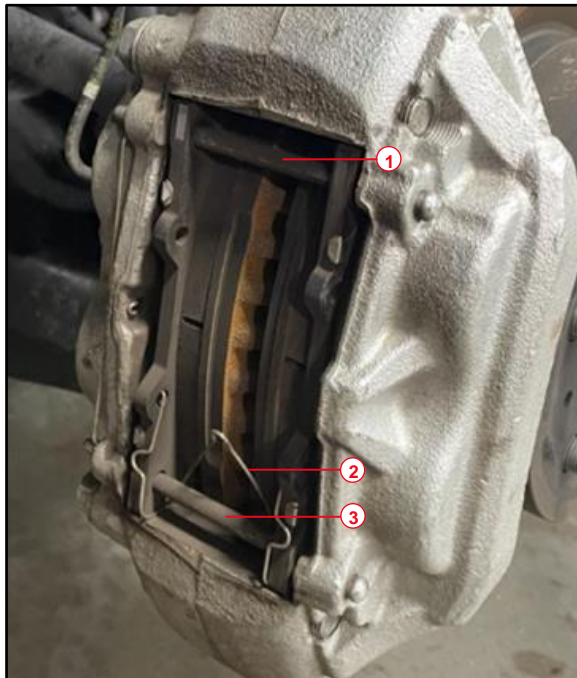
1	Outer Brake Pad
2	Inner Brake Pad

Front Brake Squeal Noise

Repair Procedure 1 – Land Cruiser, 4WD 4Runner, and 4WD 4Runner HV (continued)

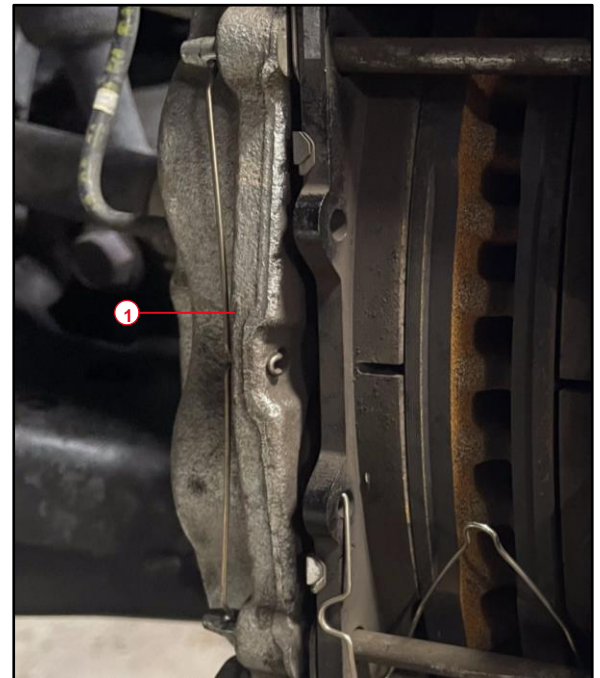
6. Install the anti-rattle kit.
 - A. Install the front disc brake anti-rattle pin with the hole (upper side).
 - B. Install the NEW brake anti-rattle spring, then install the front disc brake anti-rattle pin with the hole (lower side), as shown in Figure 7.
 - C. Install the pin hold clip to the front disc brake anti-rattle pin with the hole and engage the hook to the disc brake cylinder assembly, as shown in Figure 8.
 - D. Discard the OLD brake anti-rattle spring.

Figure 7.



1	Front Disc Brake Anti-rattle Pin (Upper Side)
2	New Brake Anti-rattle Spring
3	Front Disc Brake Anti-rattle Pin (Lower Side)

Figure 8.



1	Pin Hold Clip
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Front Brake Squeal Noise

Repair Procedure 1 – Land Cruiser, 4WD 4Runner, and 4WD 4Runner HV (continued)

7. Install the tire and wheel.

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

- [2024 – 2026](#) Land Cruiser:
General – Maintenance – Tire and Wheel – Installation
- [2025 – 2026](#) 4Runner and 4Runner HV:
General – Maintenance – Tire and Wheel – Installation

8. Test-drive the vehicle by driving in reverse to confirm the condition is no longer present.

Repair Procedure 2 – 2WD 4Runner

1. Confirm the condition exists.

If the vehicle is a 2WD 4Runner, does the vehicle exhibit a condition where the front brakes produce a squealing noise when driving forward or in reverse?

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

2. Remove the tire and wheel, disc, pad, shim kit, and anti-rattle spring.

- A. Remove the tire and wheel.

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

- [2025 – 2026](#) 4Runner:
Suspension – Maintenance – Tire and Wheel – Removal

- B. Remove the front disc brake pad.

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

- [2025 – 2026](#) 4Runner:
Brake – Brake (Front) – Front Disc Brake Pad – Removal

- C. Remove the front brake.

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

- [2025 – 2026](#) 4Runner:
Brake – Brake (Front) – Front Brake – Removal

Front Brake Squeal Noise

Repair Procedure 2 – 2WD 4Runner (continued)

3. Confirm that the rotor is NEW and then install the NEW rotor.

Does the rotor have a green dot on the hat?

- **YES** — Install the NEW rotor.
- **NO** — Do NOT proceed with repair until a correctly marked rotor is obtained.

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

- [2025 – 2026](#) 4Runner:
*Brake – Brake (Front) –
 Front Brake – Installation*

4. Assemble the brake pad and shim kit.

A. Place the shim plate on the back of the brake pad as shown in Figure 10.

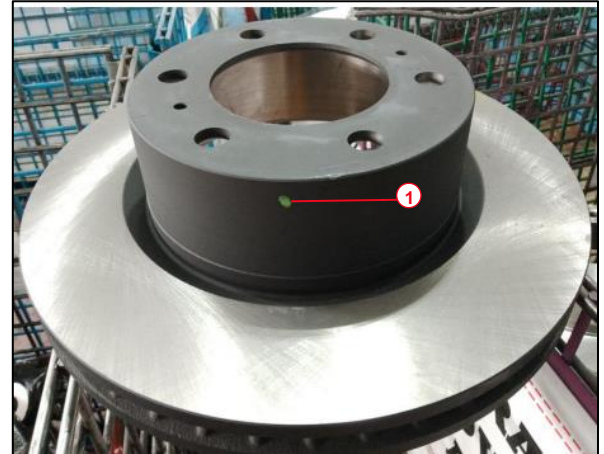
B. Apply grease ONLY to the ten locations shown in Figure 10.

NOTE

Use the grease included with the shim kit.

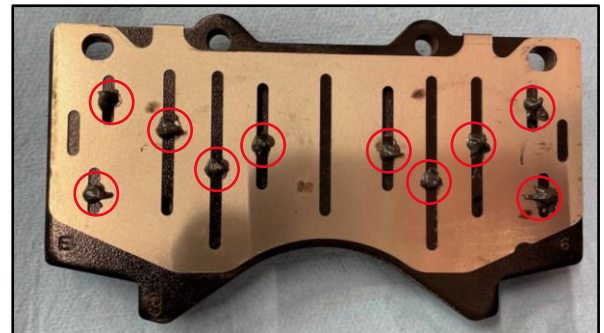
C. After applying grease, carefully place the solid shim on top.

Figure 9. New Rotor With Green Dot



1	Green Dot
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Figure 10. Shim Plate on the Back of the Brake Pad



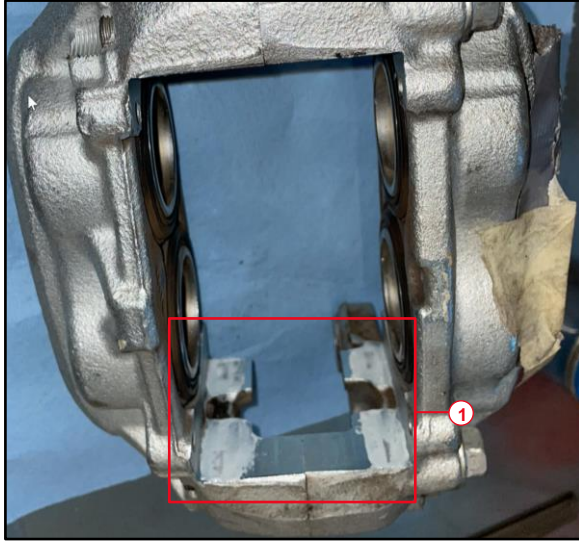
	Locations of Grease Application
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Front Brake Squeal Noise

Repair Procedure 2 – 2WD 4Runner (continued)

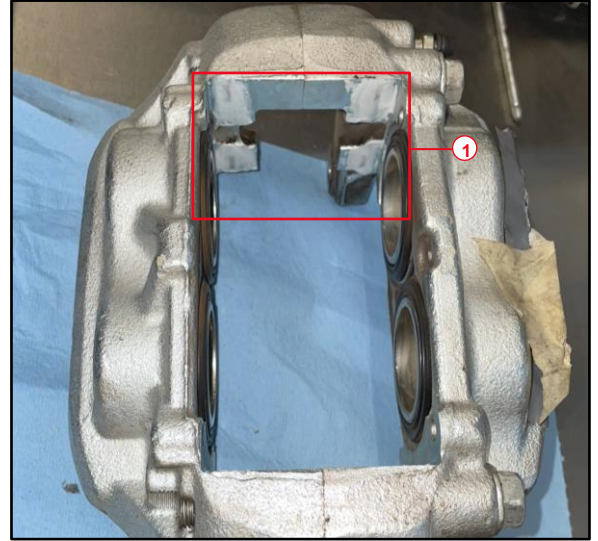
5. Apply brake caliper grease to the cylinder (caliper) areas shown in Figures 11 and 12.

Figure 11.



1	Area of Grease Application
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Figure 12.



1	Area of Grease Application
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Front Brake Squeal Noise

Repair Procedure 2 – 2WD 4Runner (continued)

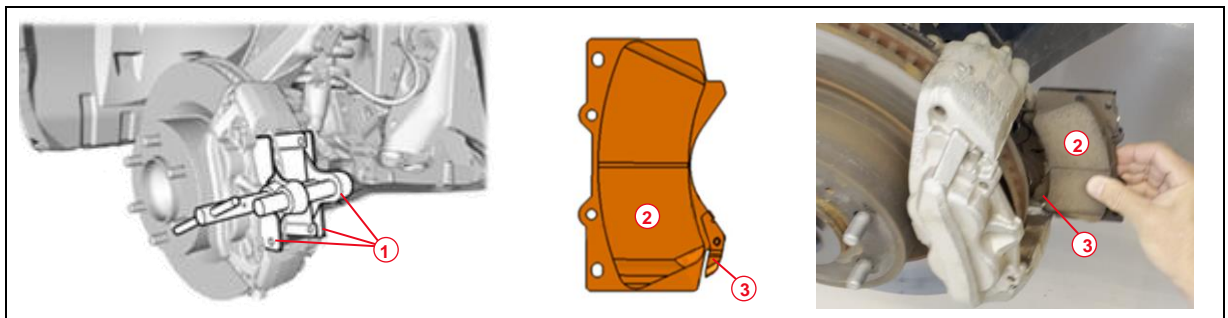
6. Install the front disc brake pad kit.

Using the disc brake piston spreader wide type, push back the front disc brake pistons, and install the brake pad with the wear indicator and shims inside the caliper, as shown in Figure 13. Ensure the brake pads orientation match the images in Figures 14 and 15.

NOTE

The brake pad with the wear indicator is the inner pad and the brake pad without the wear indicator is the outer pad.

Figure 13. Brake Pad Installation



1	Disc Brake Piston Spreader Wide Type
2	Brake Pad with Wear Indicator
3	Wear Indicator

Figure 14. Left Front Brake Pad

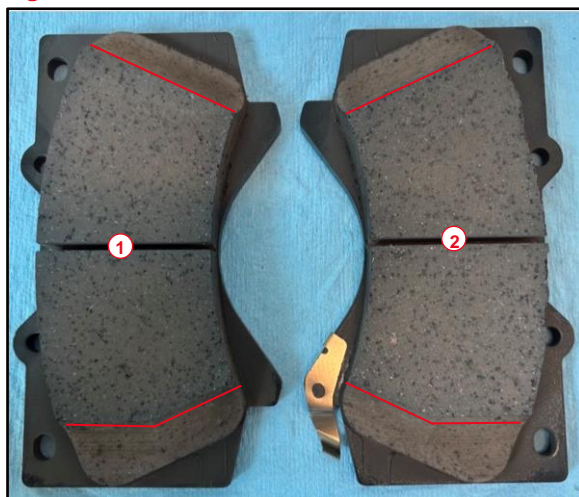


Figure 15. Right Front Brake Pad



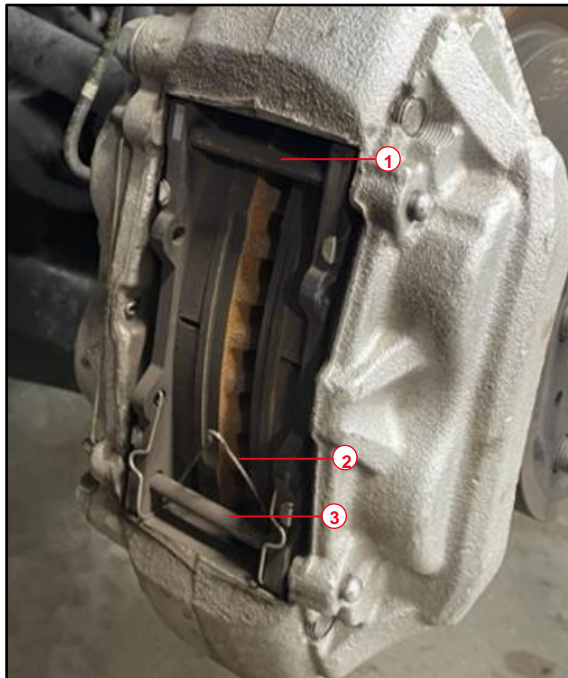
1	Outer Brake Pad
2	Inner Brake Pad

Front Brake Squeal Noise

Repair Procedure 2 – 2WD 4Runner (continued)

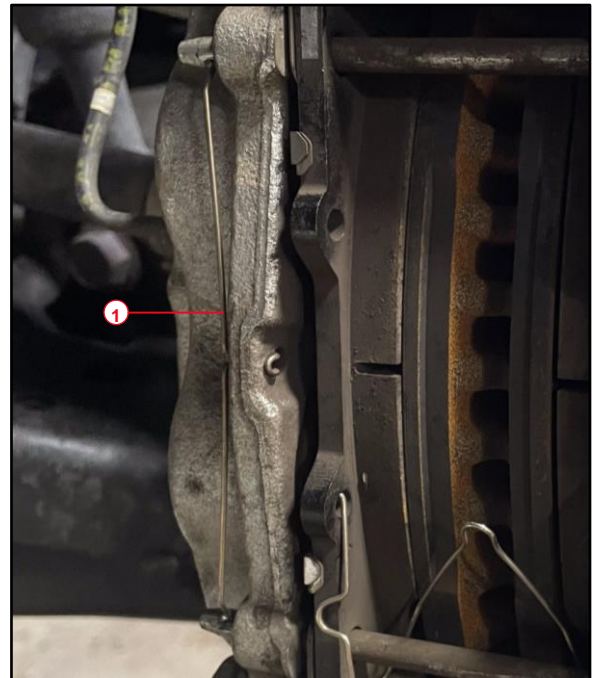
7. Install the anti-rattle kit.
 - A. Install the front disc brake anti-rattle pin with the hole (upper side).
 - B. Install the NEW brake anti-rattle spring, then install the front disc brake anti-rattle pin with the hole (lower side) as shown in Figure 16.
 - C. Install the pin hold clip to the front disc brake anti-rattle pin with the hole and engage the hook to the disc brake cylinder assembly as shown in Figure 17.
 - D. Discard the OLD brake anti-rattle spring.

Figure 16.



1	Front Disc Brake Anti-rattle Pin (Upper Side)
2	New Brake Anti-rattle Spring
3	Front Disc Brake Anti-rattle Pin (Lower Side)

Figure 17.



1	Pin Hold Clip
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Front Brake Squeal Noise

Repair Procedure 2 – 2WD 4Runner (continued)

8. Install the tire and wheel.

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

- [2025 – 2026](#) 4Runner:

Suspension – Tire / Wheel – Tire and Wheel – Installation

9. Test-drive the vehicle and brake at low speeds driving forward and in reverse to confirm the condition is no longer present.