

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

July 20, 2026 Rev2:

- The Warranty Information, Parts Information and Repair Procedure sections have been updated.

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.

SUPERSESSION 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Service Bulletin No. T-SB-0046-25 is obsolete and any printed versions should be discarded.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	OFP	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	1.4	04945-60100	91	99
BR2610	R & R Front Discs	0.8	43512-60281	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		
04465-34040	04465-34050** or 04465-60400**	Pad Kit Disc Brake, Front	1
04945-0C060	04945-34010	Shim Kit, Anti Squeal, Front	1
04947-60150	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.

Front Brake Squeal Noise

Required Tools & Equipment

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

*Essential SST

NOTE

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

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.
 - For 2WD 4Runner vehicles with countermeasure parts and still emitting a brake noise – Perform ONLY Repair Procedure 3.
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- [Repair Procedure 1](#) 4
 - [Repair Procedure 2](#) 8
 - [Repair Procedure 3](#) 8

Front Brake Squeal Noise

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

1. Confirm the condition exists.

Is the vehicle a Land Cruiser, 4WD 4Runner, or a 4WD 4Runner HV, and exhibiting 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 disc 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)

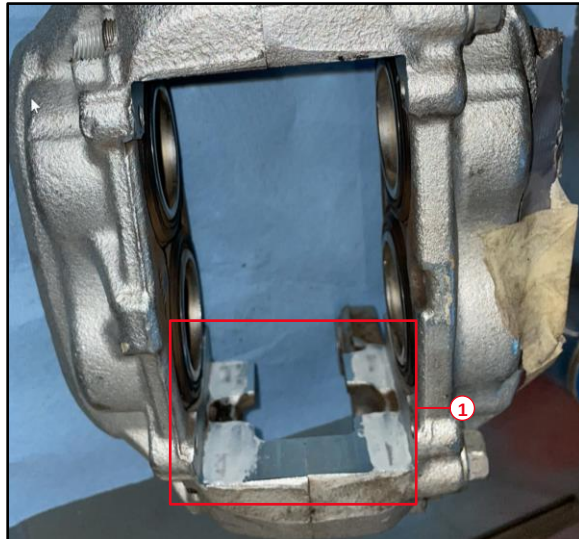
3. Assemble the brake pad and shim kit.
 - A. Brake Pad < Shim No. 1 < Shim No. 2.
 - B. Shim No. 2 has directional arrow.

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

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

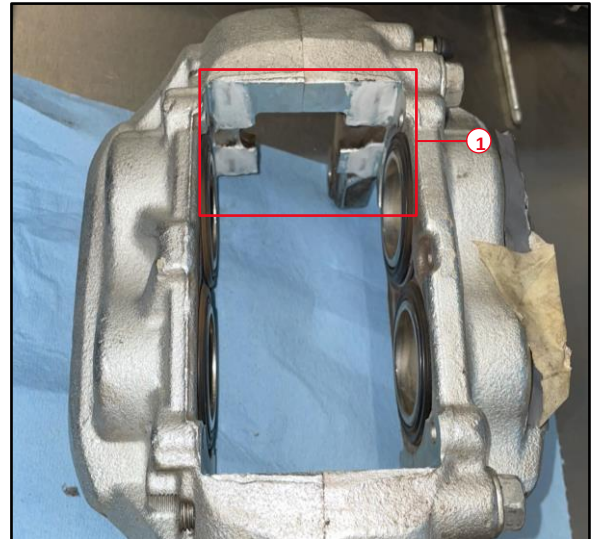
4. Apply brake caliper grease to the cylinder (caliper) areas, as shown in Figures 1 and 2.

Figure 1.



1	Area of Grease Application
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Figure 2.



1	Area of Grease Application
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Front Brake Squeal Noise

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

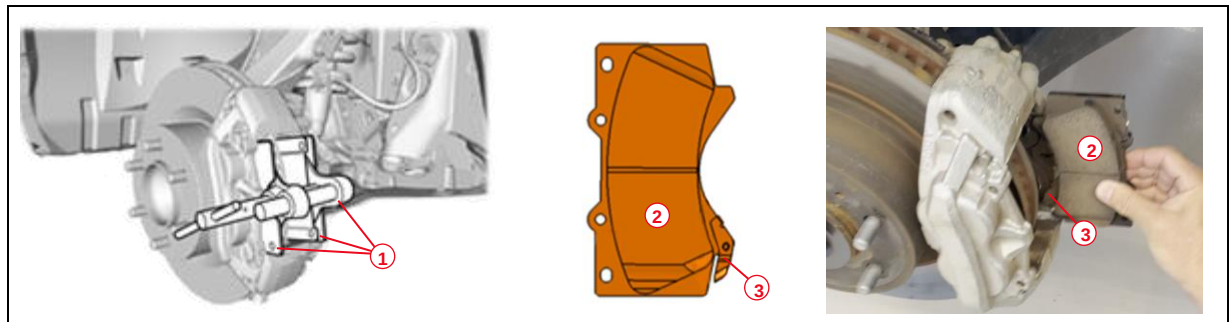
5. Install the front disc brake pad kit.

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 3. Ensure the brake pads orientation match using the stamped identifications on the pad backing plate in Figure 4 and 5.

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 3. Brake Pad Installation



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

The brake pads are paired according to the markings shown in the table below.

LEFT-HAND PAD (DRIVER)		RIGHT-HAND PAD (PASSENGER)	
OUTER PAD	INNER PAD W/ INDICATOR	INNER PAD W/ INDICATOR	OUTER PAD
T or Z	R or B	Q or A	S or Y

Figure 4. Inner Pad

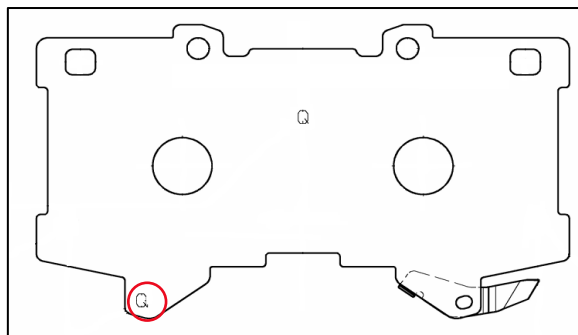
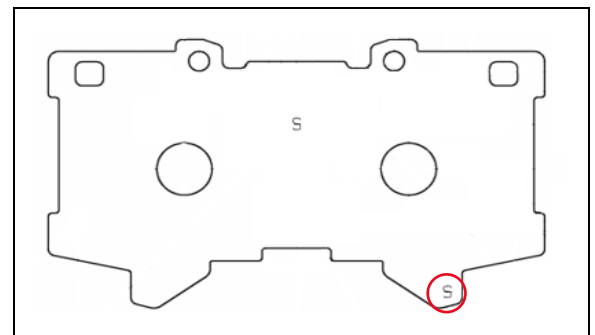


Figure 5. Outer Pad



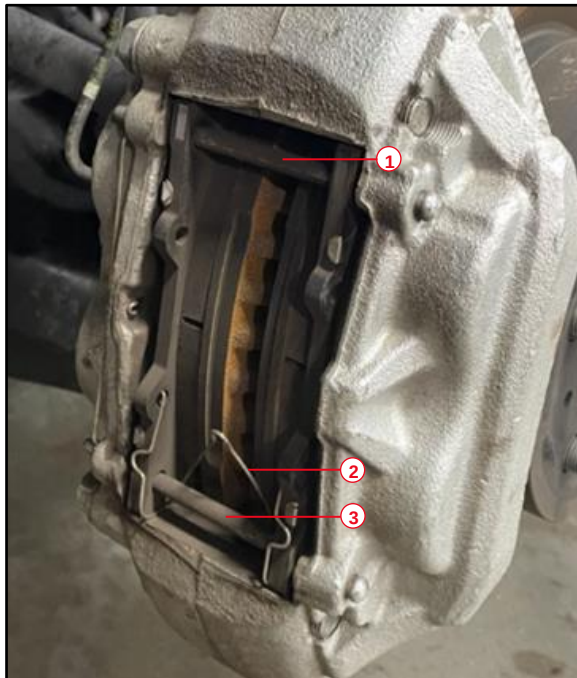
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Front Brake Squeal Noise

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

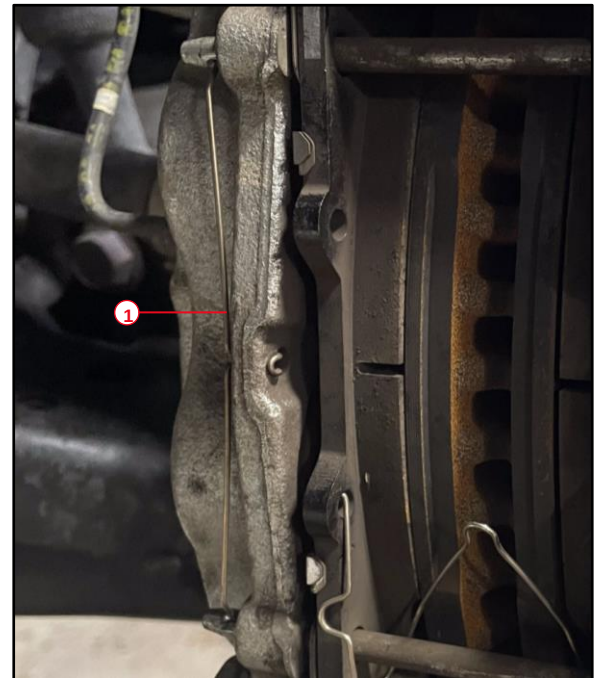
6. Install the anti-rattle kit.
 - A. Install the front disc brake anti-rattle pin with the hole (upper side).
 - B. Install the NEW brake anti-rattle spring, then install the front disc brake anti-rattle pin with the hole (lower side), as shown in Figure 6.
 - C. Install the pin hold clip to the front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

Figure 6.



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 7.



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.

Is the vehicle a 2WD 4Runner exhibiting 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.

NOTE

If the 2WD 4Runner is already equipped with the countermeasure pad, shim kit, and fitting kit, replace the disc rotor ONLY. Refer to Repair Procedure 3. Replacement of the pad, shim kit, and fitting kit is not necessary.

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 – 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?

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

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

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

Figure 8. New Rotor With Green Dot



1

Green Dot

4. Assemble the brake pad and shim kit.
 - A. Brake Pad < Shim No. 1 < Shim No. 2
 - B. Shim No. 2 has directional arrow.

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

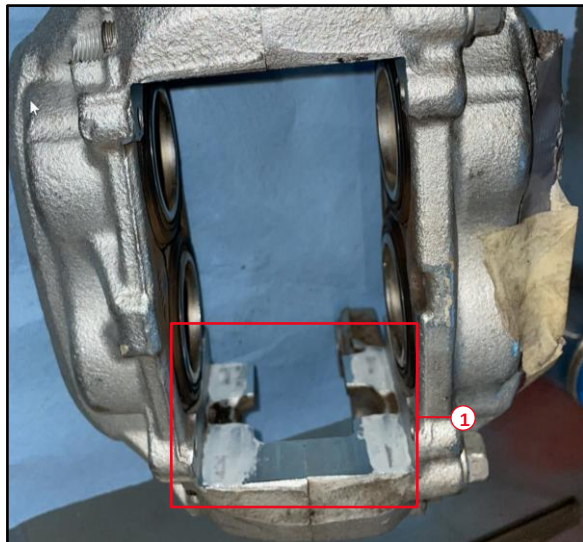
- [2025 – 2026](#) 4Runner:
Maintenance – Front Disc Brake Pad – Installation

Front Brake Squeal Noise

Repair Procedure 2 – 2WD 4Runner (continued)

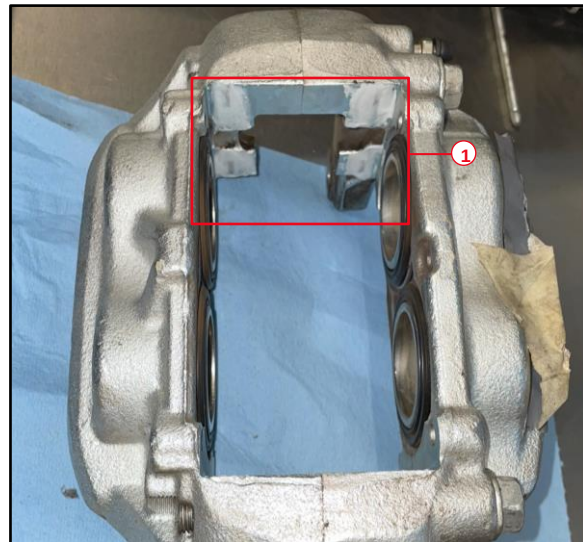
5. Apply brake caliper grease to the cylinder (caliper) areas shown in Figures 9 and 10.

Figure 9.



1	Area of Grease Application
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Figure 10.



1	Area of Grease Application
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Front Brake Squeal Noise

Repair Procedure 2 – 2WD 4Runner (continued)

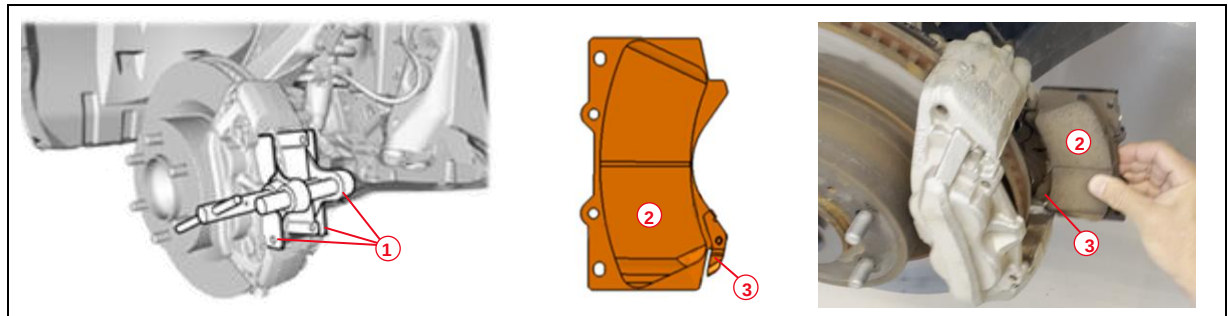
6. Install the front disc brake pad kit.

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 11. Ensure the brake pads orientation match using the stamped identifications on the pad backing plate in Figure 12 and 13.

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 11. Brake Pad Installation



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

The brake pads are paired according to the markings shown in the table below.

LEFT-HAND PAD (DRIVER)		RIGHT-HAND PAD (PASSENGER)	
OUTER PAD	INNER PAD W/ INDICATOR	INNER PAD W/ INDICATOR	OUTER PAD
T or Z	R or B	Q or A	S or Y

Figure 4. Inner Pad

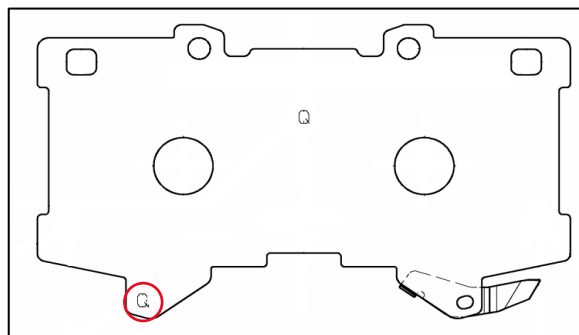
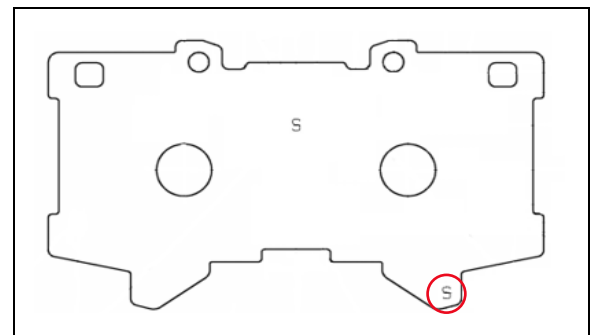


Figure 5. Outer Pad



○	Stamp
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Front Brake Squeal Noise

Repair Procedure 2 – 2WD 4Runner (continued)

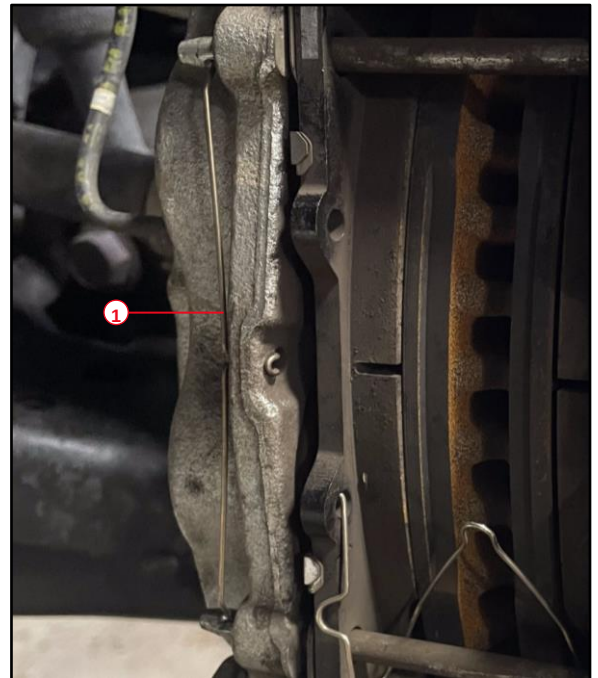
7. Install the anti-rattle kit.
 - A. Install the front disc brake anti-rattle pin with the hole (upper side).
 - B. Install the NEW brake anti-rattle spring, then install the front disc brake anti-rattle pin with the hole (lower side) as shown in Figure 14.
 - C. Install the pin hold clip to the front disc brake anti-rattle pin with the hole and engage the hook to the disc brake cylinder assembly as shown in Figure 15.
 - D. Discard the OLD brake anti-rattle spring.

Figure 14.



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 15.



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.

Repair Procedure 3 – 2WD 4Runner (Disc Only)

1. Confirm the condition exists.

Is the vehicle a 2WD 4Runner already equipped with countermeasure brake pads, shim kit and fitting kit, and 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.

NOTE

If the 2WD 4Runner is already equipped with the countermeasure pad, shim kit, and fitting kit, replace the disc rotor ONLY. Replacement of the pad, shim kit, and fitting kit is not necessary.

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 3 – 2WD 4Runner (Disc Only) (continue)

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

Does the rotor have a green dot on the hat?

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

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

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

Figure 16. New Rotor With Green Dot



1

Green Dot

4. Re-Install the existing shim kit, brake pad kit, and fitting kit.
Refer to TIS, applicable model and model year Repair Manual:
 - [2025 – 2026](#) 4Runner:
Brake – Brake (Front) – Front Brake – Installation
5. 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
6. Test-drive the vehicle and brake at low speeds driving forward and in reverse to confirm the condition is no longer present.