

May 10, 2024

Version 9

Front and/or Rear Brakes Squeal when Applied at Low Speeds

Supersedes 19-053, dated April 2, 2024 to update the information.

AFFECTED VEHICLES

Year	Model	Trim Level	VIN Range
2019–23	RDX	ALL	ALL
2024	RDX	ALL	5J8TC2...RL000001 thru 5J8TC2...RL000060

REVISION SUMMARY

This service bulletin has been revised extensively. American Honda recommends you read this bulletin in its entirety.

SYMPTOM

The front and/or rear brakes make a high-pitched squeal when the brakes are lightly applied at **15 mph** or less, with ambient temperatures below **50° F**.

NOTE:

- The front brakes stop squealing when they are warmed up.
- Rear brake squeal may occur when applying the brakes while the vehicle is moving in reverse.

POSSIBLE CAUSE

- *Front Brakes:* The brake damping force of applied shims is insufficient at colder temperatures.
- *Rear Brakes:* Insufficient dampening between the rear brake pads and shims.

CORRECTIVE ACTION

Squeal from the front brakes:

- Replace the front brake pad **shims only**.

Squeal from the rear brakes:

- Replace the rear brake pads, rear brake discs, and shims.

Squeal from both front and rear brakes:

- Replace the front brake pad **shims only**.
- Replace the rear brake pads, rear brake discs, and shims.

CLIENT INFORMATION: The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by “do-it-yourselfers,” and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Acura automobile dealer.

PARTS INFORMATION

Part Name	Part Number	Quantity
Front Brake Shim Kit ONLY (No Pads) (includes ATE Plastilube paste)	45011-TJB-305	1
Rear Brake Pad Set (includes ATE Plastilube paste)	43022-TJB-A04	1
Rear Brake Discs	42510-TJB-A10	2

TOOL INFORMATION

Tool Name	Tool Number	Quantity
Brake Caliper Piston Compressor	07AAE-SEPA101	1

WARRANTY CLAIM INFORMATION

The normal warranty applies.

Squeal from the front brakes

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
410160	Replace ONLY the front brake pad shims.	0.6 hr	03214	04201	B29053B	45251-TJB-A02

Squeal from the rear brakes

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
411122	Replace the rear brake pads, rear brake discs, and shims.	0.7 hr	03214	04201	B29053C	42510-TJB-A10

Squeal from the front and rear brakes

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
410160	Replace ONLY the front brake pad shims.	0.6 hr	03214	04201	B29053E	42510-TJB-A10
411122	Replace the rear brake pads, rear brake discs, and shims.	0.7 hr				

Skill Level: Repair Technician

INSPECTION PROCEDURE

NOTE:

- If the remaining pad material is **5mm or less**, this Service Bulletin does not apply. Continue with normal troubleshooting.
- Based on your inspection, you may have to repair both the front and rear brakes.

Squeal from the Front Brakes

Check if you hear a high-pitch squeal with light brake application at **15 mph** or less, and the ambient temperature is below **50°F**. The squeal should go away when the brakes are warmed up after several stops.

- If the front brakes are squealing, go to REPAIR PROCEDURE to replace the front brake pad **shims only**.
- If the high-pitched squeal does not meet the described symptoms, this bulletin does not apply. Continue with normal system troubleshooting.

Squeal from the Rear Brakes

Check if you hear a high-pitch squeal with light brake application at **15 mph** or less going forward or reverse, and the ambient temperature is below **50°F**. The squeal should not go away when the brakes are warmed up after several stops.

- If the rear brakes are squealing, go to REPAIR PROCEDURE to replace the rear brake pads, rear brake discs, and shims.
- If the high-pitched squeal does not meet the described symptoms, this bulletin does not apply. Continue with normal system troubleshooting.

REPAIR PROCEDURE

NOTE: Based on your inspection, you may have to repair both the front and rear brakes.

Front Brake Pad Shims Replacement

1. Replace **ONLY** the front brake pad shims. Refer to the service information.

NOTE: Make sure to apply the ATE Plastilube paste included with the **front brake pad shim kit**.

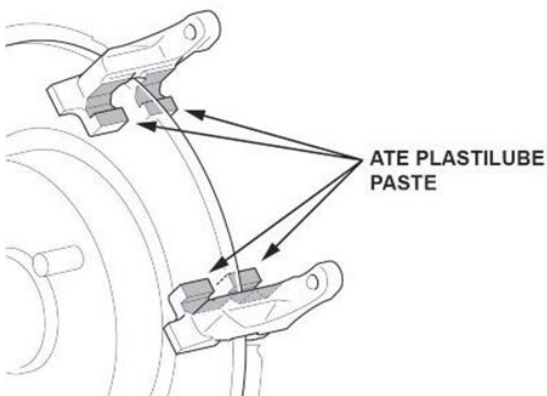
2. Make sure the brakes are cooled down, then test-drive the vehicle multiple times to make sure the squeal is gone. If the brakes still squeal, check the inspection procedure to see if the rear brake squeal symptoms apply.

Rear Brake Pad Replacement

1. Put the rear calipers in Maintenance Mode and replace the rear brake pads and the rear brake discs. Refer to the service information.

NOTE:

- Make sure to apply the ATE Plastilube paste included with the **rear brake pad set**.



2. Let the brakes cool down to ambient temperature, then test drive the vehicle multiple times to make sure the squeal is gone. If the brakes still squeal, check the inspection procedure to see if the front brake squeal symptoms apply.