

April 2, 2024

Version 8

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

Supersedes 19-053, dated February 28, 2024 to update the information highlighted in **yellow**.

AFFECTED VEHICLES

Year	Model	Trim	VIN Range
2019– 23	RDX	ALL	ALL
2024	RDX	ALL	5J8TC2H...RL000001 thru 5J8TC2H...RL000060

REVISION SUMMARY

Under AFFECTED VEHICLES, new years and models were added.

SYMPTOM

The front and/or rear brakes make a high-pitched squeal when lightly applied at **15 mph** or less.

NOTE: The front brakes stop squealing when they are warmed up.

PROBABLE CAUSE

- *Front Brakes:* The brake damping force of applied shims is insufficient at colder temperature.
- *Rear Brakes:* There is not enough 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 and shims.
- *Squeal from both front and rear brakes:*
 - Replace the front brake pad **shims only**.
 - Replace the rear brake pads 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)	45011-TJB-305	1
Rear Brake Pad Set (includes ATE Plastilube paste)	43022-TJB-A04	1

TOOL INFORMATION

Part Name	Part 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
411150	Replace the rear brake pads and shims.	0.7 hr	03214	04201	B29053C	43022-TJB-A02

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	43022-TJB-A02
411150	Replace the rear brake pads and shims.	0.7 hr				

Skill Level: Repair Technician

INSPECTION PROCEDURE

NOTE: 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, 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 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 M-77 assembly paste included with the **front brake pad shim kit**.

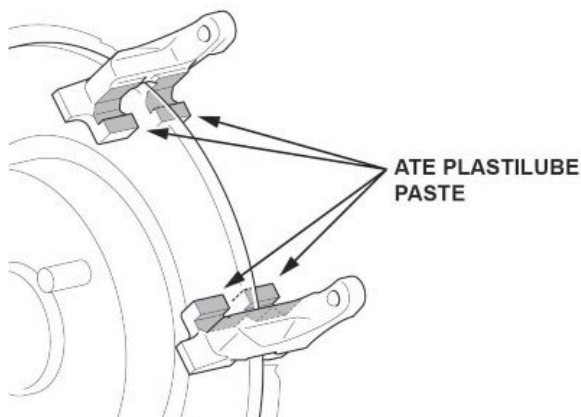
2. Make sure the brakes are cooled down, then test-drive the vehicle multiple times to make sure the squeal is gone. If the brakes still squeal, check the inspection procedure to see if the rear brake squeal symptoms apply.

Rear Brake Pad Replacement

1. Do the electric parking brake disengagement procedure and replace the rear brake pads. Refer to the service information.

NOTE:

- The 2019-20 RDX is equipped with FNC brake discs. These brake discs cannot be machined or refinished.
- 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.