

March 28, 2019

Version 1

## Front Brake Noise and/or Front Brake Judder

This bulletin replaces S/B 17-016, *Front Brake Noise (2016-17 RDX)*, and S/B 17-049, *Brake Judder (2013–18 RDX)*

### AFFECTED VEHICLES

Year	Model	Trim	VIN Range
2013-18	RDX	ALL	ALL

### SYMPTOM

The front brakes squeal when lightly applied. There may also be vibration through the steering wheel while braking.

### PROBABLE CAUSE

The squeal or vibration in the brake system is caused by uneven pad wear and low brake disc hat rigidity.

### CORRECTIVE ACTION

Replace the front brake discs and pads.

#### NOTE

If the noise is caused by normal pad wear, do not do this bulletin. Continue with normal system troubleshooting.

### PARTS INFORMATION

Part Name	Part Number	Quantity
Front Brake Discs	45251-TX4-A50	2
Front Brake Pads	45022-TX4-305	1

**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.

## TOOL INFORMATION

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

## WARRANTY CLAIM INFORMATION

The normal warranty applies.

### NOTE

If the noise is caused by normal pad wear, do not do this bulletin. Continue with normal system troubleshooting.

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
4101F6	Replace the front brake discs.	0.5 hr	00504	03217	B19009A	45251-TX4-A01
A	Replace the front brake pads.	0.2 hr				

Skill Level: Repair Technician

## INSPECTION PROCEDURE

1. Did the vehicle come in for a high-pitched brake noise?

- Yes - Go to REPAIR PROCEDURE.
- No - Go to step 2.

### NOTE

If the noise is caused by normal pad wear, this bulletin does not apply; continue with normal system troubleshooting.

2. Did the vehicle come in for judder or vibration of the steering wheel?

- Yes - Follow the procedure listed in the table below based on the vehicle and VIN.
- No - This bulletin does not apply. Continue with normal system troubleshooting.

Year/Model	Trim	VIN	Procedure
2013-15 RDX	ALL	ALL	Go to step 3.
2016 RDX	2WD	5J8TB3...GL012358 and earlier	Go to step 3.
2016 RDX	2WD	5J8TB3...GL012359 and later	Go to FNC INSPECTION.
2016 RDX	AWD	5J8TB4...GL019272 and earlier	Go to step 3.
2016 RDX	AWD	5J8TB4...GL019273 and later	Go to FNC INSPECTION.
2017-18 RDX	ALL	ALL	If the vehicle came in for judder, this bulletin does not apply. Continue with normal system troubleshooting.

3. With the vehicle on a lift, remove both front wheels.

4. Inspect the supplier's manufacturing date code on the brake discs.

- If the brake disc hat stamping date is **May 27, 2015 or later**, and the casting core number in the vent slots is 11 or greater, this bulletin does not apply. Continue with normal system troubleshooting.
- If the brake disc hat stamping date is earlier than **May 27, 2015** or the casting core number is less than 11, go to REPAIR PROCEDURE.

**NOTE**

The brake disc hat stamping date may be listed as a Julian date. A Julian date refers to a date that is a combination of the current year and the number of days since the beginning of the year. In which case, May 27, 2015 will be 15147.

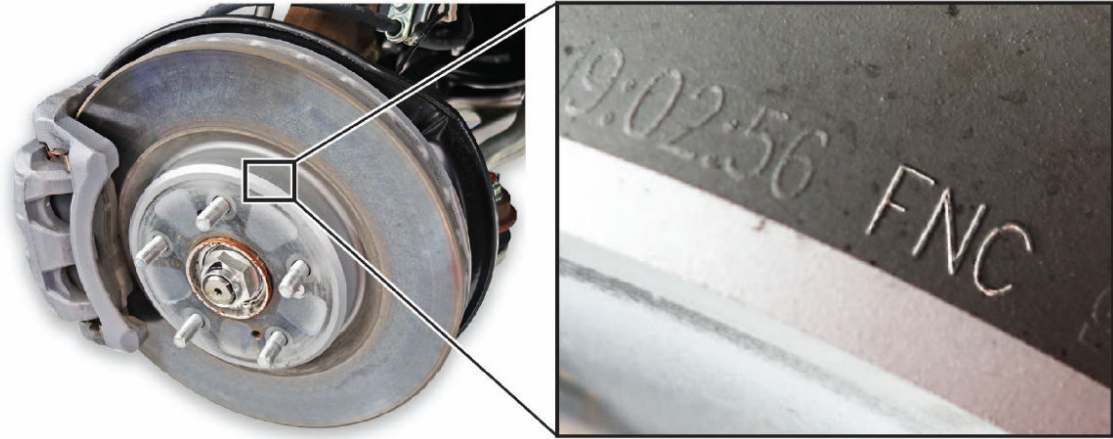


## FNC INSPECTION

### NOTE

If the noise is caused by normal pad wear, do not do this bulletin. Continue with normal system troubleshooting.

1. With the vehicle on a lift, remove both front wheels.
2. Check if the vehicle has FNC rotors.



### NOTE

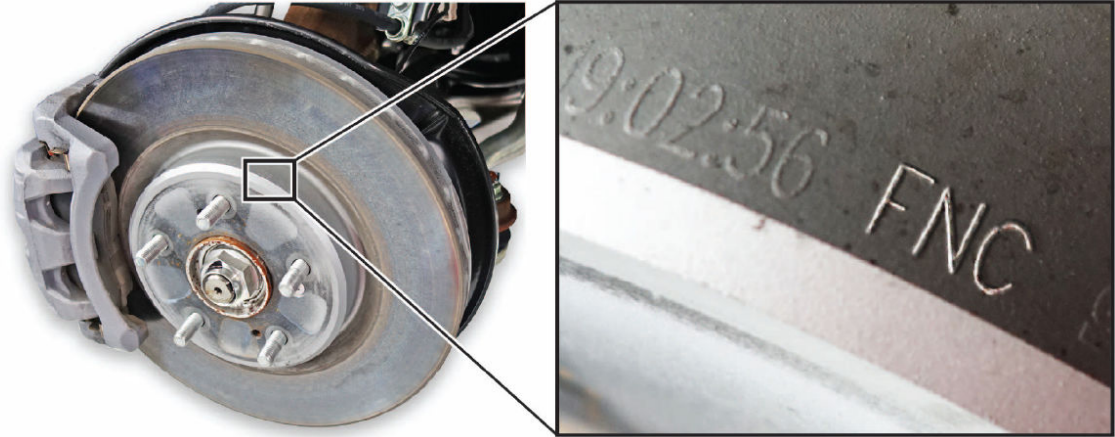
- Keep in mind replacement front discs now come with Ferritic Nitrocarburizing (FNC) surface treatment, which increases surface hardness and corrosion resistance. These discs can not be refinished and must always be replaced when out of specification.
3. Does the vehicle have FNC brake discs?
    - Yes - This bulletin does not apply. Continue with normal system troubleshooting.
    - No - Go to REPAIR PROCEDURE.

## REPAIR PROCEDURE

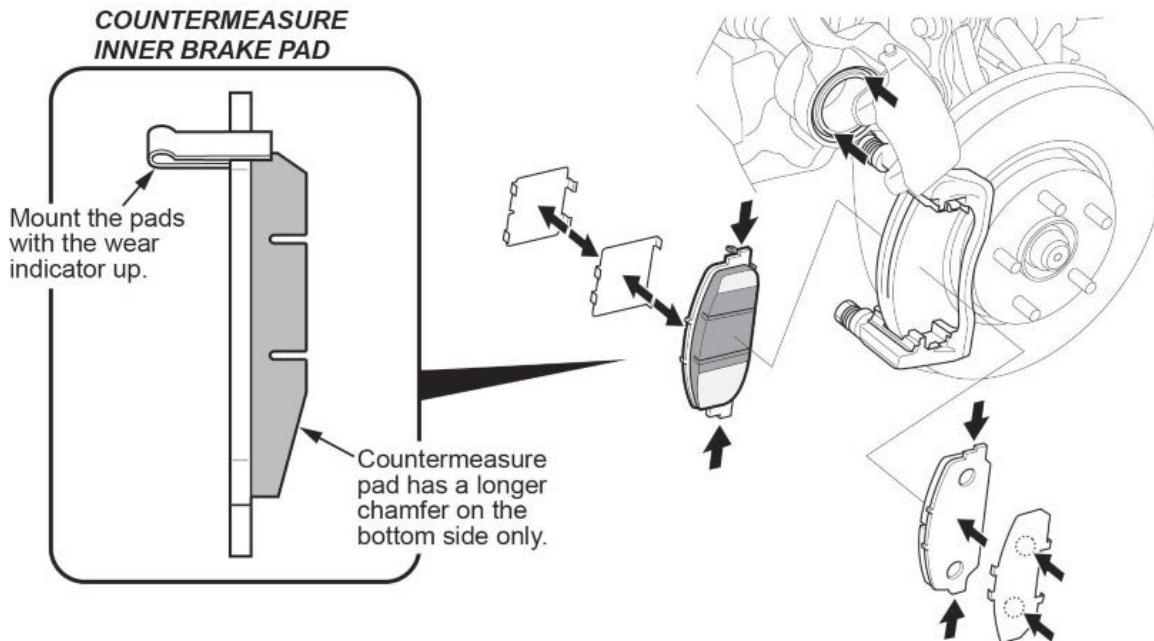
1. Replace both front brake discs and brake pads. Refer to the service information for details.

### NOTES

- Keep in mind replacement front discs now come with Ferritic Nitrocarburizing (FNC) surface treatment, which increases surface hardness and corrosion resistance. These discs can not be refinished and must always be replaced when out of specification.



- Make sure the pads are installed correctly. The chamfered inner pads have a wear indicator that should be installed in the inner position with the indicator facing up.



2. Install all removed parts in the reverse order of removal.

END