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Brakes - Clicking Noise BRAKES BR004-00

October 20, 2000

Title: BRAKE PAD CLICKING NOISE

Models: '90- '00 All Models

Introduction

A clicking type noise may be noticed when first applying the <u>brakes</u> after changing vehicle travel direction (Drive/Forward to Reverse, Reverse to Drive/Forward). This is a normal noise caused by the required <u>brake pad</u>-to-caliper clearances. When the direction of travel is changed, the brake pads may "shift" towards the new direction of travel. When the brake pad contacts the caliper, a clicking noise may be heard.

To minimize this clicking noise, a disc brake caliper grease has been made available for use during brake service/maintenance operations. Under normal usage conditions this grease should be effective for a period of 6 months to 1 year.

Applicable Vehicles

^ 1990 - 2000 model year Toyota vehicles, all models.

	PREVIOUS PART NUMBER CURRENT PART NUMBER		PART NAME		
	N/A	08887-80609	Disc Brake Caliper Grease (50 g tube)]	
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Parts Information

OP CODE	DESCRIPTION	TIME	OPN	T1	T2]
N/A	Not Applicable to Warranty	-	-	-	-	
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Warranty Information

Application Procedure

There are two types of <u>brake calipers</u>: floating and fixed. Check the type of brake caliper installed on the vehicle by removing the wheel assembly.

1. Floating Type Brake Caliper



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A. Lift up or remove the <u>brake caliper</u> and suspend it securely. **HINT** :Do not disconnect the flexible hose from the <u>brake caliper</u>.

- B. If equipped with anti-squeal spring: Remove the anti-squeal springs.
- C. Remove the <u>brake pads</u> with anti-squeal shims.
- D. Remove the pad support plates from the torque plate. Clean any dust from the pad support plates, torque plates and <u>brake pads</u>.



E. Apply a small amount of the disc brake caliper grease (1-2 mm thick) to both sides of the pad support plates. **NOTE** :Do NOT apply grease to the friction surfaces of the <u>brake pads</u> or the disc rotor.

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F. If the pad support plate is fixed to the torque plate with adhesive tape, perform the operation according to the flow chart.



- G. Apply a small amount of the disc brake caliper grease (1-2 mm thick) to the caliper as indicated in the illustration.
- H. Install the <u>brake pads</u> with the anti-squeal shims.
- I. If equipped with anti-squeal spring: Install the anti-squeal springs.
- J. Press the piston in firmly and install the brake caliper.

NOTE :

- ^ Clean excess grease. from <u>brake pad</u> and caliper.
- ^ Do NOT apply grease to the friction surfaces of the brake pads or the disc rotor.
 - K. Install the wheel assembly.
- 2. Fixed Type <u>Brake Caliper</u> There are two types of <u>brake pads</u>:



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^ Type "A": Has a projection on the upper and lower side of the <u>brake pad</u>. (See illustration.)
^ Type "B": Has a flat upper and lower edge on the <u>brake pad backing plate</u>.



Type "A" Brake Pad

- A. Remove the anti-squeal spring, clip and pad guide pin.
- B. Remove the <u>brake pads</u> with the anti-squeal shims.
- C. Clean any dust from the <u>brake pads</u>.



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D. Apply a small amount of the disc brake caliper grease (1-2 mm thick) to the areas indicated in the illustration. **NOTE** :Do NOT apply grease to the friction surfaces of the <u>brake pads</u> or the disc rotor.

E. Install the <u>brake pads</u> with the anti-squeal shims.

NOTE :Clean excess grease from the <u>brake pads</u> and caliper.

- F. Install the pad guide pin, clip and anti-squeal spring.
- G. Install the wheel assembly.



Type "B" Brake Pad

- A. Remove the clip, pins and anti-rattle spring/pad retainer clip.
- B. Remove the <u>brake pads</u> with the anti-squeal shims.
- C. Clean any dust from the <u>brake pads</u>.



D. Apply a small amount of the disc brake caliper grease (1-2 mm thick) to the areas indicated in the illustration. **NOTE** :Do NOT apply grease to the friction surfaces of the <u>brake pads</u> or the disc rotor.

E. Install the <u>brake pads</u> with the anti-squeal shims.

NOTE :Clean excess grease from the <u>brake pads</u> and caliper.

- F. Install the pad guide pin, clip and anti-squeal spring.
- G. Install the wheel assembly.