

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM100000002C29H
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: BRAKE (FRONT): FRONT BRAKE: INSTALLATION; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

INSTALLATION

CAUTION / NOTICE / HINT

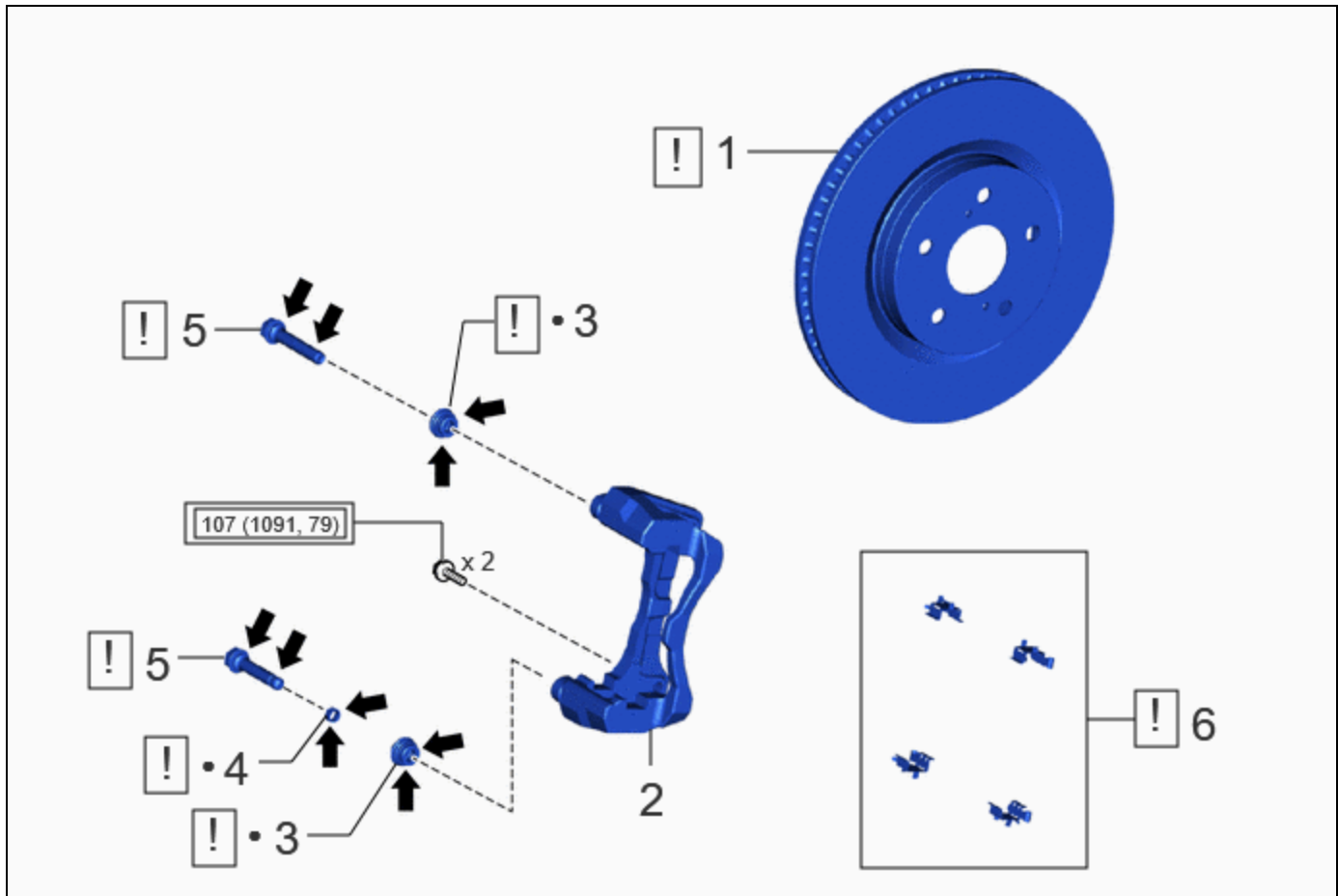
NOTICE:




- Immediately after installing the brake pads, the braking performance may be reduced. Always perform a road test in a safe place while paying attention to the surroundings.
- After replacing the front disc brake pads, the brake pedal may feel soft due to clearance between the front disc brake pads and front disc. Depress the brake pedal several times until the brake pedal feels firm.
- After replacing the front disc brake pads, always perform a road test to check the braking performance and check for vibrations.
- While the auxiliary battery is connected, even if the ignition switch is off, the brake control system activates when the brake pedal is depressed or any door courtesy switch turns on. Therefore, when servicing the brake system components, do not operate the brake pedal or open/close the doors while the auxiliary battery is connected.
- When the brake pedal is first depressed after replacing the brake pads or pushing back the disc brake piston, DTCs may be stored. As there is no malfunction, clear the DTC.



HINT:

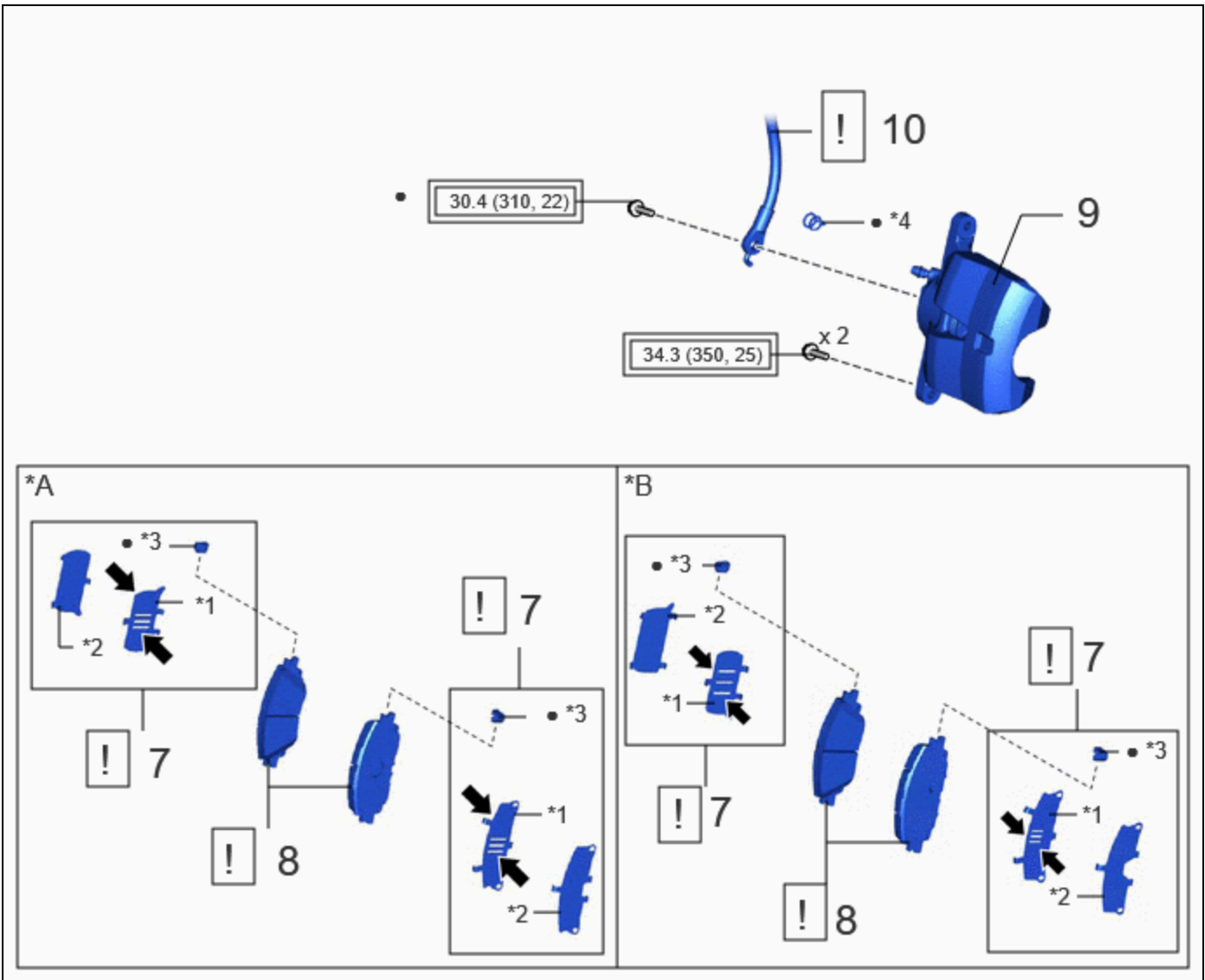
- Use the same procedure for the RH side and LH side.
- The following procedure is for the LH side.

COMPONENTS (INSTALLATION)





	PROCEDURE	PART NAME CODE			
1	FRONT DISC	43512	INFO	-	-
2	DISC BRAKE CYLINDER MOUNTING	47722	-	-	-
3	FRONT DISC BRAKE BUSHING DUST BOOT	-	INFO	-	-
4	FRONT DISC BRAKE CYLINDER SLIDE BUSHING	-	INFO	-	-
5	FRONT DISC BRAKE CYLINDER SLIDE PIN	47715A	INFO	-	-
6	FRONT DISC BRAKE PAD SUPPORT PLATE	-	INFO	-	-

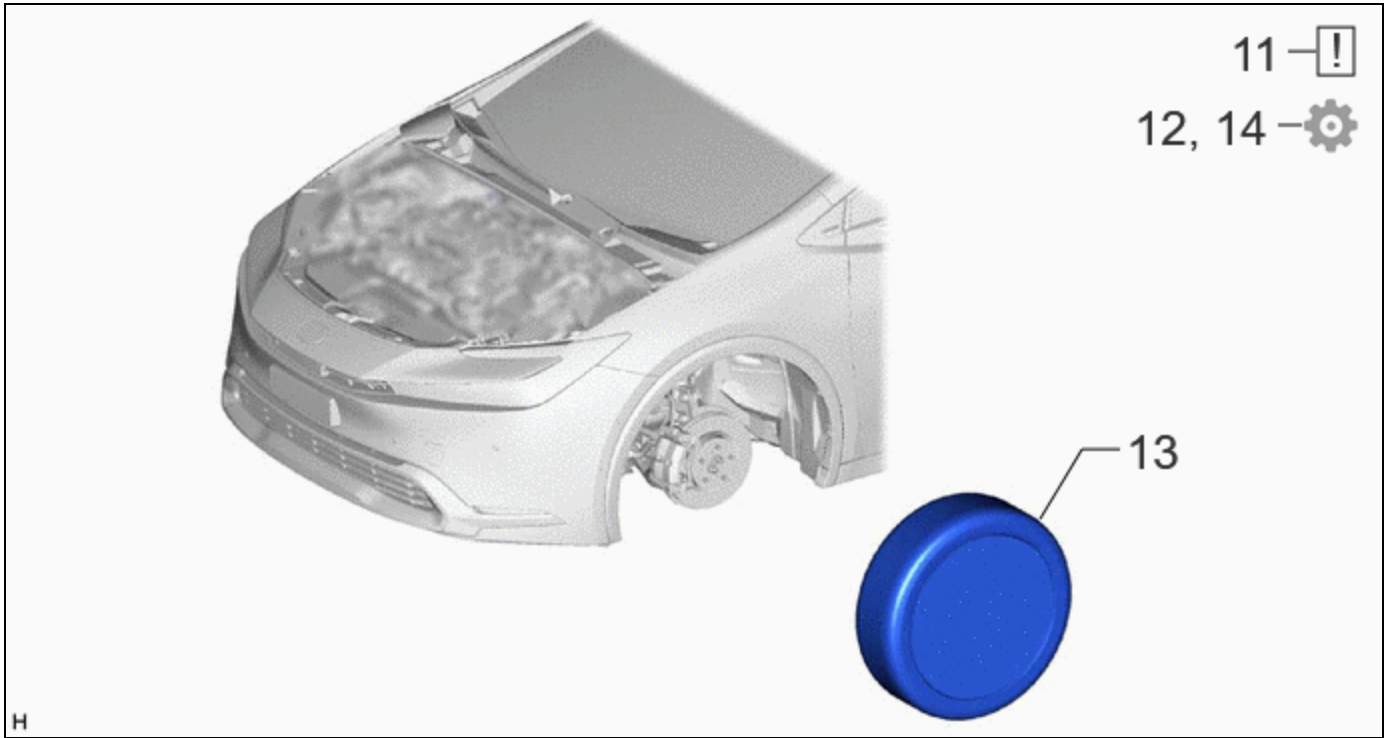
	Tightening torque for "Major areas involving basic vehicle performance such as moving/turning/stopping": N*m (kgf*cm, ft.*lbf)	•	Non-reusable part
	Lithium soap base glycol grease	-	-









PROCEDURE		PART NAME CODE			
7	FRONT DISC BRAKE ANTI-SQUEAL SHIM KIT	04945	INFO	-	-
8	FRONT DISC BRAKE PAD	-	INFO	-	-
9	FRONT DISC BRAKE CYLINDER ASSEMBLY	47750	-	-	-
10	FRONT FLEXIBLE HOSE	47313J	INFO	-	-

*A	for HEV Model AWD, PHEV Model	*B	for HEV Model 2WD
*1	FRONT NO. 1 DISC BRAKE ANTI-SQUEAL SHIM	*2	FRONT NO. 2 DISC BRAKE ANTI-SQUEAL SHIM
*3	FRONT DISC BRAKE PAD WEAR INDICATOR PLATE	*4	GASKET

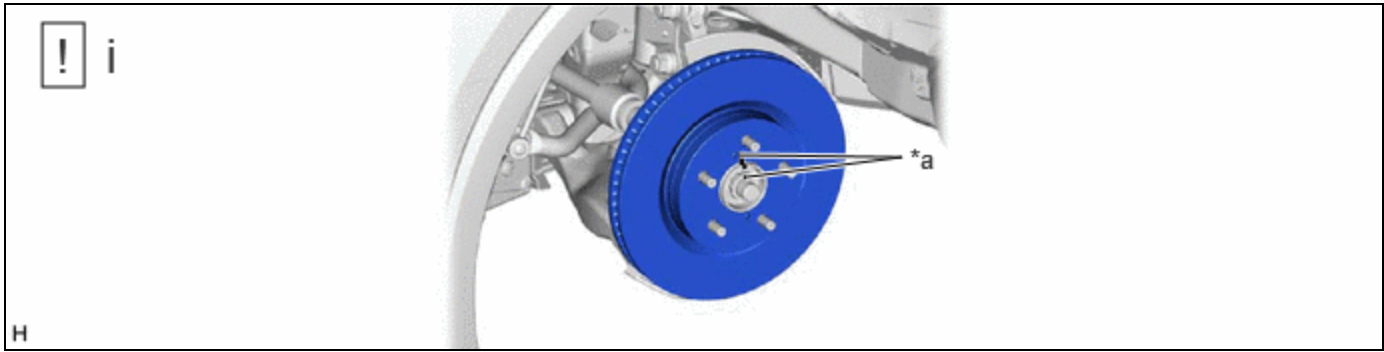
	Tightening torque for "Major areas involving basic vehicle performance such as moving/turning/stopping": N*m (kgf*cm, ft.*lbf)		<ul style="list-style-type: none"> • Non-reusable part
	Brake shim grease (Part No. 08887-80409)	-	-



PROCEDURE		PART NAME CODE			
11	CONNECT CABLE TO NEGATIVE AUXILIARY BATTERY TERMINA	-		-	-
12	BLEED BRAKE LINE	-	-	-	
13	FRONT WHEEL	-	-	-	-
14	INITIALIZATION AFTER RECONNECTING AUXILIARY BATTERY TERMINAL	-	-	-	

PROCEDURE

1. INSTALL FRONT DISC



*a	Matchmark	-	-
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(1) Align the matchmarks of the front disc and front axle hub sub-assembly, and install the front disc.

NOTICE:

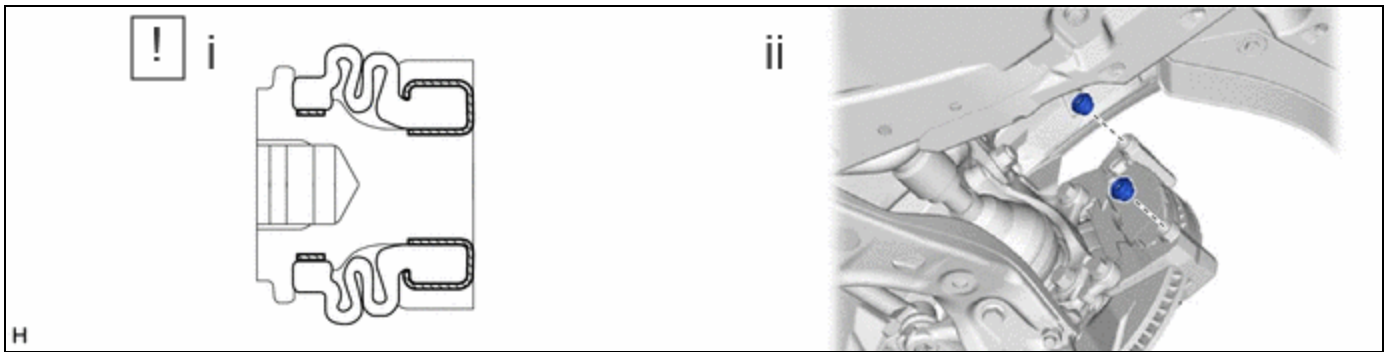
When replacing the front disc with a new one, select the installation position where the front disc has minimal runout.

2. INSTALL FRONT DISC BRAKE CYLINDER MOUNTING

Torque:

107 N·m {1091 kgf·cm, 79 ft·lbf}

3. INSTALL FRONT DISC BRAKE BUSHING DUST BOOT



	Lithium Soap Base Glycol Grease	-	-
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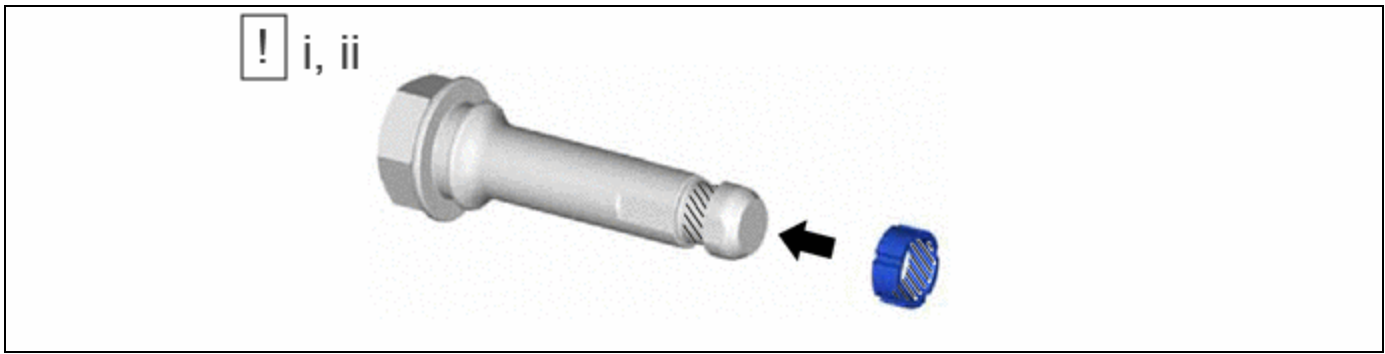
(1) Apply a light layer of lithium soap base glycol grease to the entire circumference of 2 new front disc brake bushing dust boots.

HINT:

Apply more than 0.3 g (0.01 oz) of lithium soap base glycol grease to each front disc brake bushing dust boot.

(2) Install the 2 front disc brake bushing dust boots to the front disc brake cylinder mounting.

4. INSTALL FRONT DISC BRAKE CYLINDER SLIDE BUSHING



	Lithium Soap Base Glycol Grease	-	-
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- (1) Apply a light layer of lithium soap base glycol grease to the contact surface of the front disc brake cylinder slide pin (lower side) and a new front disc brake cylinder slide bushing.
- (2) Install the front disc brake cylinder slide bushing to the front disc brake cylinder slide pin (lower side).

5. INSTALL FRONT DISC BRAKE CYLINDER SLIDE PIN



*1	Front Disc Brake Cylinder Slide Pin (Upper Side)	*2	Front Disc Brake Cylinder Slide Pin (Lower Side)
	Lithium Soap Base Glycol Grease	-	-

- (1) Apply a light layer of lithium soap base glycol grease to the sliding part and the sealing surfaces of the 2 front disc brake cylinder slide pins.
- (2) Install the 2 front disc brake cylinder slide pins to the front disc brake cylinder mounting.
- (3) Push each front disc brake cylinder slide pin into the front disc brake bushing dust boot to engage the pin to the boot.

6. INSTALL FRONT DISC BRAKE PAD SUPPORT PLATE

	<p>NOTICE:</p> <p>Be sure to install each front disc brake pad support plate in the correct position and direction.</p>
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7. INSTALL FRONT DISC BRAKE ANTI-SQUEAL SHIM KIT



Click here [INFO](#)

8. INSTALL FRONT DISC BRAKE PAD



NOTICE:

- Keep the friction surfaces of the front disc brake pads and front disc free from oil and grease.
- Install the front disc brake pad so that the front disc brake pad wear indicator plate is mounted on the upper side of the vehicle.

9. INSTALL FRONT DISC BRAKE CYLINDER ASSEMBLY

Torque:

34.3 N·m {350 kgf·cm, 25 ft·lbf}

10. CONNECT FRONT FLEXIBLE HOSE



NOTICE:

Install the front flexible hose lock securely into the lock hole in the front disc brake cylinder assembly.

Torque:

30.4 N·m {310 kgf·cm, 22 ft·lbf}

11. CONNECT CABLE TO NEGATIVE AUXILIARY BATTERY TERMINAL



Click here [INFO](#)

12. BLEED BRAKE LINE

Click here [INFO](#)

13. INSTALL FRONT WHEEL

Click here [INFO](#)

14. INITIALIZATION AFTER RECONNECTING AUXILIARY BATTERY TERMINAL

HINT:

When disconnecting and reconnecting the auxiliary battery, there is an automatic learning function that completes learning when the respective system is used.

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