

<b>Last Modified:</b> 12-04-2024	6.11:8.1.0	<b>Doc ID:</b> RM100000002BO75
<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [03/2023 - ]
<b>Title:</b> AXLE AND DIFFERENTIAL: REAR AXLE HUB (for AWD): REMOVAL; 2023 - 2024 MY Prius Prius Prime [03/2023 - ]		

## REMOVAL

### CAUTION / NOTICE / HINT

The necessary procedures (adjustment, calibration, initialization, or registration) that must be performed after parts are removed and installed, or replaced during rear axle hub and bearing assembly removal/installation are shown below.

#### **Necessary Procedures After Parts Removed/Installed/Replaced**

REPLACED PART OR PERFORMED PROCEDURE	NECESSARY PROCEDURE	EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURE NOT PERFORMED	LINK
Tires	<ul style="list-style-type: none"> <li>Initialization*1*2</li> <li>Tire Position Identification*1*2</li> </ul>	Tire Pressure Warning System	Refer to Procedures Necessary When Replacing Parts (for Tire Pressure Warning System) <a href="#">INFO</a>
	Rear television camera assembly optical axis (Back camera position setting)*3	Parking Assist Monitor System	<a href="#">INFO</a>
	Parking assist ECU initialization*3	Panoramic View Monitor System	<a href="#">INFO</a>
		Advanced Park	<a href="#">INFO</a>
<p>*1: Also necessary after performing a tire rotation.</p> <p>*2: It is not necessary to perform this procedure if the tire pressure warning valve and transmitters are installed to the same location.</p> <p>*3: The vehicle height changes because of suspension or tire replacement.</p>			

#### **HINT:**

When the cable is disconnected / reconnected to the auxiliary battery terminal, systems temporarily stop operating. However, each system has a function that completes learning the first time the system is used.

#### **Learning completes when vehicle is driven**

EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURE NOT PERFORMED	NECESSARY PROCEDURE	LINK
Front Camera System	Drive the vehicle straight ahead at 35 km/h (22 mph) or more for 5 second or more.	<a href="#">INFO</a>

#### **Learning completes when vehicle is operated normally**

EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURE NOT PERFORMED	NECESSARY PROCEDURE	LINK
Power Door Lock Control System*1 <ul style="list-style-type: none"> <li>Back door opener</li> </ul>	Perform door unlock operation with door control switch or electrical key transmitter sub-assembly switch.	INFO
Power Back Door System*2	Reset back door close position	INFO
Air Conditioning System	<b>for HEV Model:</b>  After the ignition switch is turned to ON, the servo motor standard position is recognized.  <b>for PHEV Model:</b>  After the ignition switch is turned to ON, the servo motor and expansion valve standard position is recognized.	-
*1: w/o Power Back Door System *2: w/ Power Back Door System		

## CAUTION / NOTICE / HINT

### NOTICE:

- 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.
- 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.

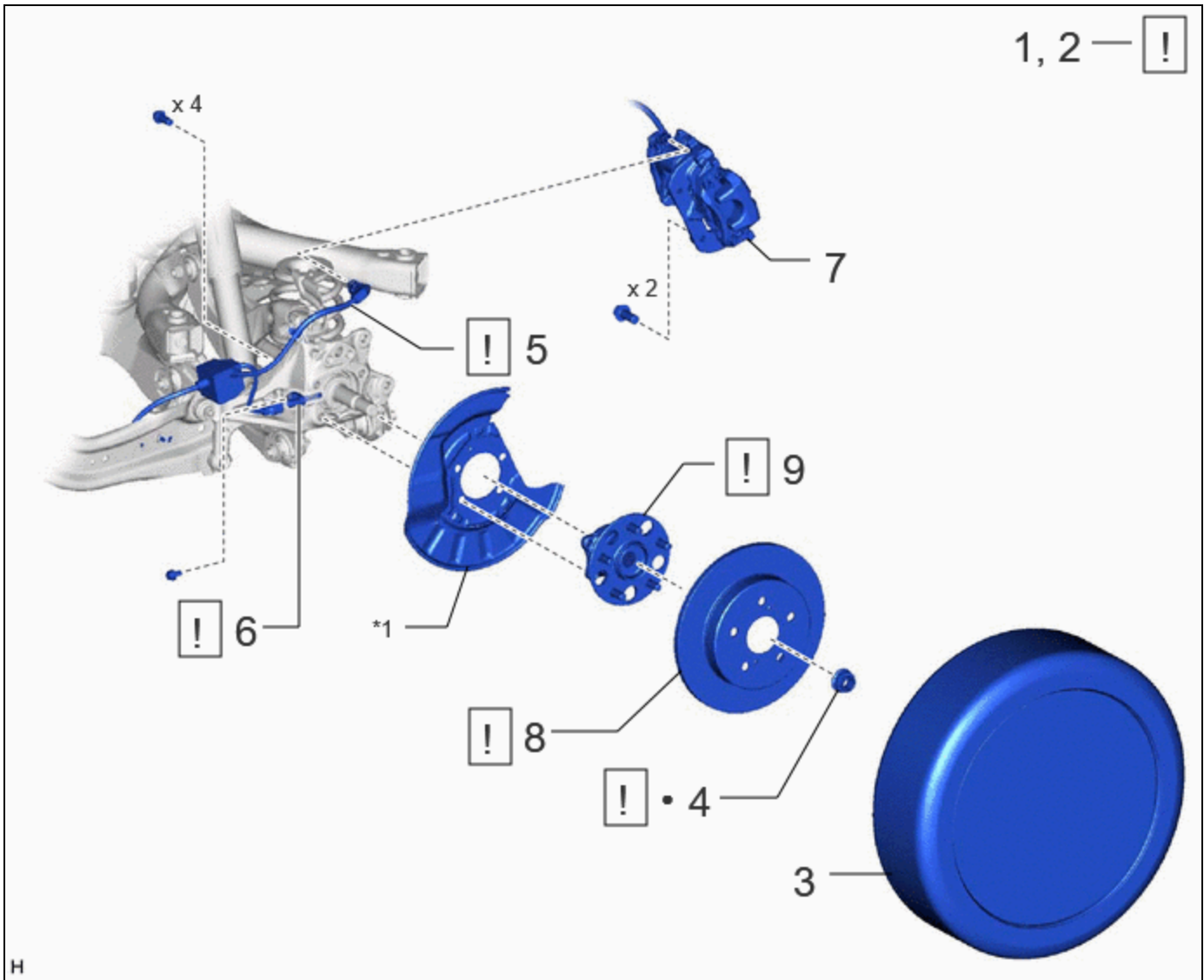
## CAUTION / NOTICE / HINT

### HINT:

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

## CAUTION / NOTICE / HINT

### COMPONENTS (REMOVAL)



PROCEDURE		PART NAME CODE	!		
1	PRECAUTION	-	INFO	-	-
2	DISABLE BRAKE CONTROL	-	INFO	-	-
3	REAR WHEEL	-	-	-	-
4	REAR AXLE SHAFT NUT	42312B	INFO	-	-
5	NO. 2 PARKING BRAKE WIRE ASSEMBLY	890C0A	INFO	-	-
6	REAR SKID CONTROL SENSOR	89544E	INFO	-	-
7	REAR DISC BRAKE CALIPER ASSEMBLY	-	INFO	-	-
8	REAR DISC	42431	-	-	-
9	REAR AXLE HUB AND BEARING ASSEMBLY	42450B	INFO	-	-

*1	REAR DISC BRAKE DUST COVER SUB-ASSEMBLY	-	-
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- Non-reusable part

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## PROCEDURE

### 1. PRECAUTION



#### NOTICE:

After the ignition switch is turned off, there may be a waiting time before disconnecting the negative (-) auxiliary battery terminal.

Click here [INFO](#)

### 2. DISABLE BRAKE CONTROL



Click here [INFO](#)

### 3. REMOVE REAR WHEEL

Click here [INFO](#)

### 4. REMOVE REAR AXLE SHAFT NUT



(1) Using SST and a hammer, release the staked part of the rear axle shaft nut.

**SST: 09930-00010**

#### NOTICE:

Loosen the staked part of the rear axle shaft nut completely, otherwise the threads of the rear drive shaft assembly may be damaged.

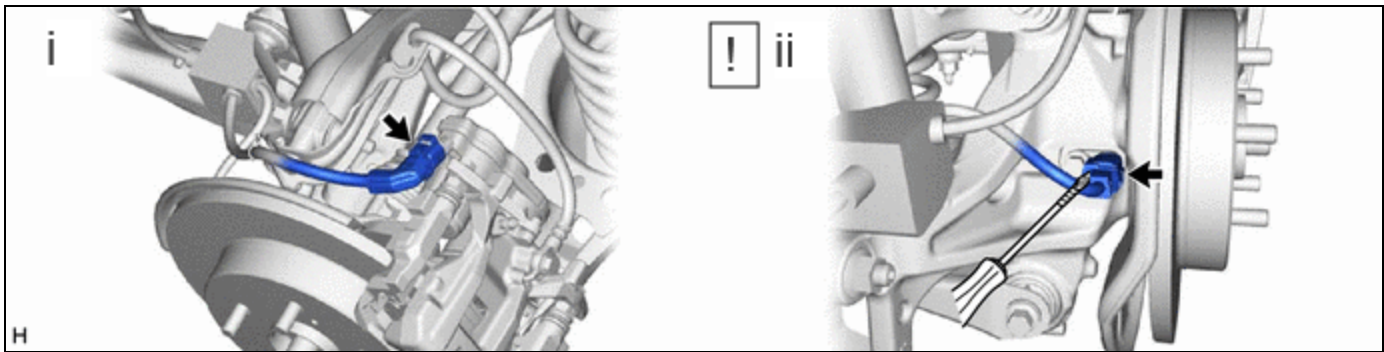
(2) While applying the brakes, remove the rear axle shaft nut.

### 5. DISCONNECT NO. 2 PARKING BRAKE WIRE ASSEMBLY



#### NOTICE:

- Remove any dirt or foreign matter on and around the No. 2 parking brake wire assembly connector before performing this step.
- Do not allow water, oil or dirt to enter the No. 2 parking brake wire assembly connector.

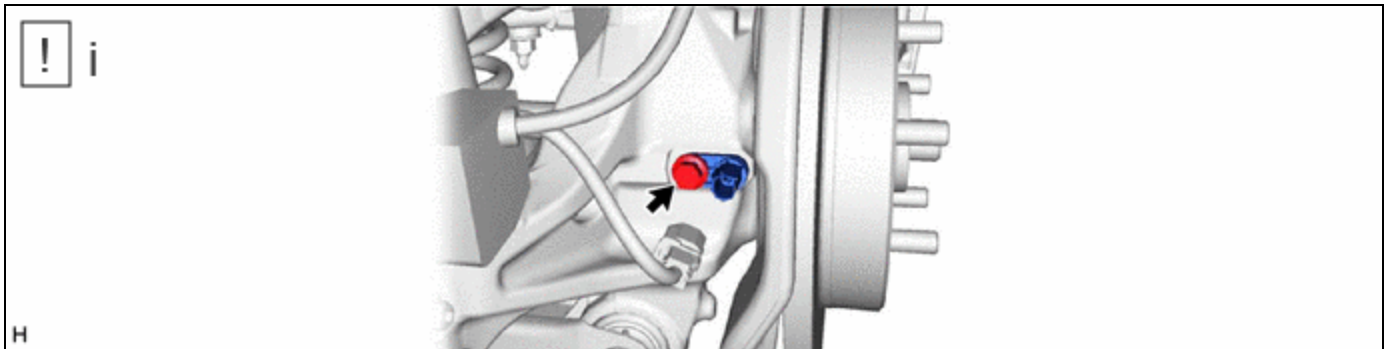


- (1) Disconnect the No. 2 parking brake wire assembly connector from the parking brake actuator assembly.
- (2) Using a screwdriver with its tip wrapped with protective tape, disconnect the No. 2 parking brake wire assembly connector from the rear skid control sensor.

**NOTICE:**

Be careful not to damage the rear skid control sensor or connector cover.

**6. REMOVE REAR SKID CONTROL SENSOR**



- (1) Remove the bolt and the rear skid control sensor from the rear axle carrier sub-assembly.


**NOTICE:**

- Keep the tip of the rear skid control sensor and installation hole free of foreign matter.
- Do not rotate or apply excessive force to the rear skid control sensor when removing it from the rear axle carrier sub-assembly. Rotating or applying excessive force may result in damage to the rear skid control sensor.

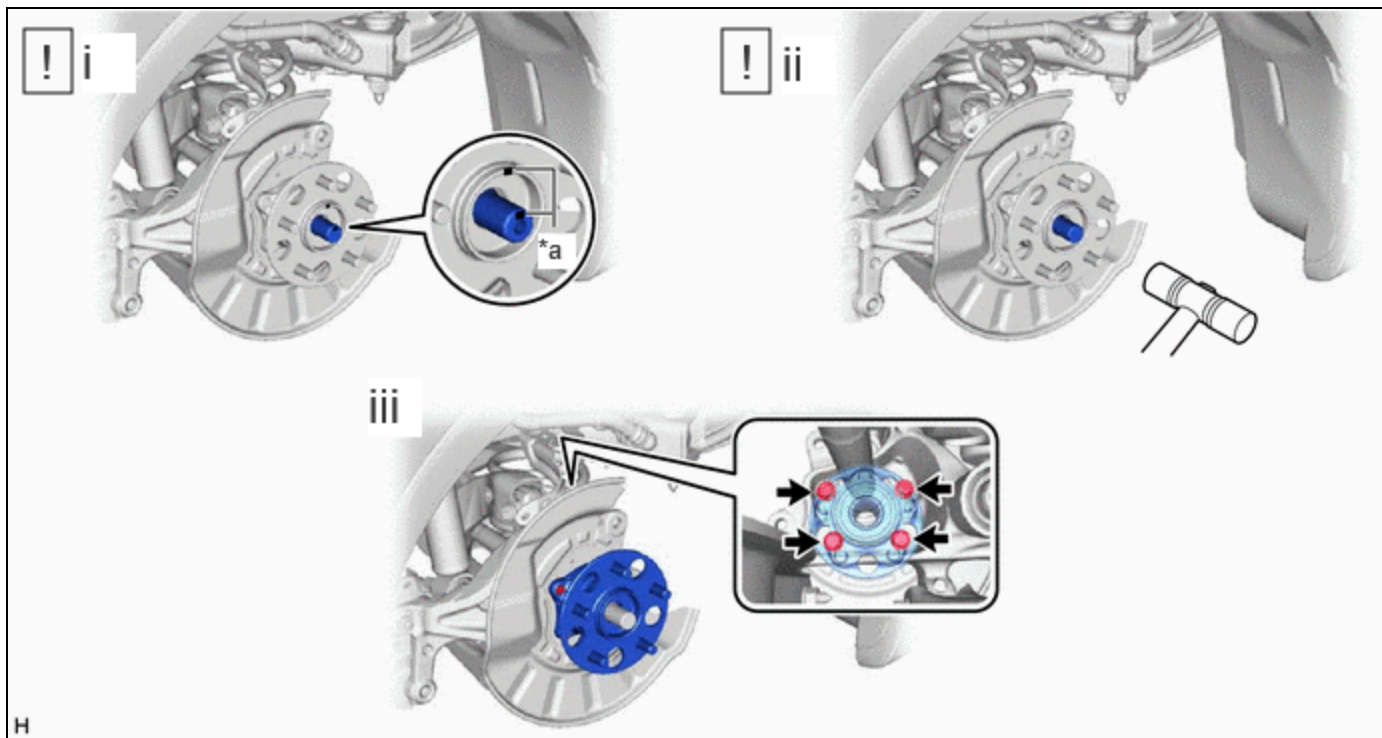
**7. SEPARATE REAR DISC BRAKE CALIPER ASSEMBLY**

Click here [INFO](#)

**8. REMOVE REAR DISC**

	Click here <a href="#">INFO</a>
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**9. REMOVE REAR AXLE HUB AND BEARING ASSEMBLY**



*a	Matchmark	-	-
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- (1) Put matchmarks on the rear drive shaft assembly and the rear axle hub and bearing assembly.
- (2) Using a plastic hammer, separate the rear drive shaft assembly from the rear axle hub and bearing assembly.

**HINT:**

If it is difficult to separate the rear drive shaft assembly rear axle hub and bearing assembly, tap the end of the rear drive shaft assembly using a brass bar and a hammer.

- (3) Remove the 4 bolts, rear axle hub and bearing assembly and rear disc brake dust cover sub-assembly from the rear axle carrier sub-assembly.

