

<b>Last Modified:</b> 12-04-2024	6.11:8.1.0	<b>Doc ID:</b> RM1000000029HIQ
<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [12/2022 - ]
<b>Title:</b> AXLE AND DIFFERENTIAL: REAR AXLE HUB (for AWD): INSTALLATION; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

## INSTALLATION

### 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.

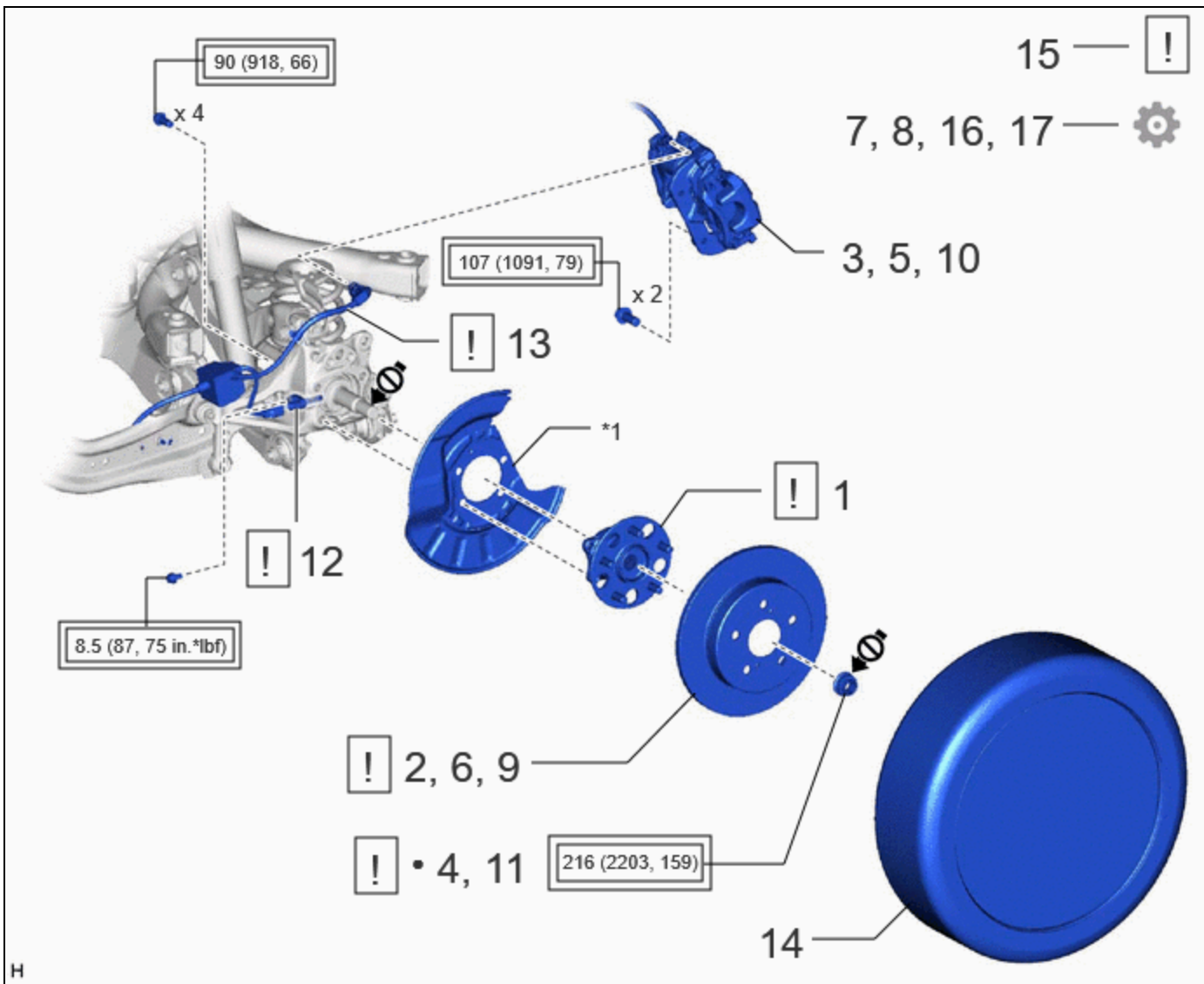
### CAUTION / NOTICE / HINT

#### **HINT:**




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



### CAUTION / NOTICE / HINT

#### **COMPONENTS (INSTALLATION)**



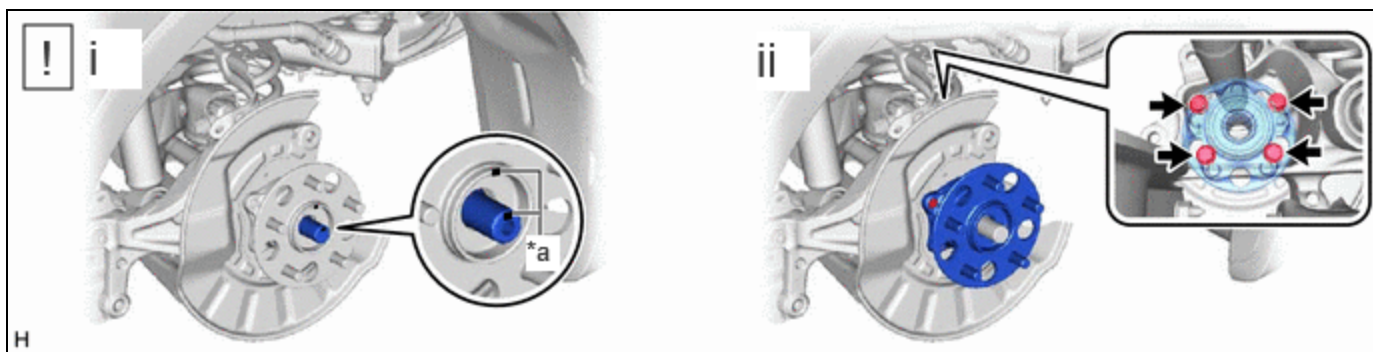
PROCEDURE		PART NAME CODE	!	📝	⚙️
1	REAR AXLE HUB AND BEARING ASSEMBLY	42450B	INFO	-	-
2	INSTALL REAR DISC	42431	INFO	-	-
3	REAR DISC BRAKE CALIPER ASSEMBLY	-	-	-	-
4	TEMPORARILY INSTALL REAR AXLE SHAFT NUT	42312B	INFO	-	-
5	REAR DISC BRAKE CALIPER ASSEMBLY	-	-	-	-
6	REMOVE REAR DISC	42431	INFO	-	-
7	INSPECT REAR AXLE HUB BEARING LOOSENESS	-	-	-	INFO
8	INSPECT REAR AXLE HUB RUNOUT	-	-	-	INFO
9	INSTALL REAR DISC	42431	INFO	-	-
10	REAR DISC BRAKE CALIPER ASSEMBLY	-	-	-	-

PROCEDURE		PART NAME CODE			
11	STAKE REAR AXLE SHAFT NUT	42312B	INFO	-	-
12	SKID CONTROL SENSOR	89544E	INFO	-	-
13	NO. 2 PARKING BRAKE WIRE ASSEMBLY	890C0A	INFO	-	-
14	REAR WHEEL	-	-	-	-
15	CONNECT CABLE TO NEGATIVE AUXILIARY BATTERY TERMINAL	-	INFO	-	-
16	INITIALIZATION AFTER RECONNECTING AUXILIARY BATTERY TERMINAL	-	-	-	INFO
17	CHECK FOR SPEED SENSOR SIGNAL	-	-	-	INFO

*1	REAR DISC BRAKE DUST COVER SUB-ASSEMBLY	-	-
	Tightening torque for "Major areas involving basic vehicle performance such as moving/turning/stopping": N*m (kgf*cm, ft.*lbf)	-	Non-reusable part
	Do not apply lubricants to the threaded parts	-	-

## PROCEDURE

### 1. INSTALL REAR AXLE HUB AND BEARING ASSEMBLY



*a	Matchmark	-	-
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(1) Install the rear axle hub and bearing assembly and rear disc brake dust cover sub-assembly to the rear drive shaft assembly.

**NOTICE:**

Align the matchmarks on the rear drive shaft assembly and rear axle hub and bearing assembly.

(2) Install the rear axle hub and bearing assembly and rear disc brake dust cover sub-assembly to the rear axle carrier sub-assembly with the 4 bolts.

**Torque:**

**90 N·m {918 kgf·cm, 66 ft·lbf}**

## 2. INSTALL REAR DISC

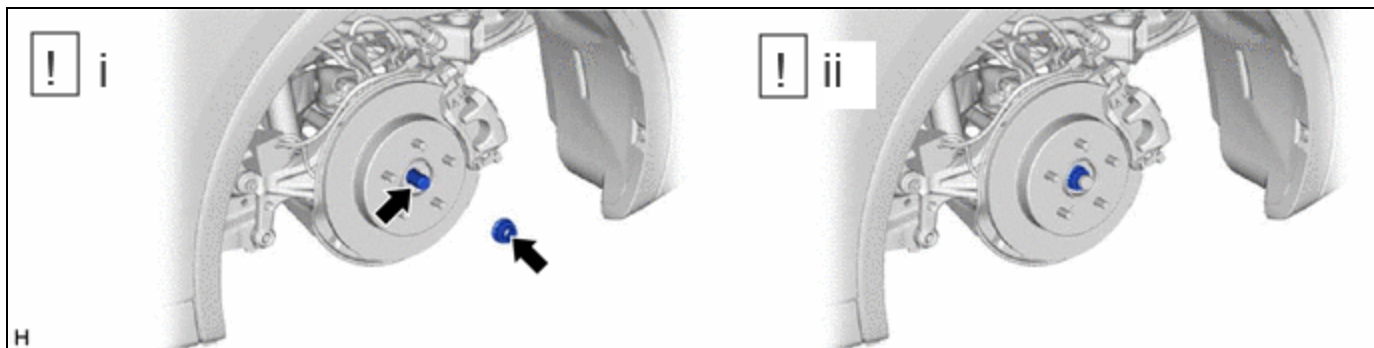


Click here [INFO](#)

## 3. INSTALL REAR DISC BRAKE CALIPER ASSEMBLY

Click here [INFO](#)

## 4. TEMPORARILY INSTALL REAR AXLE SHAFT NUT



(1) Clean the threaded parts on the rear drive shaft assembly and a new rear axle shaft nut using non-residue solvent.

### NOTICE:

- Be sure to perform this work even when using a new rear drive shaft assembly.
- Keep the threaded parts free of oil and foreign matter.

(2) Using a 30 mm deep socket wrench, temporarily install the rear axle shaft nut.

### Torque:

**216 N·m {2203 kgf·cm, 159 ft·lbf}**

### NOTICE:

Stake the rear axle shaft nut after inspecting for looseness and runout in the following steps.

### HINT:

Keep depressing the brake pedal to prevent the rear drive shaft assembly from rotating.

## 5. SEPARATE REAR DISC BRAKE CALIPER ASSEMBLY

Click here [INFO](#)

## 6. REMOVE REAR DISC



Click here [INFO](#)

## 7. INSPECT REAR AXLE HUB BEARING LOOSENESS

Click here [INFO](#)

## 8. INSPECT REAR AXLE HUB RUNOUT

Click here [INFO](#)

## 9. INSTALL REAR DISC

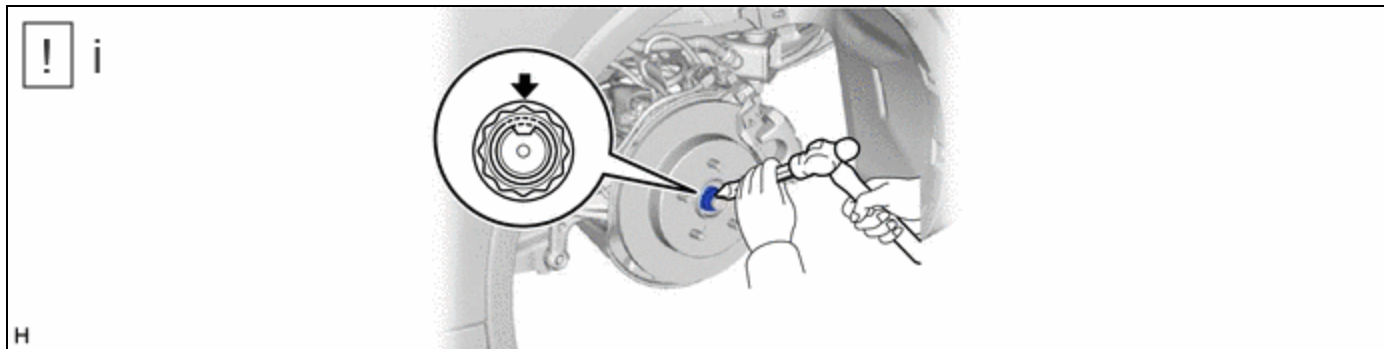


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## 10. INSTALL REAR DISC BRAKE CALIPER ASSEMBLY

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## 11. STAKE REAR AXLE SHAFT NUT



(1) Using a chisel and hammer, stake the rear axle shaft nut.

## 12. INSTALL SKID CONTROL SENSOR



### NOTICE:

- Keep the tip of the rear skid control sensor and installation hole free of foreign matter.
- Firmly insert the rear skid control sensor body into the rear axle carrier sub-assembly before tightening the bolt.
- After installing the rear skid control sensor to the rear axle carrier sub-assembly, make sure that there is no clearance between the rear skid control sensor stay and rear axle carrier sub-assembly. Also make sure that no foreign matter is stuck between the parts.

### Torque:

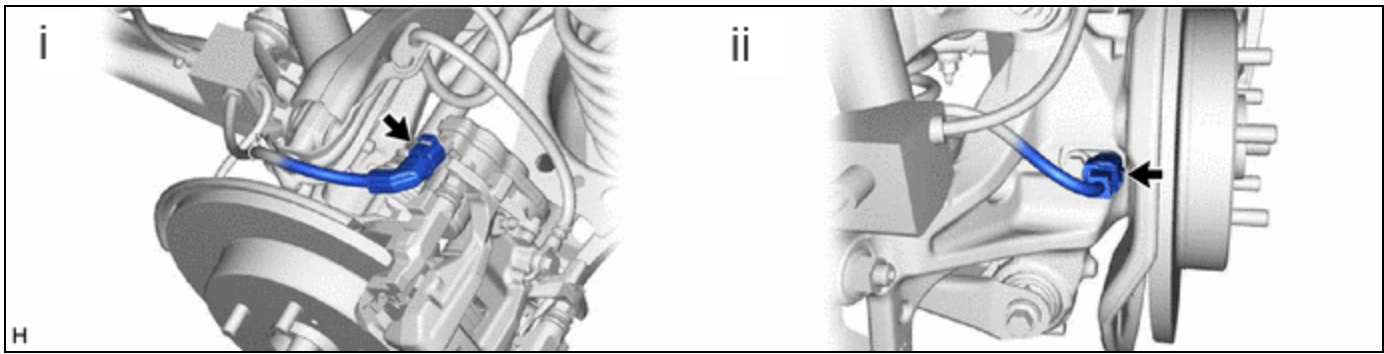
**8.5 N·m {87 kgf·cm, 75 in·lbf}**

## 13. CONNECT 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) Connect the No. 2 parking brake wire assembly connector to the parking brake actuator assembly.
- (2) Connect the No. 2 parking brake wire assembly connector to the rear skid control sensor.

#### 14. INSTALL REAR WHEEL

Click here [INFO](#)

#### 15. CONNECT CABLE TO NEGATIVE AUXILIARY BATTERY TERMINAL

	Click here <a href="#">INFO</a>
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#### 16. 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.

Click here [INFO](#)

#### 17. CHECK FOR SPEED SENSOR SIGNAL

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