

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM100000002BO6Z
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: AXLE AND DIFFERENTIAL: STEERING KNUCKLE: 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 steering knuckle 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
Front wheel alignment adjustment	Perform "Calibration"	<ul style="list-style-type: none"> DTCs are stored ABS warning light illuminates Brake system warning light (yellow indicator) illuminates Slip indicator light illuminates Electronically controlled brake system disabled or malfunctions 	INFO
Tires	<ul style="list-style-type: none"> Initialization*1*2 Tire Position Identification*1*2 	Tire Pressure Warning System	Refer to Procedures Necessary When Replacing Parts (for Tire Pressure Warning System) table below INFO
	Rear television camera assembly optical axis (Back camera position setting)	Parking Assist Monitor System	INFO
	Parking assist ECU initialization*3	Panoramic View Monitor System	INFO
		Advanced Park	INFO
<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 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.	INFO

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"> Back door opener 	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	<p>for HEV Model:</p> <p>After the ignition switch is turned to ON, the servo motor standard position is recognized.</p> <p>for PHEV Model:</p> <p>After the ignition switch is turned to ON, the servo motor and expansion valve standard position is recognized.</p>	-
*1: w/o Power Back Door System		
*2: w/ Power Back Door System		

NOTICE:

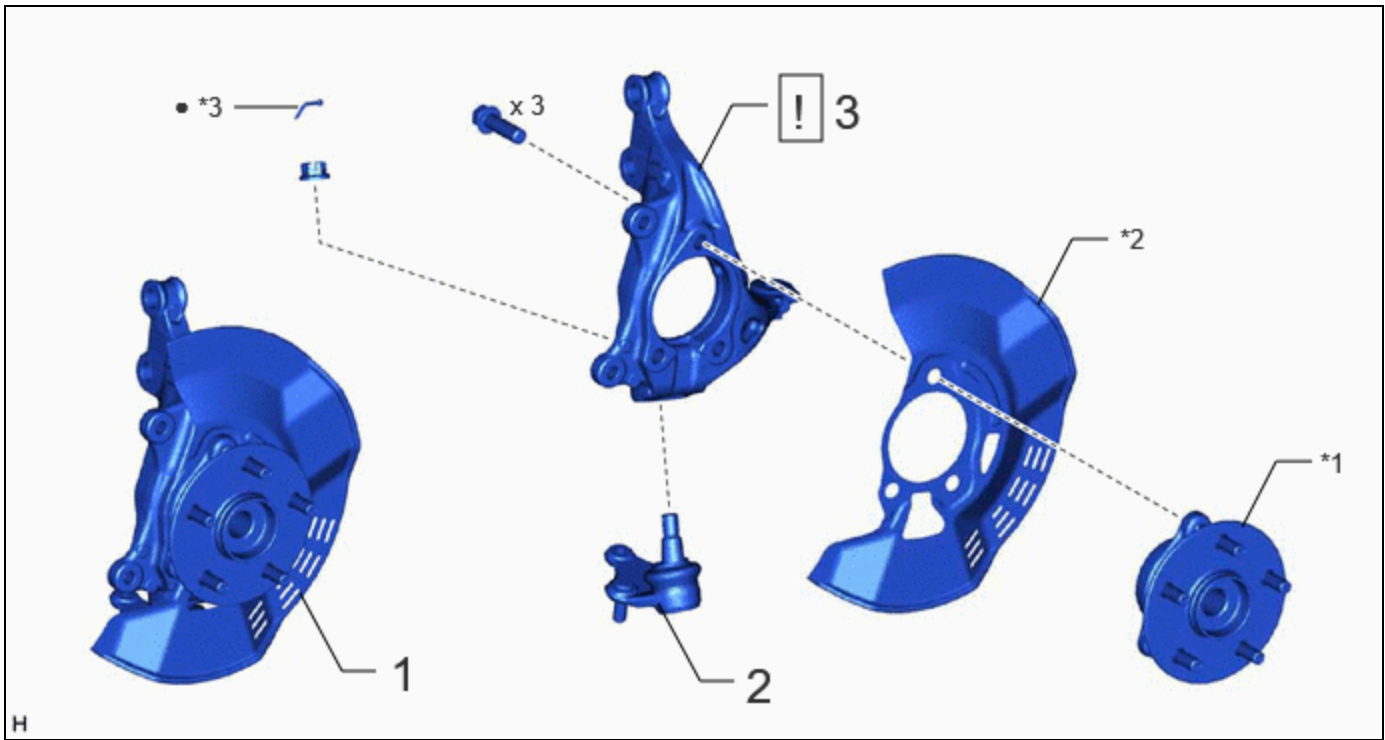
- When the brake pedal is first depressed after replacing the brake pads or pushing back the disc brake piston, DTCs may be stored. As there is no malfunction, clear the DTC.
- While the auxiliary battery is connected, even if the ignition switch is off, the brake control system activates when the brake 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.

HINT:

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

CAUTION / NOTICE / HINT

COMPONENTS (REMOVAL)



PROCEDURE		PART NAME CODE			
1	FRONT AXLE ASSEMBLY	-	-	-	-
2	FRONT LOWER BALL JOINT ASSEMBLY	43340A	-	-	-
3	STEERING KNUCKLE	43212	INFO	-	-

*1	FRONT AXLE HUB SUB-ASSEMBLY	*2	FRONT DISC BRAKE DUST COVER
*3	COTTER PIN	-	-
•	Non-reusable part	-	-

PROCEDURE

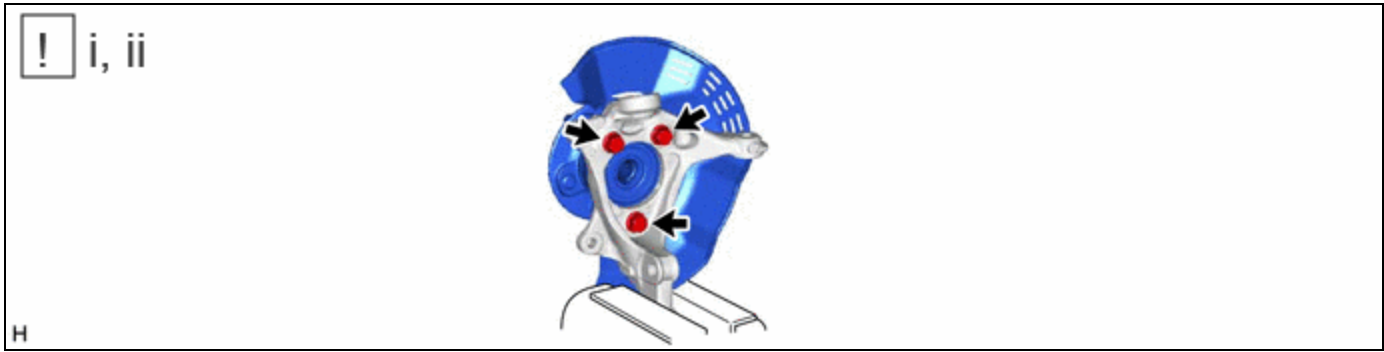
1. REMOVE FRONT AXLE ASSEMBLY

Click here [INFO](#)

2. REMOVE FRONT LOWER BALL JOINT ASSEMBLY

	Click here INFO
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3. REMOVE STEERING KNUCKLE



(1) Secure the front axle assembly between aluminum plates in a vise.

NOTICE:

Do not overtighten the vise.

(2) Remove the 3 bolts, front axle hub sub-assembly and front disc brake dust cover from the steering knuckle.

NOTICE:

- Do not drop the front axle hub sub-assembly.
- Be careful not to damage the speed sensor rotor or contact surfaces.
- Do not allow foreign matter to contact the speed sensor rotor or contact surfaces.

