

<b>Last Modified:</b> 12-04-2024	6.11:8.1.0	<b>Doc ID:</b> RM100000002BCO5
<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [03/2023 - ]
<b>Title:</b> REAR SUSPENSION: REAR SHOCK ABSORBER: 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 shock absorber 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
Rear wheel alignment adjustment	Perform "Calibration"	<ul style="list-style-type: none"> <li>DTCs are stored</li> <li>ABS warning light illuminates</li> <li>Brake system warning light (yellow indicator) illuminates</li> <li>Slip indicator light illuminates</li> <li>Electronically controlled brake system disabled or malfunctions</li> </ul>	<a href="#">INFO</a>
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>	
Suspension parts	Rear television camera assembly optical axis (Back camera position	Parking Assist Monitor System	<a href="#">INFO</a>

\*1: Also necessary after performing a tire rotation.

\*2: It is not necessary to perform this procedure if the tire pressure warning valve and transmitters are installed to the same location.

\*3: The vehicle height changes because of suspension or tire replacement.

REPLACED PART OR PERFORMED PROCEDURE	NECESSARY PROCEDURE	EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURE NOT PERFORMED	LINK
	setting)		
	Parking assist ECU initialization	Panoramic View Monitor System	<a href="#">INFO</a>
		Advanced Park	<a href="#">INFO</a>

\*1: Also necessary after performing a tire rotation.

\*2: It is not necessary to perform this procedure if the tire pressure warning valve and transmitters are installed to the same location.

\*3: The vehicle height changes because of suspension or tire replacement.

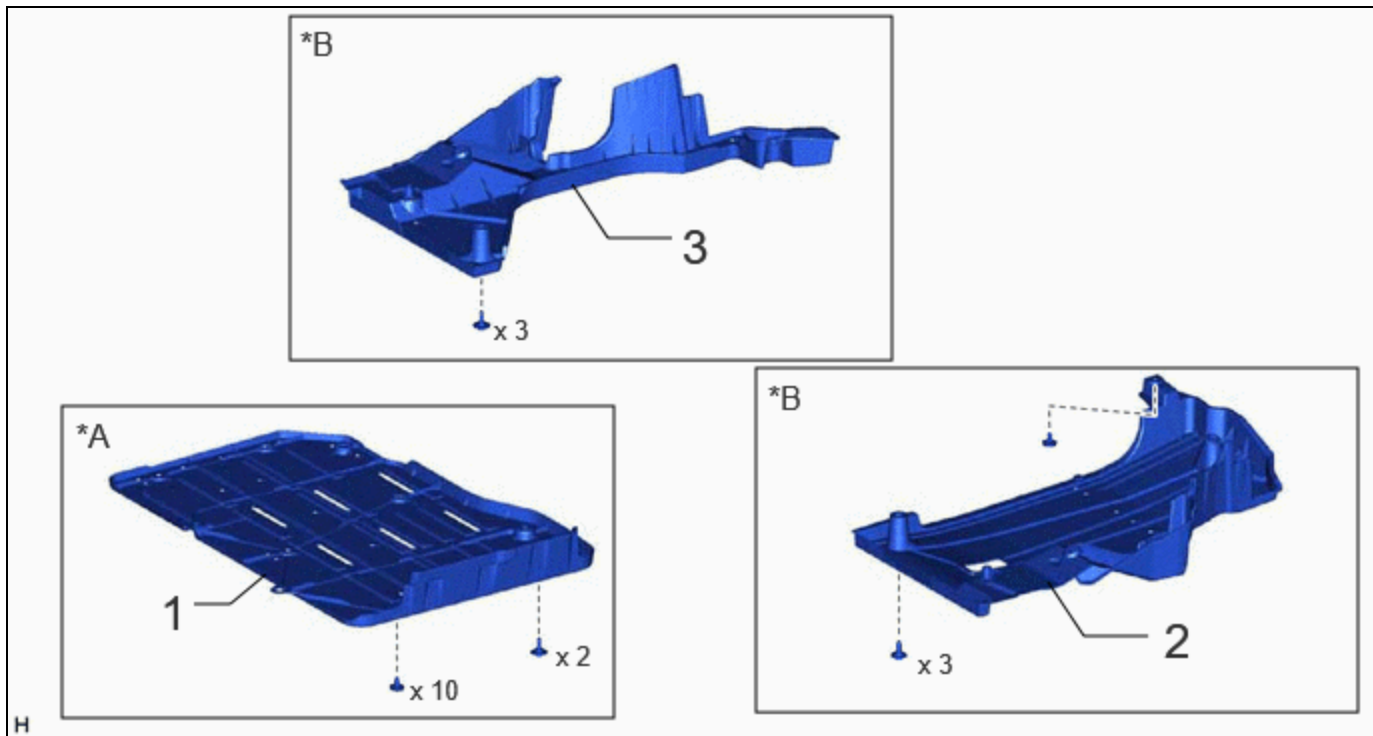
## CAUTION / NOTICE / HINT

**HINT:**




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

## CAUTION / NOTICE / HINT

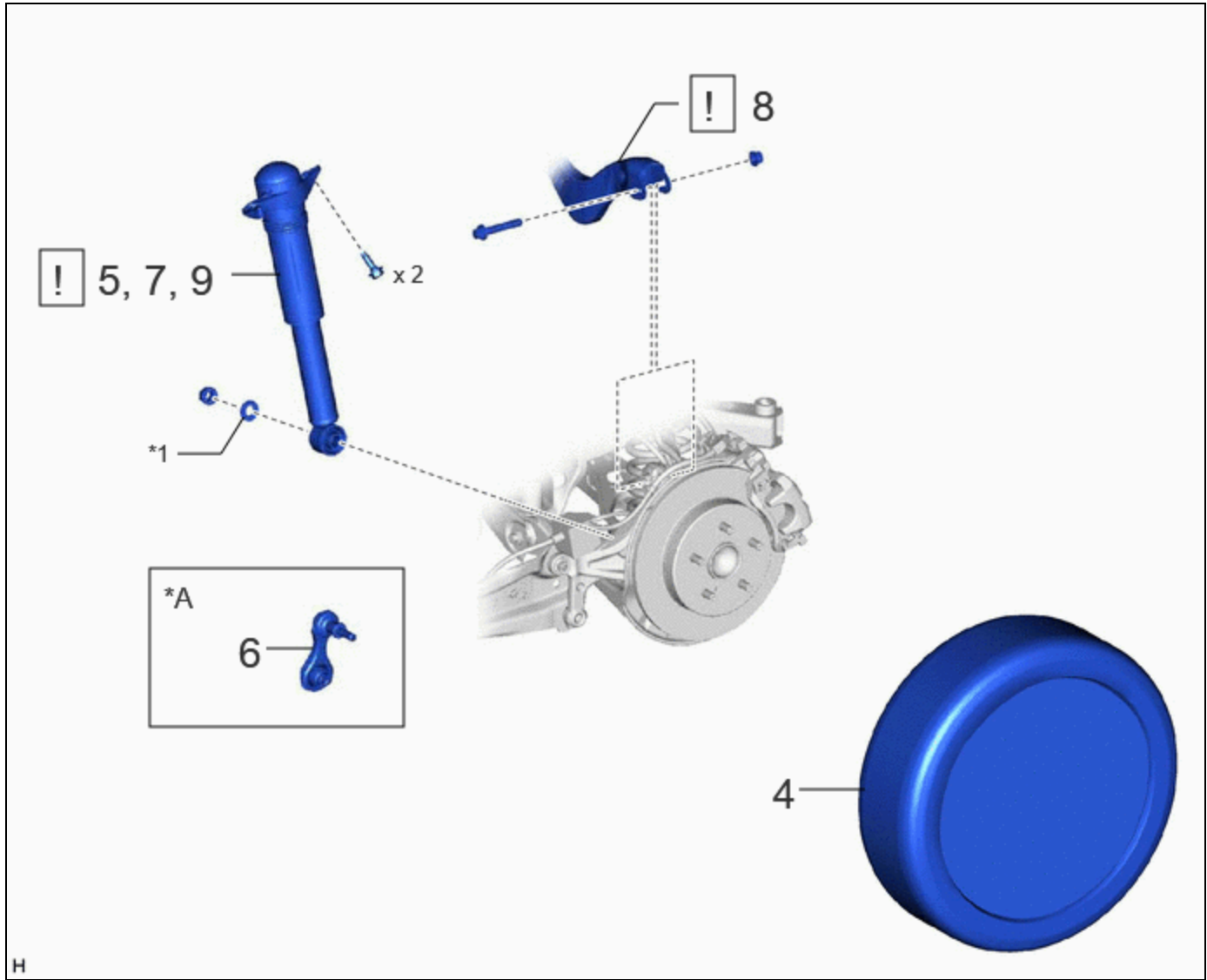
### COMPONENTS (REMOVAL)









PROCEDURE	PART NAME CODE			
1 BATTERY BOX COVER	58219K	-	-	-

	PROCEDURE	PART NAME CODE			
2	REAR FLOOR SIDE MEMBER COVER LH	57628E	-	-	-
3	REAR FLOOR SIDE MEMBER COVER RH	57627G	-	-	-

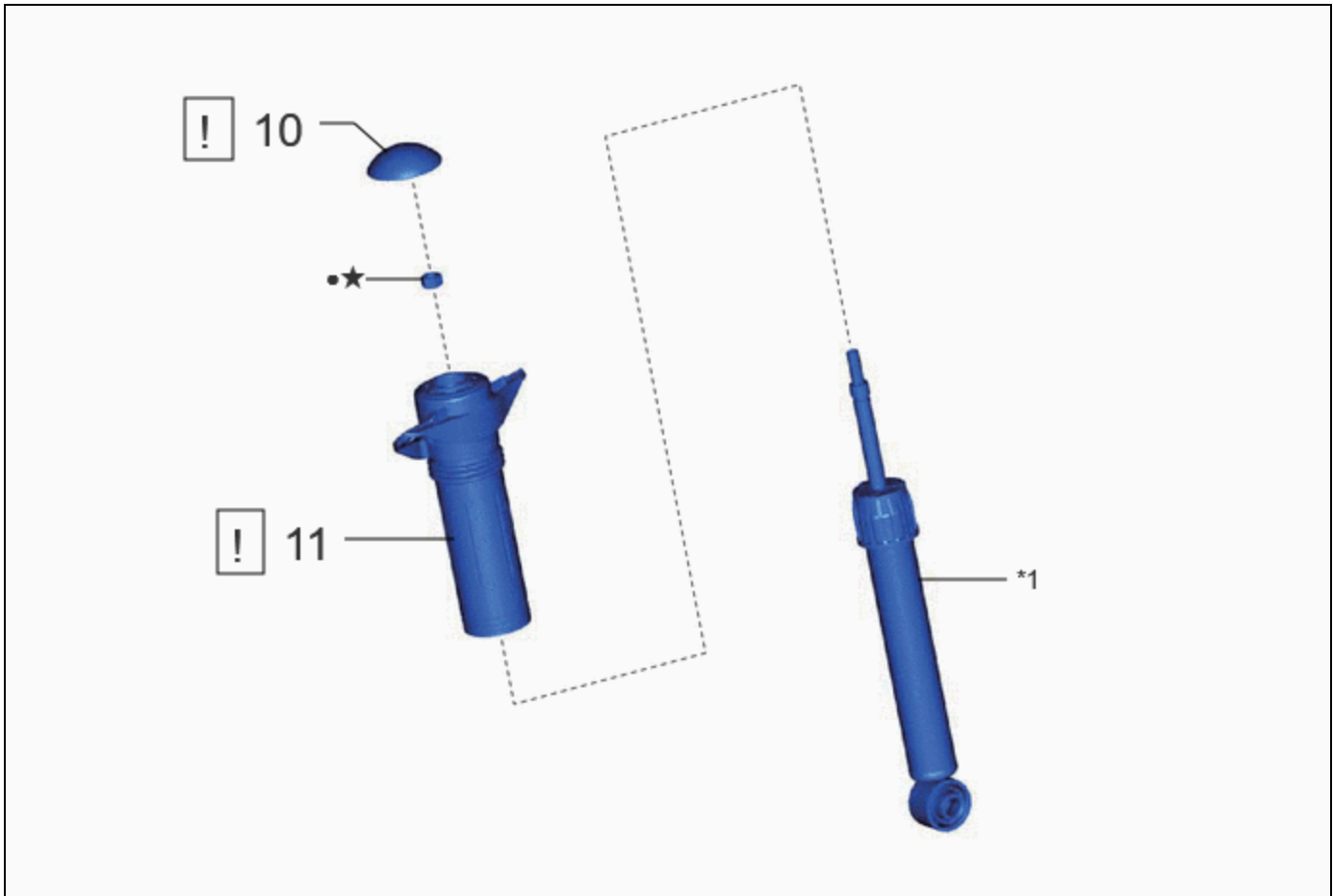
*A	for PHEV Model	*B	for HEV Model
----	----------------	----	---------------






	PROCEDURE	PART NAME CODE			
4	REAR WHEEL	-	-	-	-
5	LOOSEN REAR SHOCK ABSORBER ASSEMBLY	48540	<a href="#">INFO</a>	-	-
6	REAR STABILIZER LINK ASSEMBLY	48840A	-	-	-
7	SEPARATE REAR SHOCK ABSORBER ASSEMBLY	48540	<a href="#">INFO</a>	-	-

PROCEDURE		PART NAME CODE			
8	REAR UPPER CONTROL ARM ASSEMBLY	48790	<a href="#">INFO</a>	-	-
9	REMOVE REAR SHOCK ABSORBER ASSEMBLY	48540	<a href="#">INFO</a>	-	-

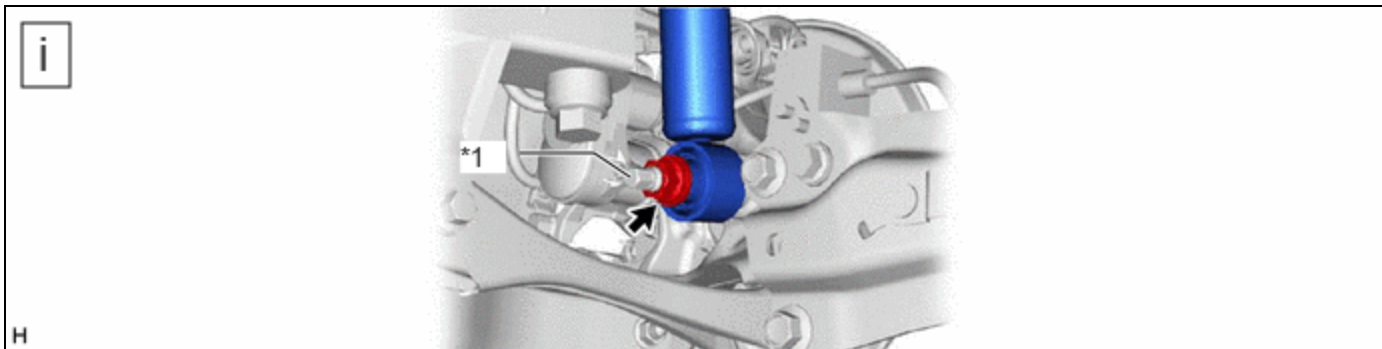
*A	w/ Stabilizer Bar	-	-
*1	PLATE WASHER	-	-



PROCEDURE		PART NAME CODE			
10	REAR SHOCK ABSORBER CAP	48554A	<a href="#">INFO</a>	-	-
11	REAR SUSPENSION SUPPORT ASSEMBLY	48760B	<a href="#">INFO</a>	-	-

*1	REAR SHOCK ABSORBER ASSEMBLY	-	-
•	Non-reusable part	★	Precoated part

## PROCEDURE

**1. REMOVE BATTERY BOX COVER (for PHEV Model)**Click here [INFO](#)**2. REMOVE REAR FLOOR SIDE MEMBER COVER LH (for HEV Model)**Click here [INFO](#)**3. REMOVE REAR FLOOR SIDE MEMBER COVER RH (for HEV Model)**Click here [INFO](#)**4. REMOVE REAR WHEEL**Click here [INFO](#)**5. LOOSEN REAR SHOCK ABSORBER ASSEMBLY**

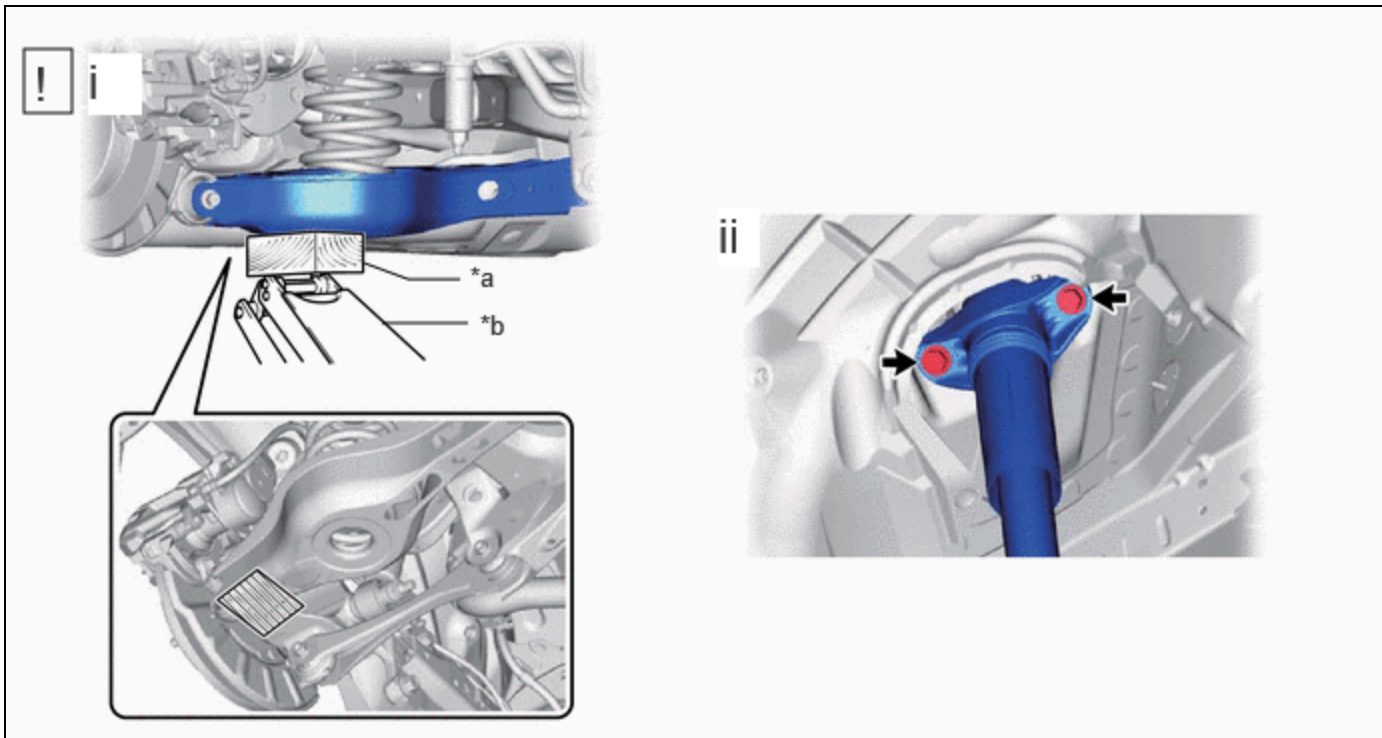
*1	Rear Axle Carrier Pin	-	-
----	-----------------------	---	---


(1) Loosen the nut of the rear shock absorber assembly.

**NOTICE:**

Hold the rear axle carrier pin while rotating the nut.

**6. REMOVE REAR STABILIZER LINK ASSEMBLY (w/ Stabilizer Bar)**Click here [INFO](#)**7. SEPARATE REAR SHOCK ABSORBER ASSEMBLY**



*a	Wooden Block	*b	Jack
	Wooden Block Placement Location	-	-

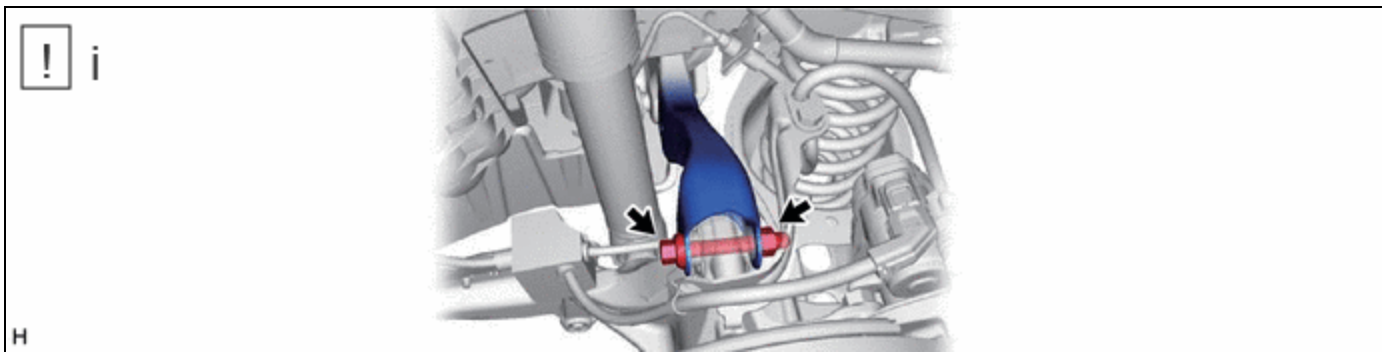
(1) Using a jack and wooden block, support the rear No. 2 suspension arm assembly.

**NOTICE:**

- When jacking up the rear No. 2 suspension arm assembly, be sure to jack it up slowly.
- Make sure to perform this operation with the vehicle kept as low as possible.

(2) Remove the 2 bolts and separate the rear shock absorber assembly from the vehicle.

**8. SEPARATE REAR UPPER CONTROL ARM ASSEMBLY**

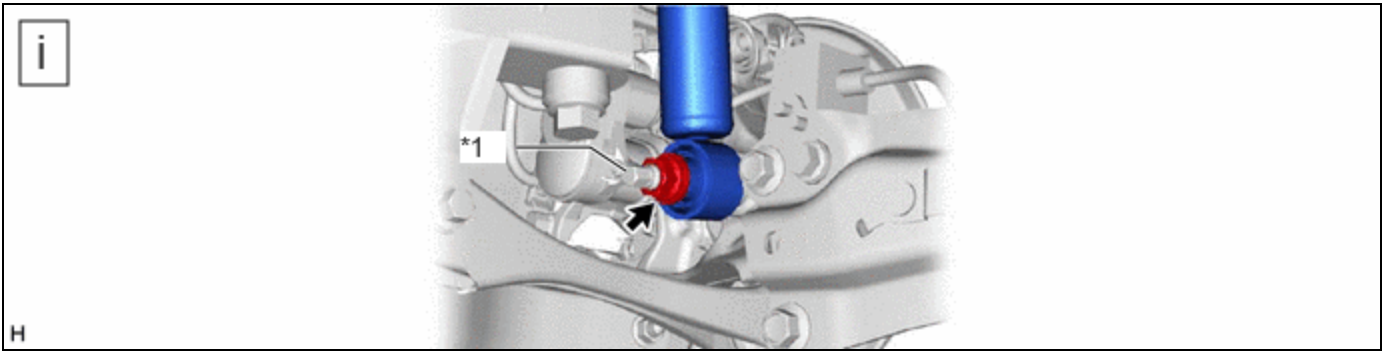


(1) Remove the bolt and nut, and separate the rear upper control arm assembly from the rear axle carrier sub-assembly.

**NOTICE:**

Because the nut has its own stopper, do not turn the nut. Loosen the bolt with the nut secured.

**9. REMOVE REAR SHOCK ABSORBER ASSEMBLY**



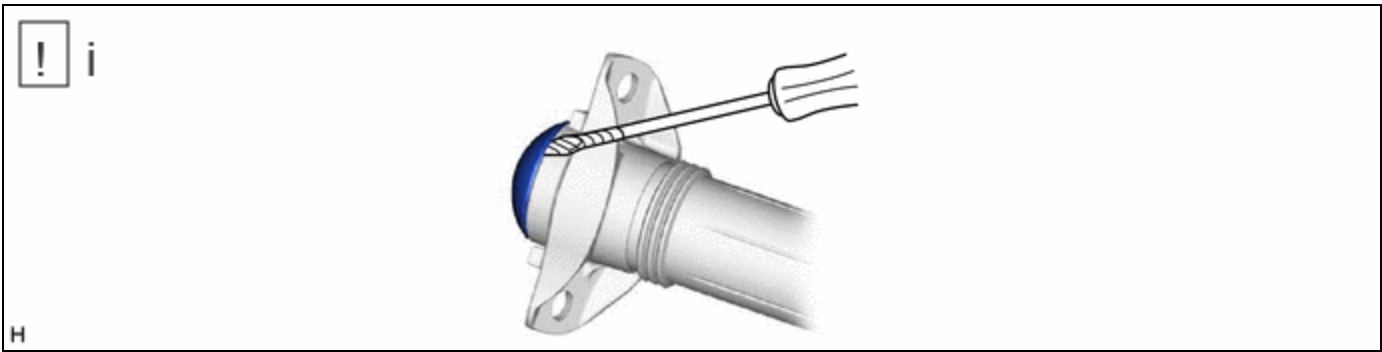
*1	Rear Axle Carrier Pin	-	-
----	-----------------------	---	---

(1) Remove the nut, plate washer and rear shock absorber assembly from the rear axle carrier sub-assembly.

**NOTICE:**

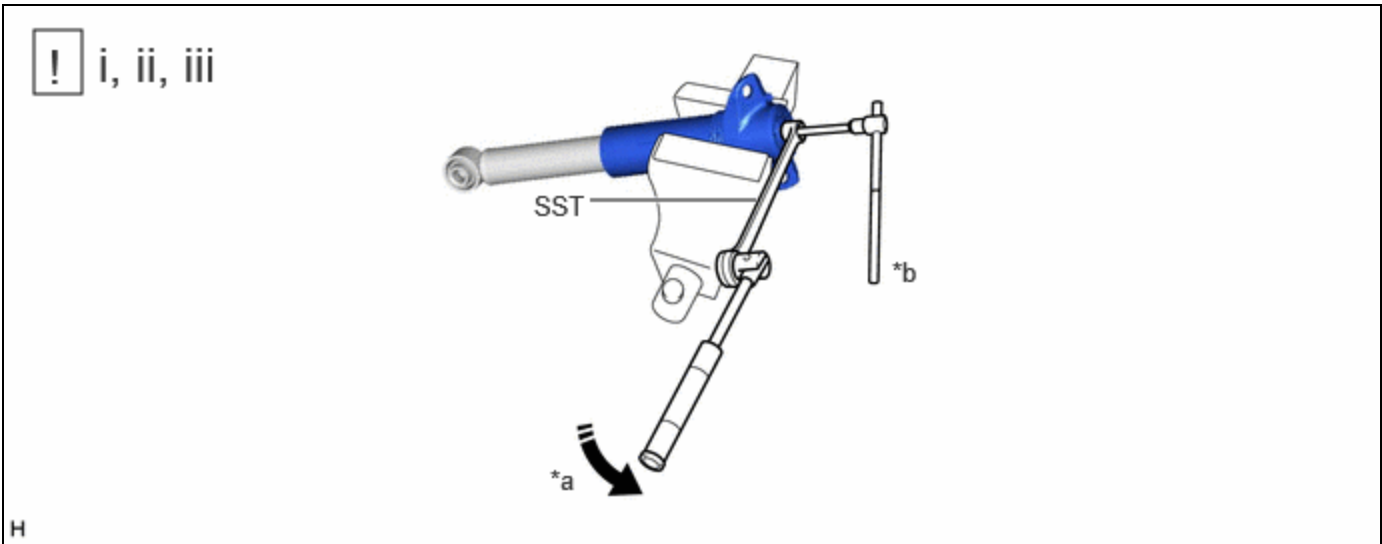
Hold the rear axle carrier pin while rotating the nut.

**10. REMOVE REAR SHOCK ABSORBER CAP**



(1) Using a screwdriver with its tip wrapped with protective tape, remove the rear shock absorber cap from the rear shock absorber assembly.

**11. REMOVE REAR SUSPENSION SUPPORT ASSEMBLY**



*a	Turn	*b	Hold
----	------	----	------

(1) Secure the rear shock absorber assembly in a vise using aluminum plates.

**NOTICE:**

Do not overtighten the vise.

- (2) Using SST and a 6 mm hexagon socket wrench, hold the rear shock absorber rod and remove the rear support to rear shock absorber nut.

**SST: 09729-00170**

- (3) Remove the rear suspension support assembly from the rear shock absorber assembly.

