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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: REAR SUSPENSION: REAR SHOCK ABSORBER: INSTALLATION; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

INSTALLATION

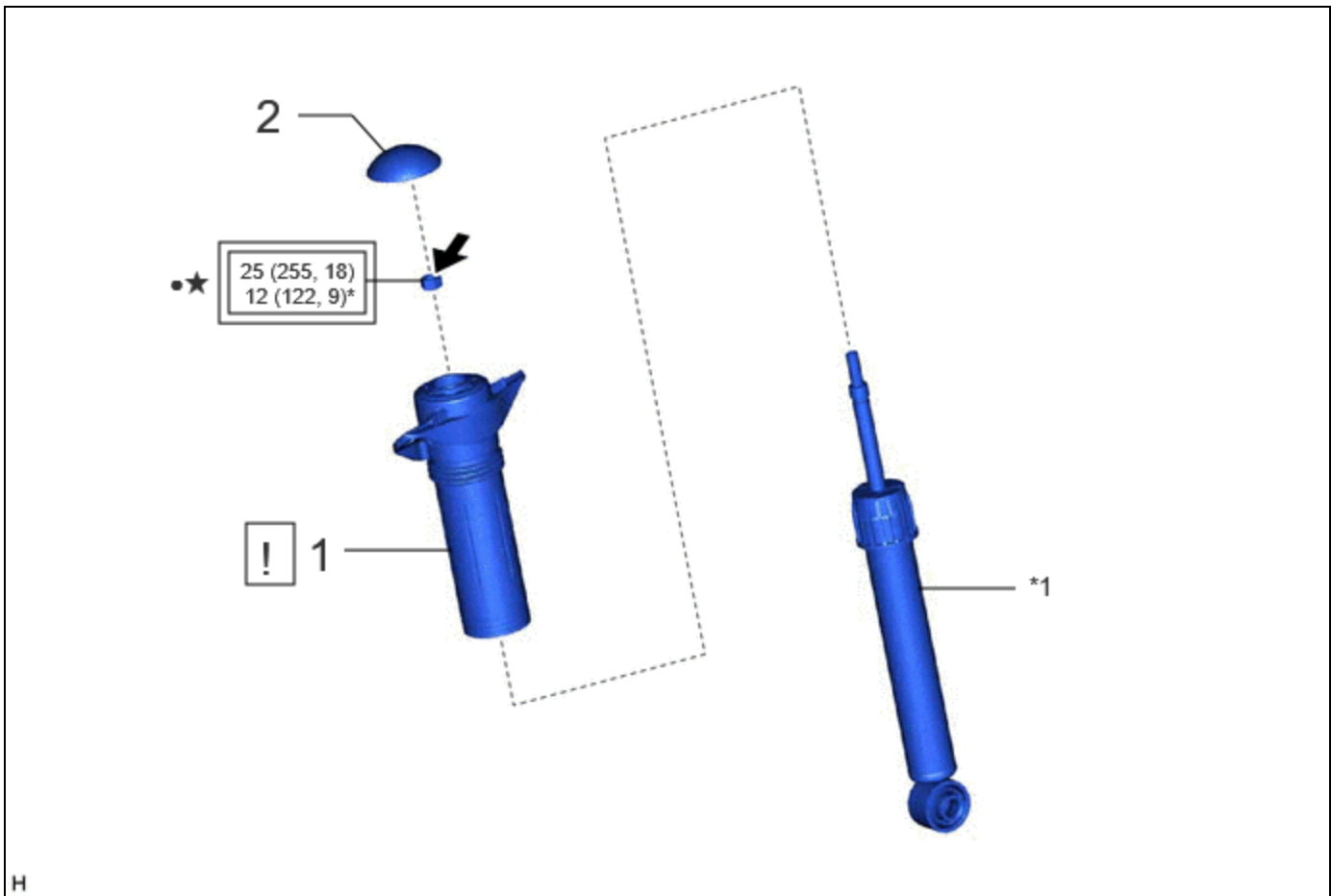
CAUTION / NOTICE / HINT

HINT:



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

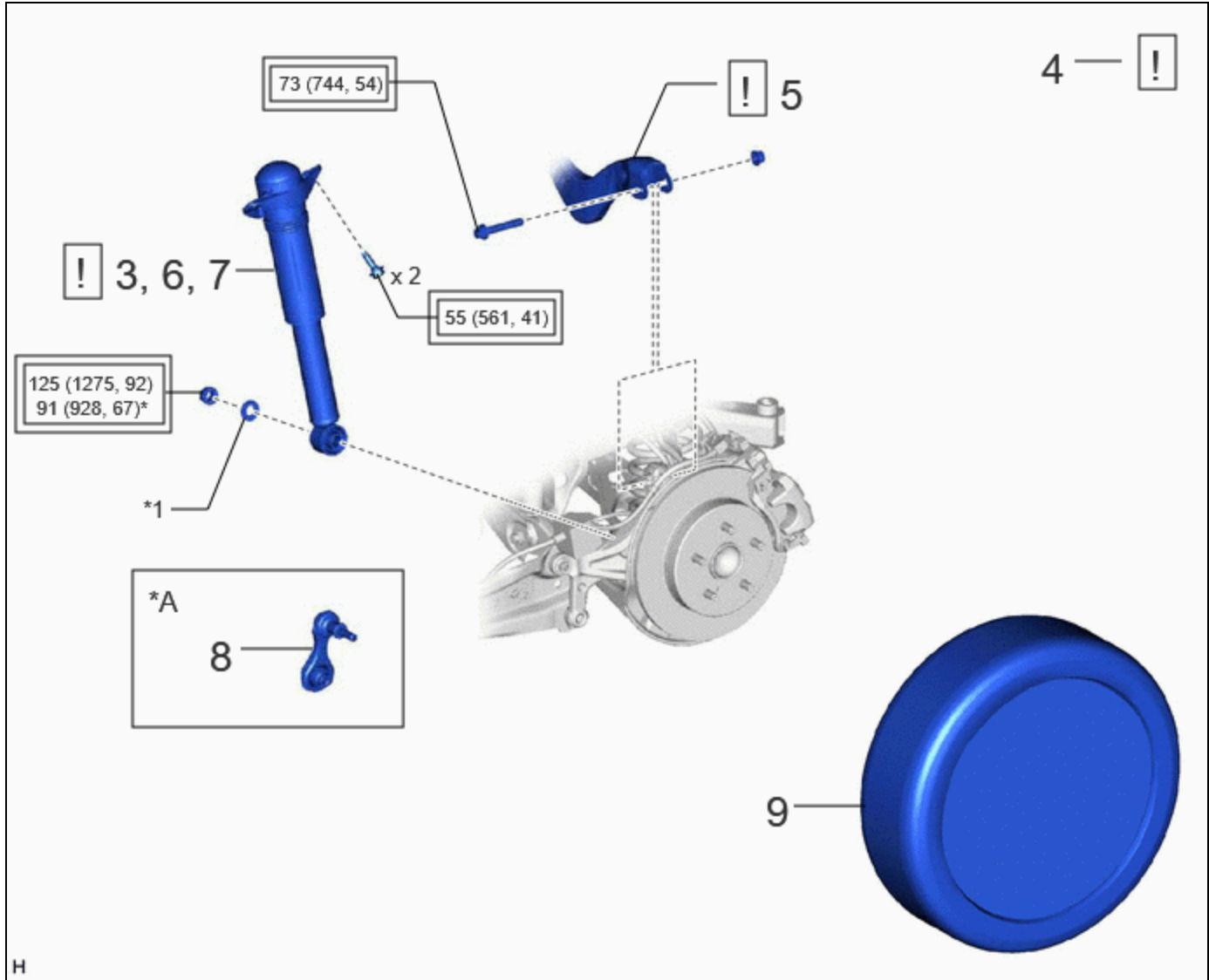
CAUTION / NOTICE / HINT




COMPONENTS (INSTALLATION)







	PROCEDURE	PART NAME CODE			
1	REAR SUSPENSION SUPPORT ASSEMBLY	48760B	INFO	-	-
2	REAR SHOCK ABSORBER CAP	48554A	-	-	-

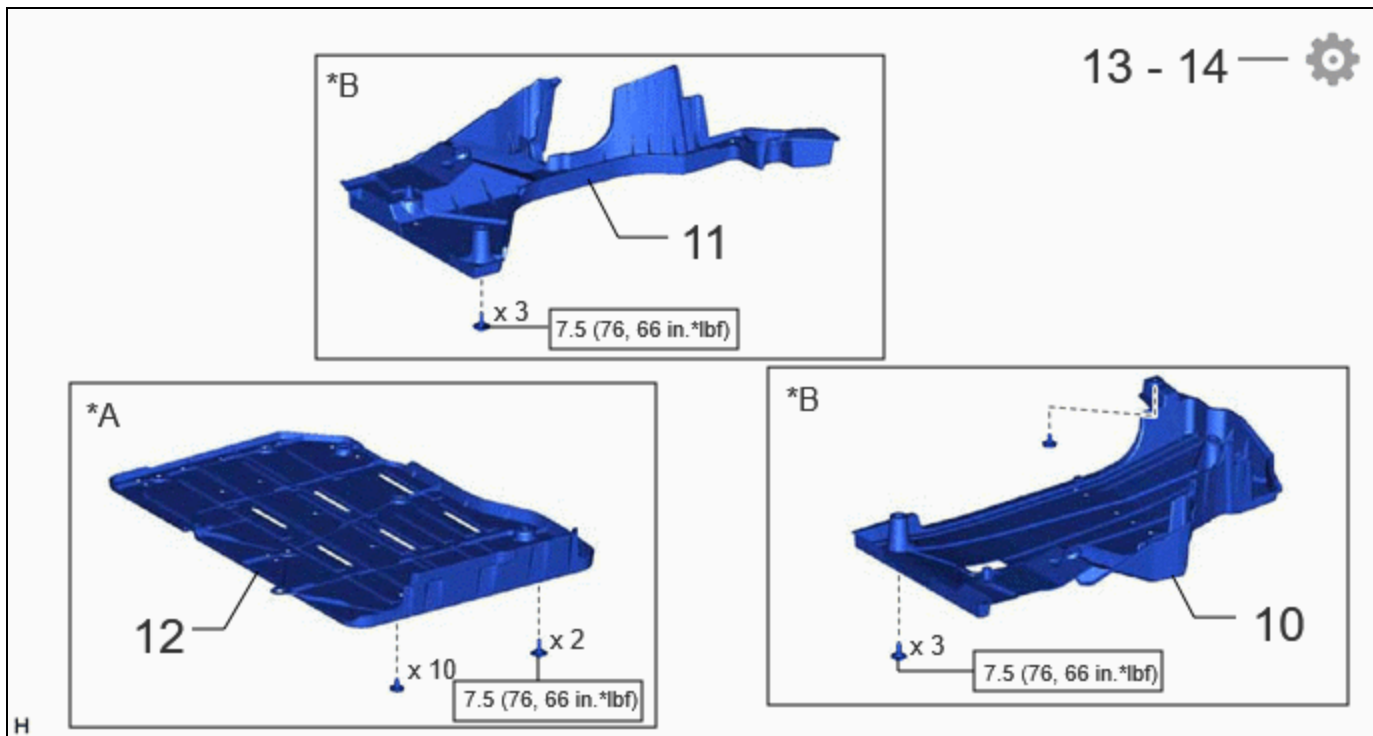
*1	REAR SHOCK ABSORBER ASSEMBLY	-	-
	Tightening torque for "Major areas involving basic vehicle performance such as moving/turning/stopping": N*m (kgf*cm, ft.*lbf)	*	For use with SST
•	Non-reusable part		Adhesive 1324
★	Precoated part	-	-









	PROCEDURE	PART NAME CODE			
3	TEMPORARILY INSTALL REAR SHOCK ABSORBER ASSEMBLY	48540	INFO	-	-


	PROCEDURE	PART NAME CODE			
4	STABILIZE SUSPENSION	-	INFO	-	-
5	REAR UPPER CONTROL ARM ASSEMBLY	48790	INFO	-	-
6	CONNECT REAR SHOCK ABSORBER ASSEMBLY	48540	INFO	-	-
7	INSTALL REAR SHOCK ABSORBER ASSEMBLY	48540	INFO	-	-
8	REAR STABILIZER LINK ASSEMBLY	48840A	-	-	-
9	REAR WHEEL	-	-	-	-

*A	w/ Stabilizer Bar	-	-
*1	PLATE WASHER	-	-
	Tightening torque for "Major areas involving basic vehicle performance such as moving/turning/stopping": N*m (kgf*cm, ft.*lbf)	-	-
*	For use with a ball joint lock nut wrench	-	-



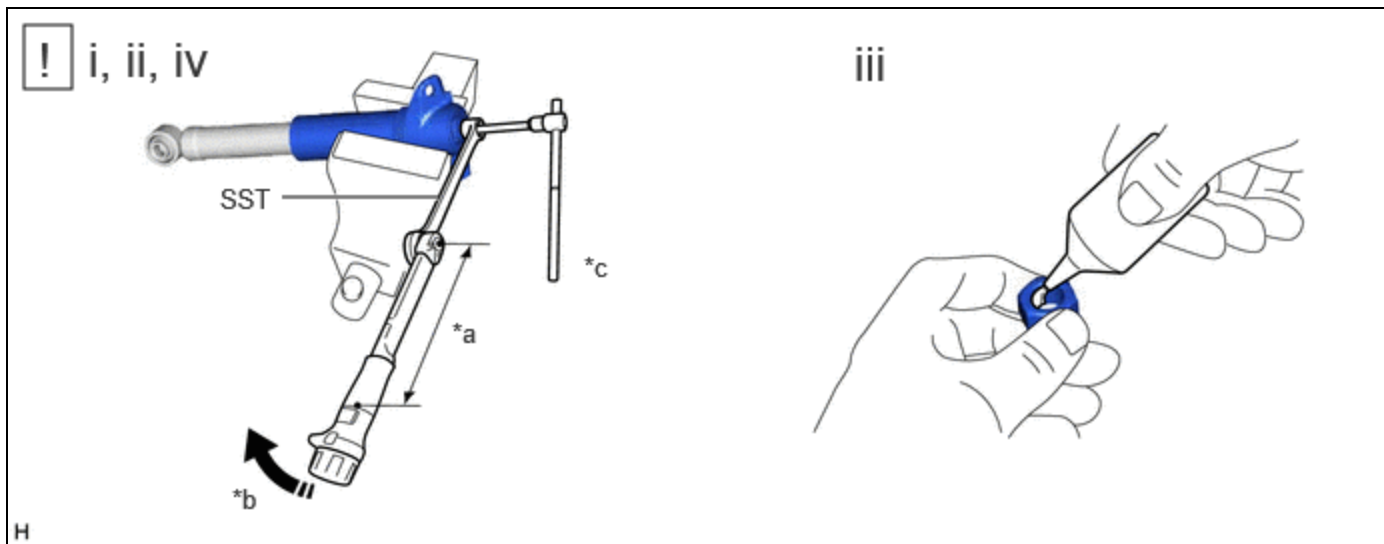
	PROCEDURE	PART NAME CODE			
10	REAR FLOOR SIDE MEMBER COVER LH	57628E	-	-	-
11	REAR FLOOR SIDE MEMBER COVER RH	57627G	-	-	-

PROCEDURE		PART NAME CODE			
12	BATTERY BOX COVER	58219K	-	-	-
13	INSPECT AND ADJUST REAR WHEEL ALIGNMENT	-	-	-	INFO
14	PERFORM INITIALIZATION	-	-	-	INFO

*A	for PHEV Model	*B	for HEV Model
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

PROCEDURE

1. INSTALL REAR SUSPENSION SUPPORT ASSEMBLY



*a	Torque Wrench Fulcrum Length	*b	Turn
*c	Hold	-	-

(1) Secure the rear suspension support assembly in a vise using aluminum plates.

NOTICE:

Do not overtighten the vise.

(2) Install the rear suspension support assembly to the rear shock absorber assembly.

(3) Apply a few drops of adhesive to the threads of a new rear support to rear shock absorber nut.

Adhesive:

Toyota Genuine Adhesive 1324, Three Bond 1324 or equivalent

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

SST: 09729-00170

Torque:

Specified tightening torque :

25 N·m {255 kgf·cm, 18 ft·lbf}

NOTICE:

Securely insert the 6 mm hexagon socket wrench into the rear shock absorber rod to prevent damage to the rear shock absorber assembly when tightening the rear support to rear shock absorber nut.

HINT:

- Calculate the torque wrench reading when changing the fulcrum length of the torque wrench.

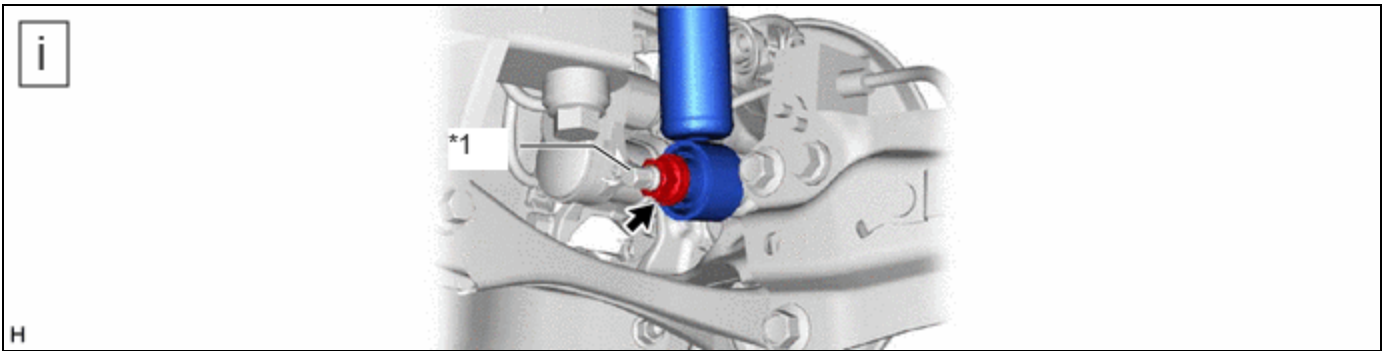
Click here [INFO](#)

- When using SST (fulcrum length of 200 mm (7.87 in.)) + torque wrench (fulcrum length of 180 mm (7.09 in.)):

12 N*m (122 kgf*cm, 9 ft.*lbf)

2. INSTALL REAR SHOCK ABSORBER CAP

3. TEMPORARILY INSTALL REAR SHOCK ABSORBER ASSEMBLY



*1	Rear Axle Carrier Pin	-	-
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(1) Temporarily install the rear shock absorber assembly to the rear axle carrier sub-assembly with the nut and plate washer.

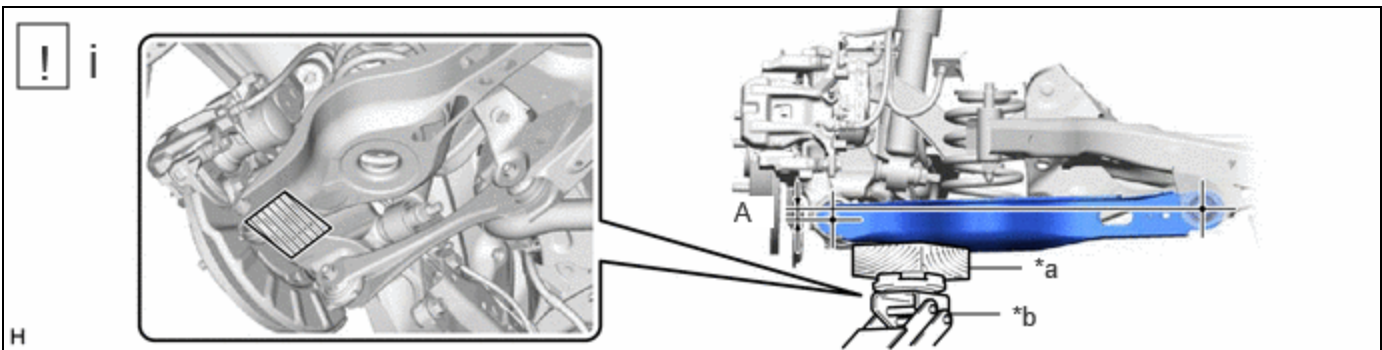
NOTICE:

Hold the rear axle carrier pin while rotating the nut.


4. STABILIZE SUSPENSION



CAUTION:
Do not jack up the rear No. 2 suspension arm assembly too high as the vehicle may fall.



*a	Wooden Block	*b	Jack
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	Wooden Block Placement Location	-	-
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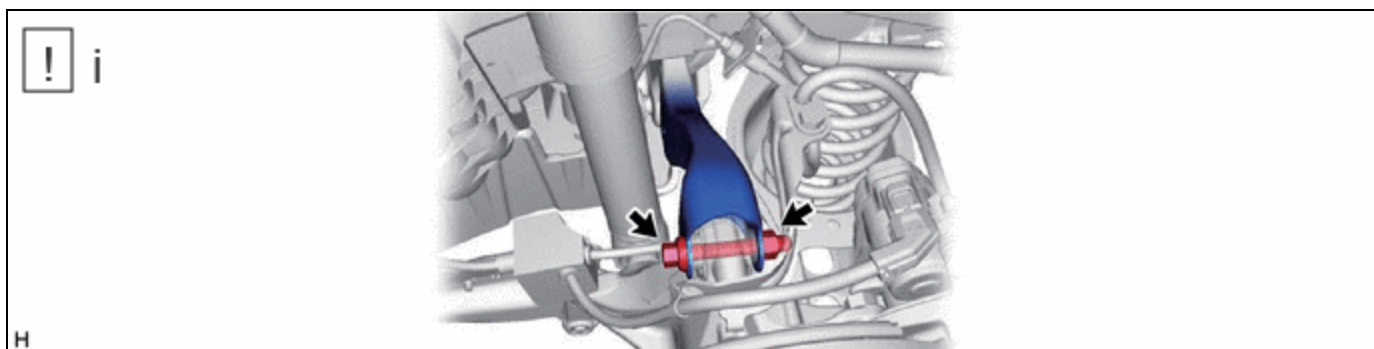
(1) Using a jack and wooden block, apply load to the suspension so that the rear No. 2 suspension arm assembly is positioned as shown in the illustration.

Standard Length (A):
13 mm (0.512 in.)

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.

5. INSTALL REAR UPPER CONTROL ARM ASSEMBLY



(1) Install the rear upper control arm assembly to the rear axle carrier sub-assembly with the bolt and nut.

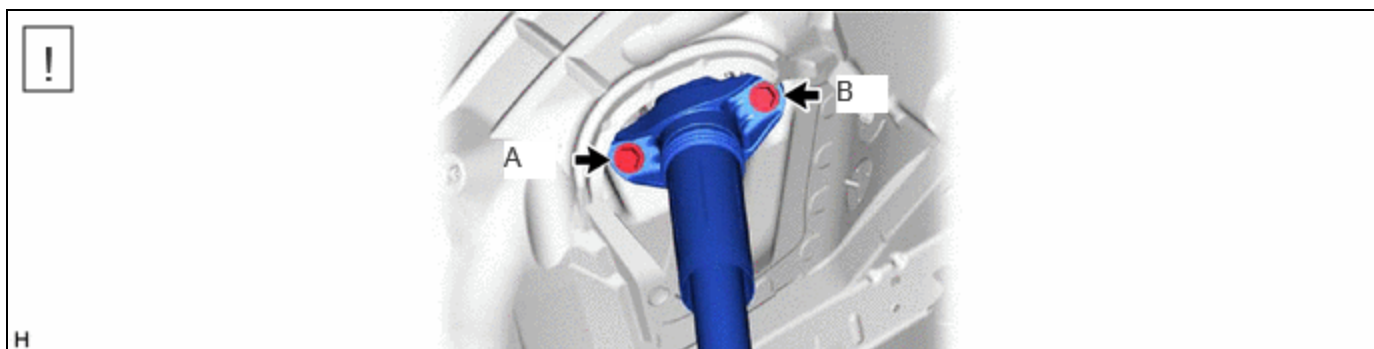
Torque:

73 N·m {744 kgf·cm, 54 ft·lbf}

NOTICE:

- Insert the bolt with the threaded end facing the rear of the vehicle.
- Because the nut has its own stopper, do not turn the nut. Tighten the bolt with the nut secured.

6. CONNECT REAR SHOCK ABSORBER ASSEMBLY



(1) Connect the rear shock absorber assembly to the vehicle with the 2 bolts.

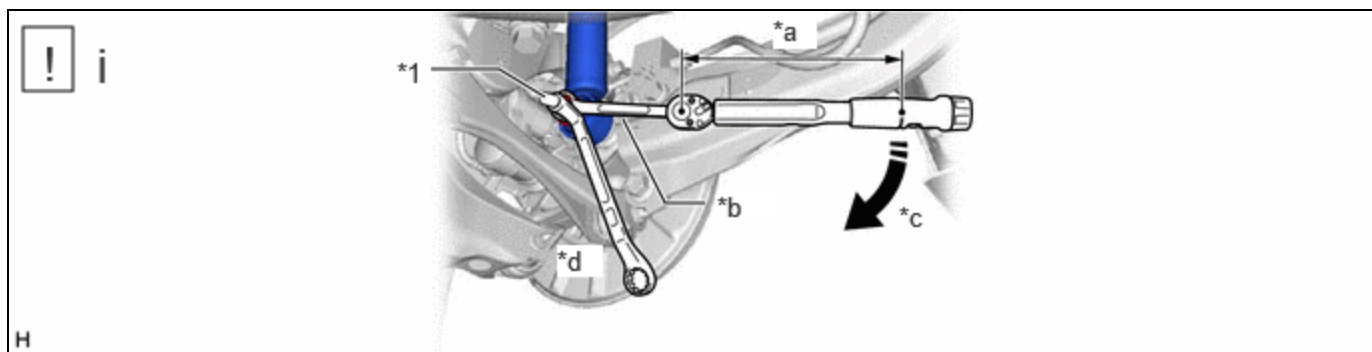
Torque:

55 N·m {561 kgf·cm, 41 ft·lbf}

NOTICE:

Temporarily tighten the bolt (A) and then fully tighten the 2 bolts in the order of (B) and (A).

7. INSTALL REAR SHOCK ABSORBER ASSEMBLY



*1	Rear Axle Carrier Pin	-	-
*a	Torque Wrench Fulcrum Length	*b	Ball Joint Lock Nut Wrench
*c	Turn	*d	Hold

(1) Using a ball joint lock nut wrench, fully tighten the rear shock absorber assembly with the nut.

Torque:

Specified tightening torque :

125 N·m {1275 kgf·cm, 92 ft·lbf}

NOTICE:

Hold the rear axle carrier pin while rotating the nut.

HINT:

- Calculate the torque wrench reading when changing the fulcrum length of the torque wrench.

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- When using a ball joint lock nut wrench (fulcrum length of 149.75 mm (5.90 in.)) + torque wrench (fulcrum length of 400 mm (1.31 ft.)):

91 N*m (928 kgf*cm, 67 ft.*lbf)

8. INSTALL REAR STABILIZER LINK ASSEMBLY (w/ Stabilizer Bar)

Click here [INFO](#)

9. INSTALL REAR WHEEL

Click here [INFO](#)

10. INSTALL REAR FLOOR SIDE MEMBER COVER LH (for HEV Model)

Click here [INFO](#)

11. INSTALL REAR FLOOR SIDE MEMBER COVER RH (for HEV Model)

Click here [INFO](#)

12. INSTALL BATTERY BOX COVER (for PHEV Model)

Click here [INFO](#)

13. INSPECT AND ADJUST REAR WHEEL ALIGNMENT

Click here [INFO](#)

14. PERFORM INITIALIZATION

Parking Assist Monitor System	INFO
Panoramic View Monitor System	INFO
Advanced Park	INFO

