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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: AXLE AND DIFFERENTIAL: REAR AXLE CARRIER (for 2WD): INSTALLATION; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

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.

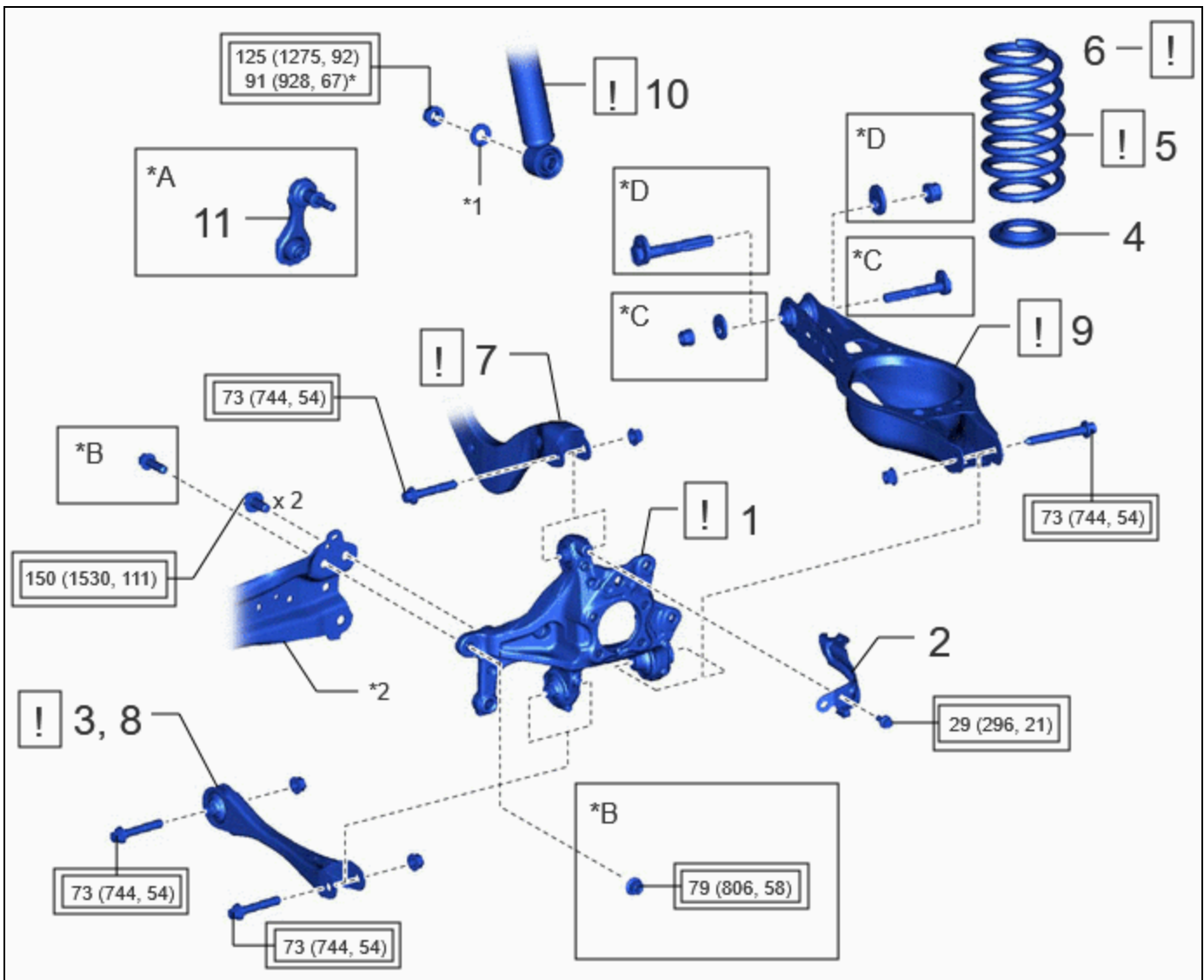
CAUTION / NOTICE / HINT




HINT:




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


CAUTION / NOTICE / HINT

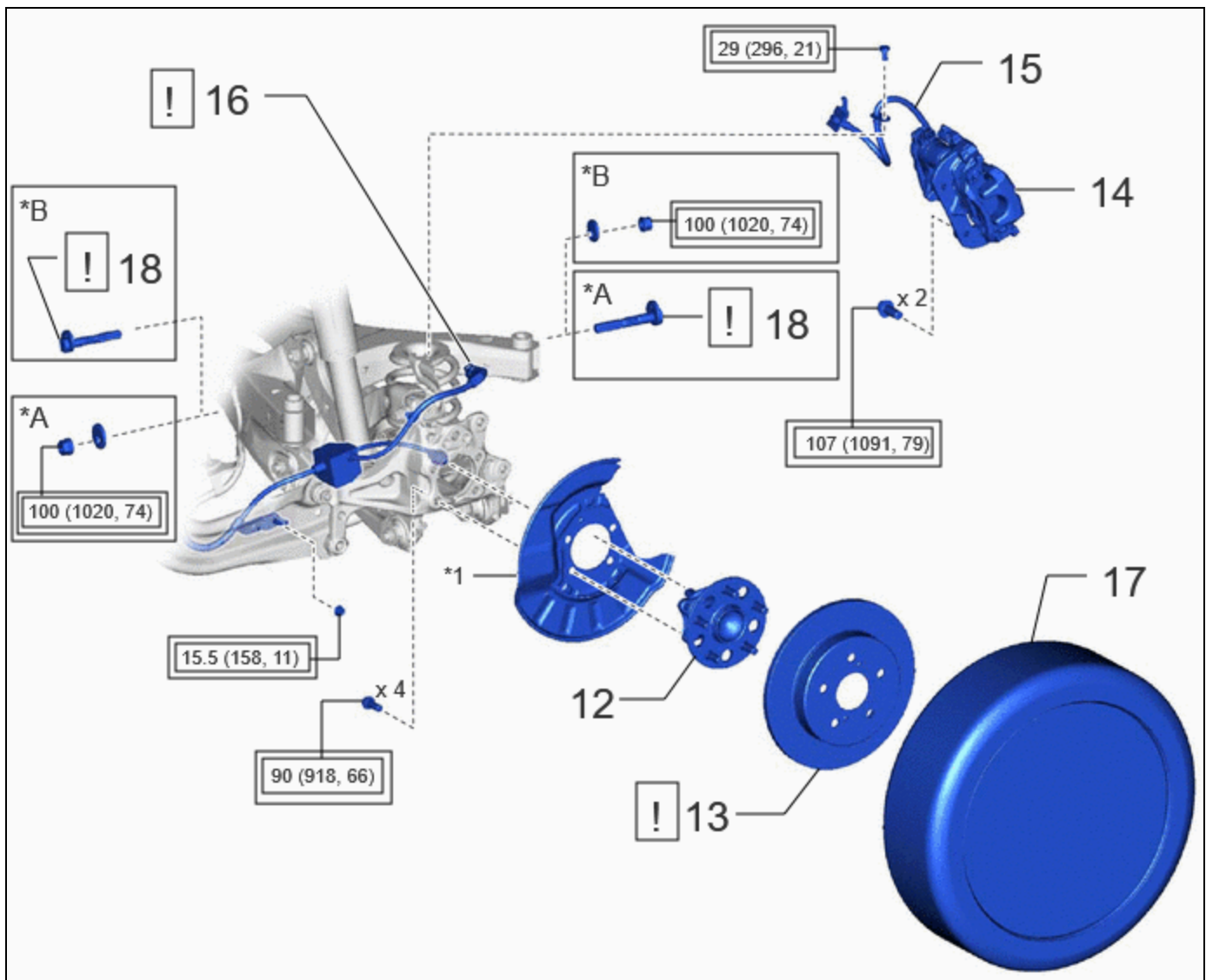
COMPONENTS (INSTALLATION)










	PROCEDURE	PART NAME CODE			
1	REAR AXLE CARRIER SUB-ASSEMBLY	42305	INFO	-	-
2	NO. 4 FLEXIBLE HOSE BRACKET	47354B	-	-	-
3	TEMPORARILY INSTALL REAR NO. 1 SUSPENSION ARM ASSEMBLY	48720A	INFO	-	-
4	REAR LOWER COIL SPRING INSULATOR	48258C	-	-	-
5	REAR COIL SPRING	48231B	INFO	-	-
6	STABILIZE SUSPENSION	-	INFO	-	-
7	REAR UPPER CONTROL ARM ASSEMBLY	48790	INFO	-	-
8	INSTALL REAR NO. 1 SUSPENSION ARM ASSEMBLY	48720A	INFO	-	-
9	REAR NO. 2 SUSPENSION ARM ASSEMBLY	48740F	INFO	-	-

PROCEDURE		PART NAME CODE			
10	REAR SHOCK ABSORBER ASSEMBLY	48540	INFO	-	-
11	REAR STABILIZER LINK ASSEMBLY	48840A	-	-	-

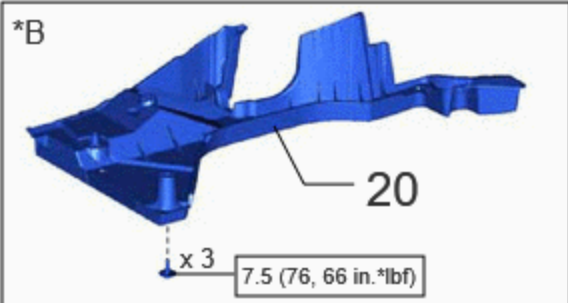
*A	w/ Stabilizer Bar	*B	w/o Stabilizer Bar
*C	for HEV Model	*D	for PHEV Model
*1	PLATE WASHER	*2	REAR TRAILING ARM ASSEMBLY
	Tightening torque for "Major areas involving basic vehicle performance such as moving/turning/stopping": N*m (kgf*cm, ft.*lbf)	-	-
*	For use with a ball joint lock nut wrench	-	-



PROCEDURE		PART NAME CODE			
12	REAR AXLE HUB AND BEARING ASSEMBLY	42450B	-	-	-
13	REAR DISC	42431		-	-
14	REAR DISC BRAKE CALIPER ASSEMBLY	-	-	-	-
15	REAR FLEXIBLE HOSE	47319F	-	-	-
16	NO. 2 PARKING BRAKE WIRE ASSEMBLY	890C0A		-	-
17	REAR WHEEL	-	-	-	-
18	REAR SUSPENSION TOE ADJUST CAM SUB-ASSEMBLY	48409		-	-

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


***B**




20

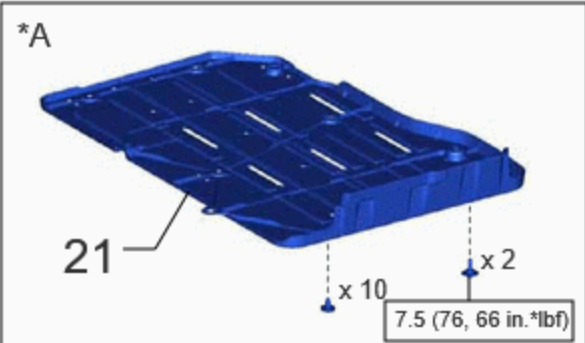
x 3

7.5 (76, 66 in.*lbf)

23 - 26 — 

22 — 

***A**



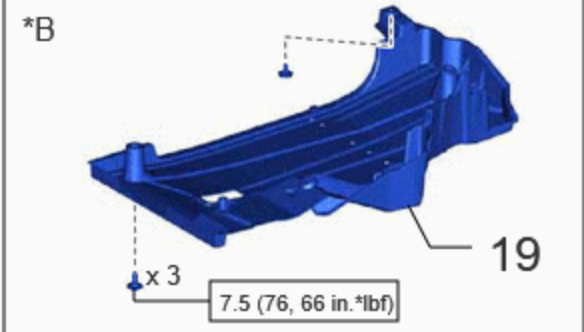
21

x 10

x 2

7.5 (76, 66 in.*lbf)

***B**














19


x 3

7.5 (76, 66 in.*lbf)

H

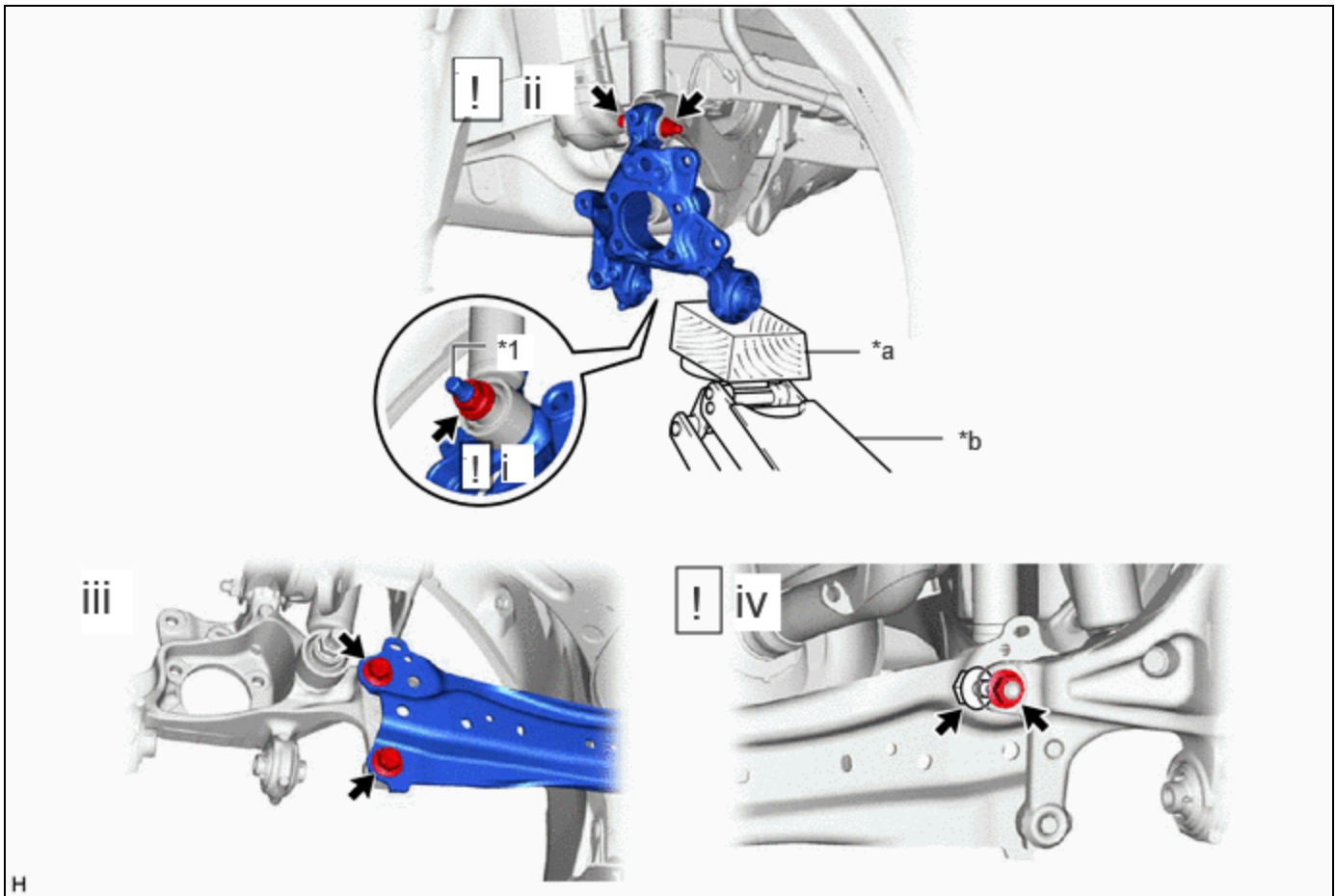
PROCEDURE		PART NAME CODE			
19	REAR FLOOR SIDE MEMBER COVER LH	57628E	-	-	-

PROCEDURE		PART NAME CODE			
20	REAR FLOOR SIDE MEMBER COVER RH	57627G	-	-	-
21	BATTERY BOX COVER	58219K	-	-	-
22	CONNECT CABLE TO NEGATIVE AUXILIARY BATTERY TERMINAL	-		-	-
23	INITIALIZATION AFTER RECONNECTING AUXILIARY BATTERY TERMINAL	-	-	-	
24	INSPECT AND ADJUST REAR WHEEL ALIGNMENT	-	-	-	
25	CHECK FOR SPEED SENSOR SIGNAL	-	-	-	
26	PERFORM INITIALIZATION	-	-	-	

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

PROCEDURE

1. TEMPORARILY INSTALL REAR AXLE CARRIER SUB-ASSEMBLY



*1	Rear Axle Carrier Pin	-	-
*a	Wooden Block	*b	Jack

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

NOTICE:

Hold the rear axle carrier pin while rotating the nut.

(2) Temporarily install the rear axle carrier sub-assembly to the rear upper control arm assembly with the bolt and nut.

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.

(3) Install the rear trailing arm assembly to the rear axle carrier sub-assembly with the 2 bolts.

Torque:

150 N·m {1530 kgf·cm, 111 ft·lbf}

(4) w/o Stabilizer Bar:

1. Install the rear trailing arm assembly to the rear axle carrier sub-assembly with the bolt and nut.

Torque:

79 N·m {806 kgf·cm, 58 ft·lbf}

NOTICE:


Insert the bolt with the threaded end facing the outside of the vehicle.

2. INSTALL NO. 4 FLEXIBLE HOSE BRACKET

Torque:


29 N·m {296 kgf·cm, 21 ft·lbf}

3. TEMPORARILY INSTALL REAR NO. 1 SUSPENSION ARM ASSEMBLY


	for HEV Model: Click here INFO for PHEV Model: Click here INFO
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4. INSTALL REAR LOWER COIL SPRING INSULATOR

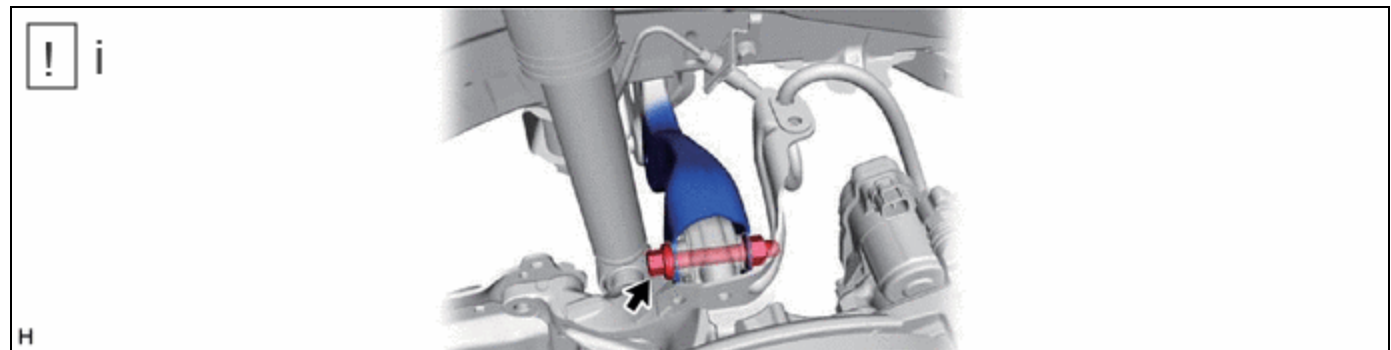
5. INSTALL REAR COIL SPRING

	Click here INFO
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6. STABILIZE SUSPENSION

	Click here INFO
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7. INSTALL REAR UPPER CONTROL ARM ASSEMBLY



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


Torque:

73 N·m {744 kgf·cm, 54 ft·lbf}

NOTICE:

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

8. INSTALL REAR NO. 1 SUSPENSION ARM ASSEMBLY

	for HEV Model: Click here INFO for PHEV Model: Click here INFO
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9. INSTALL REAR NO. 2 SUSPENSION ARM ASSEMBLY



for HEV Model: Click here [INFO](#)

for PHEV Model: Click here [INFO](#)

10. INSTALL REAR SHOCK ABSORBER ASSEMBLY



Click here [INFO](#)

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

Click here [INFO](#)

12. INSTALL REAR AXLE HUB AND BEARING ASSEMBLY

Click here [INFO](#)

13. INSTALL REAR DISC



Click here [INFO](#)

14. INSTALL REAR DISC BRAKE CALIPER ASSEMBLY

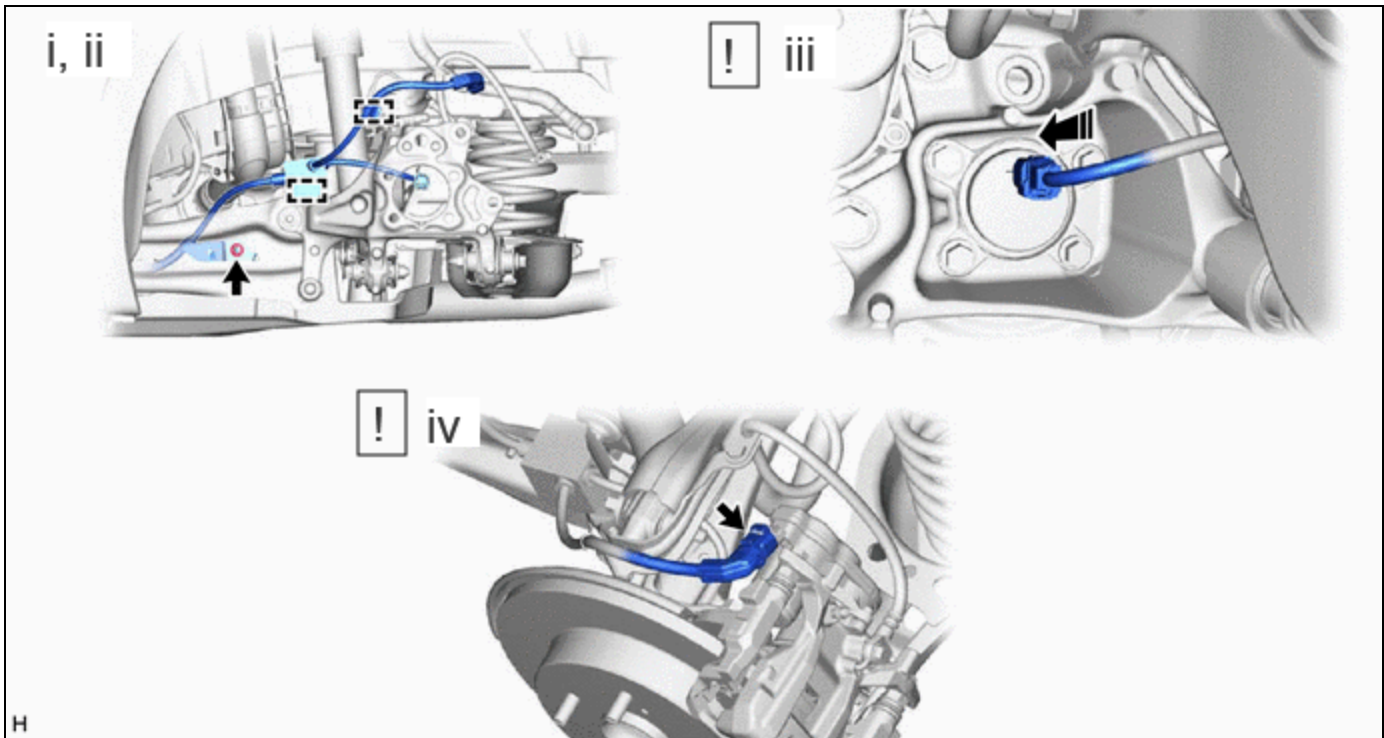
Click here [INFO](#)

15. INSTALL REAR FLEXIBLE HOSE

Torque:

29 N·m {296 kgf·cm, 21 ft·lbf}

16. INSTALL NO. 2 PARKING BRAKE WIRE ASSEMBLY



(1) Install the No. 2 parking brake wire assembly to the rear trailing arm assembly with the nut.

Torque:

15.5 N·m {158 kgf·cm, 11 ft·lbf}

(2) Engage the 2 clamps.

(3) Connect the No. 2 parking brake wire assembly connector to the rear axle hub and bearing 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.

(4) Connect the No. 2 parking brake wire assembly connector to the parking brake actuator 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.

17. INSTALL REAR WHEEL

Click here [INFO](#)

18. INSTALL REAR SUSPENSION TOE ADJUST CAM SUB-ASSEMBLY

	<p>for HEV Model: Click here INFO</p> <p>for PHEV Model: Click here INFO</p>
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19. INSTALL REAR FLOOR SIDE MEMBER COVER LH (for HEV Model)

Click here [INFO](#)


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

Click here [INFO](#)

21. INSTALL BATTERY BOX COVER (for PHEV Model)

Click here [INFO](#)

22. CONNECT CABLE TO NEGATIVE AUXILIARY BATTERY TERMINAL

	Click here INFO
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23. 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](#)

24. INSPECT AND ADJUST REAR WHEEL ALIGNMENT

Click here [INFO](#)

25. CHECK FOR SPEED SENSOR SIGNAL

Click here [INFO](#)

26. PERFORM INITIALIZATION

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

