

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM1000000029QWS
Model Year Start: 2023	Model: Prius	Prod Date Range: [12/2022 -]
Title: HYBRID / BATTERY CONTROL: HV BATTERY (for HEV Model): INSTALLATION; 2023 - 2024 MY Prius [12/2022 -]		

INSTALLATION

CAUTION / NOTICE / HINT

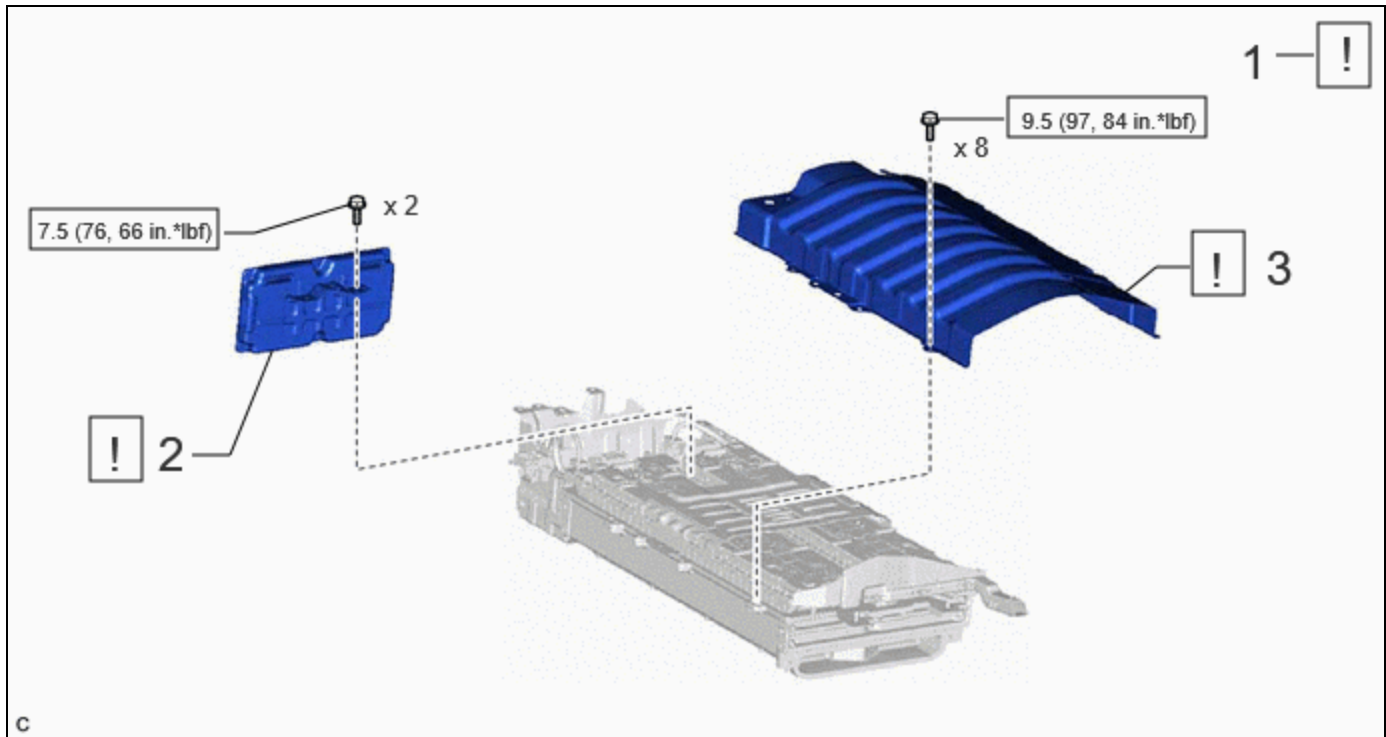
NOTICE:

This procedure includes the installation of small-head bolts. Refer to Small-Head Bolts of Basic Repair Hint to identify the small-head bolts.


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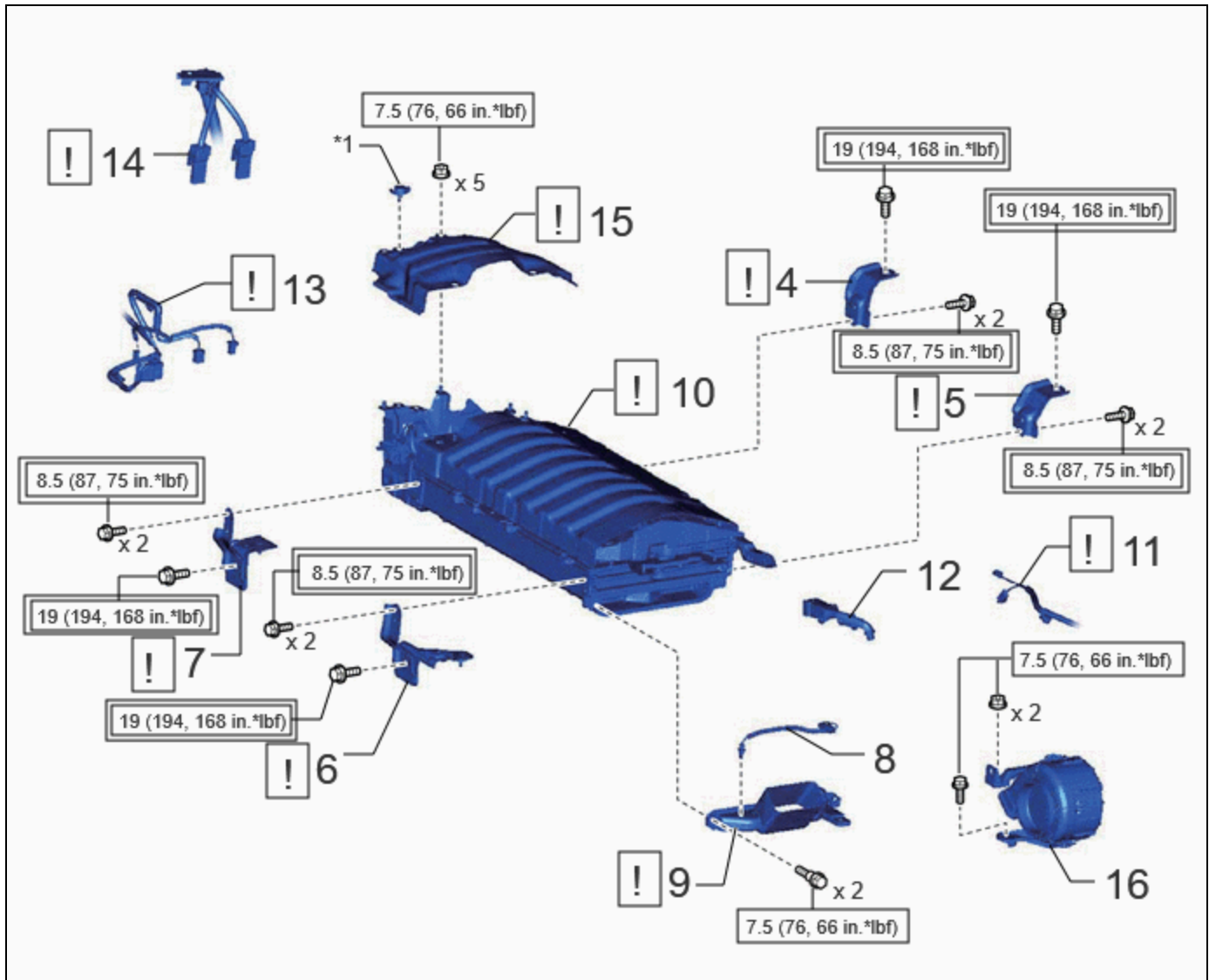
CAUTION / NOTICE / HINT




COMPONENTS (INSTALLATION)












PROCEDURE		PART NAME CODE			
1	NO. 1 HV BATTERY INTAKE FILTER	G92DH	INFO	-	-
2	BATTERY ECU ASSEMBLY	89890A	INFO	-	-
3	UPPER HV BATTERY COVER SUB-ASSEMBLY	-	INFO	-	-

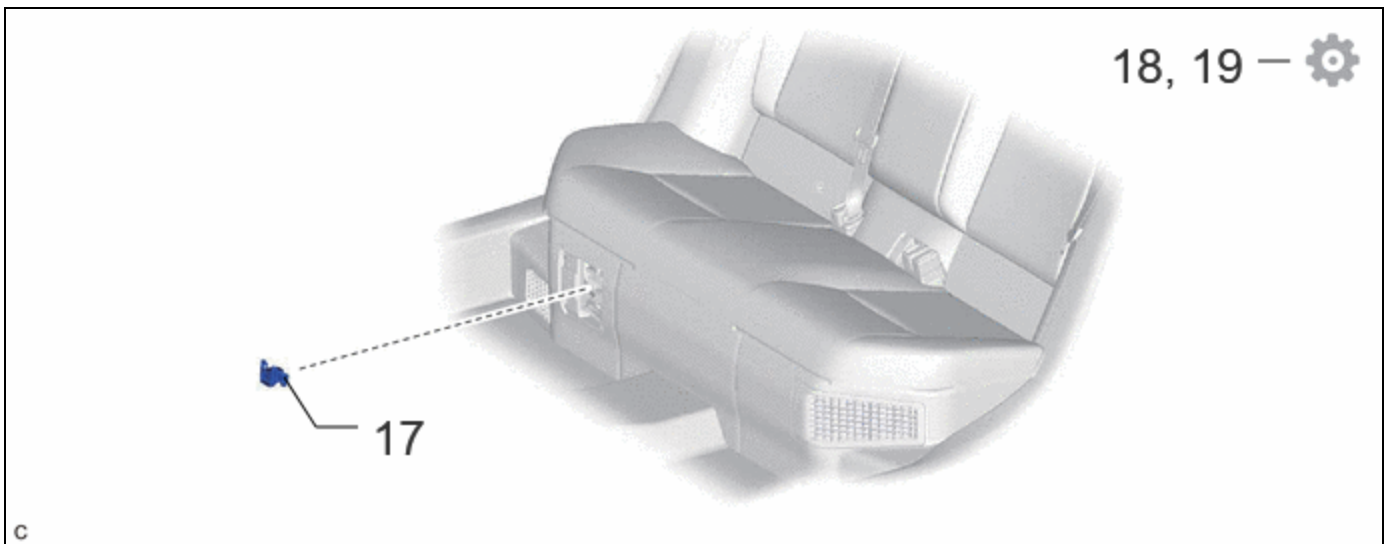
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-
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PROCEDURE		PART NAME CODE			
4	NO. 4 HV BATTERY CARRIER BRACKET	G92K6	INFO	-	-
5	NO. 3 HV BATTERY CARRIER BRACKET	G92K5	INFO	-	-
6	NO. 2 HV BATTERY CARRIER BRACKET SUB-ASSEMBLY	G920C	INFO	-	-
7	NO. 1 HV BATTERY CARRIER BRACKET SUB-ASSEMBLY	G920B	INFO	-	-
8	NO. 3 HV BATTERY PACK WIRE	G92X3	-	-	-
9	NO. 2 HYBRID BATTERY INTAKE DUCT	G92D2	INFO	-	-
10	HV SUPPLY BATTERY ASSEMBLY	G9510	INFO	-	-

PROCEDURE		PART NAME CODE			
11	FLOOR WIRE	82161		-	-
12	HYBRID BATTERY HOSE ASSEMBLY	G9290A	-	-	-
13	FLOOR WIRE	82161		-	-
14	FLOOR UNDER WIRE	821H1		-	-
15	NO. 1 HV BATTERY COVER PANEL RH	G92N4A		-	-
16	BATTERY COOLING BLOWER ASSEMBLY	G9230	-	-	-

*1	Battery Cover Lock Striker	-	-
	Tightening torque for "Major areas involving basic vehicle performance such as moving/turning/stopping" : N*m (kgf*cm, ft.*lbf)		N*m (kgf*cm, ft.*lbf): Specified torque



PROCEDURE		PART NAME CODE			
17	SERVICE PLUG GRIP	G3834	-	-	-
18	PERFORM INITIALIZATION	-	-	-	
19	INITIALIZATION AFTER RECONNECTING AUXILIARY BATTERY TERMINAL	-	-	-	

PROCEDURE

1. INSPECT NO. 1 HV BATTERY INTAKE FILTER



Click here [INFO](#)

2. INSTALL BATTERY ECU ASSEMBLY



Click here [INFO](#)

3. INSTALL UPPER HV BATTERY COVER SUB-ASSEMBLY



Click here [INFO](#)

4. INSTALL NO. 4 HV BATTERY CARRIER BRACKET



CAUTION:
Be sure to wear insulated gloves.

Torque:

8.5 N·m {87 kgf·cm, 75 in·lbf}

5. INSTALL NO. 3 HV BATTERY CARRIER BRACKET



CAUTION:
Be sure to wear insulated gloves.

Torque:

8.5 N·m {87 kgf·cm, 75 in·lbf}

6. INSTALL NO. 2 HV BATTERY CARRIER BRACKET SUB-ASSEMBLY



CAUTION:
Be sure to wear insulated gloves.

Torque:

8.5 N·m {87 kgf·cm, 75 in·lbf}

7. INSTALL NO. 1 HV BATTERY CARRIER BRACKET SUB-ASSEMBLY

	<p>CAUTION: Be sure to wear insulated gloves.</p>
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Torque:

8.5 N·m {87 kgf·cm, 75 in·lbf}

8. INSTALL NO. 3 HV BATTERY PACK WIRE


9. INSTALL NO. 2 HYBRID BATTERY INTAKE DUCT

	<p>CAUTION: Be sure to wear insulated gloves.</p>
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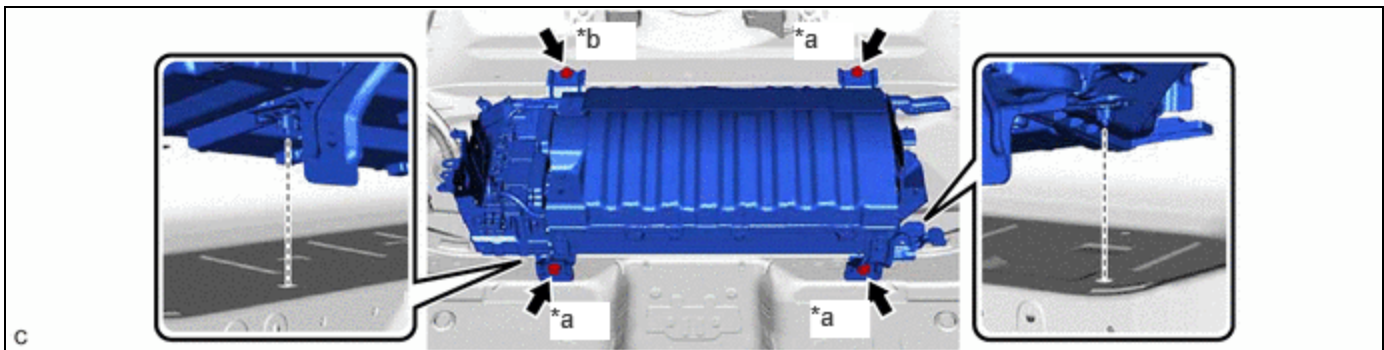
Torque:

7.5 N·m {76 kgf·cm, 66 in·lbf}

10. INSTALL HV SUPPLY BATTERY ASSEMBLY

	<p>CAUTION: Be sure to wear insulated gloves.</p> <p>NOTICE:</p> <ul style="list-style-type: none"> Do not allow foreign matter, such as grease or oil, to adhere to the bolts of the HV battery. To prevent the wire harness from being caught, make sure to bundle the wire harness using insulating tape or equivalent. Use cardboard or another similar material to protect the HV battery and vehicle body from damage. Since the HV battery is very heavy, 2 people are needed to install it. When installing the HV battery, be careful not to damage the parts around it. When removing/installing/moving the HV battery, make sure not to tilt it more than 80°. While lowering the HV battery into the vehicle, do not allow it to contact the vehicle. As bolts with 2 different lengths are used, make sure to install each bolt to the correct position. If the HV battery has been struck or dropped, replace it.
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(a) for Type A:

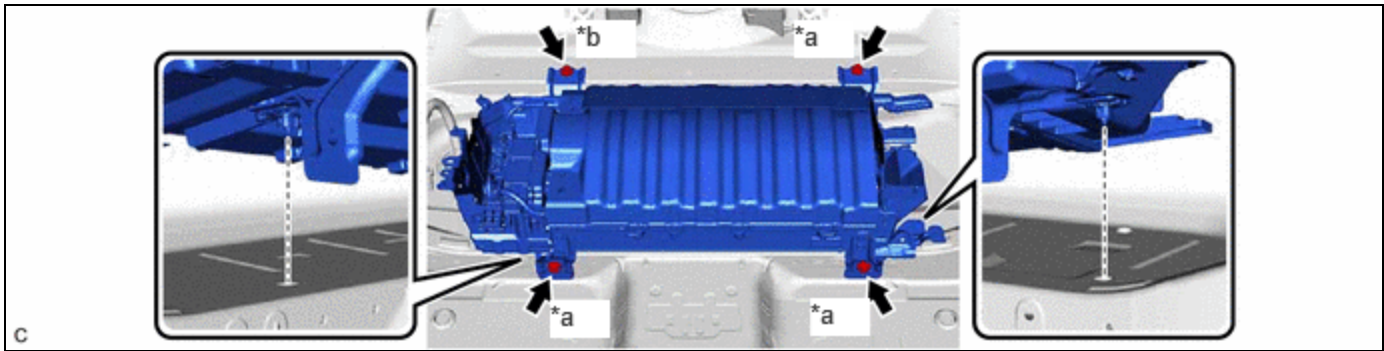


*a	Bolt (A) (Bolt Length: 25 mm (0.984 in.))	*b	Bolt (B) (Bolt Length: 24 mm (0.945 in.))
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Torque:

19 N·m {194 kgf·cm, 14 ft·lbf}

(b) for Type B:



*a	Bolt (A) (Bolt Length: 25 mm (0.984 in.))	*b	Bolt (B) (Bolt Length: 24 mm (0.945 in.))
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Torque:

19 N·m {194 kgf·cm, 14 ft·lbf}

11. CONNECT FLOOR WIRE

	<p>CAUTION: Be sure to wear insulated gloves.</p> <p>NOTICE: Make sure that the connectors are connected securely.</p>
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12. INSTALL HYBRID BATTERY HOSE ASSEMBLY

13. CONNECT FLOOR WIRE

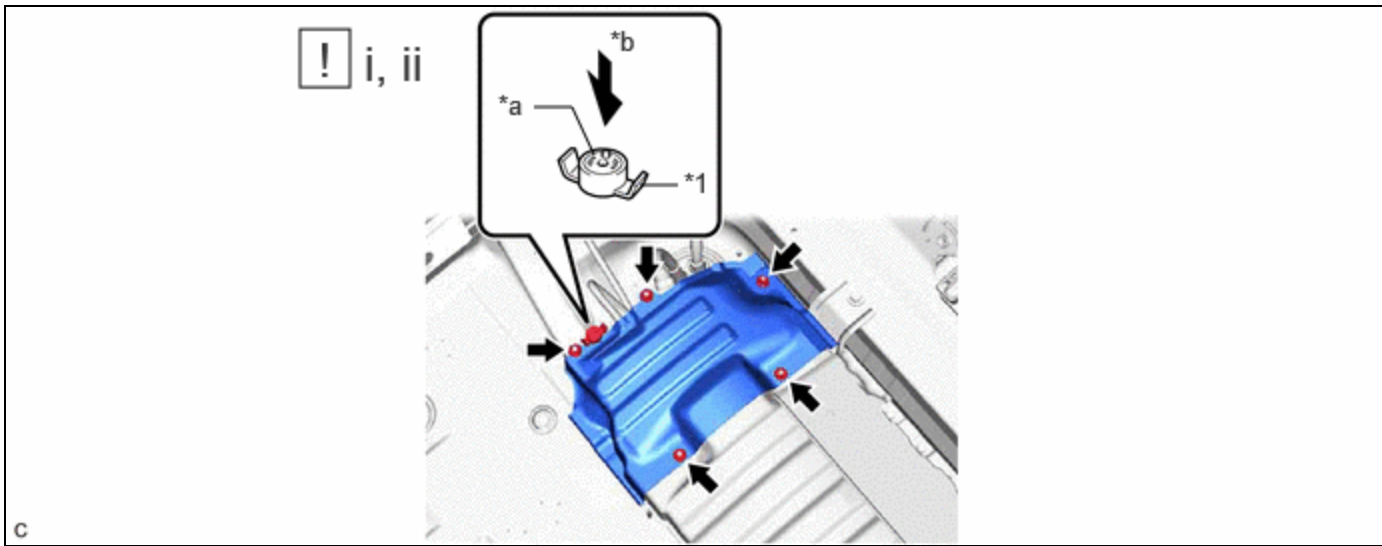
	<p>CAUTION: Be sure to wear insulated gloves.</p> <p>NOTICE: Make sure that the connectors are connected securely.</p>
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14. CONNECT FLOOR UNDER WIRE

	<p>CAUTION: Be sure to wear insulated gloves.</p> <p>NOTICE: Make sure that the connectors are connected securely.</p>
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15. INSTALL NO. 1 HV BATTERY COVER PANEL RH

	<p>CAUTION: Be sure to wear insulated gloves.</p>
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*1	Battery Cover Lock Striker	-	-
*a	Button	*b	Push

(1) Install the No. 1 HV battery cover panel RH to the HV battery with the 5 nuts.

Torque:

7.5 N·m {76 kgf·cm, 66 in·lbf}

(2) Install the battery cover lock striker, then push the button to lock it.

16. INSTALL BATTERY COOLING BLOWER ASSEMBLY

Click here [INFO](#)

17. INSTALL SERVICE PLUG GRIP

Click here [INFO](#)

18. PERFORM INITIALIZATION

Click here [INFO](#)

19. INITIALIZATION AFTER RECONNECTING AUXILIARY BATTERY TERMINAL

HINT:

When disconnecting and reconnecting the battery, there is an automatic learning function that completes learning when the respective system is used.

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