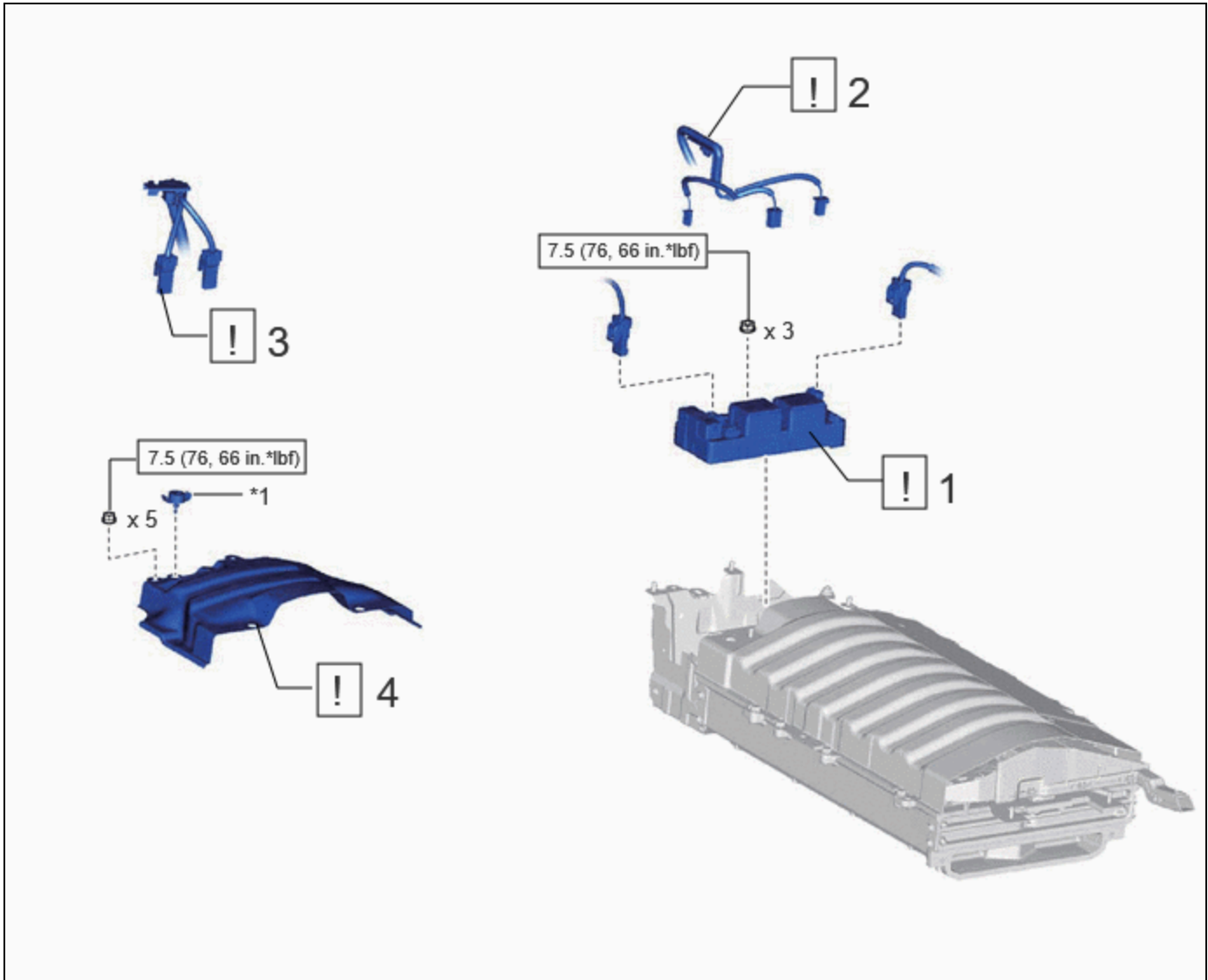


Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM1000000029QX8
Model Year Start: 2023	Model: Prius	Prod Date Range: [12/2022 -]
Title: HYBRID / BATTERY CONTROL: HV RELAY ASSEMBLY (for HEV Model): INSTALLATION; 2023 - 2024 MY Prius [12/2022 -]		




INSTALLATION


CAUTION / NOTICE / HINT

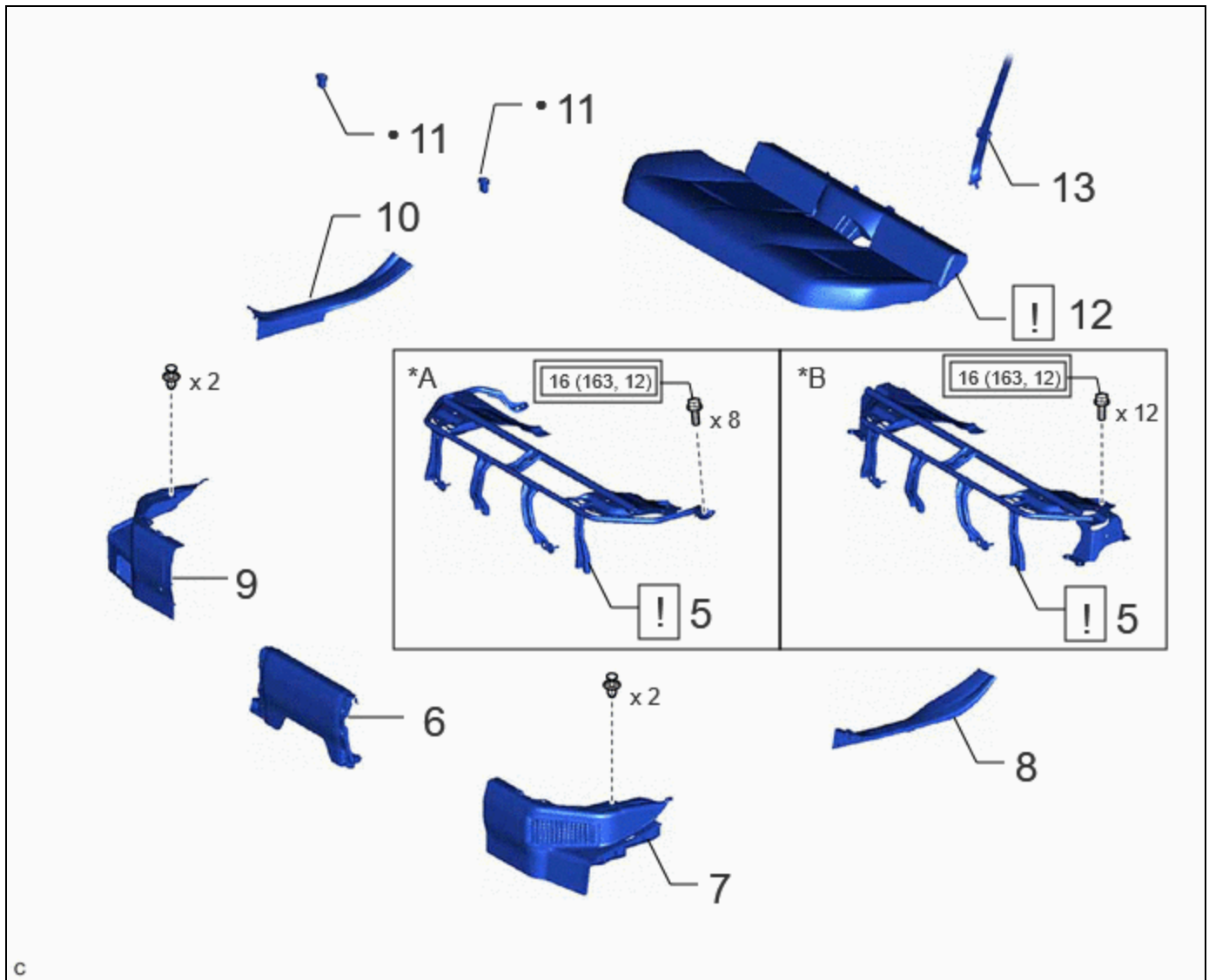
COMPONENTS (INSTALLATION)










	PROCEDURE	PART NAME CODE			
1	NO. 1 TRACTION BATTERY DEVICE BOX	G384B	INFO	-	-
2	FLOOR WIRE	82161	INFO	-	-


PROCEDURE		PART NAME CODE			
3	FLOOR UNDER WIRE	821H1	INFO	-	-
4	NO. 1 HV BATTERY COVER PANEL RH	G92N4A	INFO	-	-

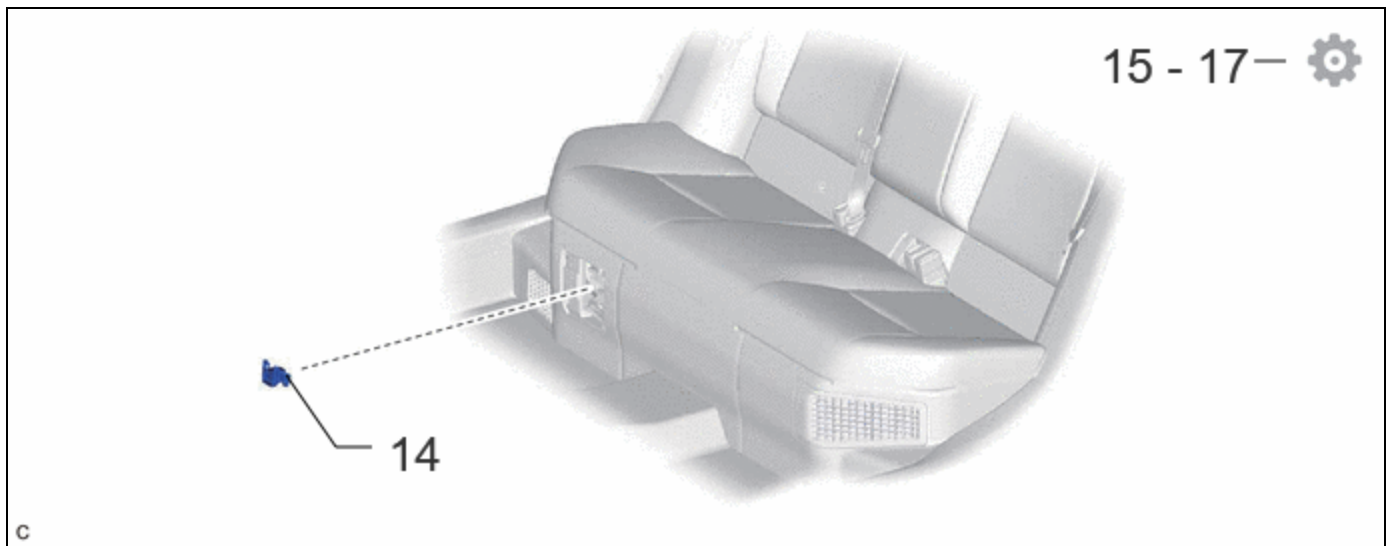
*1	Battery Cover Lock Striker	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-









PROCEDURE		PART NAME CODE			
5	REAR SEAT CUSHION LEG SUB-ASSEMBLY	71033	INFO	-	-

PROCEDURE		PART NAME CODE			
6	REAR UNDER COVER	76971F	-	-	-
7	REAR UNDER SIDE COVER LH	76974E	-	-	-
8	REAR DOOR SCUFF PLATE INSIDE LH	67918F	-	-	-
9	REAR UNDER SIDE COVER RH	76917F	-	-	-
10	REAR DOOR SCUFF PLATE INSIDE RH	67917F	-	-	-
11	REAR SEAT CUSHION LOCK HOOK	72693	-	-	-
12	REAR SEAT CUSHION ASSEMBLY	-		-	-
13	REAR CENTER SEAT OUTER BELT ASSEMBLY	73350C	-	-	-


*A	for Type A	*B	for Type B
	Tightening torque for "Major areas involving basic vehicle performance such as moving/turning/stopping" : N*m (kgf*cm, ft.*lbf)	<ul style="list-style-type: none">•	Non-reusable part



PROCEDURE		PART NAME CODE			
14	SERVICE PLUG GRIP	G3834	-	-	-
15	CURRENT SENSOR OFFSET LEARNING	-	-	-	
16	PERFORM INITIALIZATION	-	-	-	
17	INITIALIZATION AFTER RECONNECTING AUXILIARY BATTERY TERMINAL	-	-	-	

PROCEDURE

1. INSTALL NO. 1 TRACTION BATTERY DEVICE BOX

	<p>CAUTION: Be sure to wear insulated gloves.</p> <p>NOTICE:</p> <ul style="list-style-type: none"> • If the No. 1 traction battery device box has been struck or dropped, replace it with a new one. • Make sure that the connector is connected securely.
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Torque:

7.5 N·m {76 kgf·cm, 66 in·lbf}


2. 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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3. 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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4. INSTALL NO. 1 HV BATTERY COVER PANEL RH

	<p>Click here INFO</p>
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5. INSTALL REAR SEAT CUSHION LEG SUB-ASSEMBLY

	<p>Click here INFO</p>
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6. INSTALL REAR UNDER COVER

7. INSTALL REAR UNDER SIDE COVER LH

8. INSTALL REAR DOOR SCUFF PLATE INSIDE LH

9. INSTALL REAR UNDER SIDE COVER RH

10. INSTALL REAR DOOR SCUFF PLATE INSIDE RH

11. INSTALL REAR SEAT CUSHION LOCK HOOK

12. INSTALL REAR SEAT CUSHION ASSEMBLY


	Click here INFO
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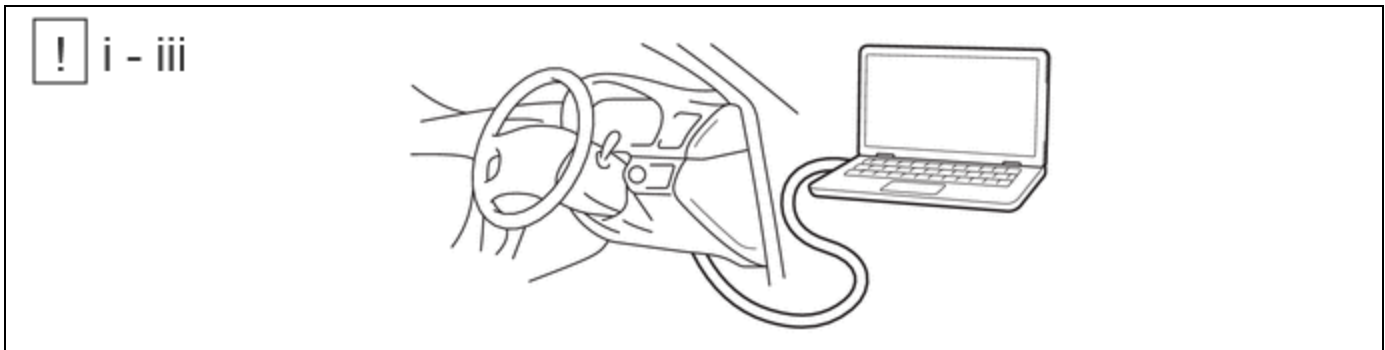
13. CONNECT REAR CENTER SEAT OUTER BELT ASSEMBLY

14. INSTALL SERVICE PLUG GRIP

Click here [INFO](#)

15. PERFORM CURRENT SENSOR OFFSET LEARNING

	<p>HINT:</p> <p>Perform this procedure when the No. 1 traction battery device box or battery ECU assembly has been replaced.</p>
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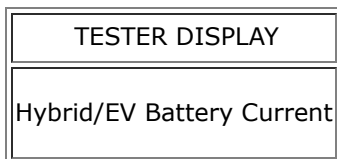
- (1) Connect the GTS to the DLC3.
- (2) Turn the ignition switch on (READY).
- (3) Perform a road test.

NOTICE:

Accelerate and decelerate gently. Avoid rapid acceleration and deceleration.

- 1. Enter the following menus: Powertrain / HV Battery / Data List / Hybrid/EV Battery Current.

Powertrain > HV Battery > Data List



- 2. Drive the vehicle with the value of Data List item "Hybrid/EV Battery Current" between -50 A and 50 A.

HINT:

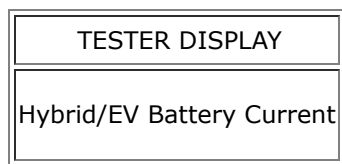
Distance and driving time are not specified.

- 3. Turn the ignition switch off and leave the vehicle for 30 seconds or more.

4. Turn the ignition switch on (IG).

5. Enter the following menus: Powertrain / HV Battery / Data List / Hybrid/EV Battery Current.

Powertrain > HV Battery > Data List



5. Check that the value of "Hybrid/EV Battery Current" is between -0.5 A and 0.5 A with the ignition switch on (IG).

NOTICE:

If the value is outside the specified range, perform the road test again.

HINT:

- When the ignition switch is on (IG), if value of "Hybrid/EV Battery Current" is between -0.5 A and 0.5 A, current sensor offset learning has been completed.
- Even if the current sensor offset learning is not complete, the current sensor value will be corrected by repeating the road test a maximum of 7 times.

16. PERFORM INITIALIZATION

Click here [INFO](#)

17. 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.

Click here [INFO](#)

