

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM10000002BIBZ
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: PA10/PB10/PB12 (HYBRID TRANSMISSION / TRANSAXLE): MOTOR CABLE: 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 motor cable 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
for 2ZR-FXE: Replacement of ECM	Update ECU security key	Vehicle Control History (RoB) are stored	INFO
	ECU configuration	-	INFO
	Perform Vehicle Identification Number (VIN) registration	DTC is output	INFO
for M20A-FXS: Replacement of ECM	Update ECU security key	Vehicle Control History (RoB) are stored	INFO
	ECU configuration	-	INFO
	Perform Vehicle Identification Number (VIN) registration	DTC is output	INFO
Replacement of inverter with converter assembly	ECU configuration	-	INFO
	Resolver learning	<ul style="list-style-type: none"> DTCs are stored Slight vibration at a vehicle speed of 5 km/h (3 mph) or less Shock or vibration during acceleration 	2ZR-FXE: INFO for M20A-FXS HEV model: INFO for M20A-FXS PHEV Model: INFO
for PHEV Model: Service Plug Grip	High voltage fuse accumulated load history reset	DTCs are stored	INFO

CAUTION:

- Orange wire harnesses and connectors indicate high-voltage circuits. To prevent electric shock, always follow



the procedure described in the repair manual.

- 2ZR-FXE:

[Click here](#) INFO

- for M20A-FXS HEV Model:

[Click here](#) INFO

- for M20A-FXS PHEV Model:

[Click here](#) INFO

- To prevent electric shock, wear insulated gloves when working on wire harnesses and components of the high



voltage system.

HINT:

When the cable is disconnected / reconnected to the auxiliary battery terminal, systems temporarily stop operating. However, each system has a function that completes learning the first time the system is used.

Learning completes when vehicle is driven

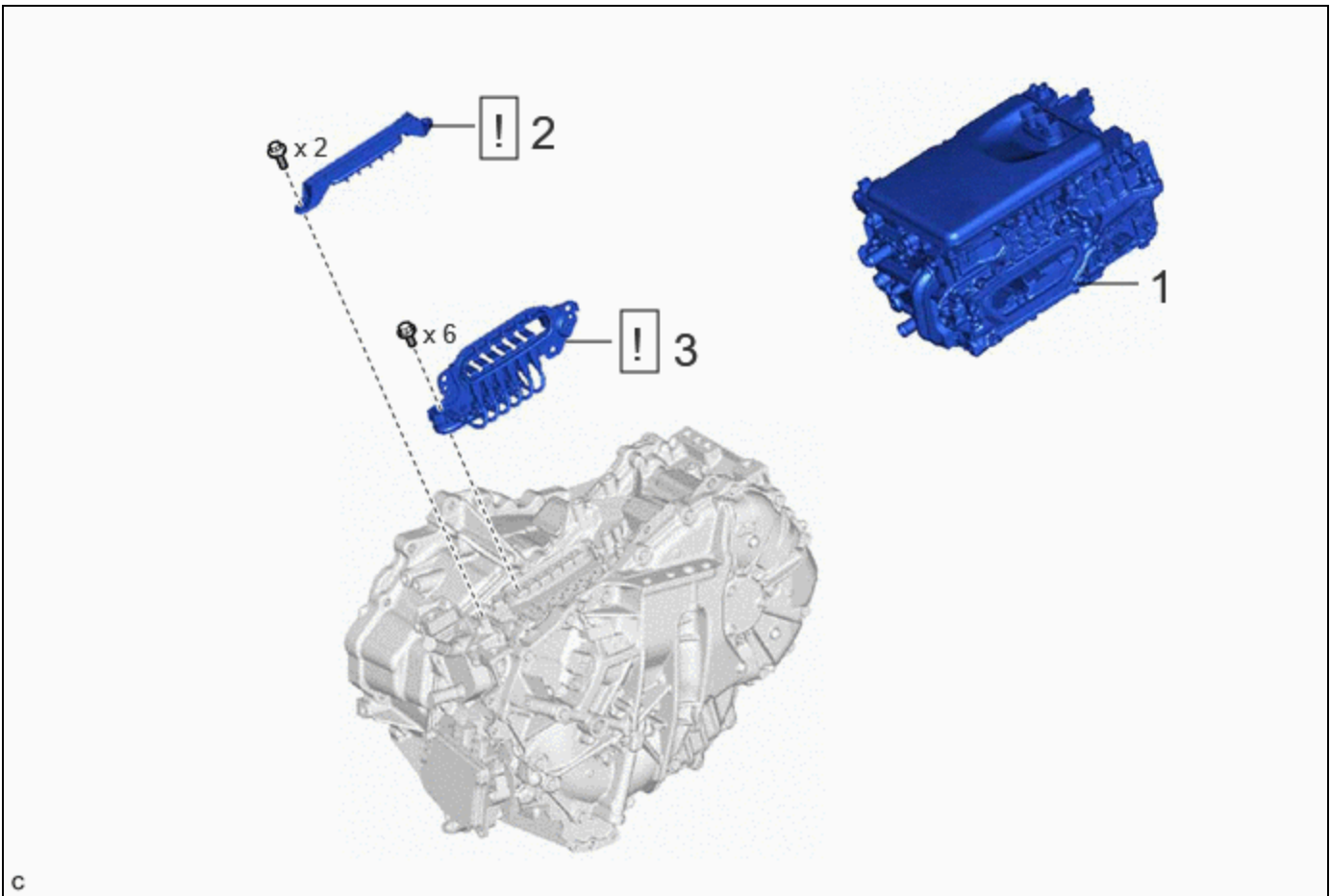
EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURE NOT PERFORMED	NECESSARY PROCEDURE	LINK
Front Camera System	Drive the vehicle straight ahead at 35 km/h (22 mph) or more for 5 seconds or more.	INFO

Learning completes when vehicle is operated normally

EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURE NOT PERFORMED	NECESSARY PROCEDURE	LINK
Power Door Lock Control System*1 <ul style="list-style-type: none"> • Back door opener 	Perform door unlock operation with door control switch or electrical key transmitter sub-assembly switch.	INFO
Power Back Door System*2	Reset back door close position	INFO
Air Conditioning System	<p>for HEV Model:</p> <p>After the ignition switch is turned to ON, the servo motor standard position is recognized.</p> <p>for PHEV Model:</p> <p>After the ignition switch is turned to ON, the servo motor and expansion valve standard position is recognized.</p>	-
<p>*1: w/o Power Back Door System</p> <p>*2: w/ Power Back Door System</p>		

CAUTION / NOTICE / HINT

COMPONENTS (REMOVAL)



PROCEDURE		PART NAME CODE			
1	INVERTER WITH CONVERTER ASSEMBLY	G9200	-	-	-
2	TERMINAL CAP	82823M	INFO	-	-
3	MOTOR CABLE	G1148	INFO	-	-

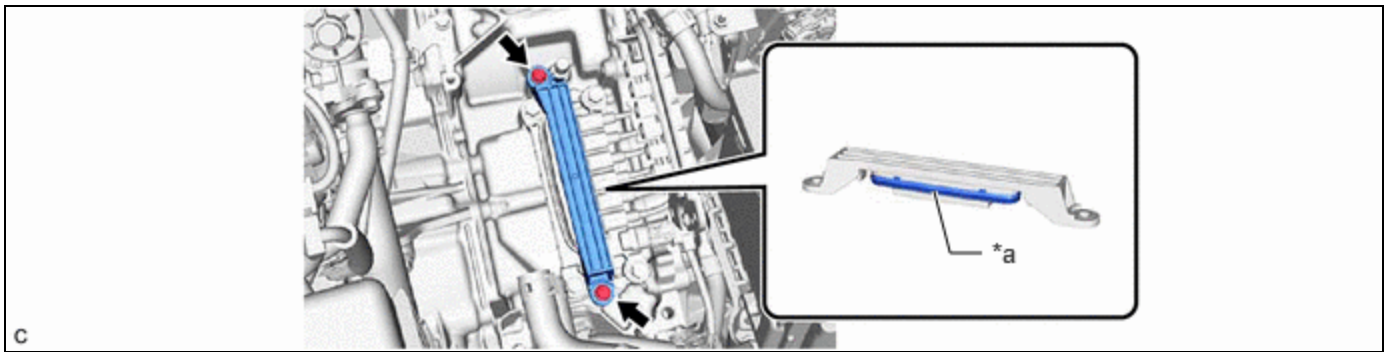
PROCEDURE

1. REMOVE INVERTER WITH CONVERTER ASSEMBLY

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

2. REMOVE TERMINAL CAP

	<p>CAUTION:</p> <p>Be sure to wear insulated gloves.</p> <p>NOTICE:</p> <ul style="list-style-type: none"> • Keep the motor cable terminals and their installation area free from foreign matter, water, etc. • Do not touch the waterproof seal of the terminal cap or terminals of the motor cable.
--	---



*a	Waterproof Seal	-	-
----	-----------------	---	---

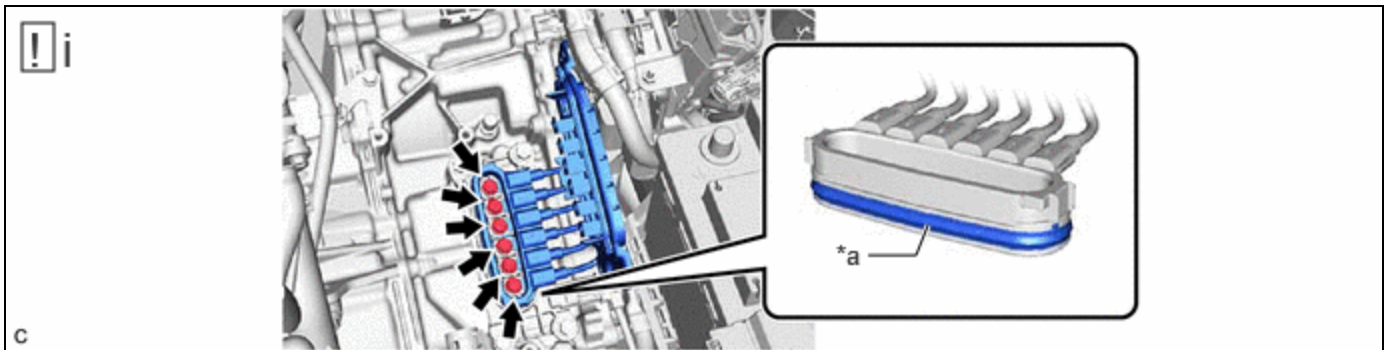
3. REMOVE MOTOR CABLE

!

CAUTION:
Be sure to wear insulated gloves.

NOTICE:

- Keep the motor cable terminals and their installation area free from foreign matter, water, etc.
- Do not touch the waterproof seal or terminals of the motor cable.
- After removing the motor cable, cover the opening of the hybrid vehicle transaxle assembly with tape (non-residue type) or equivalent to prevent entry of foreign matter and water.



*a	Waterproof Seal	-	-
----	-----------------	---	---

(1) Using an insulated tool, remove the 6 bolts and motor cable from the hybrid vehicle transaxle assembly.

