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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: Q810 (HYBRID TRANSMISSION / TRANSAXLE): MOTOR CABLE: REMOVAL; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

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 rear traction 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
Gas leak from exhaust system is repaired	Inspection after repair	<ul style="list-style-type: none"> Poor idle, etc. Engine start function, etc. 	INFO
Replacement of rear traction motor with transaxle assembly	<ul style="list-style-type: none"> Resolver learning Initialize resolver 	<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 	INFO
Suspension parts	Rear television camera assembly optical axis (Back camera position setting)	Parking Assist Monitor System	INFO
	Parking assist ECU initialization	Panoramic View Monitor System	INFO
		Advanced Park	INFO
Tires	<ul style="list-style-type: none"> Initialization*1*2 Tire Position Identification*1*2 	Tire Pressure Warning System	Refer to Procedures Necessary When Replacing Parts (for Tire Pressure Warning System) table below INFO
	Rear television camera assembly optical axis (Back camera position setting)	Parking Assist Monitor System	INFO
	Parking assist ECU initialization	Panoramic View Monitor System	INFO

*1: Also necessary after performing a tire rotation.

*2: It is not necessary to perform this procedure if the tire pressure warning valve and transmitters are installed to the same location.

REPLACED PART OR PERFORMED PROCEDURE	NECESSARY PROCEDURE	EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURE NOT PERFORMED	LINK
		Advanced Park	INFO
Rear wheel alignment adjustment	Perform "Calibration"	<ul style="list-style-type: none"> • DTCs are stored • ABS warning light illuminates • Brake system warning light (yellow indicator) illuminates • Slip indicator light illuminates • Electronically controlled brake system disabled or malfunctions 	INFO
<p>*1: Also necessary after performing a tire rotation.</p> <p>*2: It is not necessary to perform this procedure if the tire pressure warning valve and transmitters are installed to the same location.</p>			

CAUTION:

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



the procedure described in the repair manual.

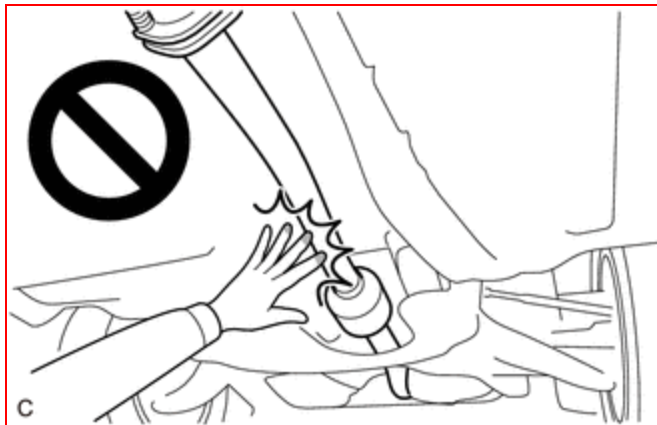
[Click here](#) [INFO](#)

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



voltage system.

- To prevent burns, do not touch the engine, exhaust pipe or other high temperature components while the



engine is hot.

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

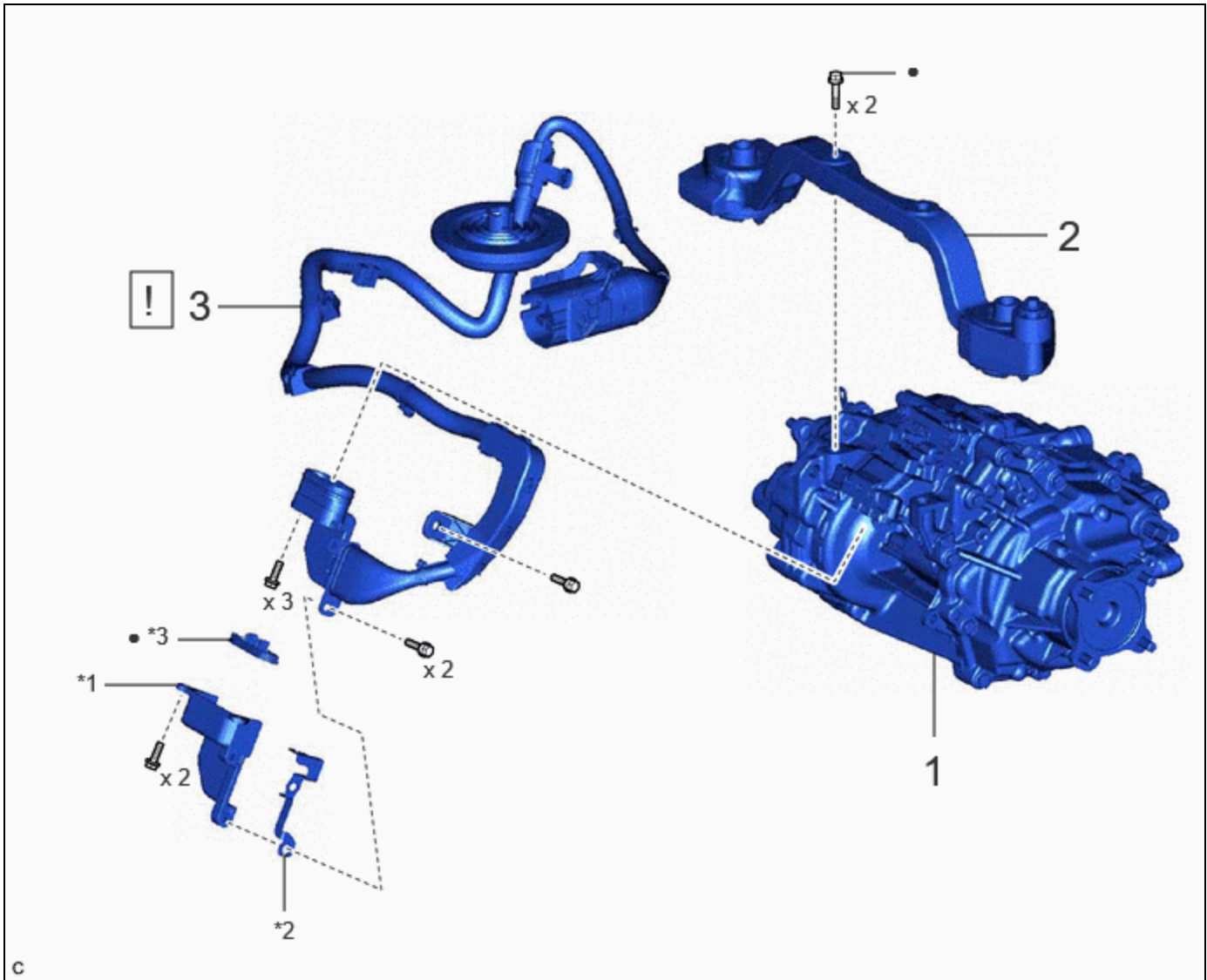
EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURE NOT PERFORMED	NECESSARY PROCEDURE	LINK
Front Camera System	Drive the vehicle straight ahead at 35 km/h (22 mph) or more for 5 seconds or more.	INFO

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	After the ignition switch is turned to ON, the servo motor standard position is recognized.	-
*1: w/o Power Back Door System		
*2: w/ Power Back Door System		

CAUTION / NOTICE / HINT

COMPONENTS (REMOVAL)



PROCEDURE		PART NAME CODE			
1	REAR TRACTION MOTOR WITH TRANSAXLE ASSEMBLY	G1050	-	-	-
2	FRONT DIFFERENTIAL SUPPORT ASSEMBLY	52380F	-	-	-
3	REAR TRACTION MOTOR CABLE	G1149		-	-

*1	CONNECTOR COVER	*2	CONNECTOR COVER BRACKET
*3	MOTOR CABLE TERMINAL CAP	-	-
•	Non-reusable part	-	-

PROCEDURE

1. REMOVE REAR TRACTION MOTOR WITH TRANSAXLE ASSEMBLY

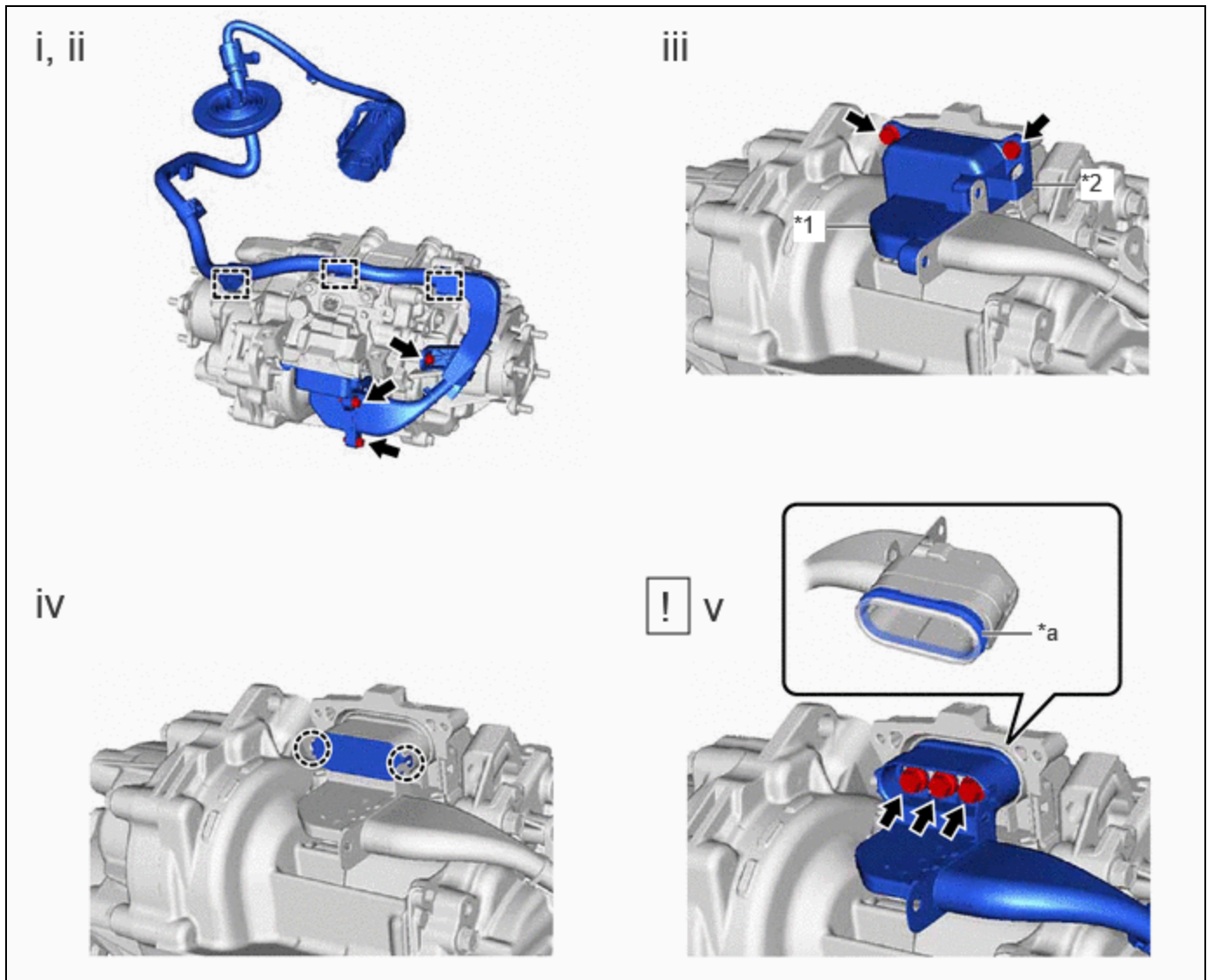
Click here [INFO](#)

2. REMOVE FRONT DIFFERENTIAL SUPPORT ASSEMBLY

Click here [INFO](#)

3. REMOVE REAR TRACTION MOTOR CABLE

	<p>CAUTION: Be sure to wear insulated gloves.</p>
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*1	Connector Cover	*2	Connector Cover Bracket
*a	Waterproof Seal	-	-

- (1) Disengage the 3 clamps to disconnect the rear traction motor cable from the rear traction motor with transaxle assembly.
- (2) Remove the 3 bolts to disconnect the rear traction motor cable from the connector cover and rear traction motor with transaxle assembly.

- (3) Remove the 2 bolts, connector cover and connector cover bracket from the rear traction motor with transaxle assembly.
- (4) Disengage the 2 claws to remove the motor cable terminal cap from the rear traction motor with transaxle assembly.
- (5) Using an insulated tool, remove the 3 bolts and rear traction motor cable from the rear traction motor with transaxle assembly.

NOTICE:

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

