

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM100000028PFQ
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: POWER ASSIST SYSTEMS: POWER STEERING SYSTEM: PRECAUTION; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

PRECAUTION

PRECAUTION FOR DISCONNECTING CABLE FROM NEGATIVE BATTERY TERMINAL

NOTICE:

- After the ignition switch is turned off, there may be a waiting time before disconnecting the negative (-) auxiliary battery terminal.

Click here [INFO](#)

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](#)

HANDLING PRECAUTIONS FOR SRS AIRBAG SYSTEM

- (a) This vehicle is equipped with a Supplemental Restraint System (SRS). Failure to carry out service operations in the correct sequence could cause the SRS to unexpectedly deploy during servicing. This may cause a serious accident.

Before servicing (including inspection, replacement, removal and installation of parts), be sure to read the precautionary notices for the Supplemental Restraint System.

Click here [INFO](#)

PRECAUTIONS FOR REMOVAL, INSTALLATION AND REPLACEMENT OF ELECTRONIC POWER STEERING COMPONENTS

- (a) Be sure to align the front wheels straight ahead when removing and installing the steering gear assembly.
- (b) When disconnecting the steering intermediate shaft assembly, be sure to place matchmarks before starting the operation.
- (c) When the power steering ECU assembly has been replaced, perform ECU security key registration.

Click here [INFO](#)

- (d) When the power steering ECU assembly has been replaced, perform ECU writing.

Click here [INFO](#)

HINT:

When performing ECU writing, the EPS warning light may illuminate and the buzzer may sound.

- (e) When the power steering ECU assembly or electric power steering column sub-assembly has been replaced, perform Power Steering ECU Initial Setting (torque sensor zero point calibration and assistmap writing).

Click here [INFO](#)

- (f) When the power steering ECU assembly or electric power steering column sub-assembly has been replaced, perform end position initial setting.

Click here [INFO](#)

HANDLING PRECAUTION

(a) When handling electronic parts:

- (1) Do not subject any parts such as ECUs and relays to any impact. Replace them with new ones if dropped or subjected to a strong impact.
- (2) Do not expose any electronic parts to high temperatures or humidity.
- (3) In order to prevent deformation or malfunctions due to static electricity, do not touch the connector terminals.

(b) When handling the power steering ECU assembly:

- (1) When replacing the power steering ECU assembly, make sure to replace each power steering ECU assembly with a new one.

NOTICE:

Do not use a power steering ECU assembly intended from another vehicle (demo models, etc.).

(c) When disconnecting and reconnecting the connectors:

- (1) Before disconnecting connectors related to the power steering system, turn the ignition switch to ON, center the steering wheel, turn the ignition switch off, and then disconnect the connectors.
- (2) Before reconnecting connectors related to the power steering system, ensure that the ignition switch is off. Then center the steering wheel and turn the ignition switch to ON.

NOTICE:

Do not turn the ignition switch to ON when the steering wheel is not centered.

PRECAUTIONS FOR CAN COMMUNICATION

- (a) CAN communication lines are used to receive information from the No.2 skid control ECU (brake actuator assembly) and hybrid vehicle control ECU and to transmit warnings to the combination meter assembly. When problems are detected in the CAN communication lines, CAN communication DTCs are stored.
- (b) If any CAN communication system DTCs are output, perform troubleshooting for the CAN communication system first.
- (c) The wiring used for each communication line is a twisted pair of wires that have an equal length. Do not temporarily repair a CAN communication line with a bypass wire or equivalent.

