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| Model Year Start: 2023 | Model: Prius Prime | Prod Date Range: [12/2022 -] |
| Title: POWER ASSIST SYSTEMS: POWER STEERING SYSTEM: VEHICLE CONTROL HISTORY (RoB); 2023 - 2024 MY Prius Prius Prime [12/2022 -] | | |

VEHICLE CONTROL HISTORY (RoB)

DESCRIPTION

- Vehicle Control History is a function that captures and stores ECU data when triggered by specific vehicle behavior.
- It may be possible to determine the cause of the malfunction by checking the vehicle history information and freeze frame data.
- The number of possible stored Freeze Frame Data sets, whether multi Freeze Frame Data is available, the number of freeze frame points, Freeze Frame Data items, the ECU internal range, etc., is different depending on the stored group.
- The stored data items for Vehicle Control History Freeze Frame Data are different depending on the stored group. When the value of a data item does not change across all points, only the value of the detection point will be displayed. The contents of the Freeze Frame Data is almost the same as that of the Data List.

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PRECAUTIONS

- As Vehicle Control History may be overwritten whenever the trigger conditions are met, make sure to save Vehicle Control History before performing any inspections.
- As Vehicle Control History may be stored when performing an Active Test, learning, etc., make sure to clear the Vehicle Control History before returning the vehicle to the customer.



CHECK VEHICLE CONTROL HISTORY (POWER STEERING SYSTEM)

- Turn the ignition switch off.
- Connect the GTS to the DLC3.
- Turn the ignition switch to ON.
- Turn the GTS on.
- Enter the following menus: Chassis / EMPS / Utility / Vehicle Control History (RoB).

Chassis > EMPS > Utility

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| TESTER DISPLAY |
| Vehicle Control History (RoB) |

Vehicle Control History Item (Power Steering System)

| FFD GROUP | CODE | TESTER DISPLAY | MEASUREMENT ITEM | DIAGNOSTIC NOTE |
|-----------|-------|--|--|---|
| - | X200C | Vehicle Speed Signal Invalidity | <ul style="list-style-type: none"> • Latest vehicle speed signal invalid history • Latest vehicle speed signal fault control history (applicable only when CAN Vehicle Speed (SP1) is invalid) | - |
| - | X206D | Power Source Stop | Latest Engine Stall/READY OFF Control History | - |
| - | X206E | High Load Continuation | Latest High Load Continuous Control Number of Times | - |
| - | X206F | Prevention of ECU/Motor Overheat | Latest Overheat Prevention Control History | - |
| - | X208F | Battery Voltage Drop | <ul style="list-style-type: none"> • Latest Battery Voltage Drop History • Latest Power Supply Voltage Drop Control History • Latest Power Supply Voltage Drop Restraint Control History • Latest Chassis Power Supply Management EPS Control History • Latest Load Control History | - |
| - | X2600 | Software Incompatibility with ENG/HV Control Module (Not Programmed) | History stored when vehicle information (gasoline/HV) is not stored | - |
| - | X2601 | Software Inconsistency with ENG/HV Control Module | <ul style="list-style-type: none"> • History stored when Assist Map Writing has not been performed • History stored when assist map data does not match • History stored when vehicle information (gasoline/HV) does not match | - |
| - | X2610 | Torque Sensor Missing Calibration of Adjustment Value Non-Memory | History stored when zero point calibration not performed | - |
| - | X2611 | Torque Sensor Missing Calibration of Adjustment Incomplete | History stored when zero point calibration failed | - |
| - | XF01B | ECU Security Key NotRegistered | ECU security key not updated |  |
| - | XF021 | Software Not Programmed | At the time of software non-writing |  |

CLEAR VEHICLE CONTROL HISTORY (POWER STEERING SYSTEM)

- Turn the ignition switch off.
- Connect the GTS to the DLC3.
- Turn the ignition switch to ON.

(d) Turn the GTS on.

(e) Enter the following menus: Chassis / EMPS / Utility / Vehicle Control History (RoB).

Chassis > EMPS > Utility



(f) Press the DTC clear button.

NOTICE:

By performing this procedure, all stored Vehicle Control History items will be cleared.

VEHICLE CONTROL HISTORY (AIRBAG SYSTEM)

HINT:

A part of the control history can be confirmed using the vehicle control history.

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