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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: HYBRID / BATTERY CONTROL: PLUG-IN CHARGE CONTROL SYSTEM (for PHEV Model): Charging Starts Immediately Despite Charge Schedule Setting; 2023 - 2024 MY Prius Prime [03/2023 -]		

Charging Starts Immediately Despite Charge Schedule Setting

PROCEDURE

1. CHECK DTC OUTPUT (HEALTH CHECK)

(a) Enter the following menus: Health Check.

(b) Check DTCs.

RESULT	PROCEED TO
No DTCs are output	A
DTCs are output	B

(c) Turn the ignition switch off.

B  **GO TO DTC CHART**

A


2. CHECK FOR VEHICLE CONTROL HISTORY (RoB)

(a) Enter the following menus.

Powertrain > Plug-in Control > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

(b) Check for Vehicle Control History (RoB) except AC Charging History (X10F0).

HINT:

Vehicle Control History (RoB) items AC Charging History (X10F0) is stored each time plug-in charging is performed, and is also stored when plug-in charging completes without error from start to finish.

For this reason, the fact that they are output does not directly indicate any malfunction or problem.

(c) Enter the following menus.

Powertrain > Hybrid Control > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

(d) Check for Vehicle Control History (RoB).

RESULT	PROCEED TO
Vehicle Control History (RoB) not stored	A
Vehicle Control History (RoB) stored	B

(e) Turn the ignition switch off.

B ► GO TO VEHICLE CONTROL HISTORY

- PLUG-IN CHARGE CONTROL SYSTEM

Click here [INFO](#)

- HYBRID CONTROL SYSTEM

Click here [INFO](#)

A



3.	SIMULATION TEST (SETTING CHARGE SCHEDULE)
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NOTICE:

- Make sure to use a known good AC power source.
- Use the same voltage that the customer used to plug-in charge the vehicle.

HINT:

- When setting a charging start time, in order to prevent charging from starting immediately, make sure to set it for least 5 minutes from the current time.
- As timer charging is performed based on the time, year, month and day of the Multimedia Display.

HINT:

Calendar settings:

The current date and time is automatically set using GPS. However, if the automatic setting of the clock is turned off on the Multimedia Display, it is necessary to turn it on.

Then move the vehicle to a location where it can receive a GPS signal.

(a) Enter the following menus: Health Check.

(b) Clear DTCs.

(c) Enter the following menus.

Powertrain > Plug-in Control > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

(d) Clear all Vehicle Control History items.

(e) Enter the following menus.

Powertrain > Hybrid Control > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

(f) Clear all Vehicle Control History items.

(g) Check that the time displayed on the multi-information display is correct.

(h) Set the charge schedule.

(i) Turn the ignition switch off.

(j) Connect the charging cable (electric vehicle charger cable assembly) to the vehicle and charge the HV battery using the timer charging.

(k) Enter the following menus: Health Check.

(l) Check DTCs.

(m) Enter the following menus.

Powertrain > Plug-in Control > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

(n) Enter the following menus.

Powertrain > Hybrid Control > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

(o) Check for Vehicle Control History (RoB).

(p) Turn the ignition switch off.

(q) Disconnect the charging cable (electric vehicle charger cable assembly).

RESULT	PROCEED TO
DTCs output	A
No DTCs output, Vehicle Control History (RoB) stored	B
Other than above	C

A ► **GO TO DTC CHART**

B ► **GO TO VEHICLE CONTROL HISTORY**

- PLUG-IN CHARGE CONTROL SYSTEM

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- HYBRID CONTROL SYSTEM

Click here [INFO](#)

C ► (a) Analyze the cause according to the following table.

User Related Cause

POSSIBLE CAUSE	ACTION TO BE TAKEN
Incorrect time, year, month or day set on multi-information display	Explain to the customer that the charge schedule operates according to the time and date (day of week) set in the vehicle. HINT: Explain to the customer that as the time and date are set using the GPS function of the radio and display receiver assembly. Therefore, turn the GPS ON.
Charge schedule setting was wrong	Interview customer and provide instruction on usage. CAUSE ANALYSIS (USER RELATED CAUSE) (Refer to Owner's Manual.)
Charge Now was set to ON	Explain to the customer that the Charge Now should be set to OFF when setting the charge schedule.
Charge schedule was set to OFF	Explain to the customer that the charge schedule should be set to ON.
Charging connector was disconnected and	Explain to the customer that if the charging connector is disconnected

POSSIBLE CAUSE	ACTION TO BE TAKEN
reconnected while charging indicator (EV charger lid indicator) was blinking (normal: 1 second interval)	and then connected while the charging indicator (EV charger lid indicator) is blinking (normal: 1 second interval), the charge schedule will be canceled.
"My Room Mode" or Remote air conditioning system was operated	<p>Explain to the customer that if the "My Room Mode" or remote air conditioning system is operated, the charge schedule will be canceled and charging will start immediately.</p> <p>Explain to the customer that to activate the charge schedule after the "My Room Mode" or remote air conditioning system is operated, stop the remote air conditioning system and disconnect and connect the charging connector.</p>

(b) Take appropriate action in accordance with the result of the cause analysis.

