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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: ADVANCED PARK: ADVANCED PARK: HOW TO PROCEED WITH TROUBLESHOOTING; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

HOW TO PROCEED WITH TROUBLESHOOTING

CAUTION / NOTICE / HINT

HINT:

- Use the following procedure to troubleshoot the advanced park.
- *: Use the GTS.

PROCEDURE

1. VEHICLE BROUGHT TO WORKSHOP

NEXT



2. CUSTOMER PROBLEM ANALYSIS

NEXT



3. INSPECT AUXILIARY BATTERY VOLTAGE

(a) Measure the auxiliary battery voltage with the ignition switch off.

Standard voltage:

11 to 14 V

If the voltage is below 11 V, replace or recharge the auxiliary battery before proceeding to the next step.

NEXT



4. CHECK CAN COMMUNICATION SYSTEM*

(a) Use the GTS to check if the CAN communication system is functioning normally.

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

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

RESULT	PROCEED TO
CAN communication system DTCs are not output	A
CAN communication system DTCs are output	B

B ▶ GO TO CAN COMMUNICATION SYSTEM

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

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

A
▼

5. CHECK AUDIO AND VISUAL SYSTEM

(a) Use the GTS to check if the audio and visual system is functioning normally.

Body Electrical > Navigation System > Trouble Codes

Body Electrical > Navigation System > Clear DTCs

RESULT	PROCEED TO
DTCs are not output	A
DTCs are output	B

B ▶ GO TO AUDIO AND VISUAL SYSTEM

A
▼

6. CHECK PANORAMIC VIEW MONITOR SYSTEM*

(a) Use the GTS to check if the panoramic view monitor system is functioning normally.

Chassis > Circumference Monitoring Camera Control Module > Trouble Codes

Chassis > Circumference Monitoring Camera Control Module > Clear DTCs

RESULT	PROCEED TO
DTCs are not output	A
DTCs are output	B

B  **GO TO PANORAMIC VIEW MONITOR SYSTEM**

A



7.	PROBLEM SYMPTOM CONFIRMATION
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NEXT



8.	CHECK FOR DTC*
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(a) Check for DTCs and note any codes that are output.

Body Electrical > Clearance Warning > Trouble Codes

(b) Clear the DTCs.

Body Electrical > Clearance Warning > Clear DTCs

(c) Try to reproduce the problem symptoms based on the recorded DTCs, and then check if the DTCs are output again.

Body Electrical > Clearance Warning > Trouble Codes

RESULT	PROCEED TO
DTCs are output	A
DTCs are not output	B

B  **GO TO STEP 10**



9.	DIAGNOSTIC TROUBLE CODE CHART
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(a) Refer to Diagnostic Trouble Code Chart.

Click here [INFO](#)

NOTICE:

The clearance warning ECU assembly outputs DTCs for the following system. When DTCs other than those in Diagnostic Trouble Code Chart for the advanced park are output, refer to Diagnostic Trouble Code Chart for the relevant systems.

SYSTEM	PROCEED TO
Intuitive Parking Assist-sensor System	INFO
Parking Support Brake System	INFO

NEXT [GO TO STEP 16](#)

10.	CHECK FOR VEHICLE CONTROL HISTORY(ROB) (PANORAMIC VIEW MONITOR SYSTEM)*
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HINT:

Refer to Vehicle Control History(ROB).

Click here [INFO](#)

(a) Check for vehicle control history(ROB) and note any codes that are output.

Chassis > Circumference Monitoring Camera Control Module > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

RESULT	PROCEED TO
No vehicle control history(ROB) is output	A
Vehicle control history(ROB) is output	B

B [GO TO VEHICLE CONTROL HISTORY\(ROB\)](#)





11. CHECK AUDIO AND VISUAL SYSTEM

HINT:

Refer to Vehicle Control History(ROB).

Click here [INFO](#)

(a) Check for vehicle control history(ROB) and note any codes that are output.

Body Electrical > Navigation System > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

RESULT	PROCEED TO
No vehicle control history(ROB) is output	A
Vehicle control history(ROB) is output	B

B **GO TO VEHICLE CONTROL HISTORY(ROB)**

A



12. CHECK FOR VEHICLE CONTROL HISTORY(ROB)*

HINT:

Refer to Vehicle Control History(ROB).

Click here [INFO](#)

(a) Check for vehicle control history(ROB) and note any codes that are output.

Body Electrical > Clearance Warning > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

RESULT	PROCEED TO
No vehicle control history(ROB) is output (Problem symptom does not occur)	A
No vehicle control history(ROB) is output (Problem symptom occurs)	B
X20C0, X20C1, X20C2 or X20C3 is output	C
Any vehicle control history(ROB) other than X20C0, X20C1, X20C2 or X20C3 is output	D

B ► **GO TO STEP 14**

C ► **GO TO CALIBRATION**

D ► **GO TO VEHICLE CONTROL HISTORY(ROB)**

A



13.	SYMPTOM SIMULATION
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(a) Refer to Symptom Simulation.

Click here [INFO](#)

NEXT



14.	PROBLEM SYMPTOMS TABLE
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(a) Refer to Problem Symptoms Table.

Click here [INFO](#)

RESULT	PROCEED TO
Fault is not listed in Problem Symptoms Table	A
Fault is listed in Problem Symptoms Table	B

B  **GO TO STEP 16****A****15. OVERALL ANALYSIS AND TROUBLESHOOTING***

(a) Terminals of ECU

Click here 

(b) Data List / Active Test

Click here **NEXT****16. CIRCUIT INSPECTION****NEXT****17. IDENTIFICATION OF PROBLEM****NEXT****18. REPAIR OR REPLACE****NEXT****19. CONFIRMATION TEST**

NEXT  **END**

