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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: PARK ASSIST / MONITORING: INTUITIVE PARKING ASSIST SYSTEM: 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 intuitive parking assist system.
- *: 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 PHEV Model: Click here [INFO](#)

for HEV 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.	SYSTEM CHECK
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(a) Check the vehicle specifications.

NEXT



6.	PROBLEM SYMPTOM CONFIRMATION
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NEXT



7.	CHECK 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) Check for DTCs.

Body Electrical > Clearance Warning > Trouble Codes

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

B  **GO TO STEP 9**

A





8. DIAGNOSTIC TROUBLE CODE CHART (INTUITIVE PARKING ASSIST SYSTEM)

(a) Refer to Diagnostic Trouble Code Chart.

Click here 

NOTICE:

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

SYSTEM	PROCEED TO
Parking Support Brake System	
Advanced Park	

NEXT  **GO TO STEP 13**

9. CHECK FOR VEHICLE CONTROL HISTORY (RoB)

HINT:

Refer to Vehicle Control History (RoB).

Click here 

(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 or X20C1 is output	C
Any vehicle control History (RoB) other than X20C0 and X20C1 is output	D

B ► **GO TO STEP 11**

C ► **GO TO CALIBRATION**

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

A



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

Click here [INFO](#)

NEXT



11.	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 13**

A



12.	OVERALL ANALYSIS AND TROUBLESHOOTING*
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(a) Terminals of ECU

Click here [INFO](#)

(b) Data List / Active Test

Click here [INFO](#)

NEXT



13.	CIRCUIT INSPECTION
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NEXT



14.	IDENTIFICATION OF PROBLEM
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NEXT



15.	REPAIR OR REPLACE
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NEXT



16.	CONFIRMATION TEST
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NEXT  **END**

