

<b>Last Modified:</b> 12-04-2024	6.11:8.1.0	<b>Doc ID:</b> RM10000002BNI6
<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [03/2023 - ]
<b>Title:</b> ADVANCED DRIVER ASSISTANCE SYSTEM: AUTOMATIC HIGH BEAM 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 automatic high beam system.
- \*: Use the GTS.

**PROCEDURE**

<b>1.</b>	<b>VEHICLE BROUGHT TO WORKSHOP</b>
-----------	------------------------------------

**NEXT**



<b>2.</b>	<b>CUSTOMER PROBLEM ANALYSIS</b>
-----------	----------------------------------

**HINT:**

- In troubleshooting, confirm that the problem symptoms have been accurately identified. Preconceptions should be discarded in order to make an accurate judgment. To clearly understand what the problem symptoms are, it is extremely important to ask the customer about the problem and the conditions at the time the malfunction occurred.
- Gather as much information as possible for reference. Past problems that seem unrelated may also help in some cases.
- The following 5 items are important points for problem analysis:

What	Vehicle model, system name
When	Date, time, occurrence frequency
Where	Road conditions
Under what conditions?	Driving conditions, weather conditions
How did it happen?	Problem symptoms

**NEXT**



<b>3.</b>	<b>PRE-CHECK</b>
-----------	------------------

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

Standard Voltage:

11 to 14 V

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

(b) Check the fuses and relays.

(c) Check the connector connections and terminals to make sure that there are no abnormalities such as loose connections, deformation, etc.

## NEXT



### 4. CHECK COMMUNICATION FUNCTION OF CAN COMMUNICATION SYSTEM\*

(a) Using the GTS, check for CAN communication system DTCs.

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

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

RESULT	PROCEED TO
CAN DTCs are not output	A
CAN 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 FOR DTC\*

(a) Check for DTCs.

**Body Electrical > Main Body > Trouble Codes**

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

**B**  **GO TO DIAGNOSTIC TROUBLE CODE CHART**

**A**



<b>6.</b>	<b>CHECK FOR DTC*</b>
-----------	-----------------------

(a) Check for DTCs.

**Chassis > Front Recognition Camera > Trouble Codes**

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

**B**  **GO TO DIAGNOSTIC TROUBLE CODE CHART**

**A**



<b>7.</b>	<b>CHECK VEHICLE CONTROL HISTORY*</b>
-----------	---------------------------------------

(a) Using the GTS, check for Vehicle Control History (RoB).

**Chassis > Front Recognition Camera > Utility**

TESTER DISPLAY
Vehicle Control History (RoB)

**NOTICE:**

Make sure to record the output Vehicle Control History.

RESULT	PROCEED TO
Vehicle Control History codes are not output	A
Vehicle Control History codes are output	B

**B** ► **GO TO VEHICLE CONTROL HISTORY**

**A**



<b>8.</b>	<b>PROBLEM SYMPTOMS TABLE</b>
-----------	-------------------------------

(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 PROBLEM SYMPTOMS TABLE**

**A**



<b>9.</b>	<b>OVERALL ANALYSIS AND TROUBLESHOOTING*</b>
-----------	--

(a) Operation Check.

Click here [INFO](#)

(b) Terminals of ECU.

Click here [INFO](#)

(c) Data List / Active Test.

Click here [INFO](#)

(d) On-vehicle Inspection.

(e) Inspection.

**NEXT**



<b>10.</b>	<b>ADJUST, REPAIR OR REPLACE</b>
------------	----------------------------------

**NEXT**



<b>11.</b>	<b>CONFIRMATION TEST</b>
------------	--------------------------

**NEXT**  **END**

