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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: TRAFFIC JAM ASSIST: TRAFFIC JAM 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 traffic jam assist system.
- *: Use the GTS.

PROCEDURE

1.	VEHICLE BROUGHT TO WORKSHOP
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NEXT



2.	CUSTOMER PROBLEM ANALYSIS
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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



3.	PRE-CHECK
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(a) Measure the auxiliary battery voltage with the ignition switch off.

Standard voltage:

11 to 14 V

HINT:

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 (FRONT RECOGNITION CAMERA)*

(a) Using the GTS, check for DTCs.

Chassis > Front Recognition Camera > Trouble Codes

(b) If a DTC is output, record the DTC.

RESULT	PROCEED TO
DTCs are not output	A
DTC C10001C, C10051C, C100A62, C1A7F49, C1A9346, C1A9447, C1A9500, C1A7E49 or C1AA800 is output	B
DTC other than C10001C, C10051C, C100A62, C1A7F49, C1A9346, C1A9447, C1A9500, C1A7E49 and C1AA800 is output	C

B ► **GO TO DIAGNOSTIC TROUBLE CODE CHART (C10001C, C10051C, C100A62, C1A7F49, C1A9346, C1A9447, C1A9500, C1A7E49 or C1AA800)**

C ► **GO TO STEP 19**

A
▼

6.	CHECK FOR DTC (FRONT RADAR SENSOR)*
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(a) Using the GTS, check for DTCs.

Body Electrical > Front Radar Sensor > Trouble Codes

RESULT	PROCEED TO
DTCs are not output	A
DTC C1A1100 is output	B
DTCs other than C1A1100 are output	C

B ► **GO TO DIAGNOSTIC TROUBLE CODE CHART (C1A1100)**

C ► **GO TO STEP 18**

A
▼

7.	CHECK FOR DTC (FRONT SIDE RADAR SENSOR)*
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(a) Using the GTS, check for DTCs.

Body Electrical > Front Side Radar "A" > Trouble Codes

Body Electrical > Front Side Radar "B" > Trouble Codes

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

B  **GO TO DIAGNOSTIC TROUBLE CODE CHART**

A



8.	CHECK FOR DTC (DRIVER MONITOR CAMERA CONTROL)*
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(a) Using the GTS, check for DTCs.

Chassis > Driver Monitor Camera Control > Trouble Codes

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

B  **GO TO DIAGNOSTIC TROUBLE CODE CHART**

A



9.	CHECK VEHICLE CONTROL HISTORY (RoB) (FRONT RECOGNITION CAMERA)*
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(a) Using the GTS, check for Vehicle Control History (RoB).

HINT:

Based on the customer interview results, narrow down the cause of the malfunction and check the related Vehicle Control History (RoB).

Chassis > Front Recognition Camera > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

(b) Make a note of the output Vehicle Control History (RoB).

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

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

A



10.	CHECK VEHICLE CONTROL HISTORY (RoB) (FRONT RADAR SENSOR)*
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(a) Using the GTS, check for Vehicle Control History (RoB).

Body Electrical > Front Radar Sensor > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

(b) Make a note of the output Vehicle Control History (RoB).

RESULT	PROCEED TO
Vehicle Control History (RoB) codes are not output	A
Vehicle Control History (RoB) code X2024, X2025, X2026 or X2028 is output	B
Vehicle Control History (RoB) codes other than X2024, X2025, X2026 and X2028 are output	C

B ► **GO TO VEHICLE CONTROL HISTORY (RoB) (X2024, X2025, X2026 or X2028)**

C ► **GO TO STEP 17**

A
▼

11. CHECK VEHICLE CONTROL HISTORY (RoB) (FRONT SIDE RADAR SENSOR)*

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

Body Electrical > Front Side Radar "A" > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

Body Electrical > Front Side Radar "B" > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

(b) Make a note of the output Vehicle Control History (RoB).

RESULT	PROCEED TO
No vehicle control history (RoB) is output	A
Any vehicle control history (RoB) is output	B

B ▶ GO TO VEHICLE CONTROL HISTORY (RoB)

A
▼

12. CHECK FOR VEHICLE CONTROL HISTORY (RoB) (DRIVER MONITOR CAMERA CONTROL)*

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

Chassis > Driver Monitor Camera Control > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

(b) If the vehicle control history (RoB) is output, record it.

RESULT	PROCEED TO
Vehicle control history (RoB) is not output	A
Vehicle control history (RoB) is output	B

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

A
▼

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

Front camera system: Click here [INFO](#)

Front radar sensor system: Click here [INFO](#)

Front side radar sensor system: Click here [INFO](#)

Driver monitor camera system: 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 15**

A
▼

14.	PERFORM TROUBLESHOOTING
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(a) Data List / Active Test

Front camera system: Click here [INFO](#)

Front radar sensor system: Click here [INFO](#)

Front side radar sensor system: Click here [INFO](#)

Driver monitor camera system: Click here [INFO](#)

(b) Refer to Terminals of ECU.

Front camera system: Click here [INFO](#)

Front radar sensor system: Click here [INFO](#)

Front side radar sensor system: Click here [INFO](#)

Driver monitor camera system: Click here [INFO](#)

NEXT  **GO TO STEP 15**

15.	ADJUST, REPAIR OR REPLACE
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NEXT


16.	CONFIRMATION TEST
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NEXT  **END**

17.	RECONFIRM VEHICLE CONTROL HISTORY*
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(a) Using the GTS, clear the Vehicle Control History (RoB).

Body Electrical > Front Radar Sensor > Utility



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

Body Electrical > Front Radar Sensor > Utility



RESULT	PROCEED TO
Vehicle Control History (RoB) codes are not output	A

RESULT	PROCEED TO
Vehicle Control History (RoB) codes are output	B

A ► **GO TO STEP 14**

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

18.	RECONFIRM DTC OUTPUT*
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(a) Using the GTS, clear the DTCs.

Body Electrical > Front Radar Sensor > Clear DTCs

(b) Reproduce the vehicle conditions that were present when the DTCs that were noted were stored.

HINT:

Refer to each corresponding DTC for details on the detection conditions.

Click here [INFO](#)

(c) Using the GTS, check for DTCs.

Body Electrical > Front Radar Sensor > Trouble Codes

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

A ► **GO TO STEP 9**

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

19.	RECONFIRM DTC OUTPUT (FRONT RECOGNITION CAMERA)*
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(a) Using the GTS, clear the DTCs.

Chassis > Front Recognition Camera > Clear DTCs

(b) Reproduce the vehicle conditions that were present when the DTCs that were noted were stored.

HINT:

Refer to each corresponding DTC for details on the detection conditions.

Click here [INFO](#)

(c) Using the GTS, check for DTCs.

Chassis > Front Recognition Camera > Trouble Codes

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

A ► **GO TO STEP 9**

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

