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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: SUPPLEMENTAL RESTRAINT SYSTEMS: OCCUPANT CLASSIFICATION 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 occupant classification system.
- *: Use the GTS.

PROCEDURE

1. VEHICLE BROUGHT TO WORKSHOP

NEXT



2. CUSTOMER PROBLEM ANALYSIS

(a) Confirm problem symptoms.

Click here [INFO](#)

NEXT



3. INSPECT AUXILIARY BATTERY VOLTAGE

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

Standard Voltage:

11 to 14 V

HINT:

- A simple method to determine whether the auxiliary battery is discharged is to operate the horn.
- If the voltage is below 11 V, recharge or replace the auxiliary battery before proceeding.

(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 CAN COMMUNICATION SYSTEM***

(a) Using the GTS, check that the CAN communication system is functioning normally.

OK:

CAN communication system is functioning normally.

HINT:

- Refer to CAN Bus Check in CAN Communication System.

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

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

- The airbag ECU assembly is connected to the CAN communication system. Therefore, before starting troubleshooting, make sure to check that there are no malfunctions in the CAN communication system.

NG ► GO TO CAN COMMUNICATION SYSTEM

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

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

OK**5. CHECK PASSENGER AIRBAG ON/OFF INDICATOR**

(a) Refer to Operation Check.

Click here [INFO](#)

NEXT**6. CHECK DTC***

(a) Check for DTCs.

Body Electrical > SRS Airbag > Trouble Codes

HINT:

Record or print DTCs if necessary.

RESULT	PROCEED TO
No DTCs are output	A
Airbag system DTCs are output	B
Occupant classification system DTCs are output	C

A ► **GO TO PROBLEM SYMPTOMS TABLE**

B ► **GO TO AIRBAG SYSTEM**

C



7.	CLEAR DTC*
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NOTICE:

Make sure to record any output Freeze Frame Data and Vehicle Control History (RoB) codes before clearing them and checking the DTC again.

(a) Clear the DTCs.

Body Electrical > SRS Airbag > Clear DTCs

NEXT



8.	CHECK DTC*
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(a) Check for DTCs.

Body Electrical > SRS Airbag > Trouble Codes

HINT:

Record or print DTCs if necessary.

OK:

DTCs are not output.

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

OK
▼

9.	CHECK FOR VEHICLE CONTROL HISTORY*
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(a) Check for Vehicle Control History (RoB).

Body Electrical > SRS Airbag > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

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

A ► [GO TO PROBLEM SYMPTOMS TABLE](#)

B
▼

10.	CLEAR VEHICLE CONTROL HISTORY*
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NOTICE:

Make sure to record any output Freeze Frame Data and Vehicle Control History (RoB) codes before clearing them and checking the DTC again.

(a) Clear the Vehicle Control History (RoB).

Body Electrical > SRS Airbag > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

NEXT
▼

11. CHECK FOR VEHICLE CONTROL HISTORY*

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

Body Electrical > SRS Airbag > Utility

TESTER DISPLAY

Vehicle Control History (RoB)

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

A ► USE SIMULATION METHOD TO CHECK**B ► GO TO VEHICLE CONTROL HISTORY**