

<b>Last Modified:</b> 12-04-2024	6.11:8.1.0	<b>Doc ID:</b> RM100000028VR4
<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [12/2022 - ]
<b>Title:</b> PARK ASSIST / MONITORING: INTUITIVE PARKING ASSIST SYSTEM: C1AE496; Ultrasonic Sensor (Front Right Corner) Component Internal Failure; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

<b>DTC</b>	<b>C1AE496</b>	<b>Ultrasonic Sensor (Front Right Corner) Component Internal Failure</b>
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## DESCRIPTION

The front corner ultrasonic sensor RH is installed on the front bumper. The clearance warning ECU assembly detects obstacles based on signals it receives from the front corner ultrasonic sensor RH. If an open circuit or other malfunction occurs in the front corner ultrasonic sensor RH, the front corner ultrasonic sensor RH does not operate correctly.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
C1AE496	Ultrasonic Sensor (Front Right Corner) Component Internal Failure	Front corner ultrasonic sensor RH failure	<ul style="list-style-type: none"> <li>Front corner ultrasonic sensor RH</li> <li>Clearance warning ECU assembly</li> </ul>	Clearance Warning	B

## CAUTION / NOTICE / HINT

### NOTICE:

- Perform registration after replacing and installing the ultrasonic sensor or clearance warning ECU assembly.

Click here [INFO](#)

- If a DTC is detected again after the repair, turn the ignition switch to ON and turn the intuitive parking assist system on, and then clear the DTC.

## PROCEDURE

<b>1.</b>	<b>CLEAR DTC</b>
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(a) Clear the DTCs.

**Body Electrical > Clearance Warning > Clear DTCs**

### NEXT



<b>2.</b>	<b>CHECK FOR DTC</b>
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(a) Check for DTCs.

**Body Electrical > Clearance Warning > Trouble Codes**

RESULT	PROCEED TO
DTCs are not output	A
C1AE496 and C1AE487 are output	B
C1AE496 is output	C

**A** ► **USE SIMULATION METHOD TO CHECK**

**B** ► **GO TO OTHER FLOWCHART (C1AE487)**

**C**



**3. REPLACE FRONT CORNER ULTRASONIC SENSOR RH**

(a) Replace the front corner ultrasonic sensor RH with a new or normally functioning one.

**HINT:**

- Click here [INFO](#)
- To check if the ultrasonic sensor is functioning correctly, replace it with another ultrasonic sensor.

**NEXT**



**4. CLEAR DTC**

(a) Clear the DTCs.

**Body Electrical > Clearance Warning > Clear DTCs**

**NEXT**



**5. CHECK FOR DTC**

(a) Check for DTCs.

**Body Electrical > Clearance Warning > Trouble Codes**

RESULT	PROCEED TO
DTCs are not output	A
C1AE496 is output	B

**A ▶ END (FRONT CORNER ULTRASONIC SENSOR RH WAS DEFECTIVE)**

**B ▶ REPLACE CLEARANCE WARNING ECU ASSEMBLY**

