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<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: C1AF196; Ultrasonic Sensor (Rear Left Side) Component Internal Failure; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

<b>DTC</b>	<b>C1AF196</b>	<b>Ultrasonic Sensor (Rear Left Side) Component Internal Failure</b>
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## DESCRIPTION

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

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
C1AF196	Ultrasonic Sensor (Rear Left Side) Component Internal Failure	Rear side ultrasonic sensor (RLS sensor) malfunction	<ul style="list-style-type: none"> <li>Rear side ultrasonic sensor (RLS sensor)</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>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
C1AF196 and C1AF187 are output	B

RESULT	PROCEED TO
C1AF196 is output	C
None of the above conditions are met	D

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

**B** ► **GO TO DTC (C1AF187)**

**D** ► **GO TO DTC CHART** [INFO](#)

**C**



## 2. REPLACE REAR SIDE ULTRASONIC SENSOR (RLS SENSOR)

(a) Replace the rear side ultrasonic sensor (RLS sensor) with a known good one.

### HINT:

- Click here [INFO](#)
- All of the sensors are interchangeable. To confirm whether a sensor is functioning normally, switch it with a known good sensor from the other end of the vehicle.

**NEXT**



## 3. CLEAR DTC

(a) Clear the DTCs.

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

**NEXT**



## 4. CHECK FOR DTC

(a) Check for DTCs.

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

RESULT	PROCEED TO
DTCs are not output	A
C1AF196 is output	B
None of the above conditions are met	C

**A** ► **END (REAR SIDE ULTRASONIC SENSOR [RLS SENSOR] WAS DEFECTIVE)**

**B** ► **REPLACE CLEARANCE WARNING ECU ASSEMBLY**

**C** ► **GO TO DTC CHART** [INFO](#)

