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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: PARK ASSIST / MONITORING: INTUITIVE PARKING ASSIST SYSTEM: C1AE896; Ultrasonic Sensor (Rear Right Center) Component Internal Failure; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DTC	C1AE896	Ultrasonic Sensor (Rear Right Center) Component Internal Failure
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DESCRIPTION

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

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
C1AE896	Ultrasonic Sensor (Rear Right Center) Component Internal Failure	Rear center ultrasonic sensor RH malfunction	<ul style="list-style-type: none"> Rear center ultrasonic sensor RH Clearance warning ECU assembly 	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

1.	CLEAR DTC
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(a) Clear the DTCs.

Body Electrical > Clearance Warning > Clear DTCs

NEXT



2.	CHECK FOR DTC
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(a) Check for DTCs.

Body Electrical > Clearance Warning > Trouble Codes

RESULT	PROCEED TO
DTCs are not output	A
C1AE896 and C1AE887 are output	B
C1AE896 is output	C

A ► **USE SIMULATION METHOD TO CHECK**

B ► **GO TO OTHER FLOWCHART (C1AE887)**

C



3. REPLACE REAR CENTER ULTRASONIC SENSOR RH

(a) Replace the rear center 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
C1AE896 is output	B

A ▶ END (REAR CENTER ULTRASONIC SENSOR RH WAS DEFECTIVE)

B ▶ REPLACE CLEARANCE WARNING ECU ASSEMBLY

