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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: PARK ASSIST / MONITORING: INTUITIVE PARKING ASSIST SYSTEM: C1AE196; Ultrasonic Sensor (Front Left Corner) Component Internal Failure; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DTC	C1AE196	Ultrasonic Sensor (Front Left Corner) Component Internal Failure
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DESCRIPTION

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

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
C1AE196	Ultrasonic Sensor (Front Left Corner) Component Internal Failure	Front corner ultrasonic sensor LH failure	<ul style="list-style-type: none"> Front corner ultrasonic sensor LH 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) Recheck for DTCs.

Body Electrical > Clearance Warning > Trouble Codes

RESULT	PROCEED TO
DTCs are not output	A
C1AE196 and C1AE187 are output	B
C1AE196 is output	C

A ► **USE SIMULATION METHOD TO CHECK**

B ► **GO TO OTHER FLOWCHART (C1AE187)**

C



3. REPLACE FRONT CORNER ULTRASONIC SENSOR LH

(a) Replace the front corner ultrasonic sensor LH 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
C1AE196 is output	B

A ▶ END (FRONT CORNER ULTRASONIC SENSOR LH WAS DEFECTIVE)

B ▶ REPLACE CLEARANCE WARNING ECU ASSEMBLY

