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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: ADVANCED DRIVER ASSISTANCE SYSTEM: FRONT RADAR SENSOR SYSTEM: C1A8C04,C1A8C46,C1A8D1C,C1A9000; Main Microcomputer in Front Radar Sensor System Internal Failure; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DTC	C1A8C04	Main Microcomputer in Front Radar Sensor System Internal Failure
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DTC	C1A8C46	Main Microcomputer in Front Radar Sensor Calibration/Parameter Memory Failure
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DTC	C1A8D1C	Power Supply Circuit in Front Radar Sensor Circuit Voltage Out of Range
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DTC	C1A9000	Malfunction of Millimeter-wave Circuit in Front Radar Sensor
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DESCRIPTION

When an internal malfunction is detected in the millimeter wave radar sensor assembly, a DTC is stored.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
C1A8C04	Main Microcomputer in Front Radar Sensor System Internal Failure	When the ignition switch is ON, a millimeter wave radar sensor assembly internal malfunction is detected	Millimeter wave radar sensor assembly	Front Radar Sensor	A
C1A8C46	Main Microcomputer in Front Radar Sensor Calibration/Parameter Memory Failure	When the ignition switch is ON, the millimeter wave radar sensor assembly detects an internal memory malfunction	Millimeter wave radar sensor assembly	Front Radar Sensor	A
C1A8D1C	Power Supply Circuit in Front Radar Sensor Circuit Voltage Out of Range	When the ignition switch is ON, the millimeter wave radar sensor assembly detects a power source circuit malfunction	Millimeter wave radar sensor assembly	Front Radar Sensor	A
C1A9000	Malfunction of Millimeter-wave Circuit in Front Radar Sensor	When the ignition switch is ON, the millimeter wave radar sensor assembly detects an internal millimeter wave circuit malfunction	Millimeter wave radar sensor assembly	Front Radar Sensor	A

CAUTION / NOTICE / HINT

NOTICE:

- When replacing the millimeter wave radar sensor assembly, always replace it with a new one. If a millimeter wave radar sensor assembly which was installed to another vehicle is used, the information stored in the millimeter wave radar sensor assembly will not match the information from the vehicle and a DTC may be stored.
- When the millimeter wave radar sensor assembly has been replaced with a new one, it is necessary to perform millimeter wave radar sensor assembly beam axis alignment and to clear the vehicle control history. Before performing the Driving Adjustment, make sure to read Before Starting Driving Adjustment.

HINT:

Beam axis alignment of the millimeter wave radar sensor assembly can be performed using either Triangle Target, Flat Surface Target or Driving Adjustment.

Triangle Target: [Click here](#) 

Flat Surface Target: [Click here](#) 

Driving Adjustment: [Click here](#) 

PROCEDURE

1.	REPLACE MILLIMETER WAVE RADAR SENSOR ASSEMBLY
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HINT:

[Click here](#) 

NEXT  **END**

