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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: U130C51,U130C57; Software Incompatibility with Image Processing Module "A" Not Programmed; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DTC	U130C51	Software Incompatibility with Image Processing Module "A" Not Programmed
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DTC	U130C57	Software Incompatibility with Image Processing Module "A" Invalid/Incompatible Software Component
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DESCRIPTION

- The millimeter wave radar sensor assembly receives the vehicle information from the forward recognition camera via CAN communication line. When the millimeter wave radar sensor assembly cannot confirm the vehicle information using the vehicle information sent from the forward recognition camera, the millimeter wave radar sensor assembly stores DTC U130C51.
- The millimeter wave radar sensor assembly receives the vehicle information from the forward recognition camera via CAN communication line. When the vehicle information value sent from the forward recognition camera does not match that stored by the millimeter wave radar sensor assembly, the millimeter wave radar sensor assembly stores DTC U130C57.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
U130C51	Software Incompatibility with Image Processing Module "A" Not Programmed	When the millimeter wave radar sensor assembly cannot confirm the vehicle information using the vehicle information sent from the millimeter wave radar sensor assembly	Millimeter wave radar sensor assembly	Front Radar Sensor	B
U130C57	Software Incompatibility with Image Processing Module "A" Invalid/Incompatible Software Component	When the vehicle information value sent from the forward recognition camera does not match that stored by the millimeter wave radar sensor assembly	Millimeter wave radar sensor assembly	Front Radar Sensor	B

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.	CHECK FOR DTCs (HEALTH CHECK)
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(a) Using the GTS, perform a health check.

OK:

DTCs are not output by any system other than the front radar sensor system (Front Radar Sensor).

RESULT	PROCEED TO
DTC is not output	A
DTC is output	B

A  **REPLACE MILLIMETER WAVE RADAR SENSOR ASSEMBLY** 

B  **GO TO DTC CHART**

