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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: PARK ASSIST / MONITORING: BLIND SPOT MONITOR SYSTEM: C1AC100; Rear Side Radar Sensor (Module "B") Beam Axis Misalignment (Horizontal); 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DTC	C1AC100	Rear Side Radar Sensor (Module "B") Beam Axis Misalignment (Horizontal)
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DESCRIPTION

This DTC is stored when the angle of the blind spot monitor sensor (B) deviates more than the allowable range from the horizontal axis.

HINT:

- If a drum tester such as a speedometer tester, brake/speedometer combination tester or chassis dynamometer is used with the blind spot monitor system on, the blind spot monitor sensor may store this DTC by mistake.
- When mud, snow, ice, a sticker, etc. is covering the sensor or its surrounding area on the rear bumper, the blind spot monitor sensor may store this DTC by mistake.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
C1AC100	Rear Side Radar Sensor (Module "B") Beam Axis Misalignment (Horizontal)	When the blind spot monitor sensor deviates 5 degrees or more from the horizontal axis when the system is activated	Blind spot monitor sensor (B)	Blind Spot Monitor "B"	A

CAUTION / NOTICE / HINT

NOTICE:

- When checking for DTCs, make sure that the blind spot monitor system is turned on.
- If the blind spot monitor sensor is replaced, write the ECU software.

Click here [INFO](#)

- If the bumper is damaged or the vehicle has a history of body repair, there is a possibility that the installation area of the blind spot monitor sensor may be deformed and the blind spot monitor sensor system may not operate correctly, so visually inspect the blind spot monitor sensor installation area (frame, stud bolt) to make sure it is not dented or bent.

If the visual inspection finds a problem, check the installation condition of the blind spot monitor sensor, and adjust the installation position of the blind spot monitor sensor as necessary.

- After replacing the blind spot monitor sensor, be sure to adjust the optical axis of the blind spot monitor sensor and delete the vehicle control history (RoB) of each system.
 - Driving Adjustment: [INFO](#)
 - Target Adjustment (Triangle Target): [INFO](#)
 - ECU data Save / Write: [INFO](#)

PROCEDURE

1.	CHECK VEHICLE CONDITION
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(a) Check the condition of the rear bumper around the blind spot monitor sensors.

HINT:

When mud, snow, ice, a sticker, etc. is covering the sensor or its surrounding area on the rear bumper, the blind spot monitor sensor may store this DTC by mistake.

RESULT	PROCEED TO
A sticker, mud, snow, ice, etc. is covering the sensor or surrounding area on the rear bumper.	A
There are scratches or dents on the rear bumper around the sensors.	B
No abnormalities.	

B  **GO TO STEP 3**

A


2.	PERFORM BLIND SPOT MONITOR BEAM AXIS CONFIRMATION
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Pre-procedure1

(a) Clean the rear bumper.

Procedure1

(b) Perform Blind Spot Monitor Beam Axis Confirmation using the GTS.

Body Electrical > Blind Spot Monitor "B" > Utility

TESTER DISPLAY
BSM "B" Beam Axis Display

Body Electrical > Blind Spot Monitor "B" > Utility

TESTER DISPLAY
BSM "B" Beam Axis Adjustment

Standard:

Blind spot monitor beam axis display result is within the allowable range.

NOTICE:

Before replacing the blind spot monitor sensor (B), visually check for damage to the stud bolts or area surrounding the blind spot monitor sensor (B).

If there is any damage to the stud bolts or area surrounding the blind spot monitor sensor (B), perform Blind Spot Monitor Sensor Installation Condition Inspection and adjust according to the result.

Driving Adjustment: [INFO](#)Target Adjustment (Triangle Target): [INFO](#)ECU data Save / Write: [INFO](#)

Post-procedure1

(c) None

OK ► END

NG ► REPLACE BLIND SPOT MONITOR SENSOR (B) [INFO](#)**3. CHECK INSTALLATION CONDITION**

(a) Check the installation condition of the blind spot monitor sensor (B).

HINT:Driving Adjustment: [INFO](#)Target Adjustment (Triangle Target): [INFO](#)ECU data Save / Write: [INFO](#)

OK:

The blind spot monitor installation position is within the specified range.

OK ► GO TO STEP 5

NG

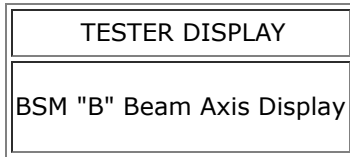
**4. ADJUST THE INSTALLATION POSITION OF THE BLIND SPOT MONITOR SENSOR (B)****HINT:**Driving Adjustment: [INFO](#)Target Adjustment (Triangle Target): [INFO](#)ECU data Save / Write: [INFO](#)

NEXT

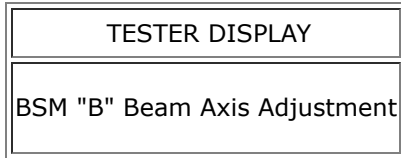
**5. PERFORM BLIND SPOT MONITOR BEAM AXIS CONFIRMATION**

(a) Perform Blind Spot Monitor Beam Axis Confirmation using the GTS.

Body Electrical > Blind Spot Monitor "B" > Utility



Body Electrical > Blind Spot Monitor "B" > Utility



Standard:

Blind spot monitor beam axis display result is within the allowable range.

OK ▶ **END**

NG ▶ **REPLACE BLIND SPOT MONITOR SENSOR (B)** INFO

