Last Modified: 12-04-2024	6.11:8.1.0	**Doc ID:** RM1000000029DUZ
Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [12/2022 -]
Title: PARK ASSIST / MONITORING: BLIND SPOT MONITOR SYSTEM: U023387; Lost Communication with Side Obstacle Detection Control Module "B" Missing Message; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

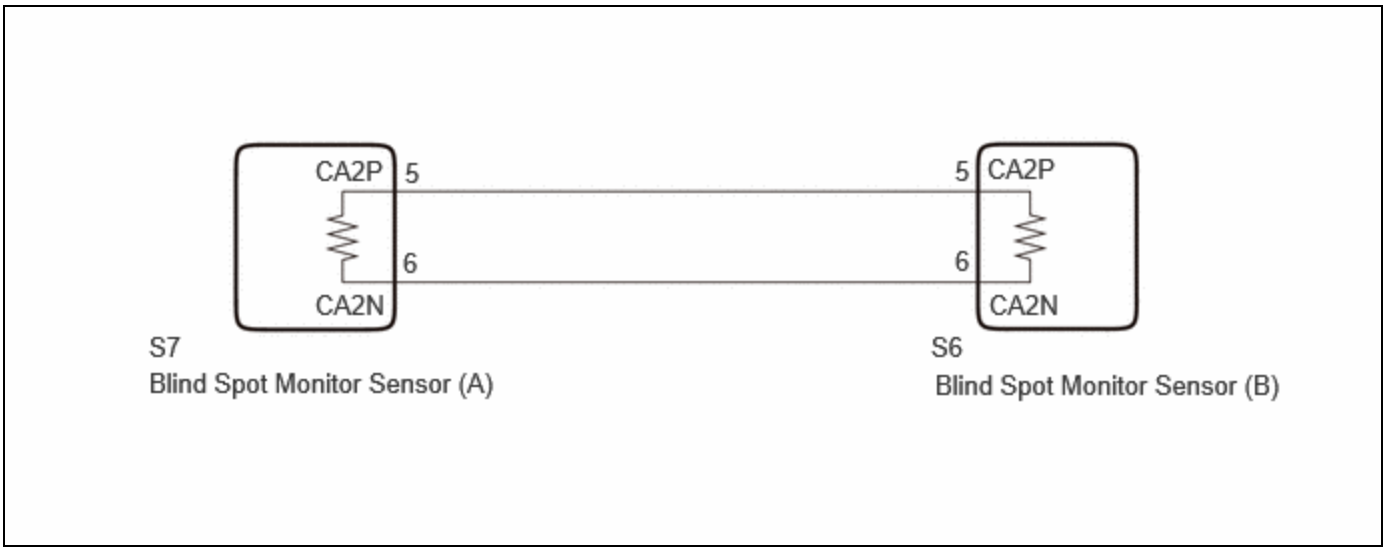
DTC	**U023387**	**Lost Communication with Side Obstacle Detection Control Module "B" Missing Message**

DESCRIPTION

When the blind spot monitor sensor (A) judges that there is a communication malfunction with the blind spot monitor sensor (B), this DTC is stored.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
U023387	Lost Communication with Side Obstacle Detection Control Module "B" Missing Message	The blind spot monitor sensor (A) cannot receive signals from the blind spot monitor sensor (B)	• Blind spot monitor sensor (B) • Blind spot monitor sensor (A)	Blind Spot Monitor "A"	A

WIRING DIAGRAM



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

- 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.

HINT:

The optical axis adjustment of the blind spot monitor sensor is performed by either "Target Adjustment (Triangle Target)", "Driving Adjustment" or "ECU data Save / Write".

- Driving Adjustment: INFO
- Target Adjustment (Triangle Target): INFO
- ECU data Save / Write: INFO

HINT:

- Before disconnecting each connector for inspection, push in on the connector case to check that each connector is not loose or disconnected.
- When a connector is disconnected, check that the terminals and connector case are not cracked, deformed or corroded.
- If a DTC is stored again after being cleared, the malfunction may be occurring due to vibration of the vehicle. In this case, wiggle an ECU or wire harness to check if a malfunction occurs.

PROCEDURE

1.	**CHECK BLIND SPOT MONITOR SENSOR (B)**

Pre-procedure1

(a) Disconnect the S7 blind spot monitor sensor (A) connector.

Procedure1

(b) Measure the waveform according to the value(s) in the table below.

Standard:

EWD INFO

Click Location & Routing(S7)
Click Connector(S7)

TESTER CONNECTION	CONDITION	TOOL SETTING	SPECIFIED CONDITION
S7-5 (CA2P) - S7-6 (CA2N)	Ignition switch ON	1 V/DIV., 100 µs./DIV.	Pulse generation

Post-procedure1

(c) Connect the S7 front side radar sensor (A) connector.

OK ▶ **REPLACE BLIND SPOT MONITOR SENSOR (A)** INFO

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