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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: PARK ASSIST / MONITORING: BLIND SPOT MONITOR SYSTEM: C1AB413; Outer Mirror Indicator (Module "B" Side) Circuit Open; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

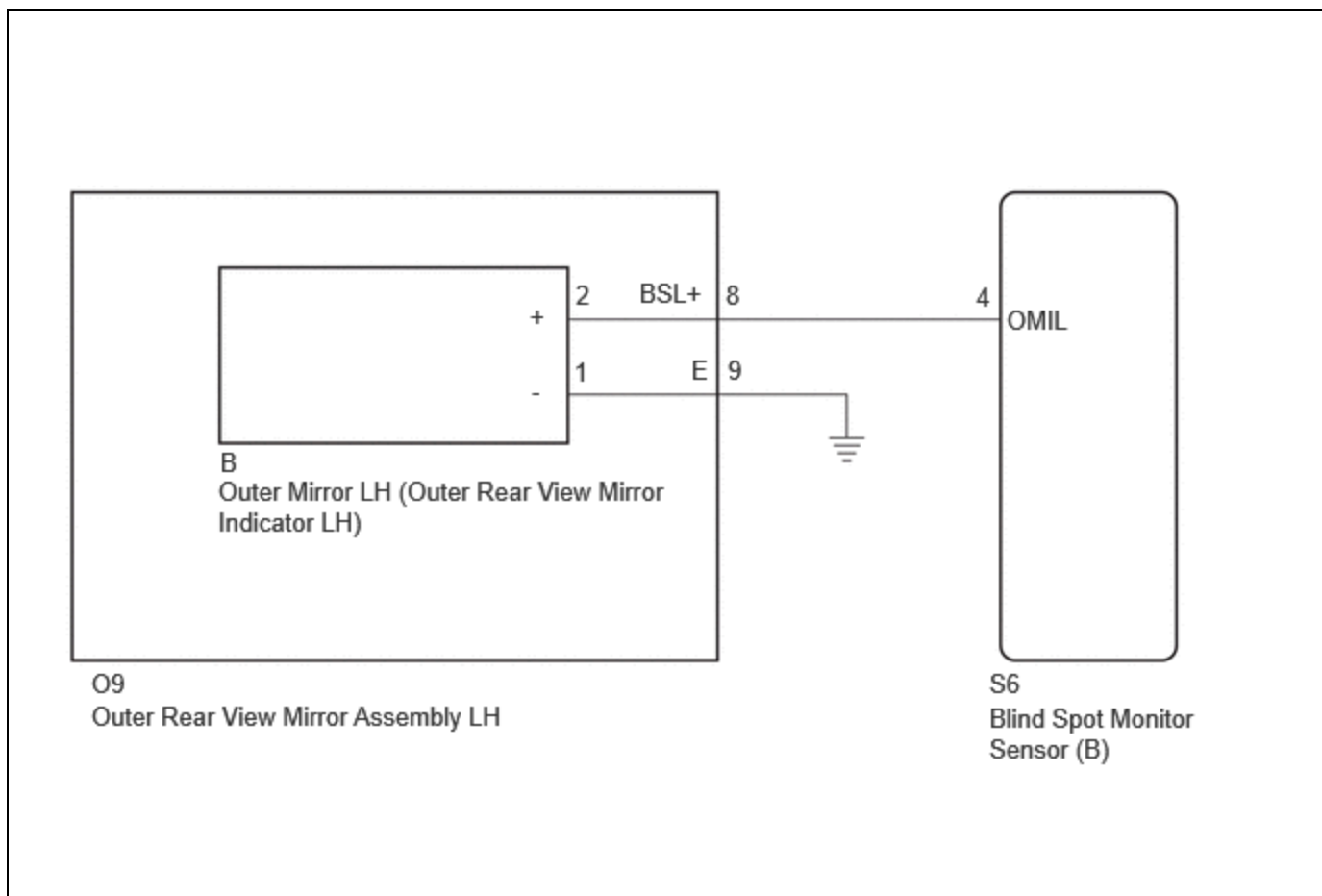
DTC	C1AB413	Outer Mirror Indicator (Module "B" Side) Circuit Open
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DESCRIPTION

This DTC is stored when the blind spot monitor sensor (B) detects an open in the outer rear view mirror indicator LH.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
C1AB413	Outer Mirror Indicator (Module "B" Side) Circuit Open	<p>Both of the following conditions are met:</p> <ul style="list-style-type: none"> The blind spot monitor system is on The current flowing to the indicator is below a specified value when indicator operation voltage is being sent to the indicator 	<ul style="list-style-type: none"> Outer mirror LH (outer rear view mirror indicator LH) Outer rear view mirror assembly LH Harness or connector Blind spot monitor sensor (B) 	Blind Spot Monitor "B"	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](#)

PROCEDURE

1. CHECK FOR DTC

(a) Check for DTCs.

Body Electrical > Blind Spot Monitor "B" > Trouble Codes

RESULT	PROCEED TO
C1AB413 is not output	A
C1AB413 is output	B

A  **USE SIMULATION METHOD TO CHECK**

B



2.	CHECK HARNESS AND CONNECTOR (OUTER REAR VIEW MIRROR ASSEMBLY LH - BLIND SPOT MONITOR SENSOR (B) AND BODY GROUND)
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Pre-procedure1

- (a) Disconnect the S6 blind spot monitor sensor (B) connector.
- (b) Disconnect the O9 outer rear view mirror assembly LH connector.

Procedure1

- (c) Measure the resistance according to the value(s) in the table below.

Standard Resistance:



[Click Location & Routing\(S6,O9\).](#)

[Click Connector\(S6\).](#)

[Click Connector\(O9\).](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
S6-4 (OMIL) - O9-8 (BSL+)	Always	Below 1 Ω	Ω
O9-9 (E) - Body ground	Always	Below 1 Ω	Ω

Post-procedure1

- (d) None

NG  **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK



3. INSPECT OUTER REAR VIEW MIRROR ASSEMBLY LH

Pre-procedure1

(a) Disconnect the B outer mirror LH connector.

Procedure1

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

Standard Resistance:



[Click Location & Routing\(O9\)](#)

[Click Connector\(O9\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
O9-8 (BSL+) - B-2 (+)	Always	Below 1 Ω	Ω
O9-9 (E) - B-1 (-)	Always	Below 1 Ω	Ω

Post-procedure1

(c) None

NG ► REPLACE OUTER REAR VIEW MIRROR ASSEMBLY LH

OK



4. INSPECT OUTER MIRROR LH (OUTER REAR VIEW MIRROR INDICATOR LH)

HINT:

Click here [INFO](#)

OK ► REPLACE BLIND SPOT MONITOR SENSOR (B) [INFO](#)

NG ► REPLACE OUTER MIRROR LH (OUTER REAR VIEW MIRROR INDICATOR LH)

