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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: PARK ASSIST / MONITORING: PARKING SUPPORT BRAKE SYSTEM: U117787; Lost Communication with Side Obstacle Detection Control Module "A" (ch2) Missing Message; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

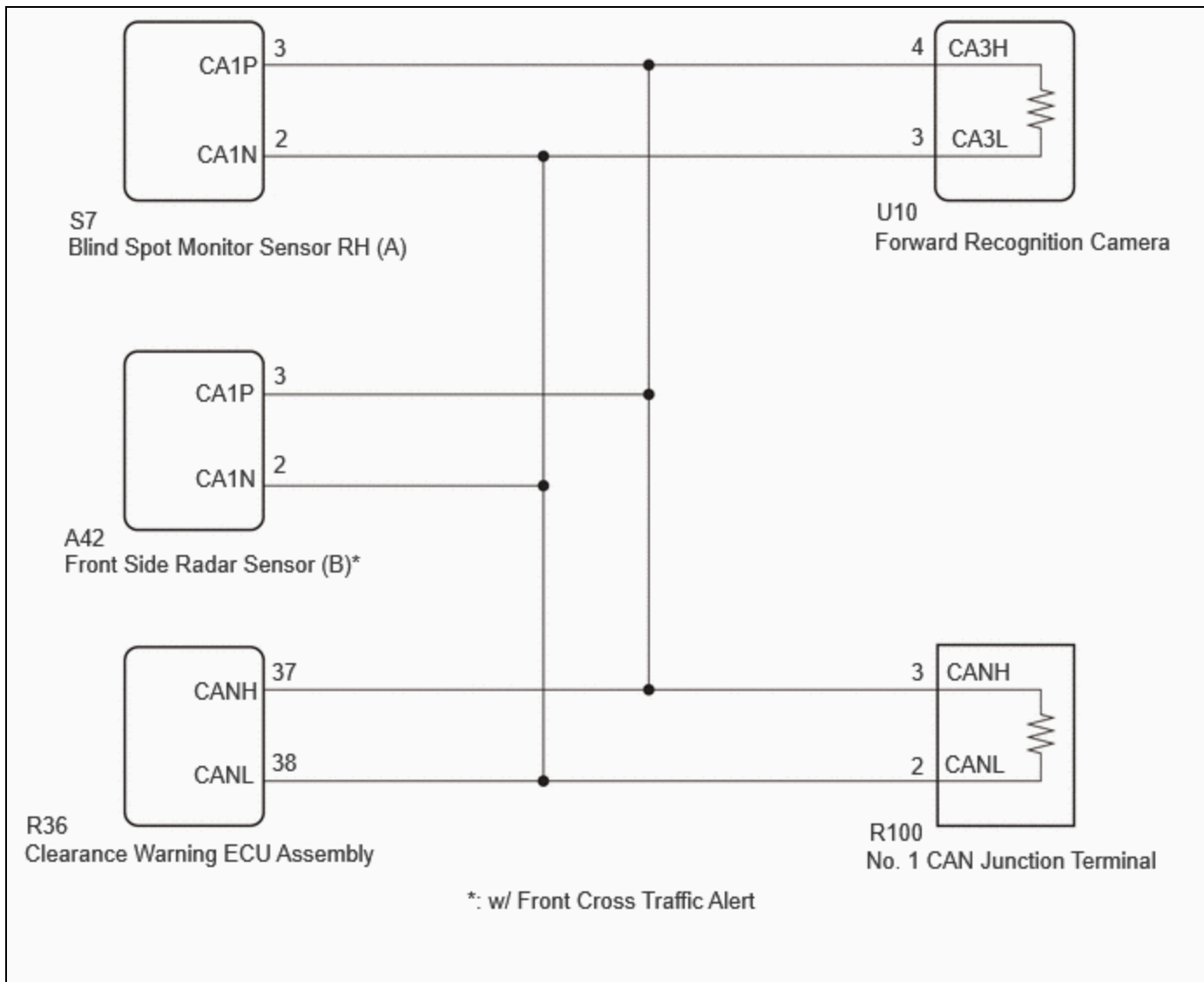
DTC	U117787	Lost Communication with Side Obstacle Detection Control Module "A" (ch2) Missing Message
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DESCRIPTION

This DTC is output when the clearance warning ECU assembly detects lost communication with the blind spot monitor sensor RH (A).

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
U117787	Lost Communication with Side Obstacle Detection Control Module "A" (ch2) Missing Message	The clearance warning ECU assembly is unable to receive communication from the blind spot monitor sensor RH (A)	<ul style="list-style-type: none"> • Front camera system • Clearance warning ECU assembly • Harness or connector 	Clearance Warning	B

WIRING DIAGRAM



CAUTION / NOTICE / HINT

NOTICE:

- Before measuring the resistance of the CAN bus, turn the ignition switch off and leave the vehicle for 1 minute or more without operating the key or any switches, or opening or closing the doors. After that, disconnect the cable from the negative (-) auxiliary battery terminal and leave the vehicle for 1 minute or more before measuring the resistance.
- After turning the ignition switch off, waiting time may be required before disconnecting the cable from the negative (-) auxiliary battery terminal. Therefore, make sure to read the disconnecting the cable from the negative (-) auxiliary battery terminal notices before proceeding with work.

Click here [INFO](#)

HINT:

- Operating the ignition switch, any other switches or a door triggers related ECU and sensor communication on the CAN. This communication will cause the resistance value to change.
- Even after DTCs are cleared, if a DTC is stored again after driving the vehicle for a while, the malfunction may be occurring due to vibration of the vehicle. In such a case, wiggling the ECUs or wire harness while performing the inspection below may help determine the cause of the malfunction.

PROCEDURE

1. CHECK FOR DTCs (FRONT RECOGNITION CAMERA)

(a) Check for DTCs and proceed to the following step.

Chassis > Front Recognition Camera > Trouble Codes

RESULT	PROCEED TO
U023287 or U123687 is output	A
DTCs are not output	B

A  **GO TO FRONT CAMERA SYSTEM** 

B



2. CHECK CAN MAIN WIRE (CLEARANCE WARNING ECU ASSEMBLY)

Pre-procedure1

- (a) Disconnect the R36 clearance warning ECU assembly connector.
- (b) Disconnect the cable from the negative (-) auxiliary battery terminal.

Procedure1

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

Standard Resistance:



[Click Location & Routing\(R36\)](#)

[Click Connector\(R36\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
R36-37 (CANH) - R36-38 (CANL)	Cable disconnected from negative (-) auxiliary battery terminal	54 to 69 Ω	Ω

Post-procedure1

(d) None

OK  **REPLACE CLEARANCE WARNING ECU ASSEMBLY**

NG  **REPAIR OR REPLACE HARNESS OR CONNECTOR**

