Last Modified: 12-04-2024	6.11:8.1.0	**Doc ID:** RM100000002918C
Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [12/2022 -]

Title: PARK ASSIST / MONITORING: PANORAMIC VIEW MONITOR SYSTEM: C168F11; Side Camera (Left) Circuit Short to Ground; 2023 - 2024 MY Prius Prius Prime [12/2022 -   ]
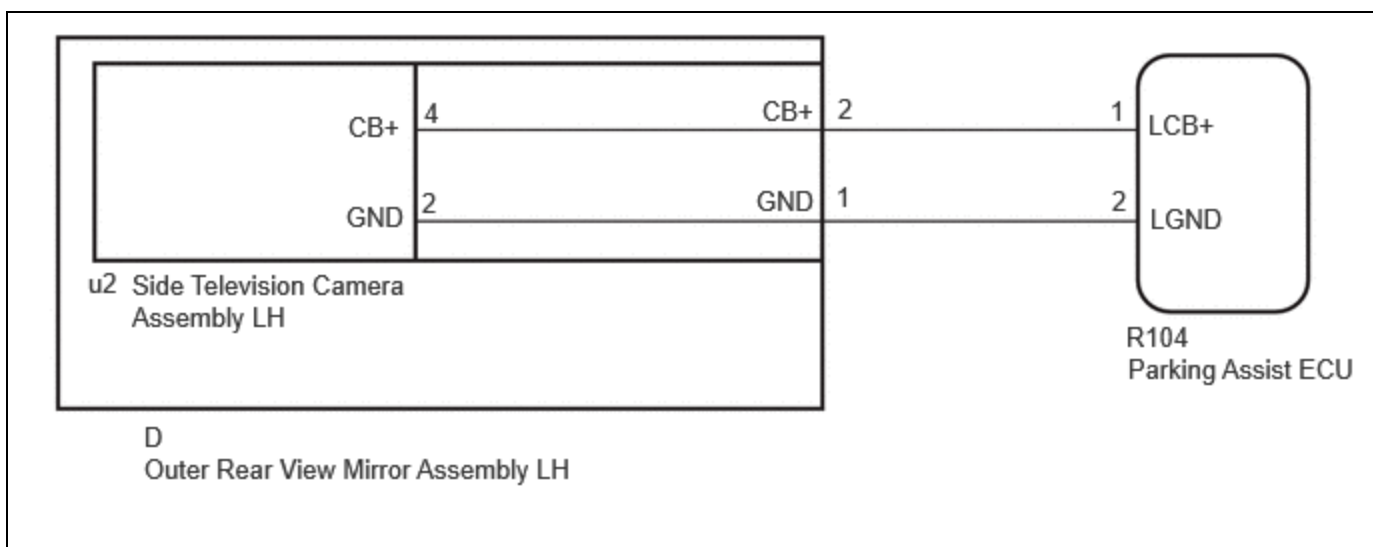
DTC	C168F11	Side Camera (Left) Circuit Short to Ground

DESCRIPTION

This DTC is stored if the parking assist ECU judges as a result of its self check that a synchronization problem is occurring in the image signal sent from the side television camera assembly LH to the parking assist ECU.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
C168F11	Side Camera (Left) Circuit Short to Ground	Side camera current malfunction (Left)	• Harness or connector • Parking assist ECU • Side television camera assembly LH • Outer rear view mirror assembly LH	Circumference Monitoring Camera Control Module	A

WIRING DIAGRAM

CAUTION / NOTICE / HINT

NOTICE:

Depending on the parts that are replaced or operations that are performed during vehicle inspection or maintenance, calibration of other systems as well as the panoramic view monitor system may be needed.

Click here **INFO**

PROCEDURE

1.	CHECK HARNESS AND CONNECTOR (PARKING ASSIST ECU - OUTER REAR VIEW MIRROR ASSEMBLY LH)

Pre-procedure1

(a) Disconnect the R104 parking assist ECU connector.

(b) Disconnect the D outer rear view mirror assembly LH connector.

Procedure1

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

Standard Resistance:

⊕ EWD INFO

Click Location & Routing(R104)
Click Connector(R104)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
R104-1 (LCB+) - D-2 (CB+)	Always	Below 1 Ω	Ω
R104-2 (LGND) - D-1 (GND)	Always	Below 1 Ω	Ω
R104-1 (LCB+) or D-2 (CB+) - Body ground	Always	10 kΩ or higher	kΩ
R104-2 (LGND) or D-1 (GND) - Body ground	Always	10 kΩ or higher	kΩ

Post-procedure1

(d) None

NG ▶ **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK
▼

2.	CHECK PARKING ASSIST ECU (LCB+, LGND)

Pre-procedure1

(a) Disconnect the outer rear view mirror assembly LH connector.

Procedure1

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

Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
D-1 (GND) - Body ground	Always	Below 1 Ω	Ω

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

    Standard Voltage:

TESTER CONNECTION	SWITCH CONDITION	SPECIFIED CONDITION	RESULT
D-2 (CB+) - D-1 (GND)	Ignition switch ON	7.5 to 8.5 V	V

Post-procedure1

(d) None
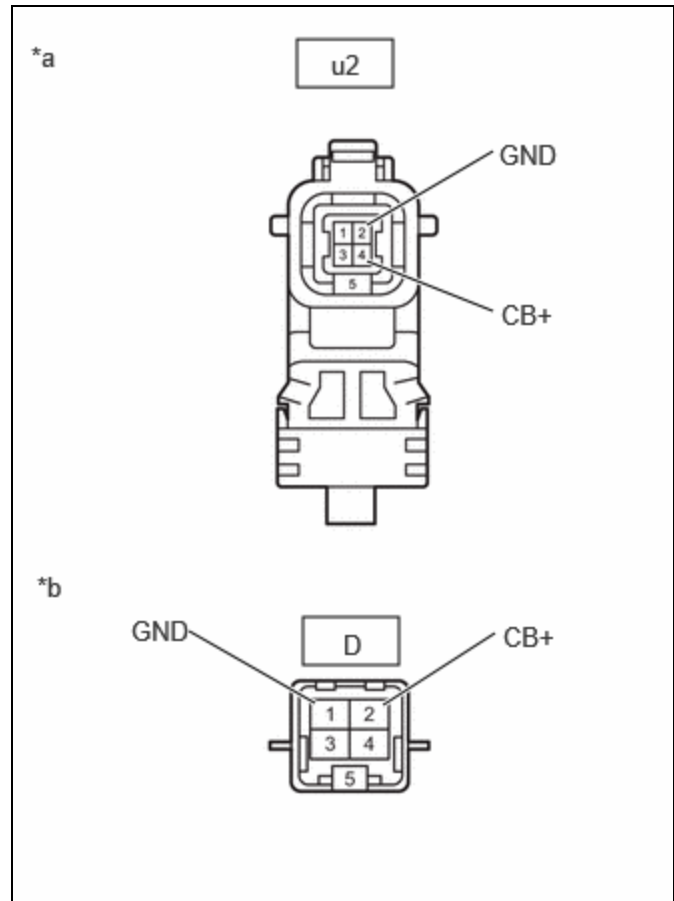
NG ▶ **REPLACE PARKING ASSIST ECU**

OK
▼

3.	INSPECT OUTER REAR VIEW MIRROR ASSEMBLY LH

Pre-procedure1

(a) Remove the outer rear view mirror assembly LH.

*a	Front view of wire harness connector (to Side Television Camera Assembly LH)
*b	Component without harness connected (Outer rear view mirror assembly LH)

(b) Remove the side television camera assembly LH from the outer rear view mirror assembly LH.

Procedure1

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

Standard Resistance:

EWD INFO

Click Location & Routing(u2)
Click Connector(u2)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
u2-4 (CB+) - D-2 (CB+)	Always	Below 1 Ω	Ω
u2-2 (GND) - D-1 (GND)	Always	Below 1 Ω	Ω
u2-4 (CB+) or D-2 (CB+) - Body ground	Always	10 kΩ or higher	kΩ
u2-2 (GND) or D-1 (GND) - Body ground	Always	10 kΩ or higher	kΩ

Post-procedure1

(d) None

NG ▶ **REPLACE OUTER REAR VIEW MIRROR ASSEMBLY LH**

OK
▼

4.	REPLACE SIDE TELEVISION CAMERA ASSEMBLY LH

HINT:

Click here INFO

NEXT
▼

5.	CLEAR DTC

(a) Clear the DTCs.

Chassis > Circumference Monitoring Camera Control Module > Clear DTCs

NEXT
▼

6.	CHECK FOR DTC

(a) Check for DTCs.

Chassis > Circumference Monitoring Camera Control Module > Trouble Codes

RESULT	PROCEED TO
C168F11 is not output	A
C168F11 is output	B

A ▶ **END (SIDE TELEVISION CAMERA ASSEMBLY LH WAS DEFECTIVE)**

B ▶ **REPLACE PARKING ASSIST ECU**

B ▶ **REPLACE PARKING ASSIST ECU**