

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM10000002918E
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: PARK ASSIST / MONITORING: PANORAMIC VIEW MONITOR SYSTEM: C169E11; Side Camera (Right) Circuit Short to Ground; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

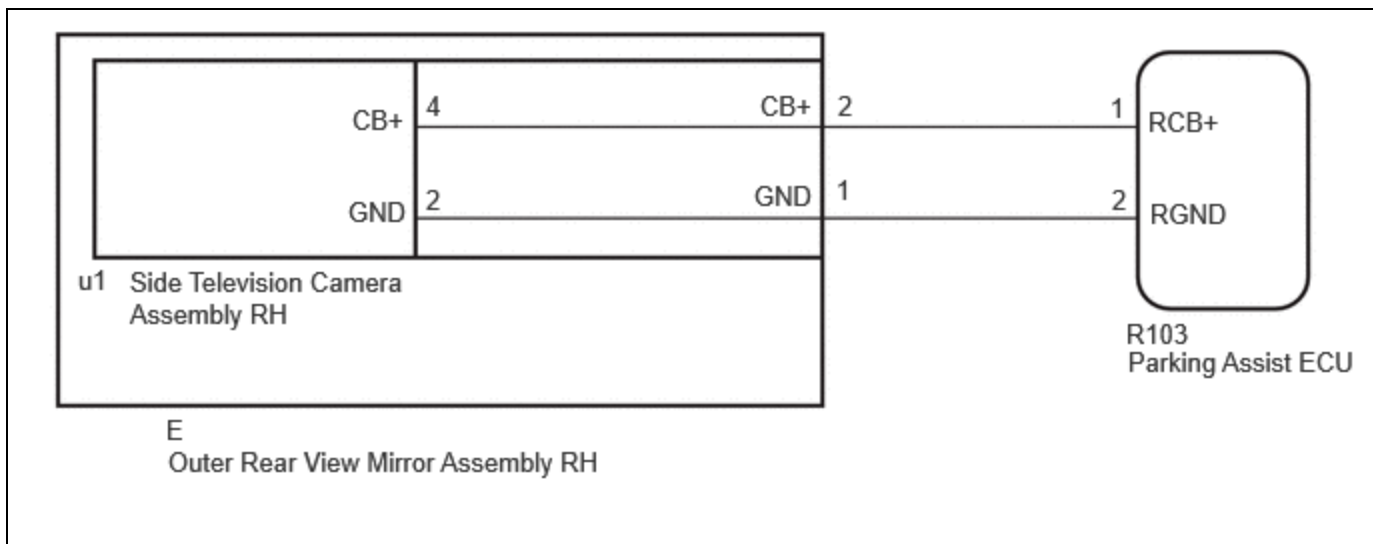
DTC	C169E11	Side Camera (Right) Circuit Short to Ground
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DESCRIPTION

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 RH to the parking assist ECU.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
C169E11	Side Camera (Right) Circuit Short to Ground	Side camera current malfunction (Right)	<ul style="list-style-type: none"> • Harness or connector • Parking assist ECU • Side television camera assembly RH • Outer rear view mirror assembly RH 	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](#) 

PROCEDURE

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

Pre-procedure1

- (a) Disconnect the R103 parking assist ECU connector.
- (b) Disconnect the E outer rear view mirror assembly RH connector.

Procedure1

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

Standard Resistance:



[Click Location & Routing\(R103\)](#)

[Click Connector\(R103\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
R103-1 (RCB+) - E-2 (CB+)	Always	Below 1 Ω	Ω
R103-2 (RGND) - E-1 (GND)	Always	Below 1 Ω	Ω
R103-1 (RCB+) or E-2 (CB+) - Body ground	Always	10 k Ω or higher	k Ω
R103-2 (RGND) or E-1 (GND) - Body ground	Always	10 k Ω or higher	k Ω

Post-procedure1

- (d) None

NG  **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK



2. CHECK PARKING ASSIST ECU (RCB+, RGND)

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
E-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
E-2 (CB+) - E-1 (GND)	Ignition switch ON	7.5 to 8.5 V	V

Post-procedure1

(d) None

NG  **REPLACE PARKING ASSIST ECU**

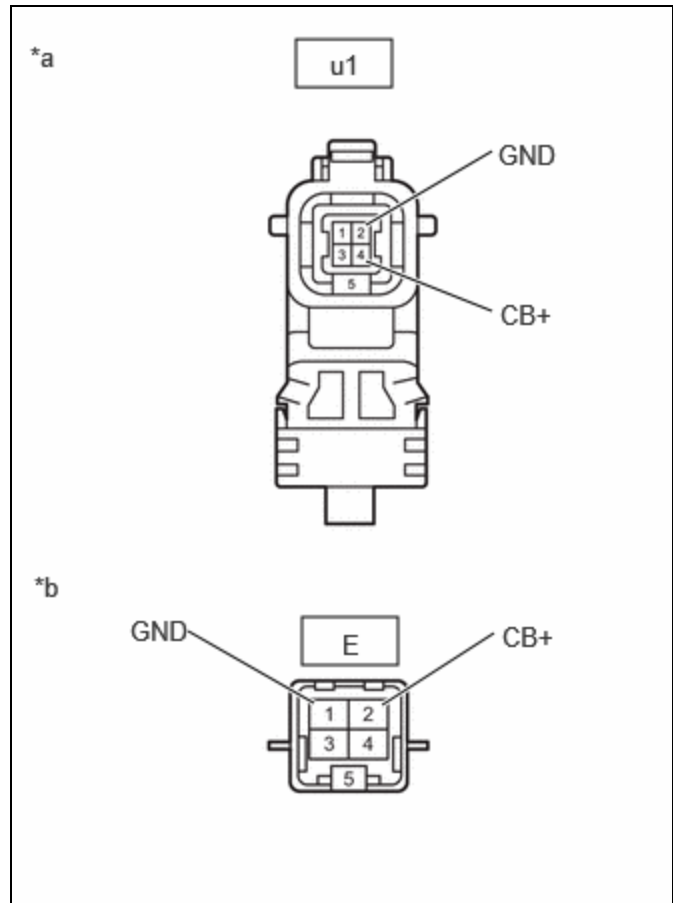
OK



3.	INSPECT OUTER REAR VIEW MIRROR ASSEMBLY RH
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Pre-procedure1

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



*a	Front view of wire harness connector (to Side Television Camera Assembly RH)
*b	Component without harness connected (Outer Rear View Mirror Assembly RH)

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

Procedure1

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

Standard Resistance:



[Click Location & Routing\(u1\).](#)

[Click Connector\(u1\).](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
u1-4 (CB+) - E-2 (CB+)	Always	Below 1 Ω	Ω
u1-2 (GND) - E-1 (GND)	Always	Below 1 Ω	Ω
u1-4 (CB+) or E-2 (CB+) - Body ground	Always	10 kΩ or higher	kΩ
u1-2 (GND) or E-1 (GND) - Body ground	Always	10 kΩ or higher	kΩ

Post-procedure1

(d) None

NG ▶ REPLACE OUTER REAR VIEW MIRROR ASSEMBLY RH

OK



4. REPLACE SIDE TELEVISION CAMERA ASSEMBLY RH

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
C169E11 is not output	A
C169E11 is output	B

A ▶ END (SIDE TELEVISION CAMERA ASSEMBLY RH WAS DEFECTIVE)

B ▶ REPLACE PARKING ASSIST ECU

