

<b>Last Modified:</b> 12-04-2024	6.11:8.1.0	<b>Doc ID:</b> RM100000029188
<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [12/2022 - ]
<b>Title:</b> PARK ASSIST / MONITORING: PANORAMIC VIEW MONITOR SYSTEM: C168011; Front Camera Circuit Short to Ground; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

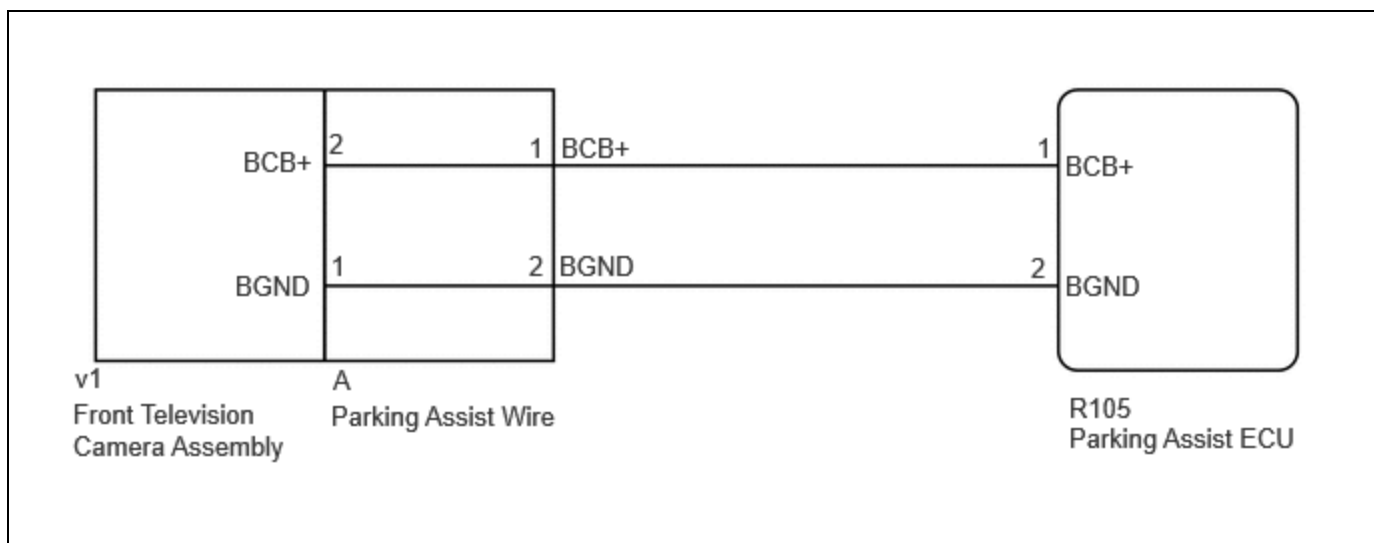
<b>DTC</b>	<b>C168011</b>	<b>Front Camera Circuit Short to Ground</b>
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## DESCRIPTION

This DTC is stored if the parking assist ECU judges as a result of its self check that there is a problem with the current supplied from the front television camera assembly connected to the parking assist ECU.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
C168011	Front Camera Circuit Short to Ground	Open or short in the front television camera signal circuit	<ul style="list-style-type: none"> <li>• Harness or connector</li> <li>• Front television camera assembly</li> <li>• Parking assist ECU</li> <li>• Parking assist wire</li> </ul>	Circumference Monitoring Camera Control Module	A

## WIRING DIAGRAM



## CAUTION / NOTICE / HINT

### NOTICE:

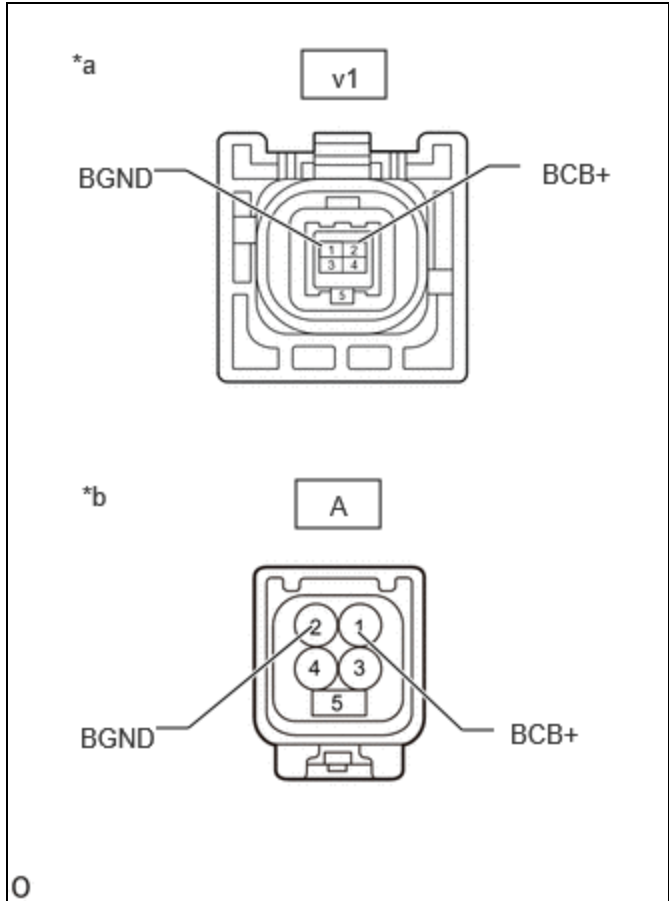
Depending on the parts that are replaced or operations that are performed during vehicle inspection or maintenance, calibration of other systems as well as panoramic view monitor system may be needed.

Click here [INFO](#)

# PROCEDURE

**1. INSPECT PARKING ASSIST WIRE**

Pre-procedure1



*a	Front view of parking assist wire (to Front Television Camera Assembly)
*b	Front view of parking assist wire (to Vehicle Harness Connector)

(a) Remove the parking assist wire.

**HINT:**

[Click here](#) INFO

Procedure1

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

Standard Resistance:



[Click Location & Routing\(v1\).](#)

[Click Connector\(v1\).](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
v1-2 (BCB+) - A-1 (BCB+)	Always	Below 1 Ω	Ω

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
v1-1 (BGND) - A-2 (BGND)	Always	Below 1 Ω	Ω

Post-procedure1

(c) None

**NG**  **REPLACE PARKING ASSIST WIRE**

**OK**  


<b>2.</b>	<b>CHECK HARNESS AND CONNECTOR (PARKING ASSIST ECU - PARKING ASSIST WIRE)</b>
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Pre-procedure1

(a) Disconnect the R105 parking assist ECU connector.

(b) Disconnect the A parking assist wire connector.

Procedure1

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

Standard Resistance:



[Click Location & Routing\(R105\)](#)

[Click Connector\(R105\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
R105-1 (BCB+) - A-1 (BCB+)	Always	Below 1 Ω	Ω
R105-2 (BGND) - A-2 (BGND)	Always	Below 1 Ω	Ω
R105-1 (BCB+) or A-1 (BCB+) - Body ground	Always	10 kΩ or higher	kΩ
R105-2 (BGND) or A-2 (BGND) - Body ground	Always	10 kΩ or higher	kΩ

Post-procedure1

(d) None

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

**OK**  


### 3. CHECK PARKING ASSIST ECU (BCB+, BGND)

Pre-procedure1

(a) Disconnect the A parking assist wire connector.

Procedure1

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

Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
A-2 (BGND) - Body ground	Always	Below 1 $\Omega$	$\Omega$

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

Standard Voltage:

TESTER CONNECTION	SWITCH CONDITION	SPECIFIED CONDITION	RESULT
A-1 (BCB+) - A-2 (BGND)	Ignition switch ON	7.5 to 8.5 V	V

Post-procedure1

(d) None

**OK** ► REPLACE FRONT TELEVISION CAMERA ASSEMBLY

**NG** ► REPLACE PARKING ASSIST ECU

