

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM100000029186
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: PARK ASSIST / MONITORING: PANORAMIC VIEW MONITOR SYSTEM: C162011; Rear Camera Circuit Short to Ground; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

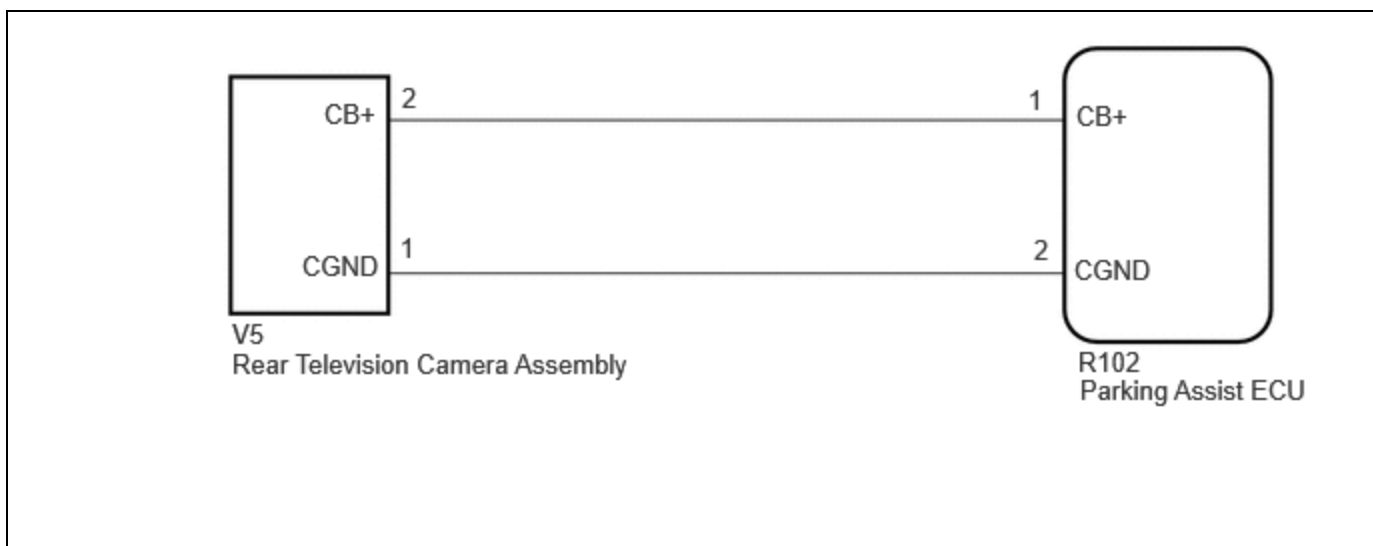
DTC	C162011	Rear Camera Circuit Short to Ground
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DESCRIPTION

This DTC is stored if the parking assist ECU determines that the input/output signal communication with the rear television camera assembly is abnormal.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
C162011	Rear Camera Circuit Short to Ground	Rear television camera assembly power supply malfunction	<ul style="list-style-type: none"> • Harness or connector • Rear television camera assembly • Parking assist ECU 	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 - REAR TELEVISION CAMERA ASSEMBLY)
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Pre-procedure1

- (a) Disconnect the R102 parking assist ECU connector.
- (b) Disconnect the V5 rear television camera assembly connector.

Procedure1

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

Standard Resistance:



- [Click Location & Routing\(R102,V5\).](#)
- [Click Connector\(R102\).](#)
- [Click Connector\(V5\).](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
R102-1 (CB+) - V5-2 (CB+)	Always	Below 1 Ω	Ω
R102-2 (CGND) - V5-1 (CGND)	Always	Below 1 Ω	Ω
R102-1 (CB+) or V5-2 (CB+) - Body ground	Always	10 kΩ or higher	kΩ
R102-2 (CGND) or V5-1 (CGND) - Body ground	Always	10 kΩ or higher	kΩ

Post-procedure1

- (d) None

NG **REPAIR OR REPLACE HARNESS OR CONNECTOR**



2.	CHECK PARKING ASSIST ECU (CB+, CGND)
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Pre-procedure1

- (a) Disconnect the rear television camera assembly.

Procedure1

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

Standard Resistance:



[Click Location & Routing\(V5\)](#)

[Click Connector\(V5\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
V5-1 (CGND) - Body ground	Always	Below 1 Ω	Ω

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

Standard Voltage:



[Click Location & Routing\(V5\)](#)

[Click Connector\(V5\)](#)

TESTER CONNECTION	SWITCH CONDITION	SPECIFIED CONDITION	RESULT
V5-2 (CB+) - V5-1 (CGND)	Ignition switch ON	7.5 to 8.5 V	V

Post-procedure1

(d) None

OK ► **REPLACE REAR TELEVISION CAMERA ASSEMBLY**

NG ► **REPLACE PARKING ASSIST ECU**

