

<b>Last Modified:</b> 12-04-2024	6.11:8.1.0	<b>Doc ID:</b> RM10000002BNG0
<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [03/2023 - ]
<b>Title:</b> PARK ASSIST / MONITORING: PANORAMIC VIEW MONITOR SYSTEM: "CHK" message(s) are displayed on the SIGNAL CHECK screen.; 2023 - 2024 MY Prius Prius Prime [03/2023 - ]		

**"CHK" message(s) are displayed on the SIGNAL CHECK screen.**

## DESCRIPTION

On the SIGNAL CHECK screen, it is possible to check if the signals sent to the parking assist ECU are normal.

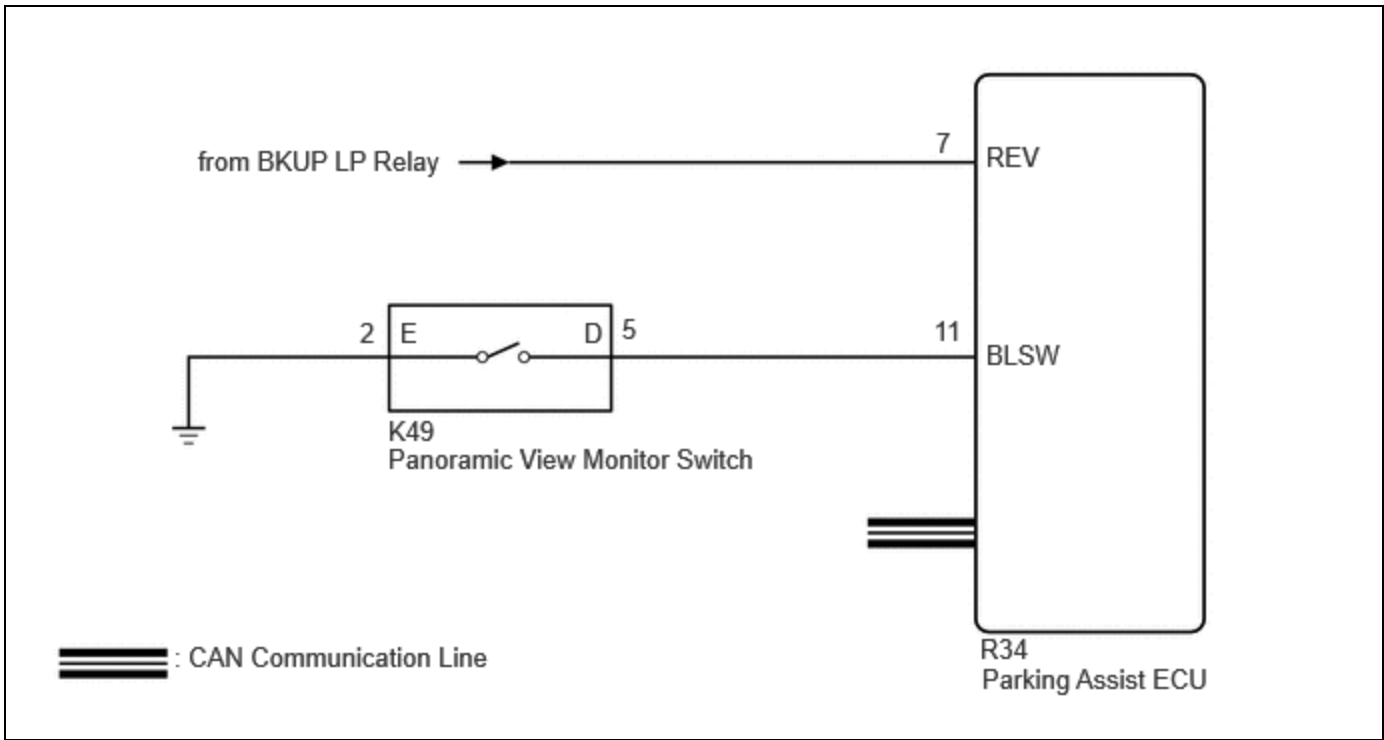
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### HINT:

- On the SIGNAL CHECK screen, "OK" (blue) is displayed for items with a normal inspection result or input state.
- On the SIGNAL CHECK screen, "CHK" (red) is displayed for items with an abnormal inspection result or input state.
- Displayed items may differ depending on vehicle specifications.

ITEM	SIGNAL INPUT METHOD	DETAIL	DTC OUTPUT WHEN ABNORMAL RESULT IS DISPLAYED	SIGNAL RECEIVER
CAN	CAN communication	CAN communication signal	DTC is output	Related ECUs
CAMERA SW	Vehicle wire harness	Panoramic view monitor switch signal input state	DTC is not output	Panoramic view monitor main switch (integration control and panel assembly)
SHIFT	Vehicle wire harness	Shift position switch signal	DTC is not output	BKUP LP relay

## WIRING DIAGRAM



## CAUTION / NOTICE / HINT

### NOTICE:

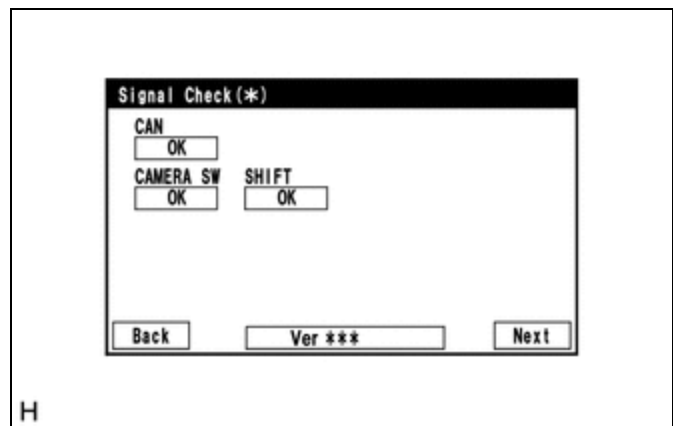
Depending on the parts that are replaced or operations that are performed during vehicle inspection or maintenance, calibration of other systems as well as the panoramic view monitor system may be needed.

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## PROCEDURE

- |           |                                 |
|-----------|---------------------------------|
| <b>1.</b> | <b>CHECK DISPLAY CHECK MODE</b> |
|-----------|---------------------------------|

(a) Check which items display on the signal check screen.



RESULT	PROCEED TO
"CAMERA SW" displays "CHK" (red)	A
"SHIFT" displays "CHK" (red)	B
"CAN" displays "CHK" (red)	C

**B**  **GO TO STEP 4**

**C**  **GO TO CAN COMMUNICATION SYSTEM**

for HEV Model: Click here [INFO](#)

for PHEV Model: Click here [INFO](#)

**A**  


<b>2.</b>	<b>CHECK HARNESS AND CONNECTOR (PANORAMIC VIEW MONITOR SWITCH - PARKING ASSIST ECU AND BODY GROUND)</b>
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- (a) Disconnect the K49 panoramic view monitor switch connector.
- (b) Disconnect the R34 parking assist ECU connector.
- (c) Measure the resistance according to the value(s) in the table below.

Standard Resistance:



[Click Location & Routing\(R34,K49\).](#)

[Click Connector\(R34\).](#)

[Click Connector\(K49\).](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
R34-11 (BLSW) - K49-5 (D)	Always	Below 1 Ω
K49-2 (E) - Body ground	Always	Below 1 Ω
R34-11 (BLSW) - Body ground	Always	10 kΩ or higher

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

**OK**  
▼

<b>3.</b>	<b>INSPECT PANORAMIC VIEW MONITOR SWITCH</b>
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Click here [INFO](#)

**OK** ► **REPLACE PARKING ASSIST ECU**

**NG** ► **REPLACE PANORAMIC VIEW MONITOR SWITCH**

<b>4.</b>	<b>CHECK BACK-UP LIGHT</b>
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(a) Check that the back-up light comes on.

OK:

The back-up light comes on.

**NG** ► **GO TO LIGHTING SYSTEM (EXT)**

**OK**  
▼

<b>5.</b>	<b>CHECK HARNESS AND CONNECTOR (REVERSE SIGNAL)</b>
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(a) Disconnect the parking assist ECU connector.

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

Standard Voltage:



[Click Location & Routing\(R34\)](#)

[Click Connector\(R34\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
R34-7 (REV) - Body ground	Ignition switch off	Below 1 V
R34-7 (REV) - Body ground	Ignition switch ON Shift position not in R	Below 1 V
	Ignition switch ON Shift position in R	11 to 14 V

**OK** ▶ **REPLACE PARKING ASSIST ECU**

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

