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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: PARK ASSIST / MONITORING: PANORAMIC VIEW MONITOR SYSTEM: SYSTEM DESCRIPTION; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

SYSTEM DESCRIPTION

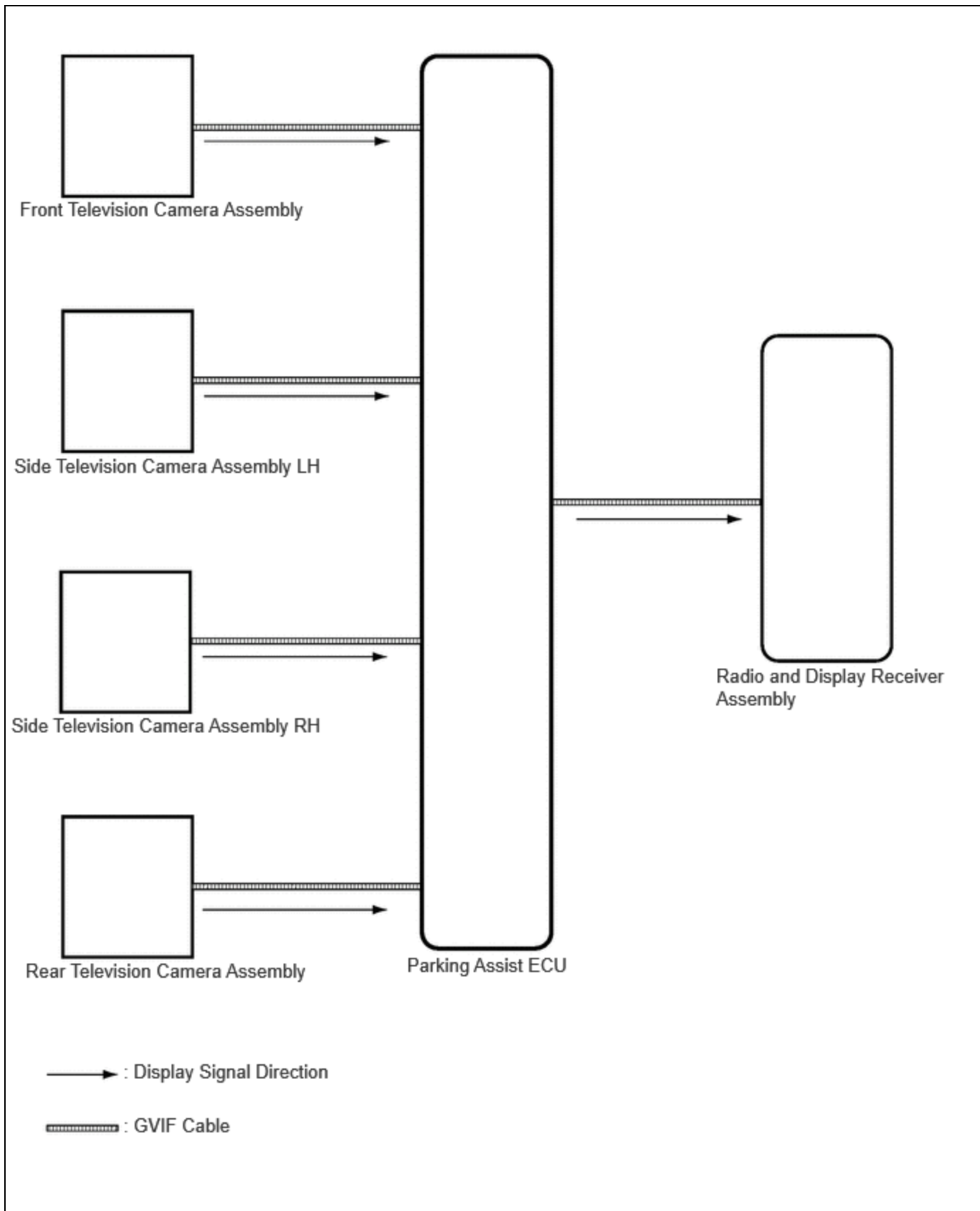
COMMUNICATION SYSTEM OUTLINE

(a) CAN communication system

- (1) The panoramic view monitor system uses CAN communication for data communications between the parking assist ECU and each ECU.
- (2) If a problem occurs in the CAN communication line, the parking assist ECU outputs a CAN communication malfunction DTC. (To check, use the GTS.)
- (3) When there is a problem with the CAN communication line, the parking assist ECU stores a CAN communication malfunction DTC. (Perform a check of the radio and display receiver assembly using the diagnosis screen)
for HEV Model: Click here [INFO](#)
for PHEV Model: Click here [INFO](#)
- (4) If a CAN communication line malfunction DTC is output, repair the malfunction in the communication line and troubleshoot the panoramic view monitor system when data communication is normal.
- (5) Since the CAN communication line has its own length and route, it cannot be repaired temporarily with a bypass wire, etc.

VIDEO SIGNALS

(a) Video signal circuit



(1) Video signals from each camera are input into the parking assist ECU via GVIF cable.

(2) Video signals from the parking assist ECU are input into the radio and display receiver assembly via GVIF cable.

(b) Screen display

- (1) Video signals input from each camera are processed in the parking assist ECU and displayed on the radio and display receiver assembly as the panoramic view monitor system screen.

DIAGNOSTIC FUNCTION OUTLINE

- (a) This panoramic view monitor system has a diagnostic function displayed in the radio and display receiver assembly. This function enables the calibration (adjustment and verification) of the panoramic view monitor system.

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HINT:

The panoramic view monitor system has a diagnosis function which can check each signal input to the parking assist ECU and adjust and monitor the panoramic view monitor system.

- (b) The panoramic view monitor system can check the following items by using the GTS.

ITEM	PROCEED TO
DTC	-
RoB	-
Data List / Active Test	INFO
SSR	-

CALIBRATION

- (a) Use the panoramic view monitor system diagnosis screen for calibration and checking of the panoramic view monitor system.

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NOTICE:

Part replacement and work performed during servicing may require calibration of the panoramic view monitor system and other systems.

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