

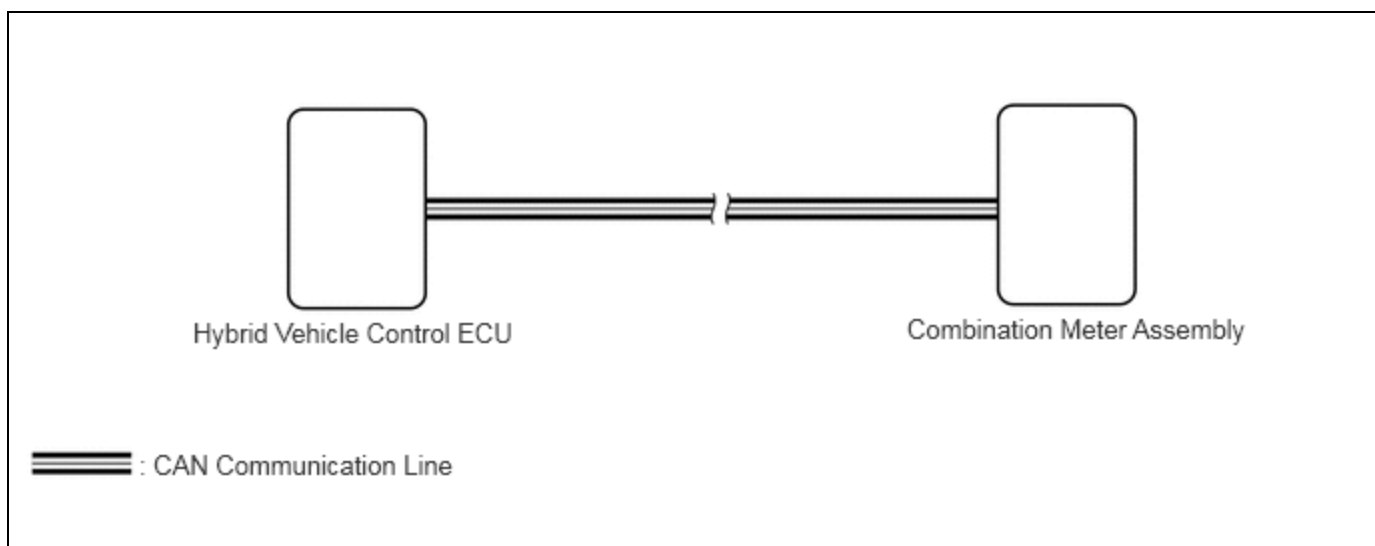
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<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [03/2023 - ]
<b>Title:</b> METER / GAUGE / DISPLAY: METER / GAUGE SYSTEM: Hybrid System Indicator Malfunction; 2023 - 2024 MY Prius Prius Prime [03/2023 - ]		

## Hybrid System Indicator Malfunction

## DESCRIPTION

A hybrid system indicator has been included on this vehicle. In this circuit, the combination meter assembly receives the hybrid system indicator signal from the hybrid vehicle control ECU via CAN communication. The combination meter assembly controls the operation of the hybrid system indicator according to the hybrid system indicator signal received from the hybrid vehicle control ECU via CAN communication.

## WIRING DIAGRAM



## CAUTION / NOTICE / HINT

### NOTICE:

- When replacing the combination meter assembly, always replace it with a new one. If a combination meter assembly which was installed to another vehicle is used, the information stored in it will not match the information from the vehicle and a DTC may be stored.
- When replacing any of the following ECUs, update the ECU security key.

Click here [INFO](#)

- Combination meter assembly
- Hybrid vehicle control ECU
- Before replacing the hybrid vehicle control ECU, refer to Service Bulletin.

## PROCEDURE

### 1. CHECK CAN COMMUNICATION SYSTEM

(a) Check if CAN communication DTCs are output.

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

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

RESULT	PROCEED TO
DTCs are not output	A
DTCs are output	B

**B ▶ GO TO CAN COMMUNICATION SYSTEM**

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

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

**A**  
▼

**2. CHECK FOR DTC (HYBRID CONTROL SYSTEM)**

(a) Check if hybrid control system DTCs are output.

**Powertrain > Hybrid Control > Trouble Codes**

RESULT	PROCEED TO
DTCs are not output	A
DTCs are output	B

**B ▶ GO TO HYBRID CONTROL SYSTEM**

for 2ZR-FXE: Click here [INFO](#)

for M20A-FXS: Click here [INFO](#)

**A**  
▼

**3. READ VALUE USING GTS**

(a) Read the Data List according to the display on the GTS.

**Body Electrical > Combination Meter > Data List**

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
HV/EV System Indicator	Hybrid system indicator value	Min.: -100%, Max.: 511% or Unset	Current hybrid system indicator status	"Unset" is displayed when the vehicle is stopped and the ignition switch is ON (READY).

**Body Electrical > Combination Meter > Data List**

TESTER DISPLAY
HV/EV System Indicator

OK:

Hybrid system indicator value displayed on the GTS is almost the same as the hybrid system indicator indication.

**OK** ► **GO TO HYBRID CONTROL SYSTEM**

for 2ZR-FXE: Click here [INFO](#)

for M20A-FXS: Click here [INFO](#)

**NG** ► **REPLACE COMBINATION METER ASSEMBLY**

