

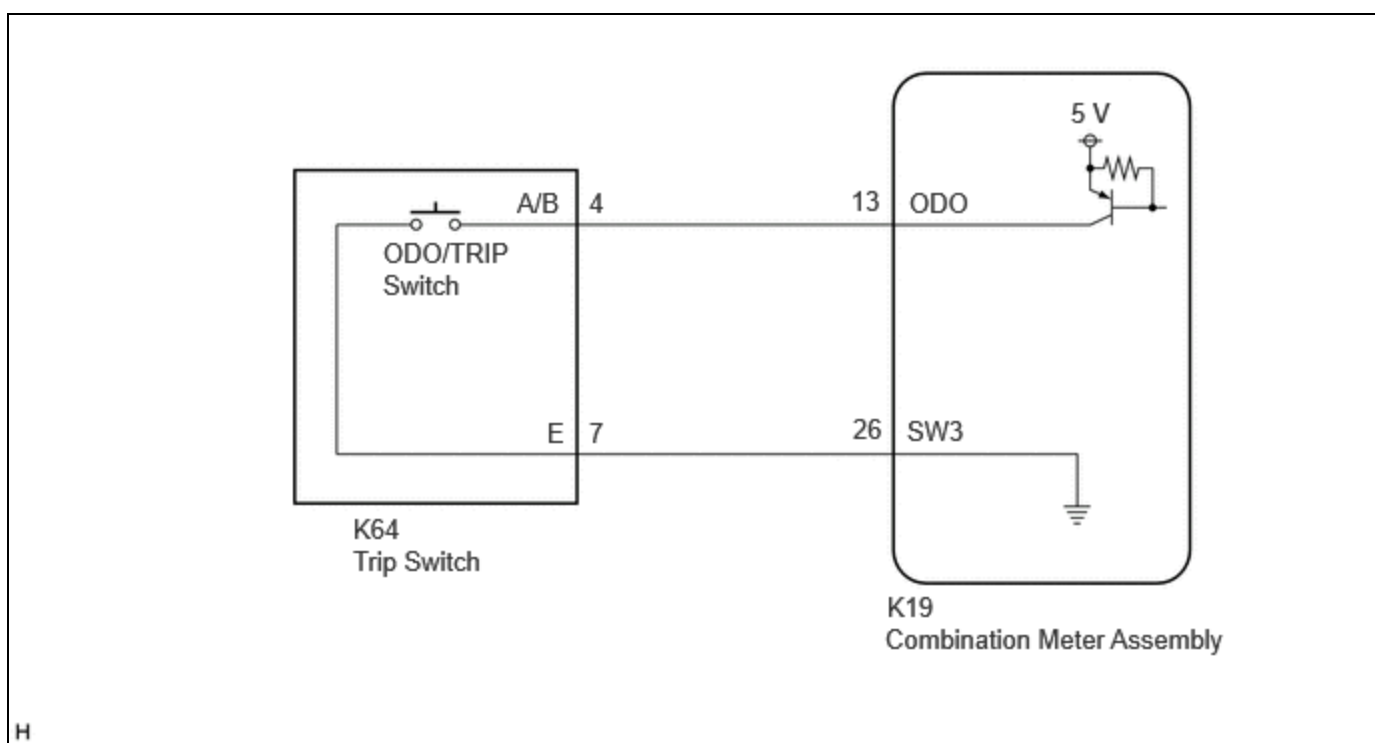
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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: METER / GAUGE / DISPLAY: METER / GAUGE SYSTEM: Odo/Trip Switch Malfunction; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

Odo/Trip Switch Malfunction

DESCRIPTION

The trip switch is connected to the combination meter assembly via direct line. When the ODO/TRIP switch is operated, the display of the multi-information display changes or the displayed value is reset.

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 the combination meter assembly, update the ECU security key.

Click here [INFO](#)

PROCEDURE

1. PERFORM ACTIVE TEST USING GTS

(a) Perform the Active Test according to the display on the GTS.

Body Electrical > Combination Meter > Active Test

TESTER DISPLAY	MEASUREMENT ITEM	CONTROL RANGE	DIAGNOSTIC NOTE
ODO/TRIP Change Switch	Performs the same operation as pressing the ODO/TRIP switch	OFF/ON	-

Body Electrical > Combination Meter > Active Test

TESTER DISPLAY
ODO/TRIP Change Switch

RESULT	PROCEED TO
Active Test can be performed correctly	A
Active Test cannot be performed correctly	B

B  **REPLACE COMBINATION METER ASSEMBLY**

A



2.	READ VALUE USING GTS
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(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
ODO/TRIP Change Switch	ODO/TRIP switch operation	OFF or ON	OFF: Switch released ON: Switch pushed	-

Body Electrical > Combination Meter > Data List

TESTER DISPLAY
ODO/TRIP Change Switch

RESULT	PROCEED TO
The value of the Data List item is correct, and the combination meter assembly operates correctly	A
The value of the Data List item is correct, but the combination meter assembly does not operate correctly	B
The Data List item changes correctly	C

A ► **USE SIMULATION METHOD TO CHECK**

B ► **REPLACE COMBINATION METER ASSEMBLY**

C
▼

3.	INSPECT TRIP SWITCH
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Click here [INFO](#)

NG ► **REPLACE TRIP SWITCH**

OK
▼

4.	CHECK HARNESS AND CONNECTOR (TRIP SWITCH - COMBINATION METER ASSEMBLY)
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- (a) Disconnect the K19 combination meter assembly connector.
- (b) Measure the resistance according to the value(s) in the table below.

Standard Resistance:



- [Click Location & Routing\(K64,K19\)](#)
- [Click Connector\(K64\)](#)
- [Click Connector\(K19\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
K64-4 (A/B) - K19-13 (ODO)	Always	Below 1 Ω
K64-7 (E) - K19-26 (SW3)	Always	Below 1 Ω

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
K64-4 (A/B) or K19-13 (ODO) - Body ground	Always	10 k Ω or higher

OK ► **REPLACE COMBINATION METER ASSEMBLY**

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

