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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: METER / GAUGE / DISPLAY: METER / GAUGE SYSTEM: B132187; Lost Communication with EMV Missing Message; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DTC	B132187	Lost Communication with EMV Missing Message
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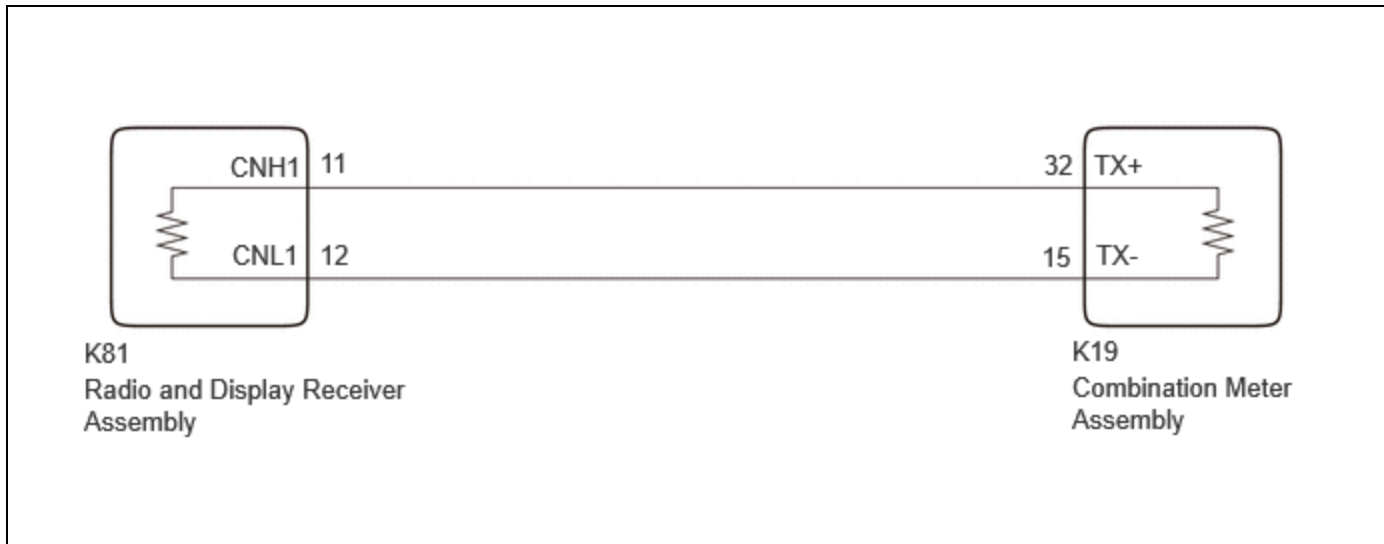
DESCRIPTION

After the combination meter assembly has started, the combination meter assembly attempts to detect the radio and display receiver assembly by performing communication via local bus.

This DTC is stored when the radio and display receiver assembly has been detected but communication between the combination meter assembly and radio and display receiver assembly is interrupted.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
B132187	Lost Communication with EMV Missing Message	<p>Diagnosis Condition:</p> <ul style="list-style-type: none"> The combination meter assembly has started The radio and display receiver assembly has started <p>Malfunction Status:</p> <p>After the radio and display receiver assembly is detected, communication via local bus is interrupted</p> <p>Malfunction Time:</p> <p>30 seconds or more</p>	<ul style="list-style-type: none"> Harness or connector Radio and display receiver assembly Combination meter assembly 	Combination Meter	A

WIRING DIAGRAM



CHECK POINT

- When DTC B132187 is output from the combination meter assembly, other ECUs on the same detection circuit may simultaneously output the same DTC depending on the malfunctioning area.
- Depending on the combination of DTCs simultaneously output by each ECU, the malfunctioning area can be narrowed down. Refer to the following table for DTC combinations output by each ECU.

DTC OUTPUT PATTERN	DTC OUTPUT PART NAME (DISPLAY ON GTS)		MALFUNCTION STATUS/SUSPECTED AREA
	COMBINATION METER ASSEMBLY (COMBINATION METER)	RADIO AND DISPLAY RECEIVER ASSEMBLY (NAVIGATION SYSTEM)	
1	B132187	U11D087	<ul style="list-style-type: none"> • Radio and display receiver assembly • Harness or connector • Combination meter assembly
2	B132187	Not output	<ul style="list-style-type: none"> • Radio and display receiver assembly • Combination meter assembly

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](#)

- After the ignition switch is turned off, there may be a waiting time before disconnecting the negative (-) auxiliary battery terminal.

Click here [INFO](#)

- If the power source circuit for any of the following ECUs is malfunctioning, DTCs may not be correctly output. Therefore, before performing troubleshooting using the following procedure, perform inspections related to the power source circuit of each ECU.
 - Radio and display receiver assembly
- AUDIO AND VISUAL SYSTEM: [Click here](#) INFO
- Combination meter assembly

[Click here](#) INFO

PROCEDURE

1. CHECK FOR DTC

(a) Check each system for DTCs.

Body Electrical > Combination Meter > Trouble Codes

Body Electrical > Navigation System > Trouble Codes

(b) Confirm the DTC combinations of the following table.

DTC OUTPUT PATTERN	DTC OUTPUT PART NAME (DISPLAY ON GTS)	
	COMBINATION METER ASSEMBLY (COMBINATION METER)	RADIO AND DISPLAY RECEIVER ASSEMBLY (NAVIGATION SYSTEM)
1	B132187	U11D087
2	B132187	Not output

RESULT	PROCEED TO
DTC output pattern 1	A
DTC output pattern 2	B

B ▶ GO TO STEP 3

A



2. INSPECT EACH ECU (INTERNAL MALFUNCTION)

Pre-procedure1

(a) Remove 1 of the following ECUs.

- Radio and display receiver assembly

HINT:

[Click here](#) 

- Combination meter assembly

HINT:

[Click here](#) 

Procedure1

(b) Measure the resistance of the removed ECU.

NOTICE:

- Refer to the following table for the specified conditions of each ECU.
- If the specified conditions are met, repeat the inspection procedure from step (a) for another ECU.

HINT:

If the results of an ECU are not as specified, it is suspected that the ECU is the cause of the DTC.

(1) Inspect the radio and display receiver assembly.

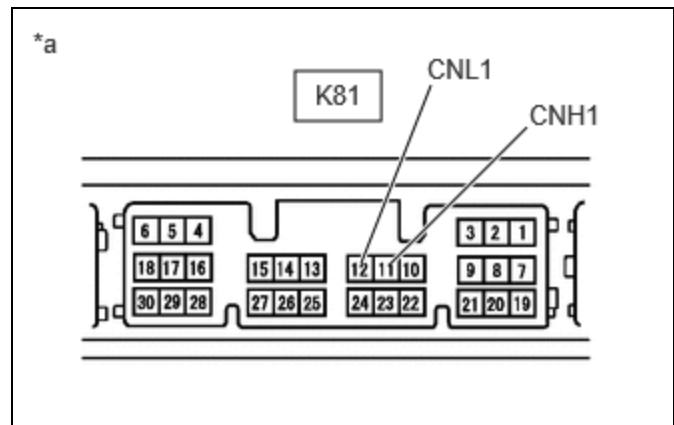
Standard Resistance:



[Click Location & Routing\(K81\)](#)

[Click Connector\(K81\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
K81-11 (CNH1) - K81-12 (CNL1)	Always	108 to 132 Ω



*a Component without harness connected (Radio and Display Receiver Assembly)

(2) Inspect the combination meter assembly.

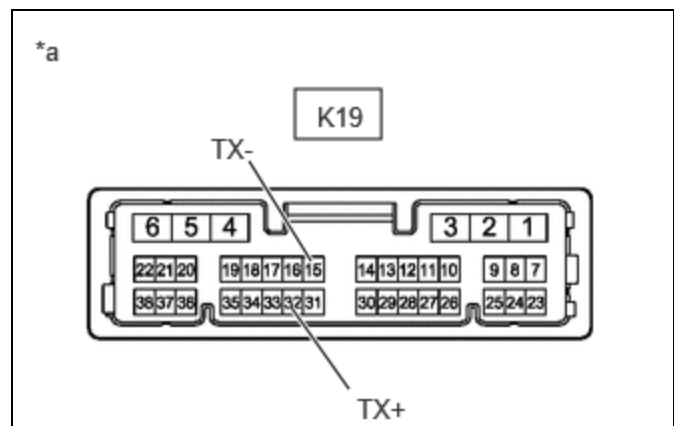
Standard Resistance:



[Click Location & Routing\(K19\)](#)

[Click Connector\(K19\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
K19-32 (TX+) - K19-15 (TX-)	Always	108 to 132 Ω



*a Component without harness connected (Combination Meter Assembly)

Result:

Result	PROCEED TO
The results of all ECUs are as specified	A
The results of the radio and display receiver assembly is not as specified	B
The results of the combination meter assembly is not as specified	C

Post-procedure1

(c) None

A ► REPAIR OR REPLACE HARNESS OR CONNECTOR

B ► REPLACE RADIO AND DISPLAY RECEIVER ASSEMBLY

C ► REPLACE COMBINATION METER ASSEMBLY

3.	CLEAR DTC
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(a) Clear the DTCs.

Body Electrical > Combination Meter > Clear DTCs

NEXT



4.	CHECK FOR DTC
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Pre-procedure1

(a) Disconnect the cable from the negative (-) auxiliary battery terminal.

HINT:

By disconnecting the cable from the negative (-) auxiliary battery terminal, the internally stored information related to local bus communication for the combination meter assembly is reset.

(b) Disconnect the K81 radio and display receiver assembly connector.

(c) Connect the cable to the negative (-) auxiliary battery terminal.

Pre-procedure2

(d) Turn the ignition switch to ON.

(e) Wait 30 seconds or more.

Procedure1

(f) Check for DTCs.

Body Electrical > Combination Meter > Trouble Codes

HINT:

By resetting the internally stored information related to local bus communication, the detection conditions of DTC B132187 are not met as the combination meter assembly does not detect the radio and display receiver assembly. If the combination meter assembly is operating normally, DTC B132187 will not be stored.

Result	PROCEED TO
B132187 is not output	A
B132187 is output	B

Post-procedure1

(g) None

A ► **REPLACE RADIO AND DISPLAY RECEIVER ASSEMBLY**

B ► **REPLACE COMBINATION METER ASSEMBLY**

