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<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [12/2022 - ]
<b>Title:</b> AUDIO / VIDEO: AUDIO AND VISUAL SYSTEM: U11D087; Lost Local Communication with MET Missing Message; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

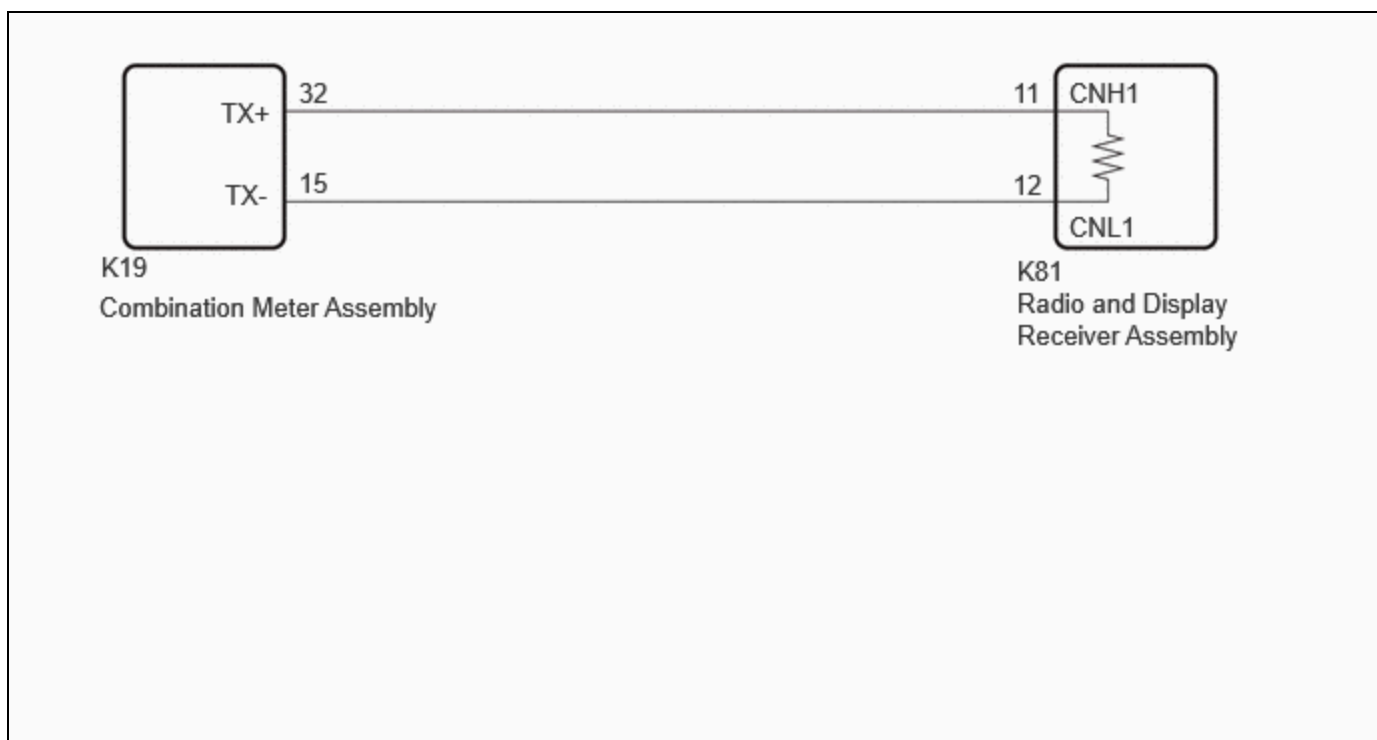
<b>DTC</b>	<b>U11D087</b>	<b>Lost Local Communication with MET Missing Message</b>
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## DESCRIPTION

These DTCs are stored when the radio and display receiver assembly detects a communication malfunction with the combination meter assembly.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
U11D087	Lost Local Communication with MET Missing Message	Communication malfunction between radio and display receiver assembly and combination meter assembly for 30 seconds or more  (2 trip detection logic)	<ul style="list-style-type: none"> <li>• Open or short in local bus circuit</li> <li>• Harness or connector</li> <li>• Combination meter assembly</li> <li>• Radio and display receiver assembly</li> </ul>	Navigation System	A

## WIRING DIAGRAM



## CAUTION / NOTICE / HINT

### NOTICE:

- Depending on the parts that are replaced during vehicle inspection or maintenance, performing initialization, registration or calibration may be needed.

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- Inspect the fuses for circuits related to this system before performing the following procedure.
- When replacing the combination meter assembly, make sure to replace it with a new one. If a combination meter assembly which was installed to another vehicle is used, the information stored in the combination meter assembly will not match the information from the vehicle and a DTC may be stored.
- Before measuring the resistance of the CAN bus, turn the ignition switch off and leave the vehicle for 1 minute or more without operating the key, switches or opening or closing the doors. After that, disconnect the cable from the negative (-) battery terminal and leave the vehicle for 1 minute or more before measuring the resistance.
- After turning the ignition switch off, waiting time may be required before disconnecting the cable from the negative (-) battery terminal. Therefore make sure to read the disconnecting the cable from the negative (-) battery terminal notices before proceeding with work.

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### HINT:

- Before disconnecting related connectors for inspection, push in on the connector body to check that each connector is not loose or disconnected.
- When a connector is disconnected, check that the terminals and connector body are not cracked, deformed or corroded.
- When the cable is disconnected / reconnected to the battery terminal, systems temporarily stop operating. However, each system has a function that completes learning the first time the system is used.

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## PROCEDURE

- |           |  |
|-----------|--|
| <b>1.</b> | <b>CHECK FOR CAN BUS WIRE (COMBINATION METER ASSEMBLY MAIN WIRE)</b> |
|-----------|--|

## Pre-procedure1

- (a) Disconnect the cable from the negative (-) battery terminal.
- (b) Disconnect the K19 combination meter assembly connector.

## Procedure1

- (c) Measure the resistance according to the value(s) in the table below.

Standard Resistance:



[Click Location & Routing\(K19,K8\).](#)

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

[Click Connector\(K8\).](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
K19-32 (TX+) - K19-15 (TX-)	Cable disconnected from negative (-) battery terminal	108 to 132 $\Omega$	$\Omega$
K19-32 (TX+) - K8-4 (CG)	Cable disconnected from negative (-) battery terminal	200 $\Omega$ or higher	$\Omega$
K19-15 (TX-) - K8-4 (CG)	Cable disconnected from negative (-) battery terminal	200 $\Omega$ or higher	$\Omega$
K19-32 (TX+) - K8-16 (BAT)	Cable disconnected from negative (-) battery terminal	6 k $\Omega$ or higher	k $\Omega$
K19-15 (TX-) - K8-16 (BAT)	Cable disconnected from negative (-) battery terminal	6 k $\Omega$ or higher	k $\Omega$

## Post-procedure1

- (d) None

**OK** **REPLACE COMBINATION METER ASSEMBLY**

**NG**



<b>2.</b>	<b>CHECK FOR CAN BUS WIRE (RADIO AND DISPLAY RECEIVER ASSEMBLY MAIN WIRE)</b>
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## Pre-procedure1

- (a) Disconnect the cable from the negative (-) battery terminal.
- (b) Disconnect the K81 radio and display receiver assembly connector.

## Procedure1

- (c) Measure the resistance according to the value(s) in the table below.

Standard Resistance:



[Click Location & Routing\(K81,K8\)](#)

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

[Click Connector\(K8\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
K81-11 (CNH1) - K81-12 (CNL1)	Cable disconnected from negative (-) battery terminal	108 to 132 $\Omega$	$\Omega$
K81-11 (CNH1) - K8-4 (CG)	Cable disconnected from negative (-) battery terminal	200 $\Omega$ or higher	$\Omega$
K81-12 (CNL1) - K8-4 (CG)	Cable disconnected from negative (-) battery terminal	200 $\Omega$ or higher	$\Omega$
K81-11 (CNH1) - K8-16 (BAT)	Cable disconnected from negative (-) battery terminal	6 k $\Omega$ or higher	k $\Omega$
K81-12 (CNL1) - K8-16 (BAT)	Cable disconnected from negative (-) battery terminal	6 k $\Omega$ or higher	k $\Omega$

Post-procedure1

(d) None

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

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

