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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> AUDIO / VIDEO: AUDIO AND VISUAL SYSTEM: U010087,....,U111087; Lost Communication With ECM/PCM "A" Missing Message; 2023 - 2024 MY Prius Prius Prime [03/2023 - ]		

<b>DTC</b>	<b>U010087</b>	<b>Lost Communication With ECM/PCM "A" Missing Message</b>
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<b>DTC</b>	<b>U012987</b>	<b>Lost Communication With Brake System Control Module Missing Message</b>
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<b>DTC</b>	<b>U014087</b>	<b>Lost Communication with Body Control Module Missing Message</b>
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<b>DTC</b>	<b>U015587</b>	<b>Lost Communication with Instrument Panel Cluster (IPC) Control Module Missing Message</b>
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<b>DTC</b>	<b>U016487</b>	<b>Lost Communication with HVAC Control Module Missing Message</b>
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<b>DTC</b>	<b>U016887</b>	<b>Lost Communication with Vehicle Security Control Module Missing Message</b>
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<b>DTC</b>	<b>U019887</b>	<b>Lost Communication with Telematic Control Module "A" Missing Message</b>
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<b>DTC</b>	<b>U023B87</b>	<b>Lost Communication with Image Processing Module "B" Missing Message</b>
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<b>DTC</b>	<b>U026587</b>	<b>Lost Communication with Image Processing Sensor A Missing Message</b>
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<b>DTC</b>	<b>U029387</b>	<b>Lost Communication with Hybrid/EV Powertrain Control Module Missing Message</b>
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<b>DTC</b>	<b>U100049</b>	<b>CAN Register Fixing Internal Electronic Failure</b>
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<b>DTC</b>	<b>U111087</b>	<b>Lost Communication with Clearance Sonar Module</b>
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## DESCRIPTION

These DTCs are stored when the radio and display receiver assembly detects a malfunction in the CAN communication circuit.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
U010087	Lost Communication With ECM/PCM "A" Missing Message	Communication malfunction between radio and display receiver assembly and Engine/EV ECU for 12 seconds or more	CAN communication system	Navigation System	B
U012987	Lost Communication With Brake System Control Module Missing Message	Communication malfunction between radio and display receiver assembly and No. 2 skid control ECU (brake actuator assembly) for 11 seconds or more  (2 trip detection logic)	CAN communication system	Navigation System	B
U014087	Lost Communication with Body Control Module Missing Message	Communication malfunction between radio and display receiver assembly and main body ECU (multiplex network body ECU) for 11 seconds or more  (2 trip detection logic)	CAN communication system	Navigation System	B
U015587	Lost Communication with Instrument Panel Cluster (IPC) Control Module Missing Message	Communication malfunction between radio and display receiver assembly and combination meter assembly for 31 seconds or more	CAN communication system	Navigation System	B
U016487	Lost Communication with HVAC Control Module Missing Message	Communication malfunction between radio and display receiver assembly and air conditioning amplifier assembly for 10 seconds or more  (2 trip detection logic)	CAN communication system	Navigation System	B
U016887	Lost Communication with Vehicle Security Control Module Missing Message	Communication malfunction between radio and display receiver assembly and certification ECU (smart key ECU assembly) for 11 seconds or more  (2 trip detection logic)	CAN communication system	Navigation System	B

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
U019887	Lost Communication with Telematic Control Module "A" Missing Message	Communication malfunction between radio and display receiver assembly and telematics transceiver for 3 seconds or more  (2 trip detection logic)	CAN communication system	Navigation System	B
U029387	Lost Communication with Hybrid/EV Powertrain Control Module Missing Message	Communication malfunction between radio and display receiver assembly and hybrid vehicle control ECU for 11 seconds or more  (2 trip detection logic)	CAN communication system	Navigation System	B
U100049	CAN Register Fixing Internal Electronic Failure	<ul style="list-style-type: none"> <li>• A CAN bus connection malfunction is detected</li> <li>• CAN bus off is detected</li> <li>• CAN bus connection error</li> </ul> (2 trip detection logic)	<ul style="list-style-type: none"> <li>• CAN communication system</li> <li>• Radio and display receiver assembly</li> </ul>	Navigation System	B
U111087	Lost Communication with Clearance Sonar Module	Communication malfunction between radio and display receiver assembly and clearance warning ECU assembly for 11 seconds or more  (2 trip detection logic)	CAN communication system	Navigation System	B

## **PROCEDURE**

<b>1.</b>	<b>CLEAR DTC</b>
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(a) Clear the DTCs.

**Body Electrical > Navigation System > Clear DTCs**

**NEXT**



<b>2.</b>	<b>CHECK FOR DTC</b>
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Pre-procedure1

- (a) Turn the ignition switch off.
- (b) Turn the ignition switch to ON and wait for 45 seconds or more.

Procedure1

- (c) Check for DTCs.

**Body Electrical > Navigation System > Trouble Codes**

RESULT	PROCEED TO
DTCs are not output	A
U010087, U012987, U014087, U015587, U016487, U016887, U019887, U029387, U100049 or U111087 is output	B
U100049 is output	C

Post-procedure1

- (d) None

**A** ► **GO TO HOW TO PROCEED WITH TROUBLESHOOTING**

**B** ► **GO TO CAN COMMUNICATION SYSTEM**

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

