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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: LIGHTING (EXT): LIGHTING SYSTEM: U010087,....,U111787; Lost Communication With ECM/PCM "A" Missing Message; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

DTC	U010087	Lost Communication With ECM/PCM "A" Missing Message
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DTC	U010187	Lost Communication with TCM Missing Message
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DTC	U011187	Lost Communication with Battery Energy Control Module "A" Missing Message
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DTC	U012687	Lost Communication with Steering Angle Sensor Module Missing Message
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DTC	U012987	Lost Communication with Brake System Control Module "A" Missing Message
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DTC	U015187	Lost Communication with Restraints Control Module Missing Message
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DTC	U015587	Lost Communication with Instrument Panel Cluster (IPC) Control Module Missing Message
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DTC	U016387	Lost Communication with Navigation Control Module Missing Message
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DTC	U016487	Lost Communication with HVAC Control Module Missing Message
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DTC	U016887	Lost Communication with Vehicle Security Control Module Missing Message
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DTC	U020887	Lost Communication with "Seat Control Module A" Missing Message
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DTC	U023087	Lost Communication with Rear Gate Module Missing Message
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DTC	U023A87	Lost Communication with Image Processing Module "A" Missing Message
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DTC	U023B87	Lost Communication with Image Processing Module "B" Missing Message
DTC	U024187	Lost Communication with Headlamp Control Module "A" Missing Message
DTC	U026587	Lost Communication with Image Processing Sensor A Missing Message
DTC	U029387	Lost Communication with Hybrid/EV Powertrain Control Module Missing Message
DTC	U110487	Lost Communication with Driving Support ECU Missing Message
DTC	U110687	Lost Communication with Electric Parking Brake Module Missing Message
DTC	U110787	Lost Communication with Power Management Module Missing Message
DTC	U111087	Lost Communication with Intuitive Parking Assist Module Missing Message
DTC	U111787	Lost Communication with Accessory Gateway Missing Message

DESCRIPTION

These DTCs are stored if a CAN communication malfunction occurs between the main body ECU (multiplex network body ECU) and other ECUs.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
U010087	Lost Communication With ECM/PCM "A" Missing Message	The main body ECU (multiplex network body ECU) does not receive data from the ECM for approximately 10 seconds or more.	CAN communication system	Main Body	B
U010187	Lost Communication with TCM Missing Message	The main body ECU (multiplex network body ECU) does not receive data from the hybrid vehicle control ECU for approximately 10 seconds or more.	CAN communication system	Main Body	B

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
U011187	Lost Communication with Battery Energy Control Module "A" Missing Message	The main body ECU (multiplex network body ECU) does not receive data from the hybrid vehicle control ECU for approximately 10 seconds or more.	CAN communication system	Main Body	B
U012687	Lost Communication with Steering Angle Sensor Module Missing Message	The main body ECU (multiplex network body ECU) does not receive data from the steering sensor for approximately 10 seconds or more.	CAN communication system	Main Body	B
U012987	Lost Communication with Brake System Control Module "A" Missing Message	The main body ECU (multiplex network body ECU) does not receive data from the No. 2 skid control ECU (brake actuator assembly) for approximately 10 seconds or more.	CAN communication system	Main Body	B
U015187	Lost Communication with Restraints Control Module Missing Message	The main body ECU (multiplex network body ECU) does not receive data from the airbag sensor assembly for approximately 10 seconds or more.	CAN communication system	Main Body	B
U015587	Lost Communication with Instrument Panel Cluster (IPC) Control Module Missing Message	The main body ECU (multiplex network body ECU) does not receive data from the combination meter assembly for approximately 10 seconds or more.	CAN communication system	Main Body	B
U016387	Lost Communication with Navigation Control Module Missing Message	The main body ECU (multiplex network body ECU) does not receive data from the radio receiver assembly for approximately 10 seconds or more.	CAN communication system	Main Body	B
U016487	Lost Communication with HVAC Control Module Missing Message	The main body ECU (multiplex network body ECU) does not receive data from the air conditioning amplifier assembly for approximately 10 seconds or more.	CAN communication system	Main Body	B
U016887	Lost Communication with Vehicle Security Control Module Missing Message	The main body ECU (multiplex network body ECU) does not receive data from the certification ECU	CAN communication system	Main Body	B

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
		(smart key ECU assembly) for approximately 10 seconds or more.			
U020887	Lost Communication with "Seat Control Module A" Missing Message	The main body ECU (multiplex network body ECU) does not receive data from the position control ECU assembly for approximately 10 seconds or more.	CAN communication system	Main Body	B
U023087	Lost Communication with Rear Gate Module Missing Message	The main body ECU (multiplex network body ECU) does not receive data from the multiplex network door ECU for approximately 10 seconds or more.	CAN communication system	Main Body	B
U023A87	Lost Communication with Image Processing Module "A" Missing Message	The main body ECU (multiplex network body ECU) does not receive data from the forward recognition camera for approximately 10 seconds or more.	CAN communication system	Main Body	B
U023B87	Lost Communication with Image Processing Module "B" Missing Message	The main body ECU (multiplex network body ECU) does not receive data from the clearance warning ECU assembly for approximately 10 seconds or more.	CAN communication system	Main Body	B
U024187	Lost Communication with Headlamp Control Module "A" Missing Message	The main body ECU (multiplex network body ECU) does not receive data from the headlight ECU sub-assembly LH for approximately 10 seconds or more.	CAN communication system	Main Body	B
U026587	Lost Communication with Image Processing Sensor A Missing Message	The main body ECU (multiplex network body ECU) does not receive data from the rear television camera assembly for approximately 10 seconds or more.	CAN communication system	Main Body	B
U029387	Lost Communication with Hybrid/EV Powertrain Control Module Missing Message	The main body ECU (multiplex network body ECU) does not receive data from the hybrid vehicle control ECU for approximately 10 seconds or more.	CAN communication system	Main Body	B

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
U110487	Lost Communication with Driving Support ECU Missing Message	The main body ECU (multiplex network body ECU) does not receive data from the forward recognition camera for approximately 10 seconds or more.	CAN communication system	Main Body	B
U110687	Lost Communication with Electric Parking Brake Module Missing Message	The main body ECU (multiplex network body ECU) does not receive data from the No. 2 skid control ECU (brake actuator assembly) for approximately 10 seconds or more.	CAN communication system	Main Body	B
U110787	Lost Communication with Power Management Module Missing Message	The main body ECU (multiplex network body ECU) does not receive data from the certification ECU (smart key ECU assembly) for approximately 10 seconds or more.	CAN communication system	Main Body	B
U111087	Lost Communication with Intuitive Parking Assist Module Missing Message	The main body ECU (multiplex network body ECU) does not receive data from the clearance warning ECU assembly for approximately 10 seconds or more.	CAN communication system	Main Body	B
U111787	Lost Communication with Accessory Gateway Missing Message	The main body ECU (multiplex network body ECU) does not receive data from the option connector (bus buffer ECU) for approximately 10 seconds or more.	CAN communication system	Main Body	B

PROCEDURE

1.	CLEAR DTC
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(a) Clear the DTCs.

Body Electrical > Main Body > Clear DTCs

NEXT



2. CHECK FOR DTC

Pre-procedure1

- (a) Turn the ignition switch to ON.
- (b) Wait 20 seconds or more.

Procedure1

- (c) Check for DTCs.

Body Electrical > Main Body > Trouble Codes

RESULT	PROCEED TO
DTCs are not output	A
U010087, U010187, U011187, U012687, U012987, U015187, U015587, U016387, U016487, U016887, U020887, U023087, U023A87, U023B87, U024187, U026587, U029387, U110487, U110687, U110787, U111087 or U111787 is output	B

Post-procedure1

- (d) None

A ▶ USE SIMULATION METHOD TO CHECK

B ▶ GO TO CAN COMMUNICATION SYSTEM

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

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

