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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: GARAGE DOOR OPENER: GARAGE DOOR OPENER SYSTEM (for Digital Inner Mirror): U010187,U014087,U029387; Lost Communication with TCM Missing Message; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

DTC	U010187	Lost Communication with TCM Missing Message
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DTC	U014087	Lost Communication with Body Control Module Missing Message
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DTC	U029387	Lost Communication with Hybrid/EV Powertrain Control Module Missing Message
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DESCRIPTION

- U010187: The inner rear view mirror assembly receives signals from the hybrid vehicle control ECU via CAN communication.
- U014087: The inner rear view mirror assembly receives signals from the main body ECU (multiplex network body ECU) via CAN communication.
- U029387: The inner rear view mirror assembly receives signals from the hybrid vehicle control ECU via CAN communication.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
U010187	Lost Communication with TCM Missing Message	No communication between inner rear view mirror assembly and hybrid vehicle control ECU for 10 seconds or more. (1-trip detection logic*)	<ul style="list-style-type: none"> • CAN communication system • Inner rear view mirror assembly • Hybrid vehicle control ECU • Wire harness or connector 	Digital Rear-View Mirror	B
U014087	Lost Communication with Body Control Module Missing Message	No communication between inner rear view mirror assembly and main body ECU (multiplex network body ECU) for 10 seconds or more. (1-trip detection logic*)	<ul style="list-style-type: none"> • CAN communication system • Inner rear view mirror assembly • Main body ECU (multiplex network body ECU) • Wire harness or connector 	Digital Rear-View Mirror	B

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
U029387	Lost Communication with Hybrid/EV Powertrain Control Module Missing Message	No communication between inner rear view mirror assembly and hybrid vehicle control ECU for 10 seconds or more. (1-trip detection logic*)	<ul style="list-style-type: none"> CAN communication system Inner rear view mirror assembly Hybrid vehicle control ECU Wire harness or connector 	Digital Rear-View Mirror	B

*: Only detected while a malfunction is present and the ignition switch is ON.

Confirmation procedure

HINT:

After repairs have been completed, clear the DTCs and then check that the vehicle has returned to normal by performing "All Readiness" using the GTS.

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1. Check that the power supply voltage of the inner rear view mirror assembly is 10 V or more.
2. Turn the ignition switch to ON and wait for 20 seconds or more.

PROCEDURE

1.	CLEAR DTC
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(a) Clear the DTCs.

Body Electrical > Digital Rear-View Mirror > Clear DTCs

NEXT

2.	CHECK FOR DTC
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(a) Check if CAN communication DTCs are output.

Body Electrical > Digital Rear-View Mirror > Trouble Codes

OK:

DTC U010187, U014087 and U029387 are not output

RESULT	PROCEED TO
DTCs are not output	A

RESULT	PROCEED TO
U010187, U014087 or U029387 is output	B

HINT:

- If CAN communication system malfunction DTCs are output, they may also be output for other systems.
- If the CAN communication system has been inspected and repaired in other systems, the DTC will not be output when rechecking for DTCs.
- If the DTC is output frequently, duplicate the conditions that cause the problem symptoms and perform the check again, even though the DTC was not output when rechecking for DTCs.

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A ▶ **USE SIMULATION METHOD TO CHECK**

B ▶ **GO TO CAN COMMUNICATION SYSTEM**

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

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

