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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> ADVANCED DRIVER ASSISTANCE SYSTEM: FRONT SIDE RADAR SENSOR SYSTEM: U012987,U013187,U029387; Lost Communication with Brake System Control Module "A" Missing Message; 2023 - 2024 MY Prius Prius Prime [03/2023 - ]		

<b>DTC</b>	<b>U012987</b>	<b>Lost Communication with Brake System Control Module "A" Missing Message</b>
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<b>DTC</b>	<b>U013187</b>	<b>Lost Communication with Power Steering Control Module "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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## DESCRIPTION

The object recognition camera communicates with each sensor and ECU via CAN communication.

If any malfunction is detected in a CAN communication circuit, one or more CAN communication system DTCs are stored.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
U012987	Lost Communication with Brake System Control Module "A" Missing Message	After 3 seconds or more have elapsed since the ignition switch was turned to ON (IG), there is a communication malfunction between the front side radar sensor (A) and No. 2 skid control ECU (brake actuator sub-assembly) for approximately 5 seconds or more.	CAN communication system	Front Side Radar "A"	B
U013187	Lost Communication with Power Steering Control Module "A" Missing Message	After 3 seconds or more have elapsed since the ignition switch was turned to ON (IG), there is a communication malfunction between the front side radar sensor (A) and power steering ECU assembly for approximately 4 seconds or more.	CAN communication system	Front Side Radar "A"	B
U029387	Lost Communication with Hybrid/EV Powertrain Control Module Missing Message	When the vehicle speed is 5 km/h or more and 3 seconds or more have elapsed since the ignition switch was turned to ON (IG), there is a communication malfunction between the front side radar sensor (A) and hybrid vehicle control ECU for 11 seconds or more.	CAN communication system	Front Side Radar "A"	B

## PROCEDURE

### 1. CHECK FOR DTCs

(a) Check for DTCs.

**HINT:**

If the detection conditions are not met, the system cannot detect the malfunction.

**Body Electrical > Front Side Radar "A" > Trouble Codes**

RESULT	PROCEED TO
DTCs are not output	A
U012987, U013187 or U029387 is output	B

**A** ► **USE SIMULATION METHOD TO CHECK**

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

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

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

