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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> THEFT DETERRENT / KEYLESS ENTRY: DIGITAL KEY SYSTEM: B27C387; Driver Side BLE Antenna Missing Message; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

<b>DTC</b>	<b>B27C387</b>	<b>Driver Side BLE Antenna Missing Message</b>
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## DESCRIPTION

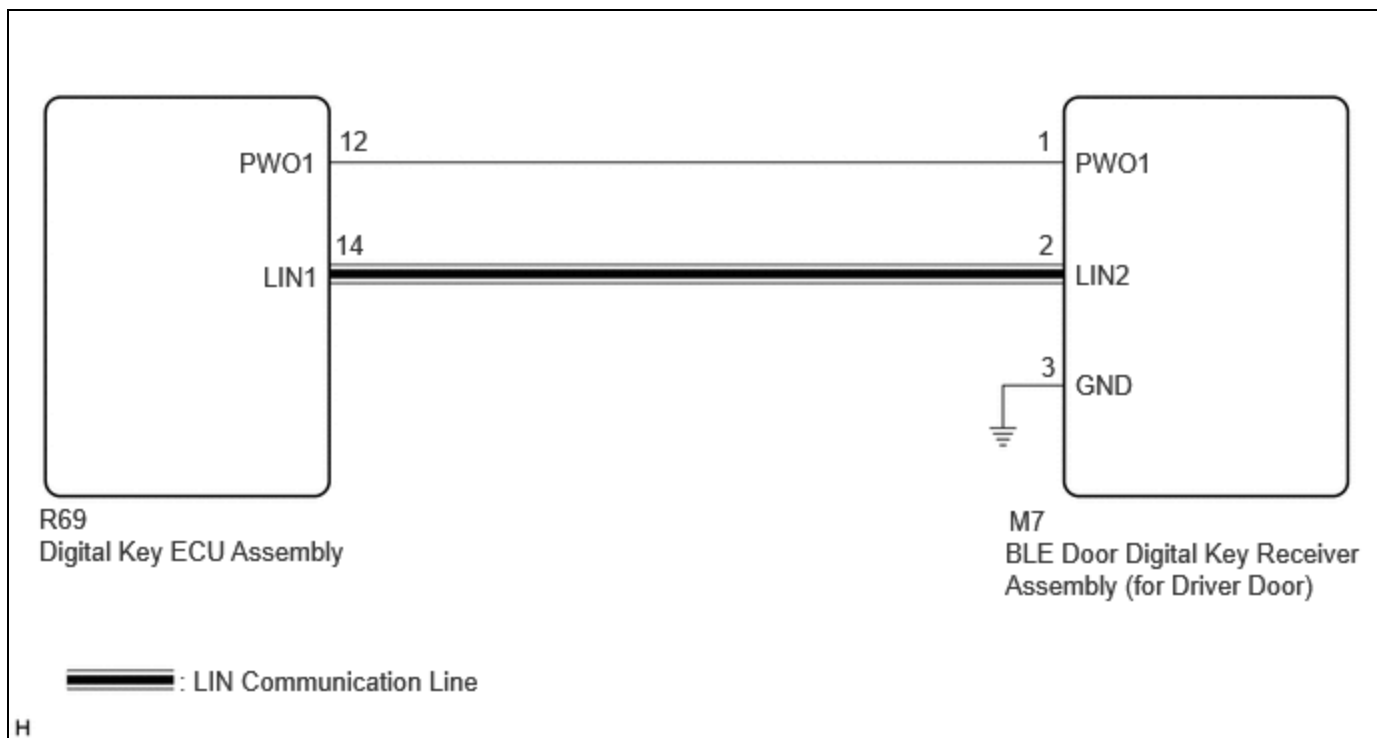
This DTC is stored when a LIN communication malfunction between the digital key ECU assembly and BLE door digital key receiver assembly (for driver door) is detected.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY	NOTE
B27C387	Driver Side BLE Antenna Missing Message	LIN communication malfunction between the digital key ECU assembly and BLE door digital key receiver assembly (for driver door)	<ul style="list-style-type: none"> <li>Digital key ECU assembly</li> <li>BLE door digital key receiver assembly (for driver door)</li> <li>Wire harness or connector</li> </ul>	Smart Key	A	<b>DTC Output Confirmation Operation:</b>  Any time

### Vehicle Condition and Fail-safe Operation when Malfunction Detected

VEHICLE CONDITION WHEN MALFUNCTION DETECTED	FAIL-SAFE OPERATION WHEN MALFUNCTION DETECTED
Digital key is inside the driver seat digital key detection range  Driver door entry function does not operate	-

## WIRING DIAGRAM



## CAUTION / NOTICE / HINT

### NOTICE:

- Before replacing the digital key ECU assembly or BLE door digital key receiver assembly (for driver door), refer to Registration.

Click here [INFO](#)

- Cancel power saving mode before performing troubleshooting.

Click here [INFO](#)

## PROCEDURE

### 1. CHECK CONNECTOR CONNECTION

- (a) Check that the connectors are properly connected to the digital key ECU assembly and BLE door digital key receiver assembly (for driver door).

OK:

Connectors are properly connected.

**NG** **CONNECT CONNECTORS PROPERLY**

**OK**



## 2. CHECK HARNESS AND CONNECTOR (DIGITAL KEY ECU ASSEMBLY - BLE DOOR DIGITAL KEY RECEIVER ASSEMBLY (FOR DRIVER DOOR) - BODY GROUND)

Pre-procedure1

- (a) Disconnect the R69 digital key ECU assembly connector.
- (b) Disconnect the M7 BLE door digital key receiver assembly (for driver door) connector.

Procedure1

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

Standard Resistance:



[Click Location & Routing\(R69,M7\).](#)

[Click Connector\(R69\).](#)

[Click Connector\(M7\).](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
R69-12 (PWO1) - M7-1 (PWO1)	Always	Below 1 $\Omega$	$\Omega$
R69-12 (PWO1) or M7-1 (PWO1) - Other terminals and body ground	Always	10 k $\Omega$ or higher	k $\Omega$
R69-14 (LIN1) - M7-2 (LIN2)	Always	Below 1 $\Omega$	$\Omega$
R69-14 (LIN1) or M7-2 (LIN2) - Other terminals and body ground	Always	10 k $\Omega$ or higher	k $\Omega$
M7-3 (GND) - Body ground	Always	Below 1 $\Omega$	$\Omega$

Post-procedure1

- (d) Connect the R69 digital key ECU assembly connector.

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

**OK**



## 3. REPLACE BLE DOOR DIGITAL KEY RECEIVER ASSEMBLY (FOR DRIVER DOOR)

- (a) Replace the BLE door digital key receiver assembly (for driver door) with a new one or used one.

**HINT:**

[Click here](#)

**NEXT**



**4. CLEAR DTC**

(a) Clear the DTCs.

**Body Electrical > Smart Key > Clear DTCs****NEXT****5. CHECK DTC**

(a) Check for DTCs.

**Body Electrical > Smart Key > Trouble Codes**

RESULT	PROCEED TO
B27C387 is not output	A
B27C387 is output	B

**A** ▶ **END (BLE DOOR DIGITAL KEY RECEIVER ASSEMBLY (FOR DRIVER DOOR) WAS DEFECTIVE)**

**B** ▶ **REPLACE DIGITAL KEY ECU ASSEMBLY** [INFO](#)

