

<b>Last Modified:</b> 12-04-2024	6.11:8.1.0	<b>Doc ID:</b> RM10000002909I
<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: SMART KEY SYSTEM (for Start Function): PROBLEM SYMPTOMS TABLE; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

## PROBLEM SYMPTOMS TABLE

**HINT:**

- Use the table below to help determine the cause of problem symptoms. If multiple suspected areas are listed, the potential causes of the symptoms are listed in order of probability in the "Suspected Area" column of the table. Check each symptom by checking the suspected areas in the order they are listed. Replace parts as necessary.
- Inspect the fuses and relays related to the system before inspecting the suspected areas below.
- If the problem occurs in certain locations or times of day, the possibility of wave interference is high.
- If a malfunction occurred after optional components were installed by the dealer, check if there is wave interference from the components.

### Smart Key System (for Start Function)

SYMPTOM	SUSPECTED AREA	LINK
Power source mode does not change to ON or ACC	Smart key system (for Entry Function)	<a href="#">INFO</a>
	Affected by wave interference	
	Transmitter battery	
	Electrical key transmitter sub-assembly	
	No. 1 indoor electrical key antenna assembly (front floor)	
	No. 2 indoor electrical key antenna assembly (rear floor)	
	Power switch	
	Wire harness or connector	
	Power distribution box assembly	
	Certification ECU (Smart key ECU assembly)	
Power source mode does not change to ON	Wire harness or connector	<a href="#">INFO</a>
	Relay	

SYMPTOM	SUSPECTED AREA	LINK
	Power distribution box assembly	
	Certification ECU (Smart key ECU assembly)	
Power source mode does not change to ACC	Wire harness or connector	<a href="#">INFO</a>
	Relay	
	Power distribution box assembly	
	Certification ECU (Smart key ECU assembly)	
Power source mode does not change to ON (READY)	Hybrid control system	<a href="#">INFO</a>
	Immobiliser function	
	Wire harness or connector	
	Transmission floor shift assembly	
	Stop light switch assembly	
	Certification ECU (Smart key ECU assembly)	
Only +BA power source mode does not operate correctly	Smart key system (for Entry Function)	<a href="#">INFO</a>
	Wireless door lock control system	<a href="#">INFO</a>
	Power door lock system	<a href="#">INFO</a>
	Power distribution box assembly	<a href="#">INFO</a>
New key cannot be registered	LIN communication system	<a href="#">INFO</a>
	Meter / gauge system	
	Reregistration	

SYMPTOM	SUSPECTED AREA	LINK
	Electrical key transmitter sub-assembly	
	ID code box (Immobiliser code ECU)	
	Certification ECU (Smart key ECU assembly)	
Additional key cannot be registered	Smart key system (for Start Function)	INFO
	Electrical key transmitter sub-assembly	
	ID code box (Immobiliser code ECU)	
	Certification ECU (Smart key ECU assembly)	
New key registration warning message is not displayed	Lighting system	INFO
	Meter / gauge system	
	Certification ECU (Smart key ECU assembly)	
Security indicator light does not blink	Wire harness or connector	INFO
	Security indicator light (map light assembly)	
	Main body ECU (Multiplex network body ECU)	
	Certification ECU (Smart key ECU assembly)	
Immobiliser system does not operate properly	Communication ID registration was defective	INFO
	Hybrid control system	
	Wire harness or connector	
	ID code box (Immobiliser code ECU)	
	Hybrid vehicle control ECU	

SYMPTOM	SUSPECTED AREA	LINK
System malfunction message is displayed on the multi-information display	Smart key system (for Entry Function)	
	Smart key system (for Start Function)	INFO
	Certification ECU (Smart key ECU assembly)	
	Electronically controlled brake system	

