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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: SMART KEY SYSTEM (for Entry Function): PROBLEM SYMPTOMS TABLE; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

## PROBLEM SYMPTOMS TABLE

**HINT:**

- If a problem occurs in certain locations or at certain times of day, check for the possibility of wave interference.
- When the electrical key transmitter sub-assembly is brought near an electrical key and tire pressure monitoring system receiver assembly (RF band), door outside handle assembly (LF band), indoor electrical key antenna (LF band) or any of the electrical key antennas (LF band), the possibility of wave interference decreases. By doing this, whether wave interference is causing the problem can be checked.
- 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.

**Smart key system (for Entry Function)**

SYMPTOM	SUSPECTED AREA	LINK
Key vehicle inside lock-in prevention function does not operate	Affected by wave interference	<a href="#">INFO</a>
	Harness or connector	
	No. 1 indoor electrical key antenna assembly (front floor)	
	No. 2 indoor electrical key antenna assembly (rear floor)	
	Certification ECU (Smart key ECU assembly)	
	Transmitter battery	
	Power distribution box assembly	
	Power switch	
Entry lock/unlock functions and wireless functions do not operate after new/additional key ID registration	Code registration	<a href="#">INFO</a>
	Main body ECU (Multiplex network body ECU)	

SYMPTOM	SUSPECTED AREA	LINK
	Certification ECU (Smart key ECU assembly)	
All door entry lock/unlock functions and wireless functions do not operate	Lighting system	INFO
	Power door lock system	
	Affected by wave interference	
	Code registration	
	Transmitter battery	
	Harness or connector	
	Electrical key transmitter sub-assembly	
	Electrical key and tire pressure monitoring system receiver assembly	
	Main body ECU (Multiplex network body ECU)	
	Certification ECU (Smart key ECU assembly)	
All door entry lock/unlock functions do not operate, but wireless functions operate	Affected by wave interference	INFO
	Electrical key transmitter sub-assembly	
	Certification ECU (Smart key ECU assembly)	
Driver side door entry unlock function does not operate	Power door lock system	INFO
	Harness or connector	
	Front door outside handle assembly (for driver door)	

SYMPTOM	SUSPECTED AREA	LINK
	Lighting system	
	Certification ECU (Smart key ECU assembly)	
Front passenger side door entry unlock function does not operate*1	Power door lock system	INFO
	Harness or connector	
	Front door outside handle assembly (for front passenger door)	
	Lighting system	
	Certification ECU (Smart key ECU assembly)	
Driver side door entry lock and unlock functions do not operate	Power door lock system	INFO
	Affected by wave interference	
	Harness or connector	
	Front door outside handle assembly (for driver door)	
	Certification ECU (Smart key ECU assembly)	
Front passenger side door entry lock and unlock functions do not operate*1	Power door lock system	INFO
	Affected by wave interference	
	Harness or connector	
	Front door outside handle assembly (for front passenger door)	
	Certification ECU (Smart key ECU assembly)	

SYMPTOM	SUSPECTED AREA	LINK	
Driver side door entry lock function does not operate	Power door lock system		
	Harness or connector		
	Front door outside handle assembly (for driver door)		INFO
	Certification ECU (Smart key ECU assembly)		
Front passenger side door entry lock function does not operate*1	Power door lock system		
	Harness or connector		
	Front door outside handle assembly (for front passenger door)		INFO
	Certification ECU (Smart key ECU assembly)		
Entry interior alarm does not sound	Meter/gauge System	INFO	
Back door entry unlock function does not operate*1	Power door lock system		
	Harness or connector		
	Back door opener switch assembly		INFO
	Certification ECU (Smart key ECU assembly)		
Back door entry lock and unlock function does not operate*1	Power door lock system	INFO	
	Affected by wave interference		
	Harness or connector		
	Back door opener switch assembly		

SYMPTOM	SUSPECTED AREA	LINK
	Electrical key antenna (outside luggage compartment)	
	Certification ECU (Smart key ECU assembly)	
Back door entry lock function does not operate*1	Power door lock system	INFO
	Harness or connector	
	Back door opener switch assembly	
	Certification ECU (Smart key ECU assembly)	
Touching unlock sensor for certain period of time does not unlock all doors	Check customize setting (Door Unlock Sensor Touch Time Adjust)	INFO
	Power door lock system	
	Certification ECU (Smart key ECU assembly)	
Entry lock function does not operate using close & lock function*2	Power back door system	INFO
Entry exterior alarm and answer-back buzzer do not sound	Check customize setting (Wireless Buzzer Response Function)	INFO
	Wireless door lock control system	
	Power door lock system	
	Acoustic vehicle alerting system	
	Certification ECU (Smart key ECU assembly)	

\*1: w/ Front Passenger Door Entry Function

\*2: w/ Power Back Door System

