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Title: THEFT DETERRENT / KEYLESS ENTRY: SMART KEY SYSTEM (for Entry Function): CUSTOMIZE PARAMETERS; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

CUSTOMIZE PARAMETERS

CUSTOMIZE WIRELESS DOOR LOCK CONTROL SYSTEM

Click here INFO

CUSTOMIZE SMART KEY SYSTEM (for Entry Function)

HINT:

The following items can be customized.

NOTICE:

- When the customer requests a change in a function, first make sure that the function can be customized.
- Record the current settings before customizing.

(a) Customizing with the GTS

(1) Connect the GTS to the DLC3.

(2) Turn the ignition switch to ON.

(3) Turn the GTS on.

(4) Enter the following menus: Customize Setting / Smart Key /Access.

(5) Select the setting by referring to the table below.

Smart Key / Access

TESTER DISPLAY	DESCRIPTION	DEFAULT	SETTING	ECU
Auto Entry Cancel 2 Setting	Function that only prevents locking of the doors.	OFF	$00:OFF,$04:ON	Certification ECU (Smart key ECU assembly)
Ignition Available Area Setting (Back Door Type)	Function that sets the area that the electrical key transmitter sub-assembly must be in before the power switch can be operated.	Fr+Rr+BD	$00:Fr+Rr,$01:Fr+Rr+BD	Certification ECU (Smart key ECU assembly)
Park Wait Time Adjust	Function that sets the period of time (lock confirmation time) that the door is prevented from being unlocked by operating the door outside handle after an entry lock operation is performed.	2.5s	$00:0.5sec,$01:1.5sec,$02:2.5sec,$03:5sec	Certification ECU (Smart key ECU assembly)
Door Unlock Sensor Touch Time Adjust	Function that sets the length of time the unlock sensor on the door outside handle assembly (for driver door) must be touched to unlock all of the doors.	Middle	$00:OFF,$01:Short,$02:Middle,$03:Long	Certification ECU (Smart key ECU assembly)
Key Low Battery Warning Function	Enables or disables the sounding of the buzzer when the transmitter battery is low and the ignition switch is turned off after being ON for 20 minutes or more.	ON	$00:OFF,$01:ON	Certification ECU (Smart key ECU assembly)

TESTER DISPLAY	DESCRIPTION	DEFAULT	SETTING	ECU
Key Left in Vehicle Alarm Function	Enables or disables the sounding of the buzzer when entry lock is performed with the electrical key transmitter sub-assembly inside the vehicle.	ON	$00:OFF,$01:ON	Certification ECU (Smart key ECU assembly)
Forget to Turn IG OFF Alarm Function	Enables or disables lock sensor warning function when shift position is in P with ignition switch ON (If this value is "ON", a warning will activate when the lock sensor is touched).	ON	$00:OFF,$01:ON	Certification ECU (Smart key ECU assembly)
Start Indicator Function	Function that turns the entry warning light on the combination meter assembly on or off.	ON	$00:OFF,$01:ON	Certification ECU (Smart key ECU assembly)
Touch Activation Over Threshold	Function that limits the number of times the entry lock function can be operated consecutively. When set to "Not Active" entry lock function can be operated an unlimited number of times consecutively.	Active	$00:Active,$01:Not Active	Certification ECU (Smart key ECU assembly)
Start Switch Light Function	Function that sets whether the power switch light blinks.	ON	$00:OFF,$01:ON	Certification ECU (Smart key ECU assembly)
Power Saving Wait Time (Out of Entry Range)	**Type B:** Function that sets the length of time before the detection area enters power saving mode when the electrical key transmitter sub-assembly is detected within 3.5 m (11.48 ft.) of the door handle.	Normal	$00:Normal,$01:Short	Certification ECU (Smart key ECU assembly)
Entry Unlock Twice Function	Function that unlocks only the driver door when operated once, and unlocks all the other doors when operated twice.	Enable	$00:Disable,$01:Enable	Main body ECU (Multiplex network body ECU)

CUSTOMIZING WITH THE MULTI-DISPLAY

(a) Customizing with the multi-display

    (1) Turn the ignition switch ON.

    (2) Enter the following menus: [Settings] → [Vehicle customize] → [Door control]

DISPLAY	DESCRIPTION	DEFAULT	SETTING	RELEVANT ECU
Feedback lights	Function that flashes the hazard warning lights once when the doors are locked by entry operation and twice when the doors are unlocked by entry operation.	ON	ON or OFF	Main body ECU (Multiplex network body ECU)
Feedback tone	Function that adjusts the wireless buzzer volume	5	Off, 1, 2, 3, 4, 5, 6 or 7	Main body ECU (Multiplex network

DISPLAY	DESCRIPTION	DEFAULT	SETTING	RELEVANT ECU
				body ECU)
Unlock	Function that sets which doors are unlocked by the entry unlock function.	Driver door only	All doors or Driver door only	Main body ECU (Multiplex network body ECU)

(3) Enter the following menus: [Settings] → [Vehicle customize] → [Utility]

NOTICE:

Before performing an inspection, Customize Setting item ACC customize is set to ON.

DISPLAY	DESCRIPTION	FACTORY DEFAULT SETTINGS	SETTING	RELEVANT ECU
ACC customize	Function that shift to ACC power source mode	ON*	ON or OFF	Certification ECU (Smart key ECU assembly)

HINT:

*: The setting is modified during the pre-delivery operations. For details, refer to PDS (Pre-Delivery Service) INFORMATION.

ENTRY UNLOCK MODE CHANGE FUNCTION

(a) Entry unlock mode change function (manual operation)

(1) The following entry unlock modes can be selected when using the entry unlock mode change function.

- All door unlock mode: When the unlock sensor of a door outside handle is touched, all of the doors are unlocked simultaneously.
- Driver door unlock mode: When the unlock sensor of the front door outside handle assembly (for driver door) is touched, only the driver door is unlocked. If any other door door outside handle assembly is touched, all of the doors are unlocked simultaneously.*1
- Driver door unlock mode: When the unlock sensor of the front door outside handle assembly (for driver door) is touched, only the driver door is unlocked.*2
    - *1: w/ Front Passenger Door Entry Function
    - *2: w/o Front Passenger Door Entry Function

(2) When customizing through manual operation:

1. Turn the ignition switch off.
2. Check that the LED of the electrical key transmitter sub-assembly is not illuminated, and then press and hold the lock and unlock switches of the electrical key transmitter sub-assembly for 5 seconds or more while the electrical key transmitter sub-assembly is in the exterior detection area.
3. Check the current setting.

   HINT:

   - The mode changes from all door unlock mode to driver door unlock mode and then back to all door unlock mode.
   - The answer-back (wireless buzzer) operation for each mode is indicated in the table below.

Currently Selected Mode	Answer-back (Wireless Buzzer)
All door unlock mode	Buzzer sounds twice (short beeps)
Driver door unlock mode	Buzzer sounds 3 times (short beeps)

4. Release the lock and unlock switches of the electrical key transmitter sub-assembly.
5. Check that the LED of the electrical key transmitter sub-assembly is not illuminated, and then press and hold the lock and unlock switches of the electrical key transmitter sub-assembly for 5 seconds or more to change the mode.

   HINT:

   Repeat the procedure as necessary to select the desired mode.

6. Unlock the doors using the wireless function, and then open any door.

	Wireless Door Lock Buzzer	Combination Meter Assembly
		Multi-information Display
Driver Door	ON / OFF — Sounds 3 times	Driver door "OPEN" indication
All doors	ON / OFF — Sounds 2 times	All doors "OPEN" indication

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ENTRY CANCEL FUNCTION

(a) Entry cancel function (manual operation)

HINT:

While the smart key system is canceled, it is possible to lock and unlock the doors with the wireless function, and the hybrid control system can be started by holding the electrical key transmitter sub-assembly near the power switch.

(1) The following functions are disabled when the smart key system is canceled.

1. Entry unlock/lock functions
2. Push-button start function
3. Key lock-in prevention function
4. Entry warning functions

(2) When canceling the smart key system through manual operation:

1. Make sure the following conditions are met:

   - The ignition switch is off.
   - The driver door is closed.
   - The driver door is unlocked.

(3) Press the unlock switch of the electrical key transmitter sub-assembly.

(4) Open the driver door within 5 seconds of completing the step above (driver door: closed → opened).

(5) With the driver door open, press the unlock switch of the electrical key transmitter sub-assembly 2 times within 5 seconds of completing the step above.

NOTICE:

If the driver door is closed before or while pressing the unlock switch, the entry cancel setting mode will end.

(6) Perform the following procedure within 30 seconds of completing the step above.

1. Close and open the driver door twice (driver door: open → closed → opened → closed → opened).
2. With the driver door open, press the unlock switch of the electrical key transmitter sub-assembly 2 times.

NOTICE:

If the driver door is closed before or while pressing the unlock switch, the entry cancel setting mode will end.

  3. Close and open the driver door (driver door: open → closed → opened).

(7) Close the driver door within 5 seconds (driver door: open → closed).

(8) Check that the wireless buzzer sounds twice (short beeps) to confirm that the smart key system has been canceled.

(9) Perform the following procedure to restore the smart key system to the active state from the canceled state.

  1. Perform the procedure to cancel the smart key system again.
  2. Check that the wireless buzzer sounds once (short beep) to confirm that the smart key system has been restored to the active state.

HINT:

- The system changes between the canceled state and the active state each time the procedure to cancel the system through manual operation is performed.
- The buzzer sounds twice when the system changes from the active state to the canceled state, and sounds once when the system changes from the canceled state to the active state.