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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: THEFT DETERRENT / KEYLESS ENTRY: SMART KEY SYSTEM (for Start Function): OPERATION CHECK; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

OPERATION CHECK

CHECK CUSTOMIZE PARAMETERS

(a) The operation check below is based on the non-customized initial condition of the vehicle. (However, make sure that "ACC Customize" is set to "ON" using the multi-display.)

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CHECK PUSH-BUTTON START FUNCTION

(a) Check the push-button start function:

- (1) Get into the vehicle while carrying the electrical key transmitter sub-assembly with the ignition switch off. With the shift position in P, check that the key indicator display is displayed when the brake pedal is depressed. Check that the hybrid control system starts when the power switch is pressed after the key indicator display is displayed on the multi-information display.
- (2) While carrying the electrical key transmitter sub-assembly, check that the power source mode changes in the following order when the power switch is pressed with the brake pedal released: off → ACC* → ON → off.

*: When "ACC Customize" is set to "ON" using the multi-display

HINT:

If the power switch is pressed with the ignition switch ON and the shift position not in P, the power source mode will change to off, and shift position will change to P.

- (3) Check the push-button start function operation range for the front side. Place the electrical key transmitter sub-assembly at either inspection point so that it is facing the direction shown in the illustration, and then check that the hybrid control system can be started.

NOTICE:

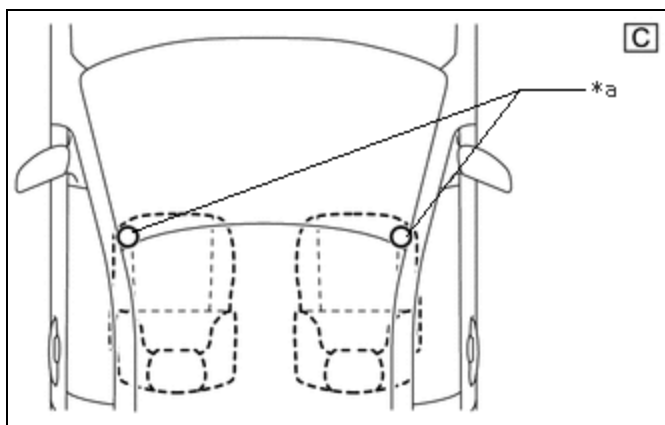
Even if the electrical key transmitter sub-assembly is in a vehicle interior detection area, it may not be properly detected if it is on the instrument panel, in the glove box or on the floor.

HINT:

- Communication may not be possible if the electrical key transmitter sub-assembly is within 0.2 m (0.656 ft.) of the No. 1 indoor electrical key antenna assembly (front floor).

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- Perform this inspection for both inspection points.



*a	Electrical Key Transmitter Sub-assembly Inspection Point
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The illustrations shown are examples only.

- (4) Check the push-button start function operation range for the luggage compartment. Place the electrical key transmitter sub-assembly at either inspection point so that it is facing the direction shown in the illustration, and then check that the hybrid control system can be started.

NOTICE:

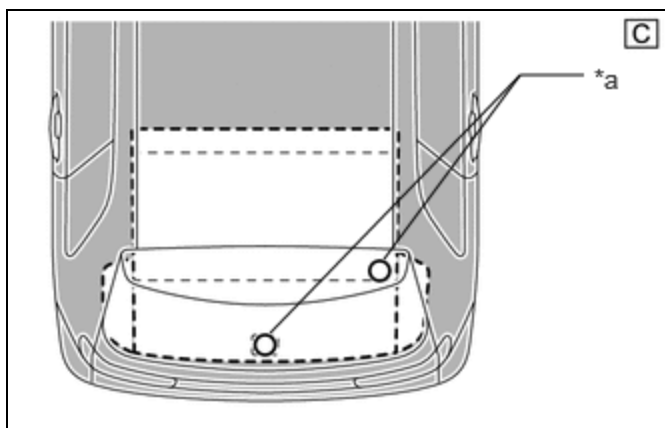
Even if the electrical key transmitter sub-assembly is in a vehicle interior detection area, it may not be properly detected if it is on the instrument panel, in the glove box or on the floor.

HINT:

- Communication may not be possible if the electrical key transmitter sub-assembly is within 0.2 m (0.656 ft.) of the center of the No. 2 indoor electrical key antenna assembly (rear floor).

[Click here](#) INFO

- Perform this inspection for both inspection points.



*a	Electrical Key Transmitter Sub-assembly Inspection Point
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The illustrations shown are examples only.

CHECK POWER SOURCE MODE CHANGING FUNCTION

NOTICE:

- When "ACC customize" is set to "OFF" using the multi-display, ACC supply power can be disabled.

[Click here](#) INFO

- When "ACC Customize" is set to "OFF" using the multi-display, make sure to return the setting to its original state after completing the inspection.

(a) Check the power switch. (ACC customize "ON")

(1) Check that the power source mode changes according to the chart below.

SHIFT POSITION	BRAKE PEDAL	POWER SOURCE MODE WHEN POWER SWITCH PRESSED
P	Released	Off → ACC → ON → off
P	Released	ON (READY) → off
P	Depressed	Off → ON (READY)
P	Depressed	ACC → ON (READY)
P	Depressed	ON → ON (READY)
P	Depressed	ON (READY) → off
Not P	Released	ON → off
Not P	Released	ON (READY) → off
Not P	Depressed	ON → off
Not P	Depressed	ON (READY) → off

(b) Check the power switch. (ACC customize "OFF")

(1) Check that the power source mode changes according to the chart below.

SHIFT POSITION	BRAKE PEDAL	POWER SOURCE MODE WHEN POWER SWITCH PRESSED
P	Released	Off → ON → off
P	Released	ON (READY) → off
P	Depressed	Off → ON (READY)
P	Depressed	ON → ON (READY)
P	Depressed	ON (READY) → off
Not P	Released	ON → off
Not P	Released	ON (READY) → off
Not P	Depressed	ON → off
Not P	Depressed	ON (READY) → off

CHECK +BA POWER SOURCE MODE CHANGING FUNCTION

(a) Check the +BA power source:

- (1) With all of the doors closed, lock the doors using the entry lock function or wireless function.
- (2) After 3 minutes or more have elapsed, unlock the doors using the entry lock function or wireless function.
- (3) Open the driver door, enter the vehicle and close the driver door.
- (4) Check that the multi-information display in the combination meter assembly starts up.
- (5) Operate the multimedia switch and check that the multi display starts.

CHECK TRANSMITTER BATTERY SAVING MODE FUNCTION

(a) Check the transmitter battery saving mode function:

- (1) Press the unlock switch of the electrical key transmitter sub-assembly twice while pressing the lock switch and check that the electrical key transmitter sub-assembly LED blinks 4 times and enters transmitter

battery saving mode.


(2) Check that the smart key system does not operate while in transmitter battery saving mode.

HINT:

To cancel transmitter battery saving mode, press a switch of the electrical key transmitter sub-assembly.

CHECK ENTRY CANCEL FUNCTION

(a) Disable the smart key system and check that all functions of the smart key system no longer operate.

Click here 

HINT:

When the smart key system is disabled, 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.

CHECK KEY DIAGNOSTIC MODE

Click here 

