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1998 LEXUS GS OEM Service and Repair Workshop Manual

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B ▶ **GO TO OTHER PROBLEM**

A



4. CHECK ANOTHER DIGITAL KEY

(a) Check if there is digital key available that is already registered to the vehicle.

RESULT	PROCEED TO
Another registered digital key is not available	A
Another registered digital key is available	B

B ▶ **GO TO STEP 7**

A



5. CHECK USING ANOTHER VEHICLE

(a) Check if another vehicle equipped with digital key system is available.

RESULT	PROCEED TO
Vehicle equipped with digital key system not available	A
Vehicle equipped with digital key system available	B

B ▶ **GO TO STEP 9**

A



6. REGISTER NEW SHARE KEY

(a) Register a share key.

HINT:

Refer to the digital key application.

NEXT



7. CHECK ENTRY FUNCTION (BACK DOOR)

(a) a. Hold a different registered digital key in your hand hold your hand close to the digital key detection range. Then perform door lock/unlock using the entry function.*

[Click here](#) 

(b) Repeat * while moving your hand closer to and farther from the vehicle, and check the range where the entry function operates.

OK:

The entry function operates within the same range as usual.

OK  **GO TO STEP 8**

NG  **END (PERFORM TROUBLESHOOTING ON ORIGINAL DIGITAL KEY)**

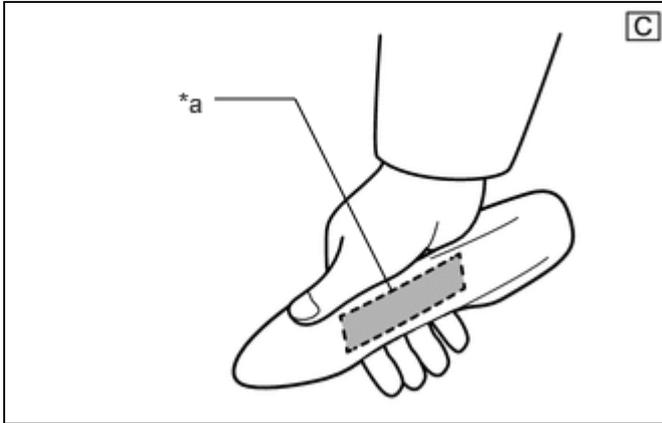
Sample

2. CHECK ENTRY FUNCTION (DRIVER DOOR, REAR DOOR LH)

(a) Check whether it is possible to use the digital key to perform door lock/unlock with the entry function.

(1) Check the entry unlock function.

1. Turn the ignition switch off.
2. Open and close the driver door.
3. From outside the vehicle, press the lock switch displayed on the digital key and lock all doors.
4. Hold the key in your hand and hold your hand inside the digital key diagnostic range. Then grip the sensor on the reverse side of the door outside handle for 2 seconds or longer.*



*a Unlock Sensor (Backside)

The illustrations shown are examples only.

*: Perform this step 3 seconds or more after performing step (3).

NOTICE:

- For details on the digital key diagnostic range, refer to Precautions for Outside Vehicle Digital Key Detection Range/Diagnostic Range.

[Click here](#)

INFO

- Refer to Precautions for Inspection or Registration regarding the digital key and surrounding environment.

[Click here](#)

INFO

HINT:

- When checking the operation of the unlock sensor again, make sure to perform the procedure from step (1).
- Inspect the rear door using the same procedure (w/ Rear Door Entry Function).

(2) Check the entry lock function.

1. Turn the ignition switch off.
2. Open and close the driver door.
3. Hold the key in your hand and hold your hand inside the digital key diagnostic range. Then touch the lock sensor on the surface of the door outside handle (indentation on the door outside handle) with multiple fingers for 2 seconds or longer.

NOTICE:

- For details on the digital key diagnostic range, refer to Precautions for Outside Vehicle Digital Key Detection Range/Diagnostic Range.

[Click here](#)

INFO

- Refer to Precautions for Inspection or Registration regarding the digital key and surrounding environment.

[Click here](#)

INFO

HINT:

Click here [INFO](#)

(b) Use the digital key and check whether driver door and rear door LH (w/ Rear Door Entry Function) lock/unlock is possible with the entry function.

Click here [INFO](#)

OK ▶ **END (FRONT DOOR OUTSIDE HANDLE ASSEMBLY LH WAS DEFECTIVE)**

NG ▶ **REPLACE DIGITAL KEY ECU ASSEMBLY**

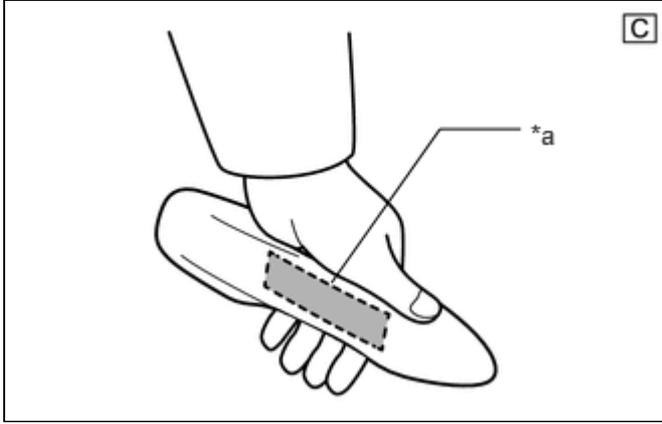
Sample

2. CHECK ENTRY FUNCTION (FRONT PASSENGER DOOR, REAR DOOR RH)

(a) Check whether it is possible to use the digital key to perform door lock/unlock with the entry function.

(1) Check the entry unlock function.

1. Turn the ignition switch off.
2. Open and close the front passenger door.
3. From outside the vehicle, press the lock switch displayed on the digital key and lock all doors.
4. Hold the key in your hand and hold your hand inside the digital key diagnostic range. Then grip the sensor on the reverse side of the door outside handle for 2 seconds or longer.*



*a Unlock Sensor (Backside)

The illustrations shown are examples only.

*: Perform this step 3 seconds or more after performing step (3).

NOTICE:

- For details on the digital key diagnostic range, refer to Precautions for Outside Vehicle Digital Key Detection Range/Diagnostic Range.

[Click here](#)

INFO

- Refer to Precautions for Inspection or Registration regarding the digital key and surrounding environment.

[Click here](#)

INFO

HINT:

- When checking the operation of the unlock sensor again, make sure to perform the procedure from step (1).
- Inspect the rear door using the same procedure (w/ Rear Door Entry Function).

(2) Check the entry lock function.

1. Turn the ignition switch off.
2. Open and close the front passenger door.
3. Hold the key in your hand and hold your hand inside the digital key diagnostic range. Then touch the lock sensor on the surface of the door outside handle (indentation on the door outside handle) with multiple fingers for 2 seconds or longer.

NOTICE:

- For details on the digital key diagnostic range, refer to Precautions for Outside Vehicle Digital Key Detection Range/Diagnostic Range.

[Click here](#)

INFO

- Refer to Precautions for Inspection or Registration regarding the digital key and surrounding environment.

[Click here](#)

INFO

HINT:

Click here 

(b) Use the digital key and check whether front passenger door and rear door RH (w/ Rear Door Entry Function) lock/unlock is possible with the entry function.

Click here 

OK ► **END (FRONT DOOR OUTSIDE HANDLE ASSEMBLY RH WAS DEFECTIVE)**

NG ► **REPLACE DIGITAL KEY ECU ASSEMBLY**

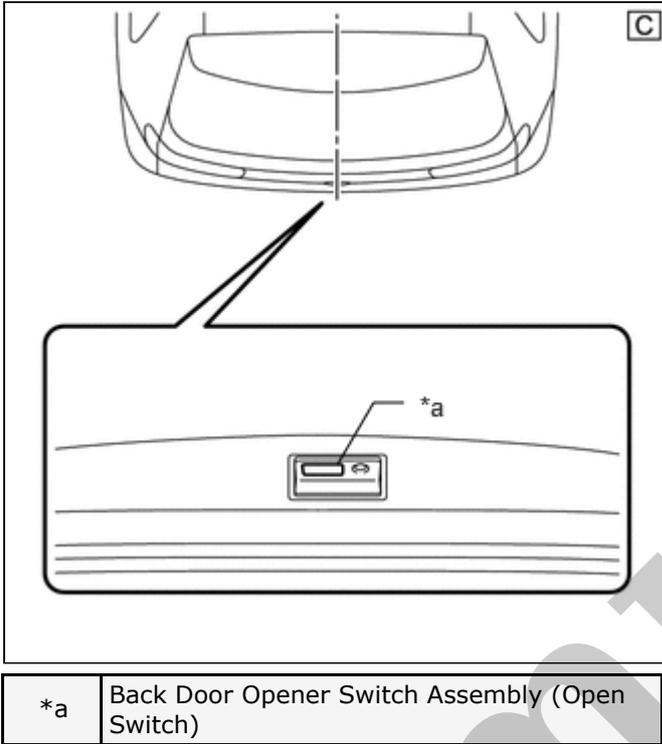
Sample

2. CHECK ENTRY FUNCTION (BACK DOOR)

(a) Check whether it is possible to use the digital key to perform door lock/unlock with the entry function.

(1) Check the entry back door open function.

1. With the back door closed and locked, hold the digital key in your hand and hold your hand inside the digital key diagnostic range. Then operate the open switch.



The illustrations shown are examples only.

NOTICE:

- With the back door closed and locked, hold the digital key in your hand and hold your hand inside the digital key diagnostic range. Then operate the open switch.

[Click here](#) INFO

- Refer to Precautions for Inspection or Registration regarding the digital key and surrounding environment.

[Click here](#) INFO

(2) Check the entry back door lock function.

1. With the back door closed and unlocked, hold the digital key in your hand and hold your hand inside the digital key diagnostic range. Then operate the lock switch.

NOTICE:

- For details on the digital key diagnostic range, refer to Precautions for Outside Vehicle Digital Key Detection Range/Diagnostic Range.

[Click here](#) INFO

- Refer to Precautions for Inspection or Registration regarding the digital key and surrounding environment.

[Click here](#) INFO

Click here 

(b) Use the digital key and check whether back door lock/unlock is possible with the entry function.

Click here 

OK ▶ **END (NO. 2 BLE DOOR DIGITAL KEY RECEIVER ASSEMBLY WAS DEFECTIVE)**

NG ▶ **REPLACE DIGITAL KEY ECU ASSEMBLY**

Sample

[Click here](#) **INFO**

- Before replacing the certification ECU (smart key ECU assembly) or digital key ECU assembly, refer to Registration.

[Click here](#) **INFO**

PROCEDURE

1. CHECK CUSTOMIZE SETTING USING GTS

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

Smart Key / Access

TESTER DISPLAY	DESCRIPTION	DEFAULT	SETTING	ECU
Auto Entry Cancel Setting	Function that enables or disables the smart access with push-button start	OFF	\$00:OFF,\$01:ON	Certification ECU (Smart key ECU assembly)
Auto Entry Cancel 2 Setting	Function that only prevents locking of the doors	OFF	\$00:OFF,\$04:ON	Certification ECU (Smart key ECU assembly)

RESULT	PROCEED TO
Smart access system with push-buttons start has not been canceled	A
Smart access system with push-buttons start has been canceled	B

B ▶ PERFORM CUSTOMIZE FUNCTION

A



2. CHECK SMART ACCESS SYSTEM WITH PUSH-BUTTON START (for Entry Function)

(a) Check the smart access system with push-buttons start (for Entry Function).

Click here **INFO**

OK:

Smart access system with push-buttons start (for Entry Function) operates properly.

NG ▶ GO TO SMART ACCESS SYSTEM WITH PUSH-BUTTON START (for Entry Function) (HOW TO PROCEED WITH TROUBLESHOOTING)

OK



3. CHECK BLE CONNECTION

(a) While near the vehicle, check if the BLE connection is established using the digital key screen.

HINT:

The distance at which a BLE connection can be established may differ depending on the digital key device.