



**RES+**  
KEY FOB OPERATION

Introduction

# INTRODUCTION

The REMOTE ENGINE STARTER allows you to start your engine from outside the vehicle. It utilizes your vehicle's keyless entry remote, so there is no need to carry around an extra remote. The REMOTE ENGINE STARTER is operated the same way for vehicles equipped with or without the Smart Entry / Push Start system; simply push the remote's LOCK button in a quick, two step sequence. In addition, the REMOTE ENGINE STARTER can activate the heater or air conditioner according to your preset temperature controls, providing you with a comfortable cabin upon entry. As an added convenience, the REMOTE ENGINE STARTER can also activate the defroster (when preset) to clear up the windshield during cold weather.

To ensure your safety, and the safety of anyone near the vehicle, the REMOTE ENGINE STARTER is designed to shut the engine off when it detects any attempt to enter or move the vehicle after a remote engine start. Please consult your Lexus dealer for more details.

**NOTE:** To utilize the REMOTE ENGINE STARTER, your vehicle must have an automatic transmission; it cannot be used for manual transmission models. The transmission range for remote start may be shorter than the remote's basic keyless entry operation. Range can also be affected by the surrounding environment. Laws in some communities require that the vehicle be within view of anyone using the REMOTE ENGINE STARTER. In some states, use of the REMOTE ENGINE STARTER may violate state or local laws. Before using the REMOTE ENGINE STARTER, check your state and local laws.

For any questions or concerns about the REMOTE ENGINE STARTER, please call Lexus Customer Relations at (800)255-3987.



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Usage Precautions

# USAGE PRECAUTIONS



## **Warning**

NOT following the instructions below could result in serious injury, death, and/or damage to the vehicle.

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- NEVER remotely start the engine if you are unaware of the circumstances surrounding the vehicle as it may cause a life threatening situation for those located in the vehicle's vicinity.
- DO NOT remotely start the engine if the vehicle is in an enclosed area (such as an unventilated garage/parking lot) where too much exhaust may accumulate and create a hazardous environment with the potential for Carbon monoxide (CO) poisoning.
- DO NOT remotely start the engine if children or pets are present in or near the vehicle. It can lead to serious injury, or death.
- NEVER use product, or product packaging for purposes other than originally intended. Doing so could result in damage to the unit, fire, or injury/death.
- DO NOT remotely start the engine when it is near flammable substances and/or has a car cover on. The exhaust pipe and emissions can create a hazardous environment which can lead to serious injury or death.



## **Caution**

NOT following the instructions below could result in damage to the vehicle, or the product.

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- If the Check Engine Light has come on, DO NOT operate the Remote Engine Starter to start the engine until the vehicle has been checked by an authorized dealer technician.
- NEVER attempt to disassemble, alter, or modify the product. An accident, injury, fire, or damage to the product may result.
- ALWAYS shut off mechanical components such as the windshield wipers after parking. If left on, they may be damaged after remotely starting your vehicle.

# USAGE PRECAUTIONS

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## General Information

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- The Remote Engine Starter should only be used by licensed drivers.
- Laws in some communities may require that the vehicle be within view of anyone using the Remote Engine Starter. In some states, use of Remote Engine Starters may violate state or local laws. Before using the Remote Engine Starter, check your state and local laws.
- Remote Engine Starter is for vehicles with automatic transmissions only. Do not use it with manual transmission vehicles.
- Remote Engine Starter should be installed or repaired by an authorized dealer technician.
- The Remote Engine Starter is designed to work at temperatures above -22° F (-30° C). This specification is related to the Remote Engine Starter operation, but is dependant on the vehicle's operating temperature range which may be different.
- Contents subject to change without notice.
- All features may not be applicable to all vehicle models.



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KEY FOB OPERATION

Operating Conditions

# OPERATION

## ◀◀◀ OPERATING CONDITIONS

The engine will NOT remotely start if one of the following conditions is detected.

Door(s) are open.	Brake pedal is being pressed.
Hood is open.	Vehicle's transmission is not in park (P).
Ignition is ON.	

The remotely started engine will shut off if one of the following inputs is detected.

Door(s) is opened.	Brake pedal is pressed.
Hood is opened.	Vehicle's transmission is shifted out of park (P).
Ignition is turned ON.	The alarm is triggered.*
Door is unlocked by Smart key, manual key, or remote FOB.	If the vehicle's engine has been running for 10 minutes after being remotely started.**

\* The engine will continue to run if the panic alarm is activated.

\*\* The vehicle can be restarted remotely for a total of 20 minutes. After 20 minutes of total run-time the Vehicle must be manually restarted to reset the run-time.



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KEY FOB OPERATION

Engine Start & Stop

# OPERATION

## ◀◀ REMOTE ENGINE START

To start a vehicle remotely, press and release the LOCK button twice within two seconds, then press and hold the LOCK button for three seconds.

**STEP 1.** Press and release the LOCK button on the remote twice within two seconds. The hazard lights will flash each time.

TWO SECONDS

A) Press and release the LOCK button.

B) The hazard lights flash once.

C) Press and release the LOCK button again.

D) The hazard lights flash again.



### FOLLOWED IMMEDIATELY BY:

**STEP 2.** Press and hold the LOCK button on the remote for three seconds. The hazard lights flash once when pressed, then again after three seconds. The engine starts, and the hazard lights flash for 20 seconds.

THREE SECONDS

A) Press and hold the LOCK button for three seconds.

B) The hazard lights flash once.

C) After three seconds, the hazard lights flash again.

20 SECONDS

D) The engine starts and the hazard lights flash for 20 seconds.



# OPERATION

## ◀◀ REMOTE ENGINE STOP

There are two methods by which to shut off the vehicle engine remotely: Either press the UNLOCK button once OR press and hold the LOCK button for two or more seconds.

**METHOD 1:** Press the UNLOCK button on the remote. The engine stops and the hazard lights flash twice.



A) Press the UNLOCK button.

B) The engine stops.

C) The hazard lights flash twice.

Using Method 1, your vehicle will remain unlocked for 30 seconds. Then it automatically relocks if no doors are opened. If your vehicle will not be in plain view for that time, or you have other security concerns, you may wish to use Method 2 (below), which does not unlock the vehicle.

**METHOD 2:** Press and hold the LOCK button on the remote for two or more seconds. The engine stops and the hazard lights flash once.



A) Press and hold the LOCK button for two seconds or more.

B) The engine stops.

C) The hazard lights flash once.

**NOTE:** Vehicles started with the Remote Engine Starter can idle for a total of 20 minutes, however automatic engine shutdown occurs after 10 minutes of run-time. You can always restart the Vehicle after this initial shutdown. Once the total run-time exceeds 20 minutes the vehicle must be manually started in order to reset the Remote Engine Starter.

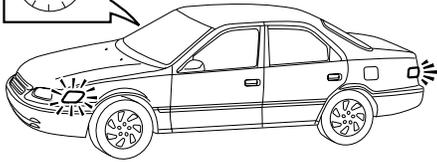
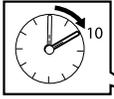
**NOTE:** All doors will remain locked after the engine is shut off.

**NOTE:** For vehicles equipped with Piezo, the buzzer will chirp the same number of times that the light flashes.

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# OPERATION

## ◀◀ AUTOMATIC ENGINE SHUTDOWN



The engine will stop automatically after 10 minutes.



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Remote Engine Starter Information

# REMOTE ENGINE STARTER INFORMATION

## HEATER / AIR CONDITIONER / DEFROSTER / DEFOGGER SETTINGS

For your comfort and convenience, the vehicle's air conditioning system controls can be preset to operate the heater, air conditioner, and defroster/defogger at engine startup. The two tables below contain the settings recommended for best results. Users should preset these before exiting the vehicle. (Please see your vehicle's owner's manual for available settings.)

### VEHICLES WITH AUTOMATIC AIR CONDITIONER

	Auto Button	A/C Button	Temperature Selector	Windshield Airflow Button	Fan Speed Selector
<b>Heat</b>	ON	OFF	User Settings	OFF	OFF
<b>Cool</b>	ON	ON	User Settings	OFF	OFF
<b>Defrost</b>	OFF	ON	Max Setting	ON	HIGH
<b>Defog</b>	OFF	ON	Max Setting	ON	HIGH

**NOTE:** The Remote Engine Starter may not activate the rear window defroster/defogger.

### VEHICLES WITH MANUAL AIR CONDITIONER

	A/C Button	Temperature Selector	Airflow Selector	Fan Speed Selector
<b>Heat</b>	OFF	WARM	PANEL	HIGH
<b>Cool</b>	ON	COLD	PANEL	HIGH
<b>Defrost</b>	ON	WARM	WINDSHIELD	HIGH
<b>Defog</b>	ON	WARM	WINDSHIELD	HIGH

**NOTE:** The Remote Engine Starter may not activate the rear window defroster/defogger.

# REMOTE ENGINE STARTER INFORMATION

## VEHICLES WITH HEATED AND VENTILATED SEATS

For vehicles equipped with Heated and Ventilated front seats these features can also be turned on so that when the vehicle is remotely started these features will provide you with additional comfort upon entering the vehicle.

## REMOTE ENGINE STARTER RANGE

The Remote Engine Starter can be effectively operated up to 80 feet in an open space. The physical makeup of the surrounding environment (hills, trees, buildings, etc.) may affect the Remote Engine Starter's maximum range.