



Engine LC680PKE One Push Start Instructions

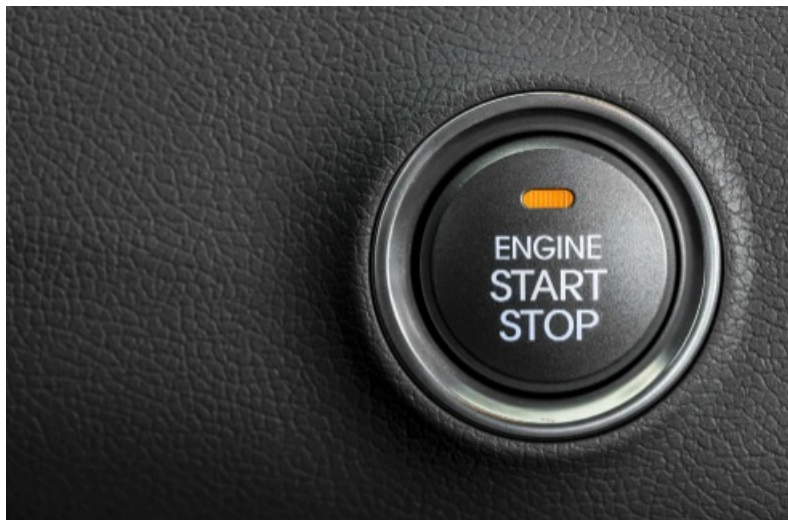
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ENGINE

Engine LC680PKE One Push Start






Remote Buttons description: Because different remotes are with different button icons, please refer to the real remotes.

PKE Remote button icons



			
Arm (Lock)	Disarm (Unlock)	Select	Search

Button function



Arm (Lock)


1. Press the button “” once, then the siren will sound once, the central control lock door will be locked, the push start button function will be disabled, and the car can not start.
2. Press and hold the “” for three seconds; the car engine will begin to warm up for 15 minutes and the siren will sound once. After the engine start for 5 seconds, the central door will be locked, the siren would sound once.
3. After the remote start the engine successfully, press and hold the “” for 3 seconds, and the engine will turn off, and the siren will sound once, . after 5 seconds, the central control door lock will be locked again and the siren will sound once.

Disarm (Unlock)

1. Press the “” button once, and the siren will sound twice, the central door lock will be unlocked, the one push start function is on, and the press push button can start the car engine.
2. Pressing the “” button for 3 seconds, the siren will sound 3 times, and the trunk will be released.

Select

1. Press “” button once, and the siren will sound once, and the siren sounds function is on, repeat this operation to turn off the siren sounds function. This selection is only valid on Lock and unlock doors functions.
2. Pressing “” button for 3 seconds, the siren will sound once, the PKE function will be temporarily turned off, and one push start engine function turn off, press the “ ” button once to turn on one push start engine function.
NOTE: This function is suitable for washing or repairing the vehicle
3. Search

Press “” button once, and the siren will sound 15 times, easy to locate the cars.

Functions Instruction

1. PKE inductive automatic door lock and unlock 1) Turn off the car engine, when the car owner leaves the car to about 2-3 meters with the remote controls, the siren will sound once, the central door lock system will be locked automatically.
2. When the car owners are close to the cars about 2-3 meters, the car siren will sound twice, the central door

lock system will be unlocked, and one push start engine function turn on.

NOTE: The central control door lock system is only for negative trigger connection, and other connection modes need additional relays.

3. Remote start engine:

On the brain unit, JP2 pin on SS-ON position, pressing the LOCK button for 3 seconds, the siren will sound once, after ACC outputs 0.5 seconds, ON1, ON2 (Air conditioner) start outputs, the ACC, ON2 (Air conditioner) quit after 0.5 seconds, and STR start ignition 0.8 seconds, if start engine successfully, one push start indicator will be on, the car engine will be turned on after 15 minutes.

4. If the car engine can not start, the ACC, ON2 (Air conditioner) quit after 0.5 seconds, STR starts ignition 12 seconds, if not start successfully, the system will continue the third start, the start time will be increased to be 17 seconds.

Note I: there is a start cycle (three times) for each operation startup. If the startup is not successful after three times, it is necessary to restart the operation.

5. Central door lock automation:

1. When driving, all doors are closed. Press the “unlock” or “lock” button to unlock or lock the system, but the car alarm system will not be triggered.
2. During driving, all doors are closed. After 5 seconds, press the foot brake, and the doors will be locked automatically,
3. After parking and turning off the key, the door lock will be unlocked automatically to facilitate passengers to get on and off.
4. Auto Lock :

The owner leaves the car with the remote control for about 2 to 3 meters (away from the PKE range), and press unlocks button to disarm the system. After 5 seconds, the siren will sound once, the central lock will be locked, and the one-push start button function will be off.

6. LED Indicator :

1. warning status: LED warning light, flash twice in one second.
2. Disarm status: LED warning light is not on
3. Alarm status: LED warning light flashes quickly
4. code learning status, the LED warning light is on for a long time.

7. Illegal trigger alarm

In arm status, When the foot brake is illegally triggered, the system will briefly stop and alarm for 30 seconds. If it is triggered all the time, the system will automatically stop detecting the foot brake switch after 6 cycles until the foot brake switch returns to normal.

8. Emergency disarm switch:

When the remote control is lost or the car alarm system cannot be disarmed for other reasons, the owner can forcibly open the door with the key, find the emergency disarm switch, press it continuously for 10 times within 12 seconds, and the siren will sound briefly twice to temporarily remove the arm status. Press the one button start button to start the car within 2 minutes. If the one button start button is not pressed to start the car engine after 2 minutes, the siren will sound briefly after 2 minutes, The system will lock again and return to the arm status.

9. PKE remote control weak battery reminder:



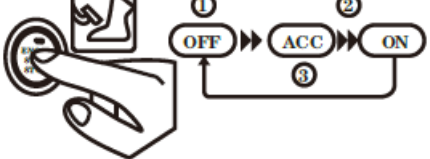

When the battery is in a normal state, the indicator light is blue when the remote controller works. When the battery voltage is lower than the rated value, the indicator light is red when the remote controller works.

10. Learning code:

In disarm status, long press the emergency disarm switch for more than 3 seconds, and the LED indicator light is on for 10 seconds. The system enters the code learning mode. At the same time, press the “ARM” + “DISARM” buttons of the remote control for more than 1 second, the LED indicator light flashes once, and the siren sound once, indicating that the remote control ID has been written into the brain unit memory. Press the second remote control, and the LED indicator light goes off, indicating that the second remote control code has been learned. A maximum total of two remote controls can be learned.

Note: when learning each remote control, the system will automatically increase the learning time by 10 seconds. After learning two remote controls or pressing the emergency to disarm switch again, you can exit the learning status.

One push start engine Instructions Please refer to the below steps

<p>1. Step on the foot brake and short press push button 1 second to start engine:</p>  <p>Operations: step on the foot brake and press the push button for one second. The button indicator will light up after engine start.</p>	<p>2. Step on the brake and short press for 1 second to cut off engine;</p>  <p>Operations: when the engine is turned on, step on the brake and then short press the push button for 1 second to turn off the engine. After the engine is turned off, the button indicator will be off.</p>
<p>3. To convert between ACC ON and panel ON without stepping on the brake.</p>  <p>Operations: No pressing brake, short press for 1 second to turn on the ACC audio, short press again for 1 second to turn on the dash-board, short press again to turn off the system, it can be cycled operation, at this time, the button indicator would flash.</p>	<p>4. Long pressing to start engine in special case:</p>  <p>Operations: Long pressing can protect the motor for 3 seconds. If the engine cannot be started at a lower temperature or the motor is in bad condition, step on the brake and long pressing the push button to start the engine, then release hands after the engine started.</p>

Preparation before installation

Please refer to the below steps

Before installation, you should first confirm whether the one-button start module accessories are complete, and confirm that the electrical performance of the vehicle is working properly. If there is any abnormality, please contact the service center first to ensure the correct installation. Tools preparation: small awl, electrician's knife, electric pen, wire stripper, Phillips screwdriver, electrician tape, electric drill, etc.



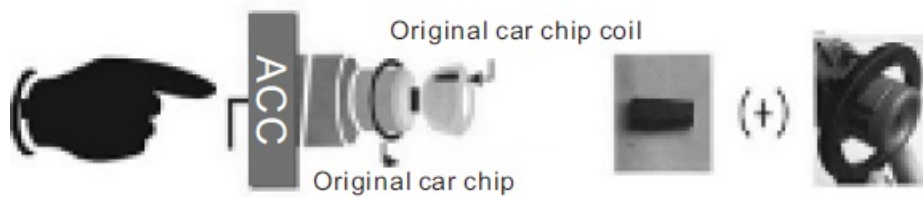
Picture 1

Picture 2

Picture 3

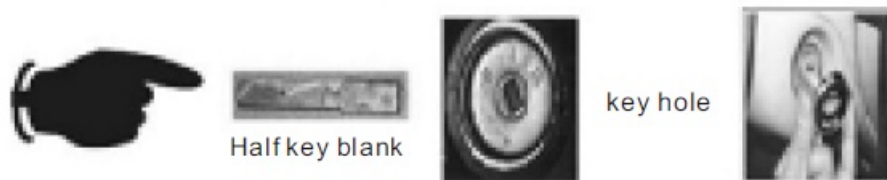
Instructions for One button Start System

When the original car with steering wheel lock and anti-theft chip lock, the original car's steering wheel lock, and chip lock must be released before the application. To release the steering wheel lock, a key blank is inserted into the lock hole as shown in Figure 2, and turned to ON position. To Unlock the anti-theft chip, as shown in Figure 3, bind the original car remote control and the induction coil together.



Original car chip processing and installation

The first step is to put out the original car chip, usually, a small rectangular black body as shown in the figure. The second step is to remove the induction coil at the lock of the original car. The third step is to bound the removed chip and the induction coil of the lock with tape. The fourth step is to install the processed coil and chip together inside the dashboard and then stabilize it. Another easy installation method is to directly paste the chip to the induction coil at the lock position.



Installation diagram for original steering wheel

The first step is to insert the key into the lock and saw it off. Leave 1 cm to extend it and you can take it out at any time with pliers. Secondly, is to drill a small hole next to the lock with a drill of the same size as the wire diameter to facilitate the start of the button threading. The next step is to remove the small iron piece on the start button and paste it on the negative head position with glue. After installation, unplug the original car's starter plug to prevent the car from consuming electricity when the key is unlocked. Another note: Another easy installation method is to directly remove the lock head as a whole.

Installation instructions for vehicles that need to be started by stepping on the clutch

1. If the clutch needs to be stepped on when the vehicle is started, then the clutch and brake must be stepped on at the same time, so the push button can start successfully.
2. For the original vehicle that needs to be started by stepping on the brake or clutch, then the relay must be pretended to supply power to the brake or clutch when the remote control starts. The principle is to simulate someone stepping on the brake or clutch in the car.

FCC Caution

Labeling requirements.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modification warning Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Information to the user.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Technical parameters

1. Working voltage: 3V
2. Static current 17-19mA
3. PKE sensing distance: $\geq 3\text{m}$
4. RF receiving distance: $\geq 70\text{m}$
5. Working current: Siren: + / - 10A; Open trunk: - 250mA; Unlocking: - 250mA; Lock: - 250mA; ACC output: + 30A on1 total electrical output: + 30A; STR output: + 30A; On2 (air conditioning) output: + 30A.
6. PKE low frequency: $125\text{kHz} \pm 0.3\text{ kHz}$
7. RF operating frequency: $433.92\text{mhz} \pm 0.3\text{mhz}$
8. Operating temperature: - 40 ° C to + 85 ° C

Documents / Resources

	Engine LC680PKE One Push Start [pdf] Instructions LT509, SY9-LT509, SY9LT509, LC680PKE One Push Start, LC680PKE, One Push Start, Push Start
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