

Installation Manual

Compatible Model	CLexus CGS
Year	2017



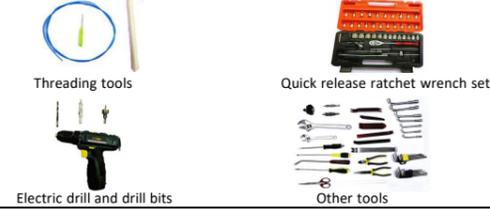
1. Points to note

- For safety and to ensure the proper use of product, please ask a professional technician to install. Do not disassemble and install it privately in case of damaging product and installation accidents.
- Please arrange each wiring harness according to the wiring method in this manual, be sure to tie each wiring harness to the vehicle's original wiring harness with cable ties. Make sure the wiring harnesses are not located at the fasteners or screw holes to avoid the wiring harnesses crushed by the vehicle interior trim panel buckles and screws during the installation process.
- Because some of the wiring harness terminals (as shown in the red ellipses below) are not inserted into the wiring harness connectors during manufacture, please insert terminals into the wiring harness connector first to avoid short circuit between terminals after the wiring harnesses have been arranged, then connect other plugs of the wiring harnesses (as shown in the blue ellipses below) with the original plugs.



- Check the function display of instrument panel before installation, whether the button of the vehicle is working properly, whether the doors and windows work properly while opening and closing, whether there are scratches on the internal and external surfaces of the vehicle; and report to the customers in a timely manner if there are any problems.
- During the process of disassembly and assembly, do not carry metal ornaments and other hard objects with you to prevent damage to the paintwork, seats and interior. Be sure to place the removed trim components properly to avoid scratching them.
- All the pictures in this manual are for reference only, vehicle models with different configurations may have different pictures, but the installation methods are the same.

2. Installation tools



3. Product list

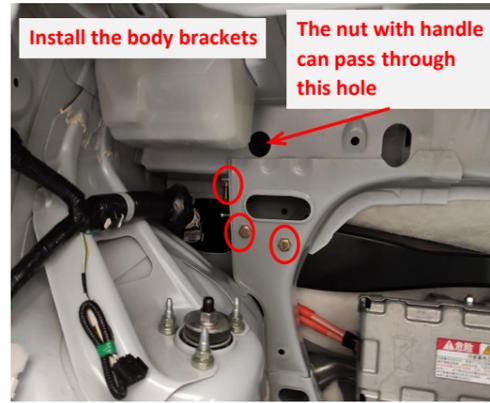
No.	Name	QTY	Picture
①	Strut	2	
②	ECU	1 set	
③	Wiring harness	1 set	
④	Added tailgate switch	1	
⑤	Other parts (screws, brackets, etc.)	1 set	Omitted



1. Remove the tailgate trim panel.



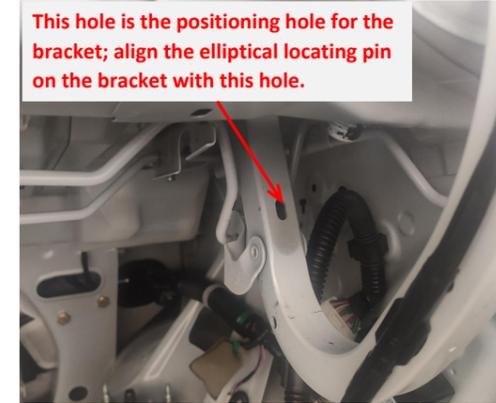
2. Remove the trunk liner and the trim panels on both sides.



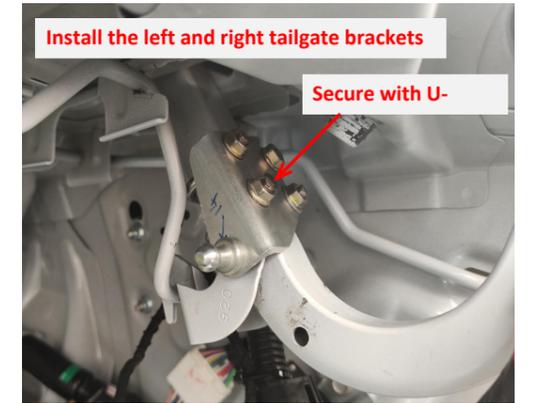
3. Install the left and right body brackets.



4. The completed installation of the body bracket. Both sides are the same.



5. Align the bracket with the positioning hole during installation.



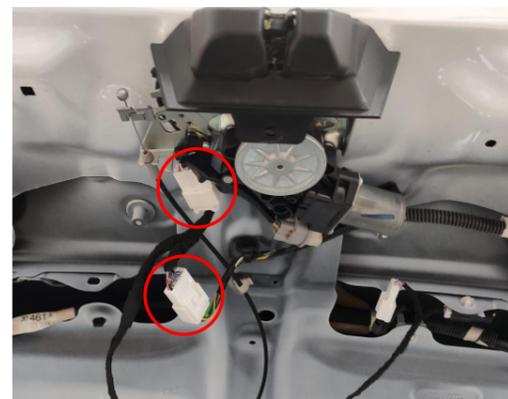
6. Install the left and right tailgate brackets.



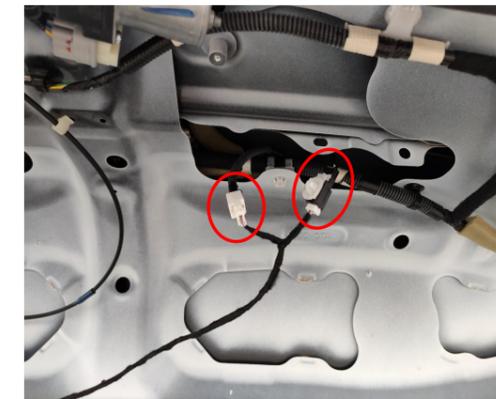
7. Install the electric struts, L on the left and R on the right (the first letter of the strut code), making sure the ends with wiring harnesses are on the car body.



8. Route the strut wiring harnesses along the hinges to the tailgate and tie them with the original wiring harnesses.



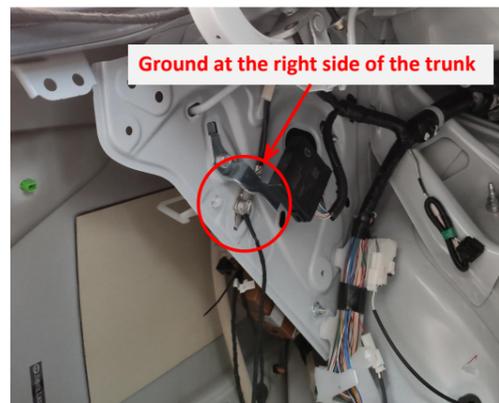
9. Connect the plugs of the lock signal harness to the plugs of the power latch.



10. Connect the plugs of the lock signal harness to the plugs of the original tailgate switch.



11. Install the added tailgate switch.



12. Ground at the right side of the trunk.



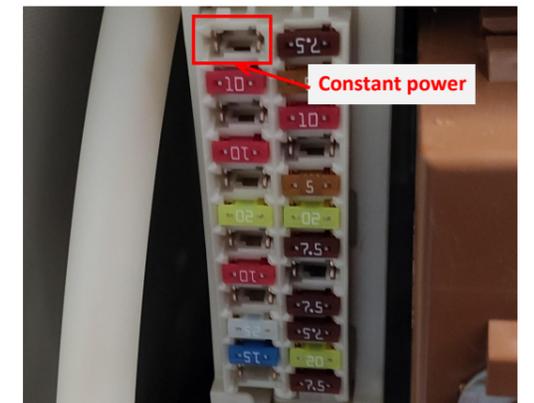
13. Route the power harness to the tailgate through the left hinge (routing only, no power connection).

Check if all the plugs are properly connected.

14. Check all the plugs.



15. The fuse box located at the left side of the trunk is used for power supply.



16. The fuse slot for power supply is indicated above.



17. Plug the fuse tap into the fuse box and pay attention to the direction.



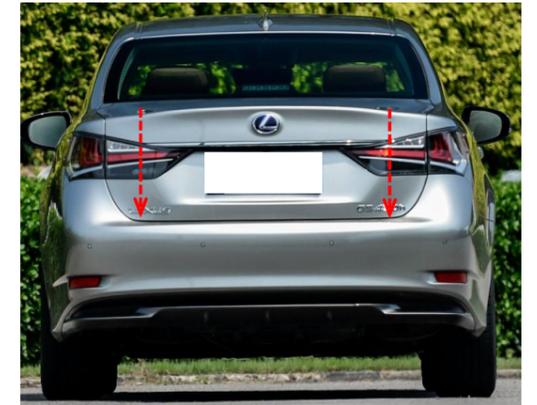
18. Install the ECU bracket at the the indicated position and secure it with a nut.



19. Insert the left and right strut wiring harnesses ①②, lock signal harness ③, and power harness ④ into the ECU in sequence.

1. Adjust the latch to the locked state by hand;
2. Manually close the tailgate to the position where the latch touches the lock striker;
3. Press the original tailgate switch button to open the tailgate and check whether the tailgate can be opened normally and the latch can be unlocked normally;
4. Confirm that the latch and the electric struts function well before continuing to install.

20. Check if the latch and the electric struts function well.



21. Test each function of the electric tailgate.



22. Reinstall all the trim panels.

5. System initialization method

1. Press the added tailgate switch button to make the tailgate close automatically;
2. Press the switch button outside the tailgate to open the tailgate and it will make a long sound of "beep".
3. The system initialization is complete.

6. Instructions for the electric tailgate

1. Methods to open and close the tailgate:
 - Press the tailgate button on the remote key;
 - Press the tailgate button at the driver's area;
 - Press the original tailgate switch button;
 - Press the added tailgate switch button.

2. Method to pause the tailgate:

During the operation of the tailgate, press the button with any of the above methods, and the tailgate will be paused. Press again, and the tailgate will move in reverse.

3. Method to memorize the height:

Open the tailgate to the height you want to set, long press the added tailgate switch, and release the switch after hearing a long "beep ----". The height memory is complete.

Tip: During the operation of the tailgate, pause the tailgate, and then push the tailgate to the ideal height with your hand.

4. Meanings of the buzzer sound:

- "Beep" once: Receiving an open/close or pause signal, the tailgate will immediately open/close or pause;
- "Beep" twice: The tailgate has been fully opened or closed;
- "Beep" three times: The resistance during opening or closing the tailgate is too large, and the intelligent anti-pinch has been turned on;
- Long sound of "beep": The height memory is complete.