

Installation Manual

Compatible Model	CLexus CNX
Year	2015-2021



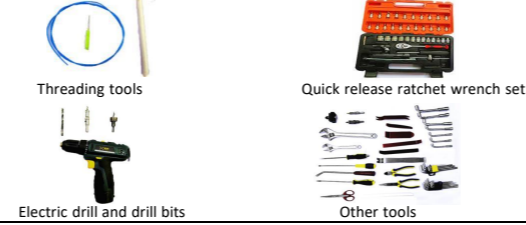
1. Points to note

- 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	Power latch	1	
⑤	Added tailgate switch	1	
⑥	Other parts (screws, brackets, etc.)	1 set	Omitted



1. Remove the front left door sill panels and switch panel.



2. Remove the rear left door sill panel and B-pillar trim panel.



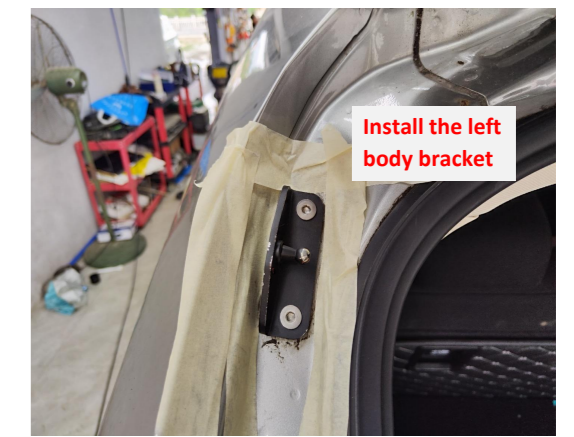
3. Remove the trunk floor mat and the trim panel on the left side.



4. Remove the tailgate trim panels.



5. Remove the original gas struts.



6. Install the left body bracket.



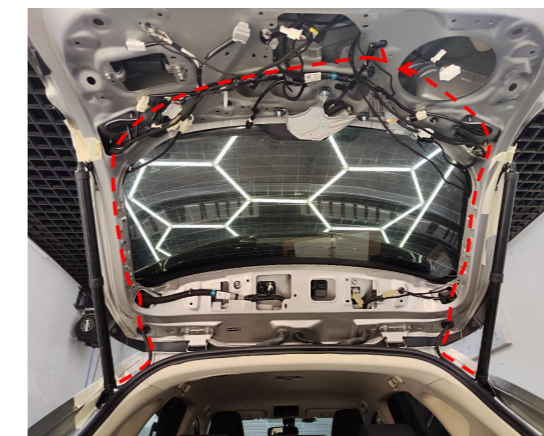
7. Install the right body bracket.



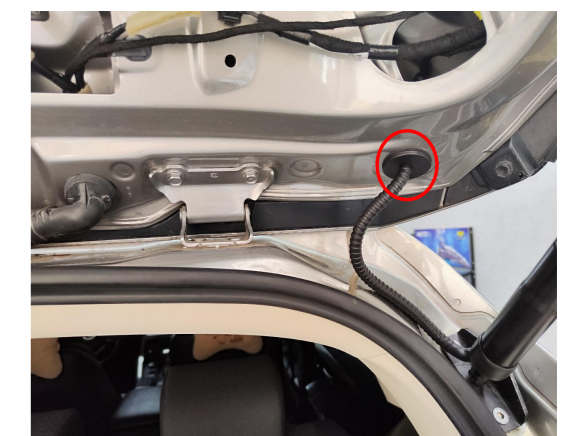
8. Install the electric struts, L on the left R on the right (the first letter of the strut code), making sure the ends with wiring harnesses are on the car body.



9. Thread the strut wiring harness through the indicated hole into the tailgate; the same on the other side.



10. Route the strut wiring harnesses.



11. Leave a certain length of rubber tube outside and plug the hole. The same on both sides.



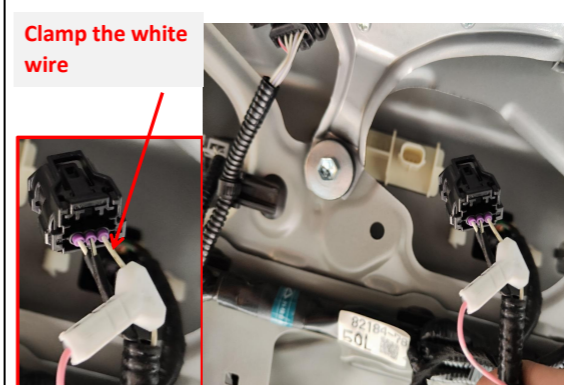
12. Remove the original latch and install the power latch.



13. Connect the plugs of the lock signal harness with the power latch.



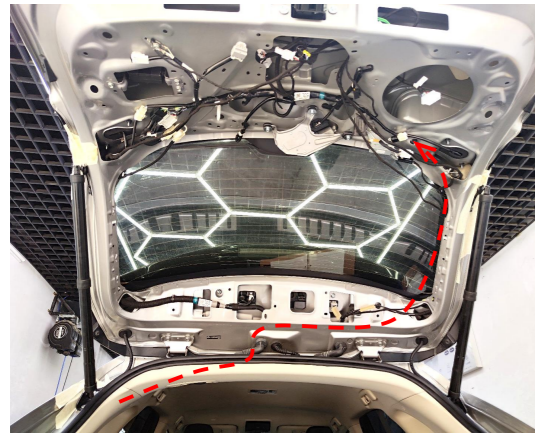
14. Connect the plug of the lock signal harness with the added tailgate switch.



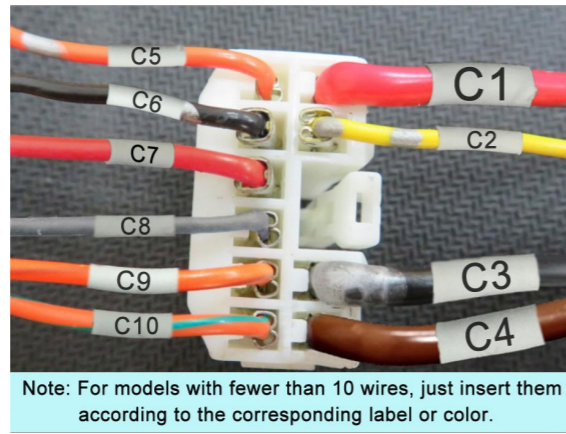
15. Clamp the white wire of the original tailgate switch plug to connect it with the pink wire of the lock signal harness (the third white wire)



16. Route the power harness (routing only, no plug or power connection).

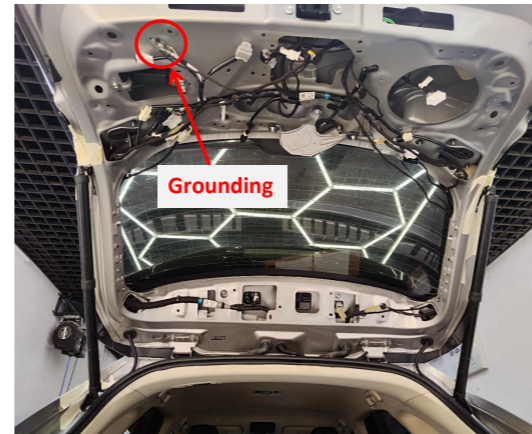


17. Thread the power harness to the tailgate (routing only, no plug or power connection).



Note: For models with fewer than 10 wires, just insert them according to the corresponding label or color.

18. Insert the power harness terminals into the connector.



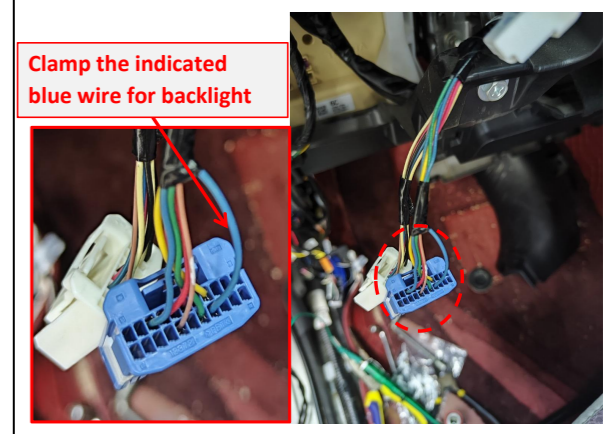
Grounding

19. Ground at the indicated location.



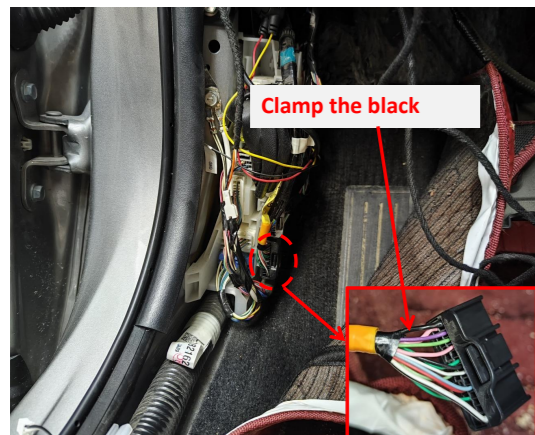
Install the front switch button

20. Install the front switch button.



Clamp the indicated blue wire for backlight

21. Clamp the indicated blue wire to connect it with the front switch button for backlight. (eighth in the second row)



Clamp the black

22. Clamp the indicated black wire to connect it with the orange wire of the power harness. (first in the first row)

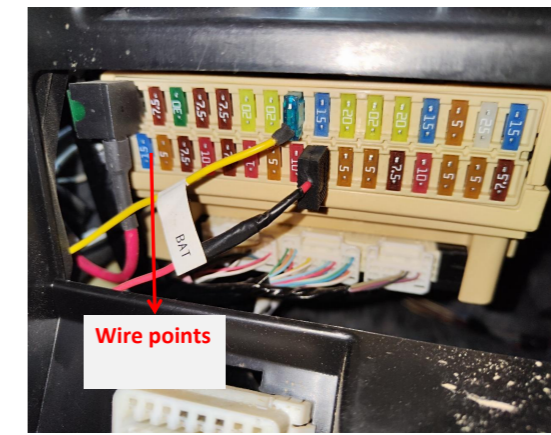
Check if all the plugs are properly connected.

23. Check all the plugs.



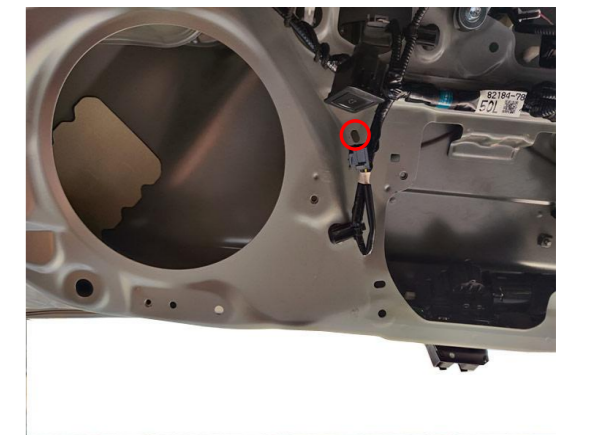
Constant power

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

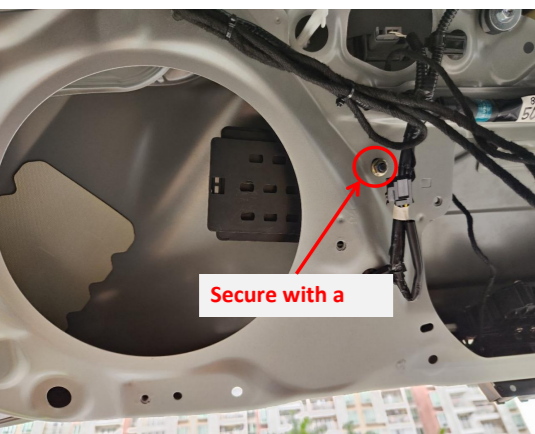


Wire points

25. Plug the fuse tap into the fuse box with wire points downward.



26. Secure the ECU at the indicated location.



Secure with a

27. Secure it with a nut.



28. Insert the strut wiring harness ①, lock signal harness ②, and power harness ④ into the ECU in sequence.



29. Press the added tailgate switch button to open and close the tailgate once for initializing the system, and then test the functions of the electric tailgate.



30. Reinstall all trim panels and install the added tailgate switch.

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 unlock button on the remote key 3 times;
 - Press the front switch button: long press for 4s to open and press once to close.
 - 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.