

# Installation Manual

Compatible Model	CGAC CGS3
Year	2023



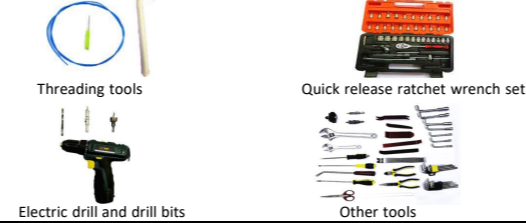
## 1. Points to note

- 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 indicated driver's side trim panels.



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



3. Remove the indicated tailgate trim panels.



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



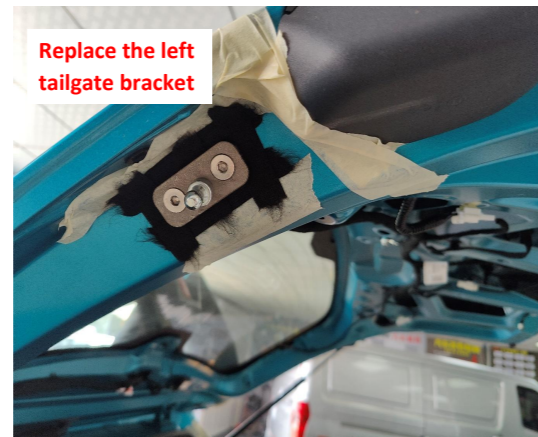
5. Remove the original gas struts.



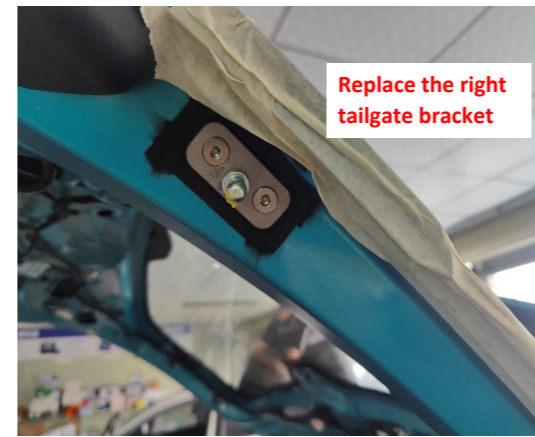
6. Replace the left body bracket.



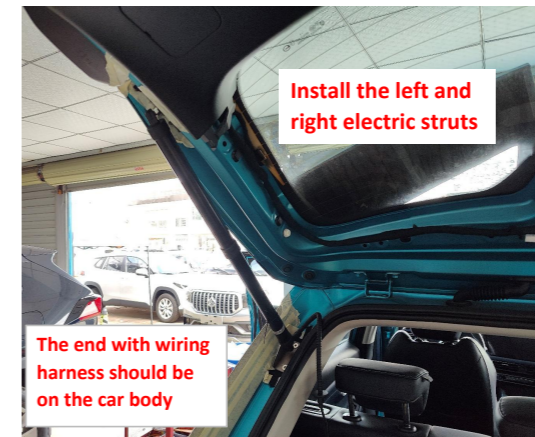
7. Replace the right body bracket.



8. Replace the left tailgate bracket.



9. Replace the right tailgate bracket.



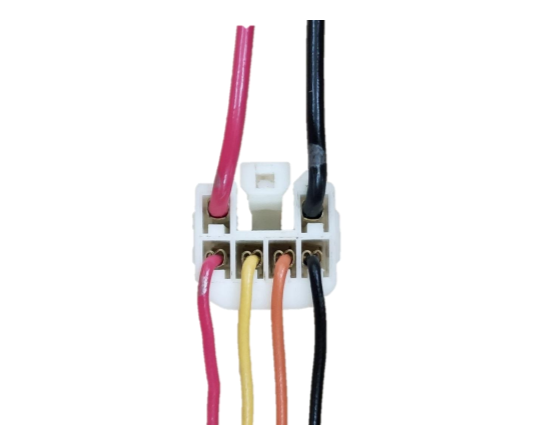
10. Install the electric struts, L on the left and R on the right (the first letter of the strut code).



11. Route the left and right strut wiring harness to the tailgate as indicated.



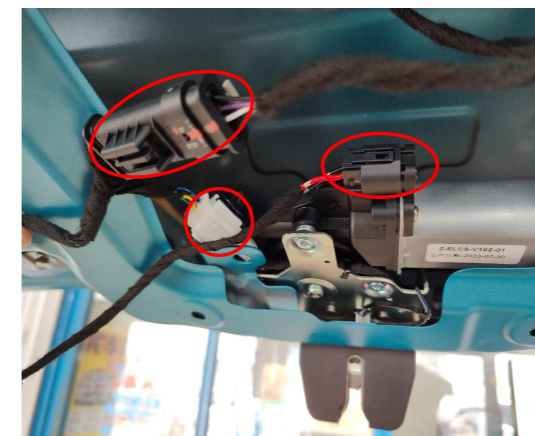
12. Plug the hole plug of the strut wiring harness into the indicated hole, the same on both sides.



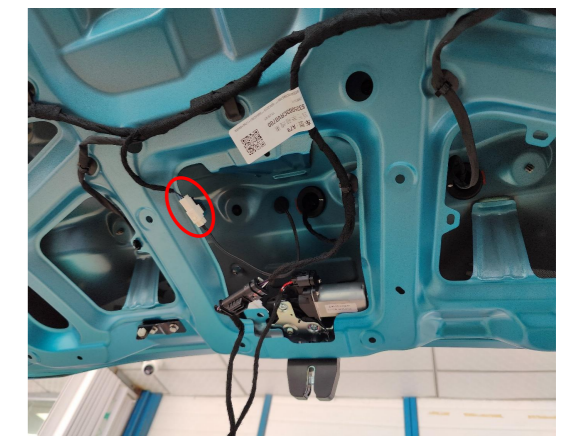
13. Insert the strut wiring harness terminals into the connector according to the diagram.



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



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



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



**Routing only, no terminals insertion or power connection**

17. Route the power harness as indicated (If you need to install the added front switch, route the switch wiring harness in the same way)

18. Thread the power harness to the tailgate (wire threading only, no terminals insertion or power connection).

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

19. Insert the power harness terminals into the connector according to the diagram.

20. Ground at the indicated position on the tailgate.

21. The fuse box is located behind the storage box in the driver's area and the fuse slot for power supply is indicated.

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

23. Connect the plugs of the power harness to the signal plugs at the rear left B-pillar.

The screw can be freely adjusted on the bracket. Find an appropriate location for easy installation.

24. Put the oval screw on the bracket and fit the ECU into the bracket.

25. Secure the ECU at the indicated position with a nut.

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

Drill a hole here with a  $\phi 21$ mm drill bit

27. Drill a hole at the indicated position with a  $\phi 21$ mm drill bit.

28. Install the added tailgate switch and reinstall all trim panels.

29. Manually close the tailgate to the position where the latch touches the lock striker, open and close the tailgate once to initialize the system and test each function of the electric tailgate.

(Optional) Find an appropriate position at the driver's area, drill a  $\phi 21$ mm hole and install the added front 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 tailgate button on the remote key 2 times;
- Press the unlock button on the remote key or the unlock button at the driver's area 3 times;
- Press the original tailgate switch button;
- Press the added tailgate switch button.

• Press the added front switch button: press and hold for 4s to open and press once to close.

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.