

Installation Manual

Compatible Model	CBenz CGLA
Year	2022-2023



8-ETBZ-5014-00-00

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 trim panels from the trunk and tailgate.



2. Remove the front right side trim panels.



3. Find out the fuse box under the floor mat of front passenger seat.



4. Remove the rear right door sill panel.



5. Remove the original gas struts.



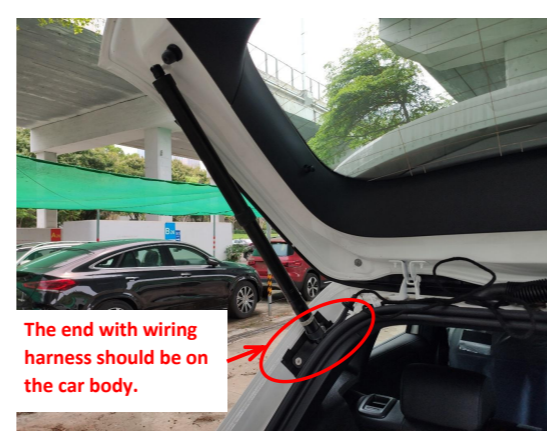
6. Mount the bracket on the left side of car body.



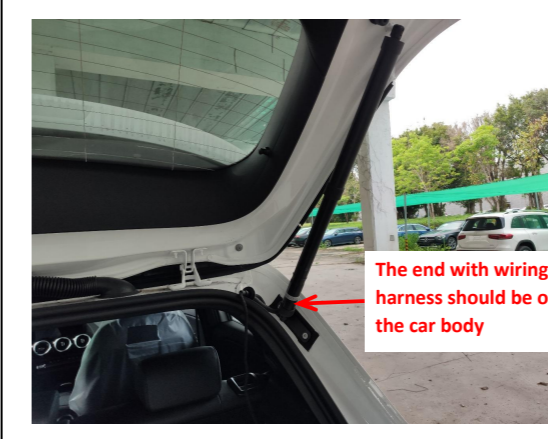
7. Mount the bracket on the right side of the car body.



8. Replace the original ball studs on both sides of the tailgate with provided ball studs.



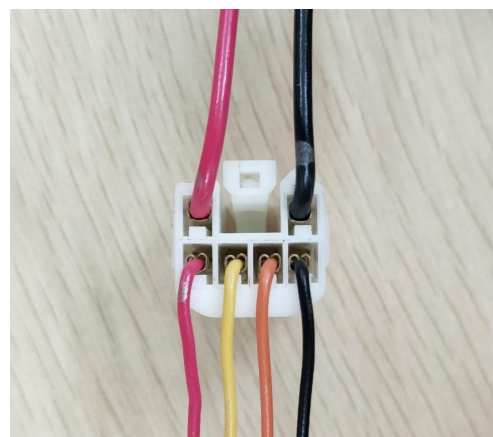
9. Install the electric struts, L on the left and R on the right (the first letter of the strut code).



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 and then connect them to the ECU.



12. Insert the strut wiring harness terminals into the wiring harness connector.



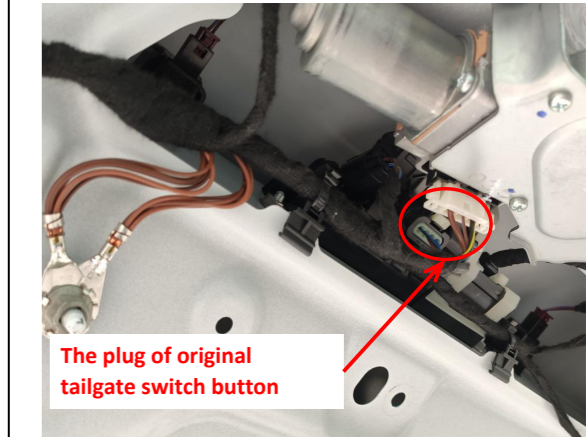
13. Remove the original latch.



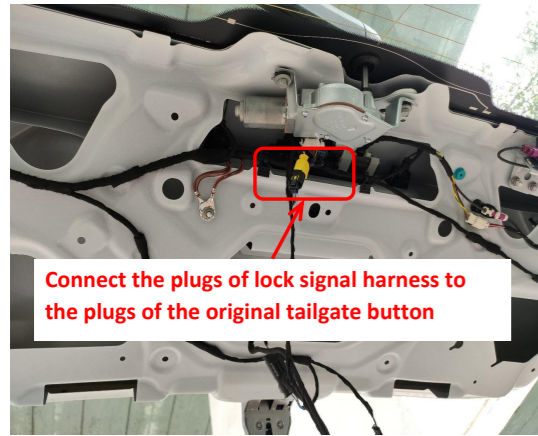
14. Connect the plugs of the lock signal harness to the plugs of the power latch.



15. Install the power latch.

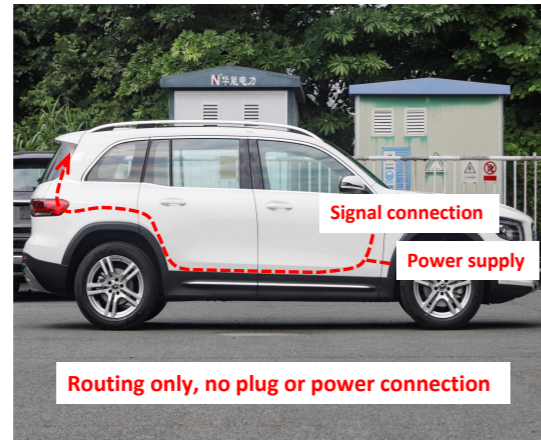


16. Find out the wiring harness connector of outer tailgate button.



Connect the plugs of lock signal harness to the plugs of the original tailgate button

17. Connect the plugs of lock signal harness to the plugs of the original tailgate button.



Signal connection

Power supply

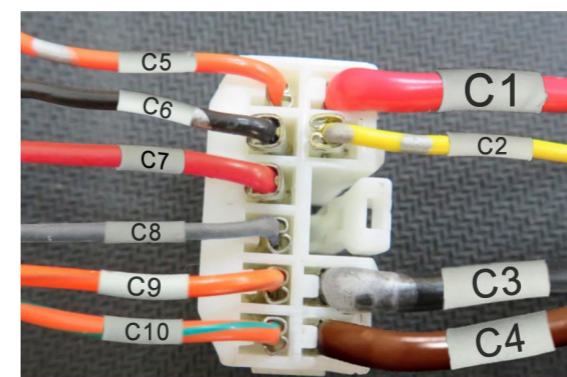
Routing only, no plug or power connection

18. Route the power harness.



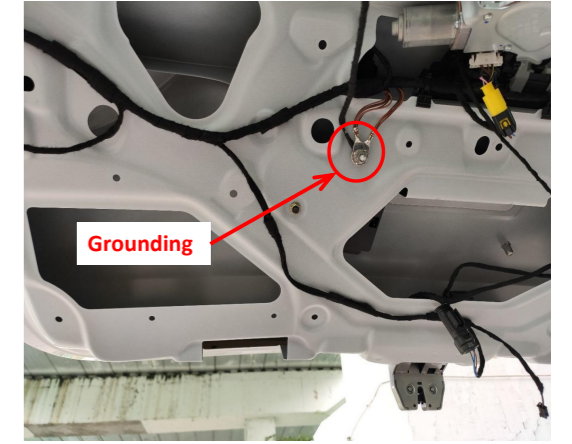
Routing only, no plug or power connection

19. Route the power harness to the tailgate.



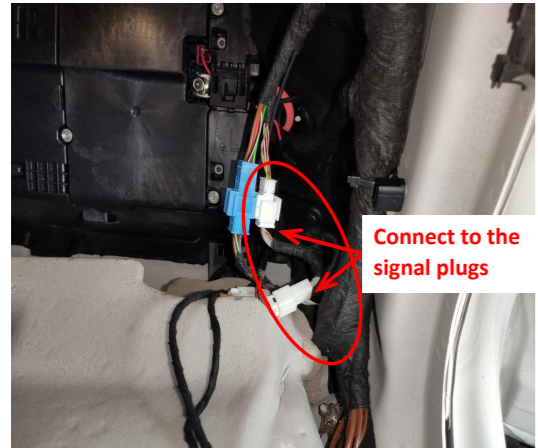
Note: For models with fewer than 10 wires, just insert them according to the corresponding label or color.

20. Insert the power harness terminals into the wiring harness connector according to the diagram.



Grounding

21. Ground at the indicated position by the ground wire connector.



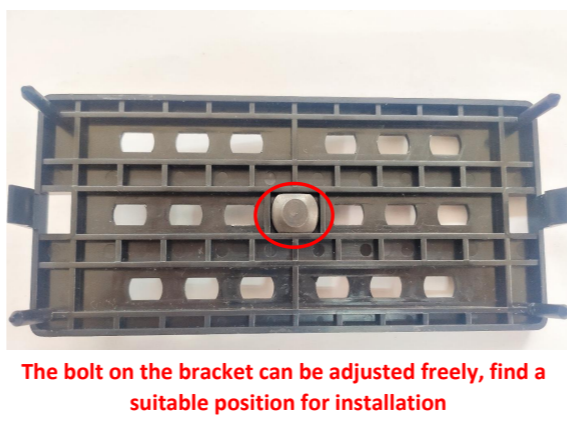
Connect to the signal plugs

22. Connect the plugs of power harness to the indicated signal plugs at the right side of front passenger seat.



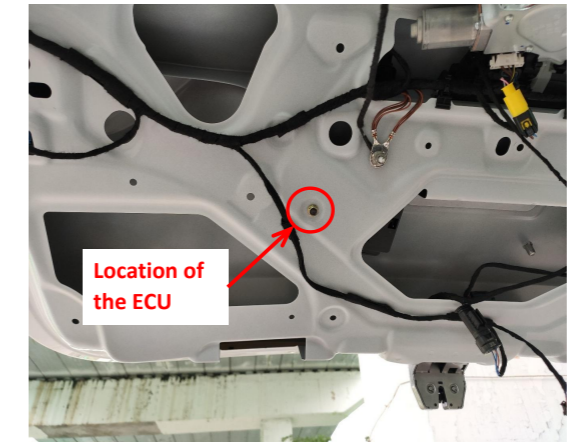
Ring terminal

23. Connect the ring terminal to the fuse box for power supply.



The bolt on the bracket can be adjusted freely, find a suitable position for installation

24. Put a bolt on the bracket and then mount the ECU onto the bracket.



Location of the ECU

25. Remove the wire clip from the indicated hole and secure the ECU at the hole with a nut.



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

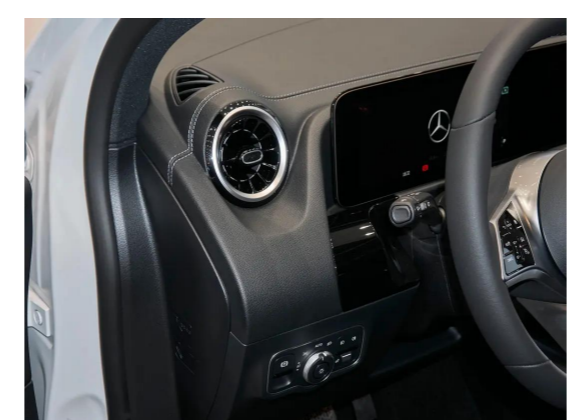


27. Press the added tailgate switch to close the tailgate once, the system complete initialization and then test each function of the electric tailgate.



Remove the original small cover here and install the added switch

28. Reinstall all the trim panels and install the added switch (Check if the added switch can bounce back normally when pressed. If there is any interference, use a small knife to scrape off the interfering part of the trim panel).



(Optional) Find an appropriate position in the driver's area, drill a $\phi 21\text{mm}$ 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 unlock button on the remote key 3 times;
 - Press 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.