

Installation Manual

Compatible Model	CBenz CGLA
Year	2016-2021



8-ETBZ-5013-00-00

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 accessories (screws, brackets, etc.)	1 set	Omitted



Remove the trim panels of the tailgate and the trunk

1. Remove the trim panels of the tailgate and trunk.



Find out the fuse box

2. Remove the the panel on the right side of the passenger seat and lift the floor mat to find out the fuse box.



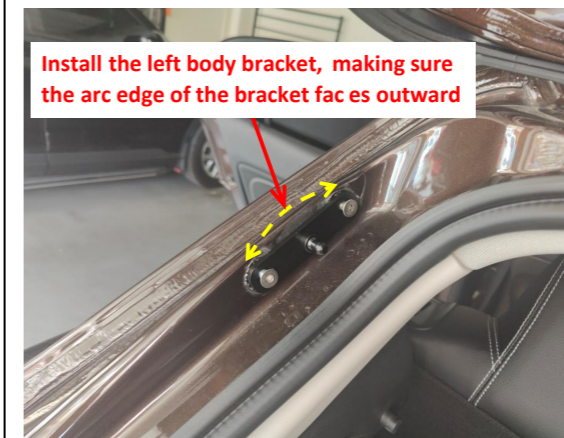
Remove the rear right door sill panel

3. Remove the rear right door sill panel to allow the power harness to pass through.



Remove the gas struts

4. Remove the original gas strut.



Install the left body bracket, making sure the arc edge of the bracket faces outward

5. Install the left body bracket, making sure the arc edge faces outward.



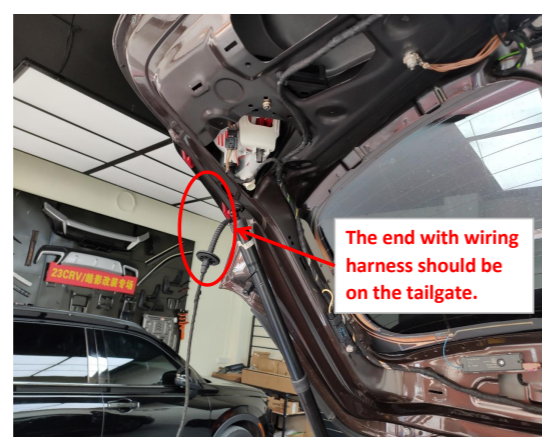
Install the right body bracket, making sure the arc edge of the bracket faces outward

6. Install the right body bracket, making sure the arc edge faces outward.



Replace the left and right ball studs

7. Replace the ball studs on both sides with provided ones.



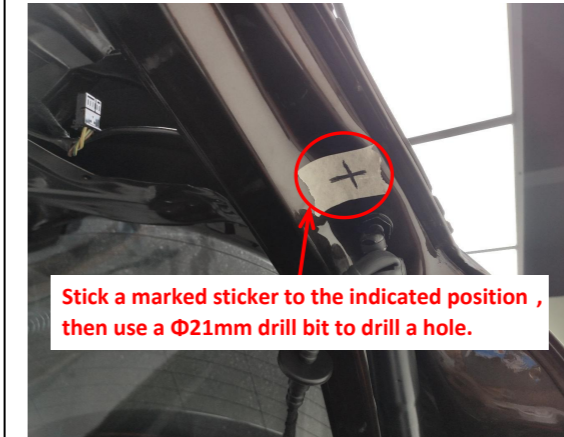
The end with wiring harness should be on the tailgate.

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



Remove the right taillight

9. Remove the right taillight to avoid damage when drilling hole.



Stick a marked sticker to the indicated position, then use a Φ21mm drill bit to drill a hole.

10. Stick a marked sticker to the indicated position, then use a Φ21mm drill bit to drill a hole.



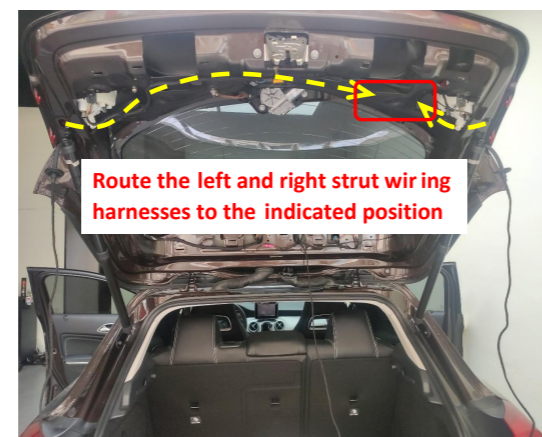
The drilled hole

11. Install the taillight back after drilling the hole.



Thread the right strut wiring harness through the drilled hole

12. Thread the right strut wiring harness into the tailgate through the drilled hole.



Route the left and right strut wiring harnesses to the indicated position

13. Route the left and right strut wiring harnesses to the indicated position for convenient connection to the ECU.



Remove the original latch

14. Remove the original latch.



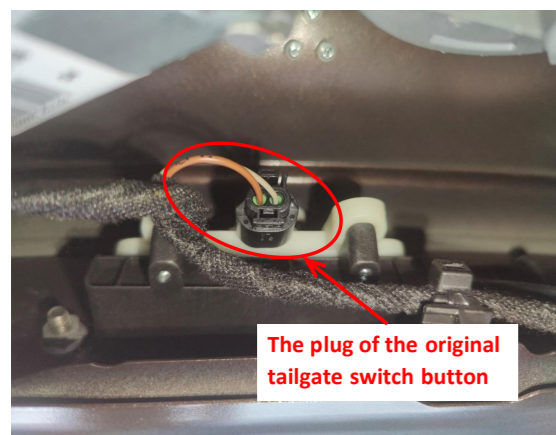
Connect the plugs of the lock signal harness to the plugs of the power latch

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



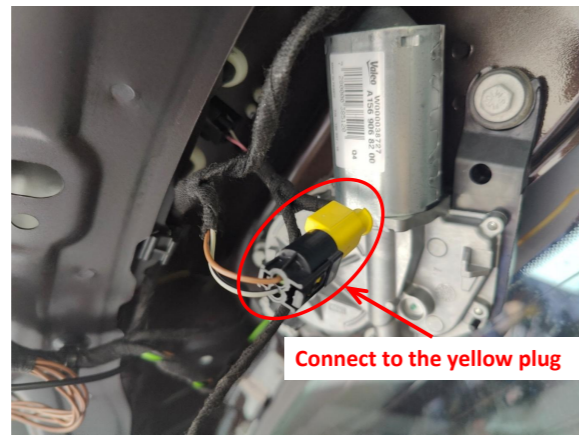
Install the lock actuator and secure it with the original screws

16. Install the power latch and secure it with the original screws.



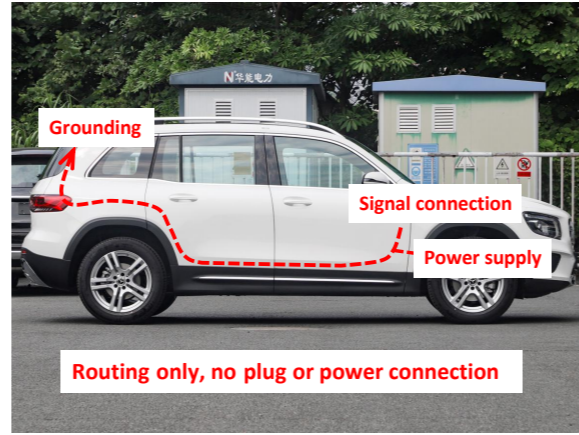
The plug of the original tailgate switch button

17. Find out the plug of the original tailgate switch button and unplug it.



Connect to the yellow plug

18. Connect the plugs of the lock signal harness to the original tailgate switch and its plug.

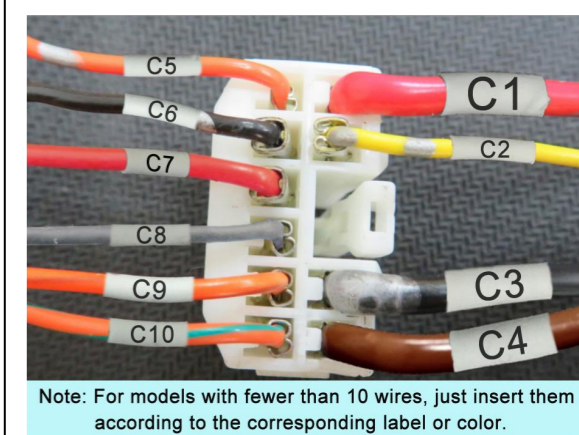


Grounding
Signal connection
Power supply
Routing only, no plug or power connection

19. Route the power harness along the original wiring harnesses.

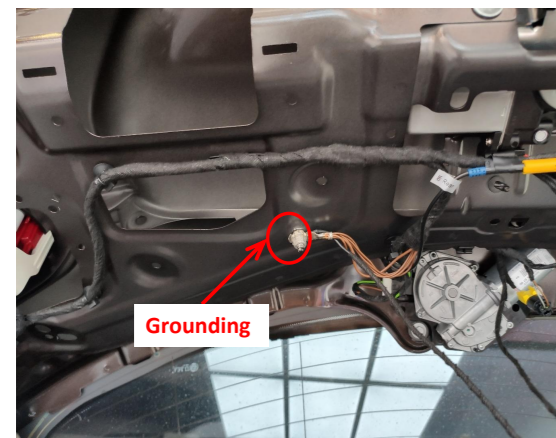


20. Thread the power harness to the tailgate (wiring only, no wire or power connection).



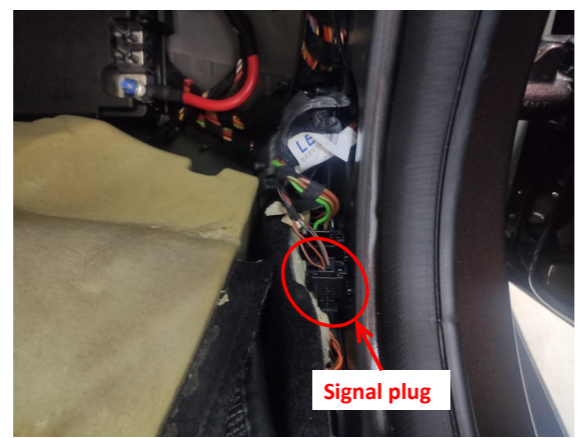
Note: For models with fewer than 10 wires, just insert them according to the corresponding label or color.

21. Insert the power harness terminals into the wiring harness connector as shown above.



Grounding

22. Ground at the indicated position of tailgate by original ground wire connector.



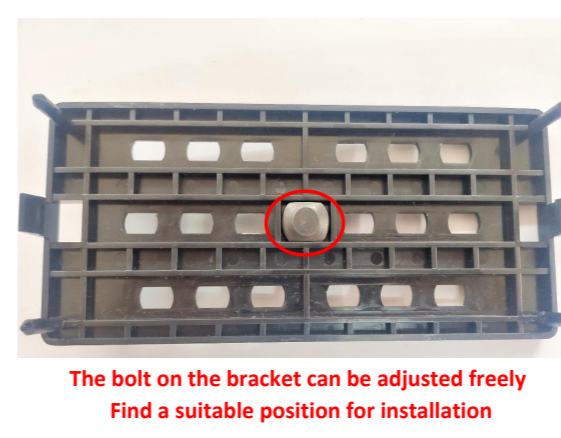
Signal plug

23. Connect the signal plugs of the power harness to the indicated signal plug and its socket.



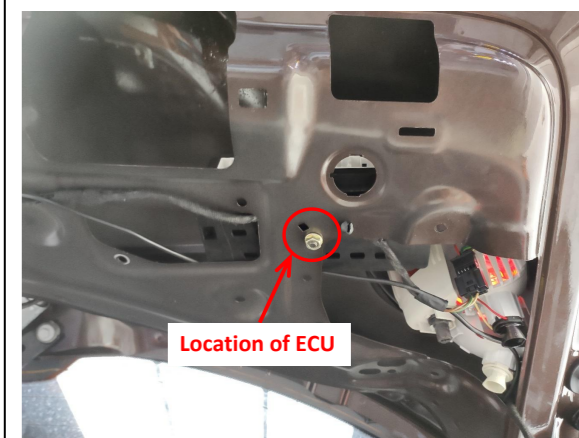
Connect the ring terminal to the fuse box for power supply

24. Connect the ring terminal to the fuse box beside the front right door for power supply and fasten with a nut.



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

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



Location of ECU

26. Place the ECU at the indicated hole with its sockets facing out and secure it with a nut.



27. Insert the strut wiring harnesses ① ②, lock signal harness ③, and power harness ④ into the ECU in sequence.

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.



28. 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 panel here and install the added tailgate switch

29. Reinstall all the trim panels and install the added switch in (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.