

Installation Manual

Compatible Model	CChangan CCS55 Plus
Year	2022-2023



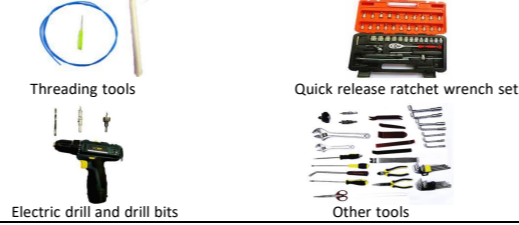
1. Points to note

- 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 trim panels.



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



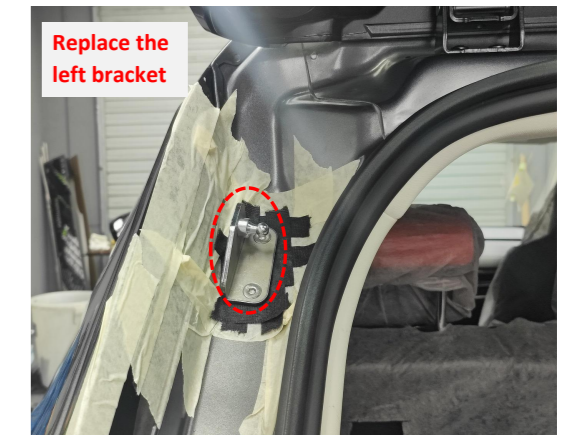
3. Remove the tailgate trim panels.



4. Remove the indicated trunk floor mat, door sill trim and the trim panel on the left side.



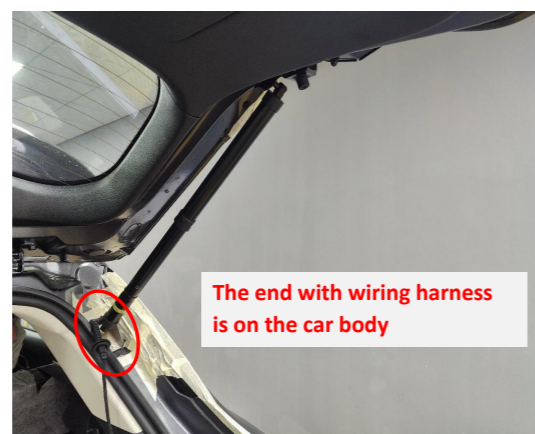
5. Remove the original gas struts.



6. Replace the left body bracket.



7. Replace the right bracket.



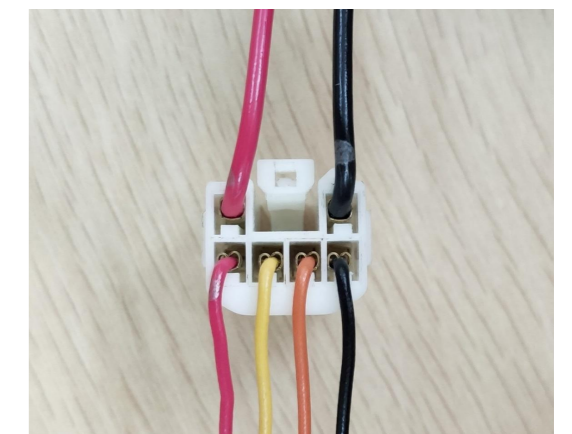
8. Install the electric struts, L on the left and R on the right (the first letter of the strut code).



9. Remove the indicated rubber plug and thread the strut wiring harness through the hole into the tailgate.



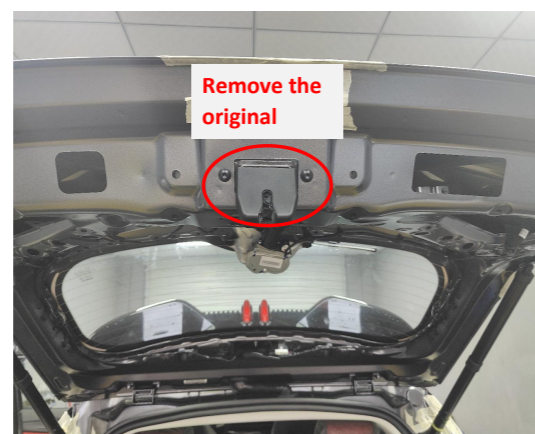
10. Route the left and right strut wiring harnesses as indicated above.



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



12. Leave a certain length of tube outside to prevent strut wiring harness from being bent, the same on both sides.



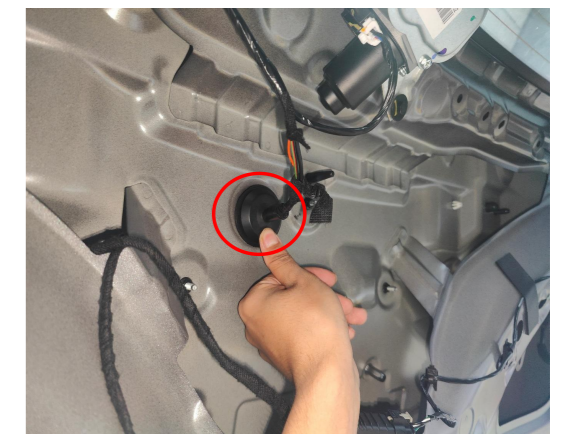
13. Remove the original latch and keep the two screws.



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



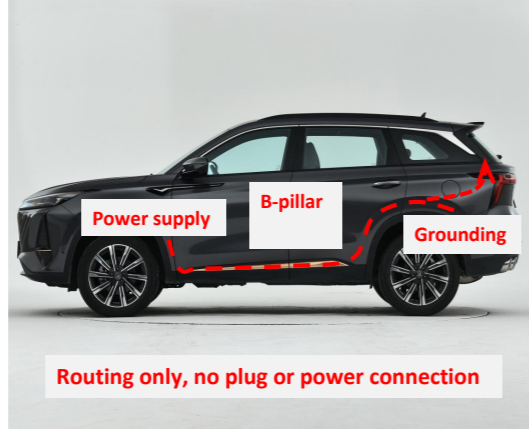
15. Install the power latch with original screws.



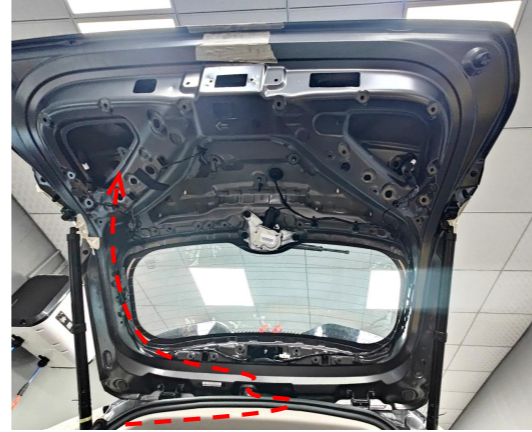
16. Find out the indicated rubber plug and the plug of tailgate handle switch is inside the hole.



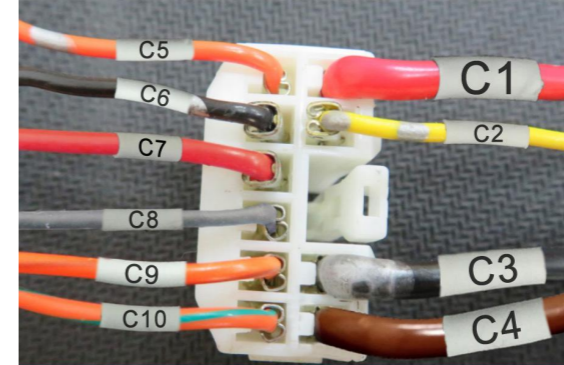
17. Take out the handle switch plug from the indicated location and connect with the plugs of lock signal harness.



18. Route the power harness (Routing only, no plug or power connection).

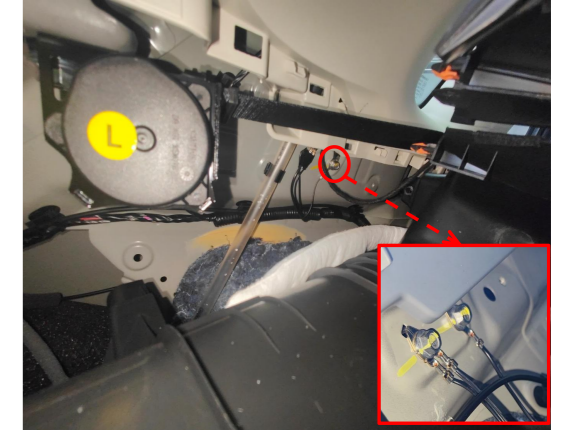


19. Route the power harness as indicated above.



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

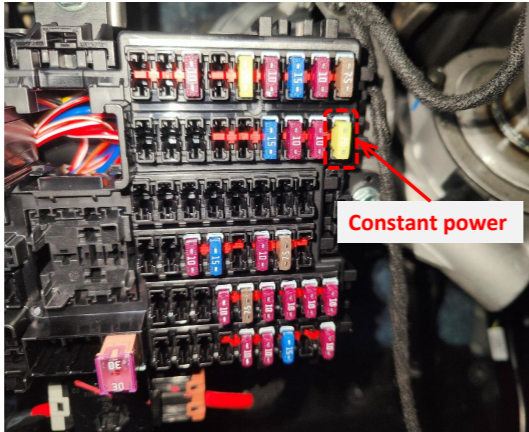
20. Insert the power harness terminals into the wiring harness connector.



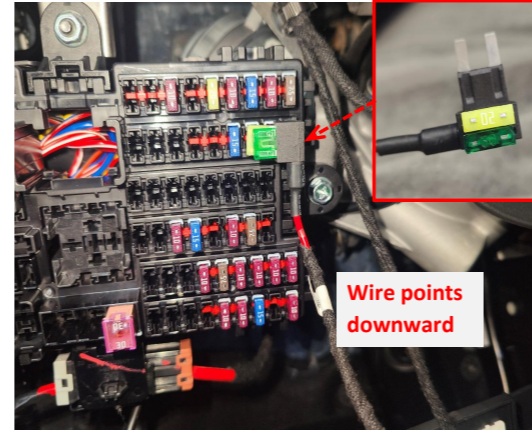
21. Ground at the indicated location with original ring terminal on the left side of the trunk.



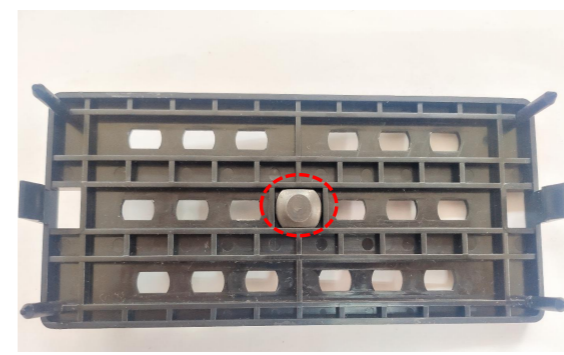
22. Connect the signal plugs of the power harness with the B-pillar signal plugs.



23. The fuse box is located beside the steering column and the fuse slot for power supply is indicated above.

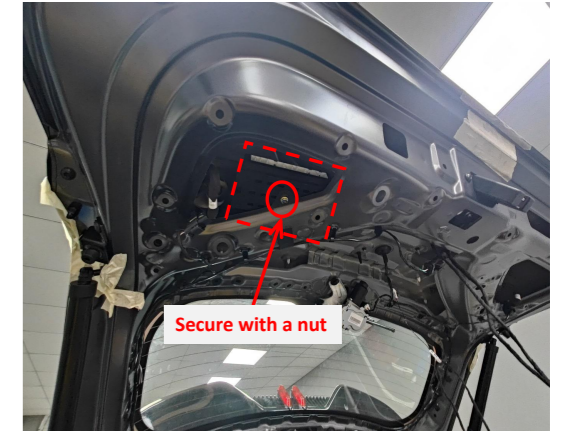


24. Move the indicated fuse from the fuse box to the fuse tap and plug the fuse tap into the fuse box.



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

25. Separate the bracket with the ECU and adjust the screw to an appropriate location for easy installation.



26. Secure the ECU at the indicated location with a nut.



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

Check if all the plugs are well connected.

28. Check all the plugs and terminals.



29. Remove the original small panel and install the added tailgate switch connect the plug of lock signal harness with it and reinstall all trim panels.



30. Manually close the tailgate to the position where it touches the lock striker and press the added tailgate switch button. After finishing the system initialization, test each function of the electric tailgate.

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 at the driver's area 3 times;
 - Press the original tailgate switch button;
 - Press the added tailgate switch button;
 - Press the unlock button on the remote key 3 times.

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 opened or closed in place;
"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.