

Installation Manual

Compatible Model	CChevrolet CMalibu XL
Year	2023



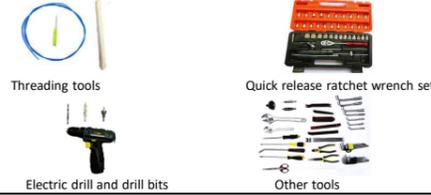
1. Points to note

- 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 indicated by the red ellipses below) are not plugged 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 indicated by 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 vehicle internal and exterior surfaces; 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



1. Remove the front left door sill panel and fuse box panel.



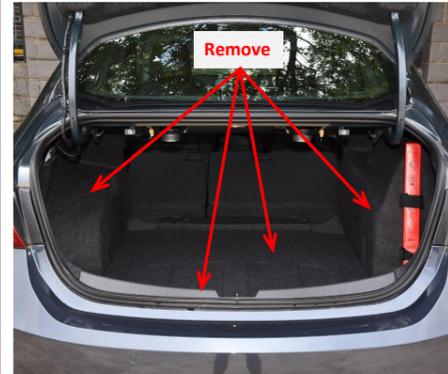
2. Remove the rear left door sill panel and B-pillar trim panel.



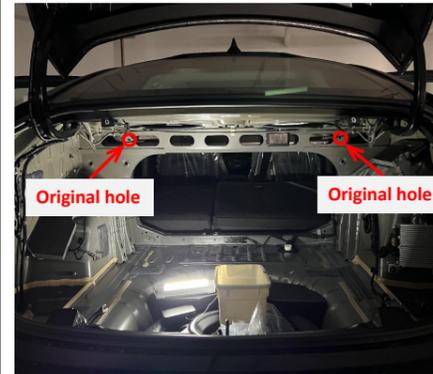
3. Fold all the rear seats.



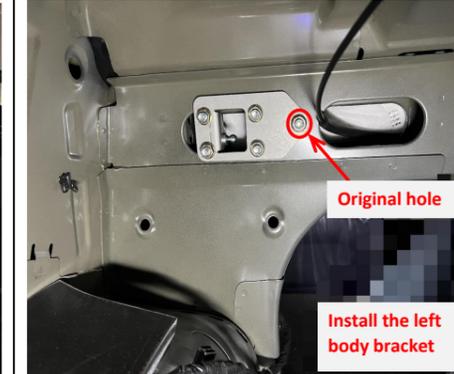
4. Remove the indicated tailgate trim panel.



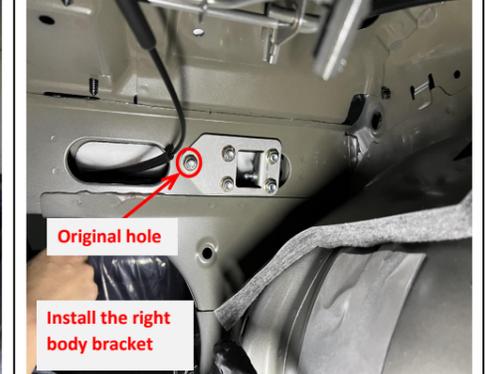
5. Remove the indicated trim panels from the trunk.



6. Find out the indicated two holes.



7. Install the left body bracket with one bolt fastened to the original hole.



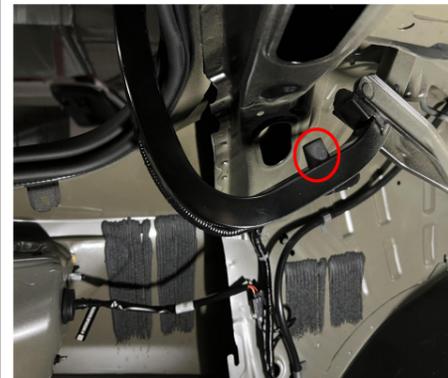
8. Install the right body bracket with one bolt fastened at the original hole.



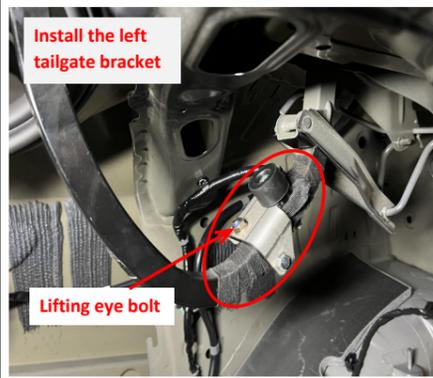
9. Remove the indicated trim panel fastener near the rear seat used to connect with the trunk.



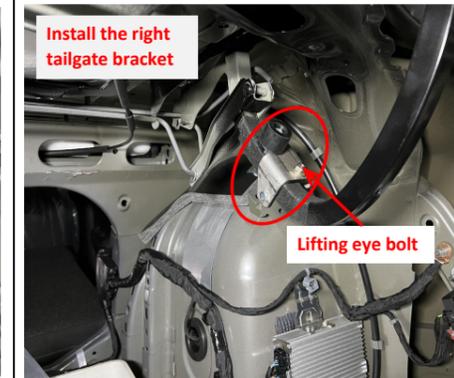
10. Move the edge of the trim panel to reveal the bracket and fasten the nuts.



11. Remove the bump stops on both the left and right tailgate hinges.



12. Install the provided bolt with bump stop and the lifting eye bolt, pass the M6 bolt through the hole of the eye bolt and secure them with nuts.



13. Install the right tailgate bracket in the same way.



14. Install the left strut (L&R are marked as the first letter of the strut code).



15. Install the left strut (L&R are marked as the first letter of the strut number).



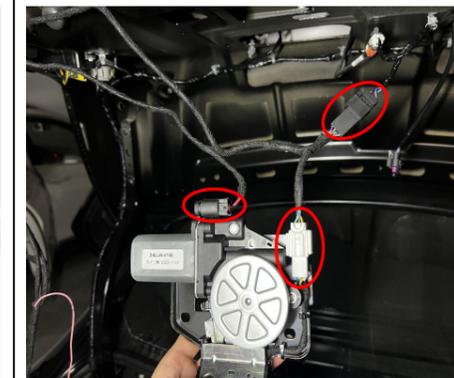
16. Pay attention to keep the struts above the original wiring harnesses to prevent breakage of the wiring harnesses.



17. Route the left and right strut wiring harnesses to the left side of the trunk along with original wiring harnesses.



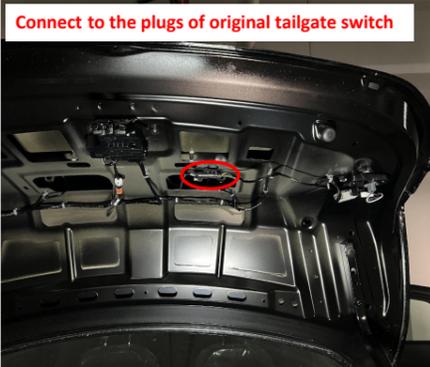
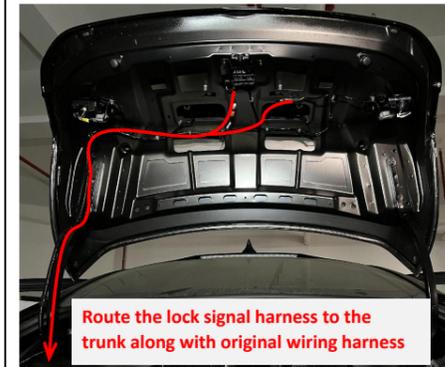
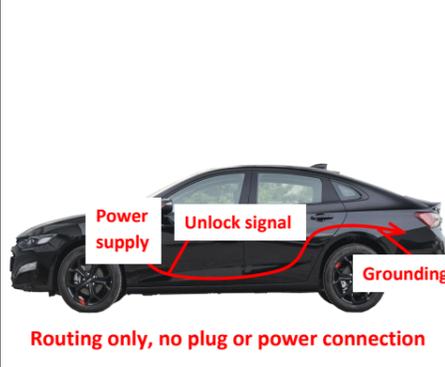
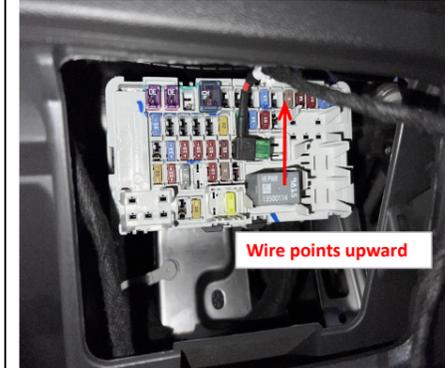
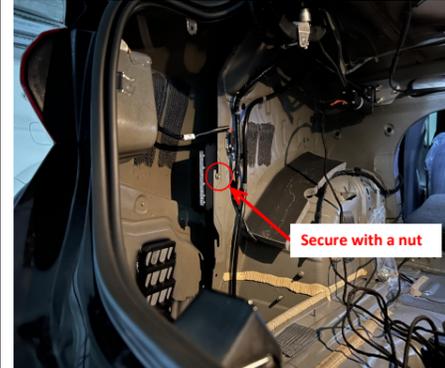
18. Remove the original latch.



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



20. Install the power latch.

 <p>Connect to the plugs of original tailgate switch</p> <p>21. Connect the plugs of the lock signal harness to the plugs of original tailgate switch.</p>	 <p>Hide the emergency wires</p> <p>22. Wrap the two emergency wires with electrical tape separately and hide them under the trim panel beside the rear left seat.</p>	 <p>Route the lock signal harness to the trunk along with original wiring harness</p> <p>23. Route the lock signal harness to the trunk along with the original wiring harness.</p>	 <p>Power supply Unlock signal Grounding</p> <p>Routing only, no plug or power connection</p> <p>24. Route the power harness as indicated.</p>	 <p>Grounding</p> <p>25. Ground at indicated location.</p>	 <p>26. Remove the trim panel on the left side of front passenger seat and connect the plugs of power harness to the unlock signal plugs.</p>
<p>Check if all the plugs are well connected ; Use original emergency key to make sure whether the latch can be unlock normally, and check whether the emergency wires are properly installed.</p> <p>27. Check all the plugs.</p>	 <p>Constant power</p> <p>28. The fuse box is located at the left side of the pedals and the fuse slot for power supply is indicated above.</p>	 <p>Wire points upward</p> <p>29. Plug the fuse tap into the fuse box. Pay attention to the direction.</p>	 <p>Secure with a nut</p> <p>30. Secure the ECU at the indicated location.</p>	 <p>31. Insert the strut wiring harnesses ①②, lock signal harness ③, and power harness ④ into the ECU in sequence.</p>	 <p>32. Install the trim panels on the left and right sides inside the trunk and properly cut a part of the panel to avoid interference with the operation of the struts.</p>
<p>1. Manually Adjust the latch to the locked state; 2. Manually close the tailgate to the position where the latch touches the striker; 3. Press the original tailgate switch button to open the tailgate and check whether the tailgate can be opened normally and the latch can be unlocked normally; 4. Confirm that the power latch and the electric struts function well before continuing to install.</p> <p>33. Check whether the power latch and the electric struts function well.</p>	 <p>34. Press the added tailgate switch button to open and close the tailgate once for initializing the system, and then test each function of the electric tailgate.</p>	 <p>35. Stick the hole template the indicated location and open a hole for the added tailgate switch (as close to the lower edge as possible).</p>	 <p>36. Reinstall all trim panels and install the added tailgate switch.</p>	<p>5. System initialization method</p> <ol style="list-style-type: none"> Press the added tailgate switch button, and the tailgate will close automatically; Press the tailgate switch button outside the tailgate to open the tailgate and it will make a long sound of "beep". The system initialization is complete. <p>6. Instructions for the electric tailgate</p> <p>1. Methods to open and close the tailgate:</p> <ul style="list-style-type: none"> 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. <p>2. Method to pause the tailgate:</p> <p>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.</p>	<p>3. Instructions for the added tailgate switch</p> <p>① Closing speed acceleration Press and hold the added switch button on tailgate until hearing a beep sound. When the tailgate makes a short beep sound again, the close speed acceleration is complete. (There are five speed settings. Repeat this step once to increase by one setting.)</p> <p>② Opening speed acceleration Press and hold the added switch button on tailgate until hearing two beep sounds. When the tailgate makes two short beep sounds again, the open speed acceleration is complete. (There are five speed settings. Repeat this step once to increase by one setting.)</p> <p>③ Height setting Press and hold the added switch button on tailgate until hearing three beep sounds. When the tailgate makes three short beep sounds again, the height setting is complete. Tip: During the operation of the tailgate, pause the tailgate, and then push the tailgate to the ideal height.</p> <p>④ Switch between quick/slow press of the button on remote key Press and hold the added switch button on tailgate until hearing four beep sounds. When the tailgate makes four short beep sounds again, the switch of pressing way is complete.</p>
<p>⑤ Switch between pressing the button on remote key 2/3 times Press and hold the added switch button on tailgate until hearing five beep sounds. When the tailgate makes a long beep sound, the switch of pressing times is complete.</p> <p>⑥ Braking force increase (Retention force for open) Press and hold the added switch button on tailgate until hearing six beep sounds. When the tailgate makes two long beep sounds, the braking force increase is complete. (There are five speed settings. Repeat this step once to increase by one setting.)</p> <p>⑦ Restore to factory settings Press and hold the added switch button on tailgate until hearing seven beep sounds. When the tailgate makes three long beep sounds, the reset is complete.</p> <p>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.</p>					