

Installation Manual

Compatible Model	Buick LaCross
Year	2023



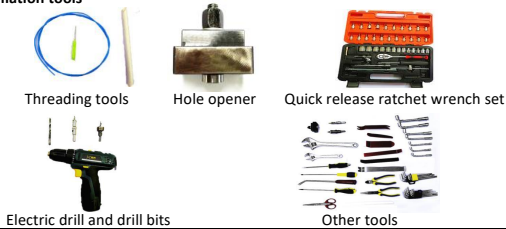
1. Points to note

- 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 wire harness according to the wiring method in this manual, be sure to tie each wire harness to the vehicle's original wire harness with cable ties. Make sure the wire harnesses are not located at the fasteners or screw holes to avoid the wire harnesses crushed by the vehicle interior trim panel buckles and screws during the installation process.
- Because some of the wire harness terminals (as shown in the red ellipses below) are not inserted into the wire harness connectors during manufacture, please insert terminals into the wire harness connector first to avoid short circuit between terminals after the wire harnesses have been arranged, then connect other plugs of the wire 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	Wire 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 panels.



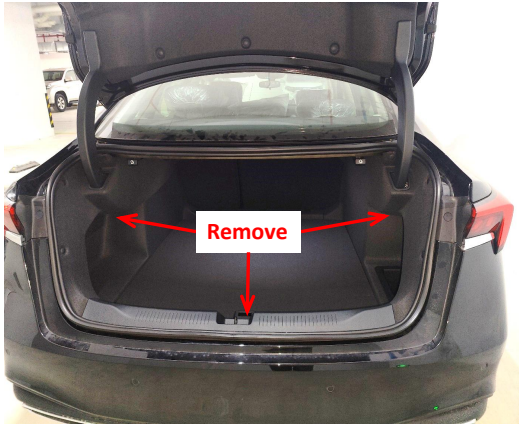
2. Remove the rear left door sill panels.



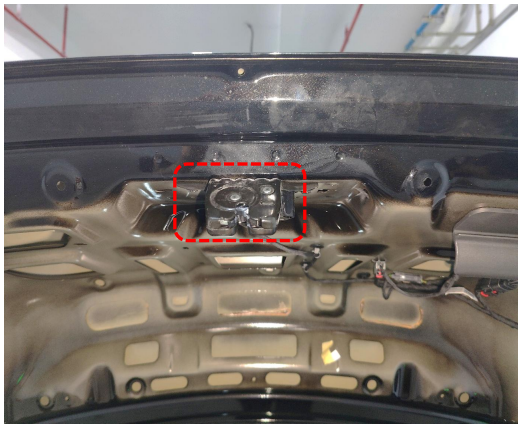
3. Remove the rear right door sill panel.



4. Remove the indicated trim panels from the tailgate and hinges.



5. Remove the indicated trim panels from the trunk.



6. Remove the original latch and keep the screws.



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



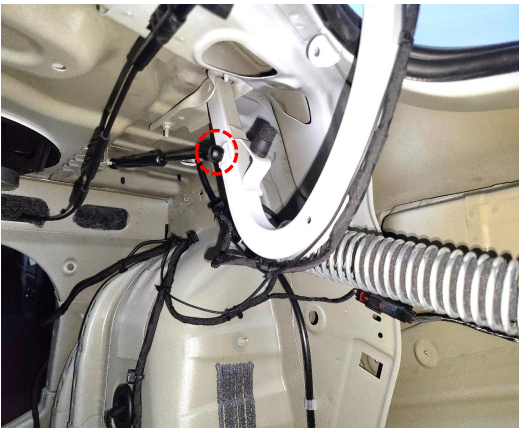
8. Connect the plugs of the lock signal harness to the original tailgate switch.



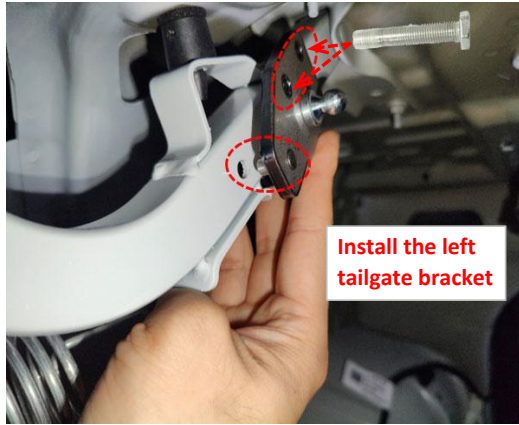
9. Install the power latch with original screws and confirm that the latch has been locked.



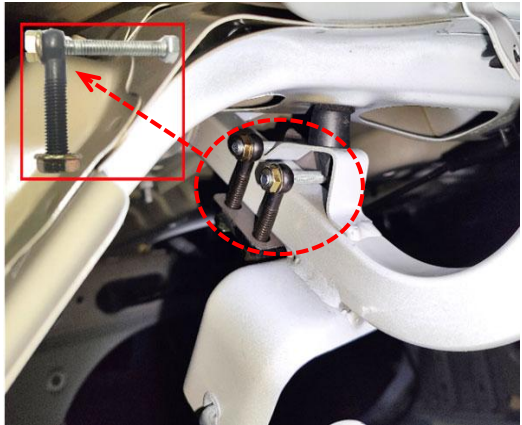
10. Route the two emergency wires along the right hinge to the right side of the rear seat and hide them under the door sill panel.



11. Remove the original gas strut.



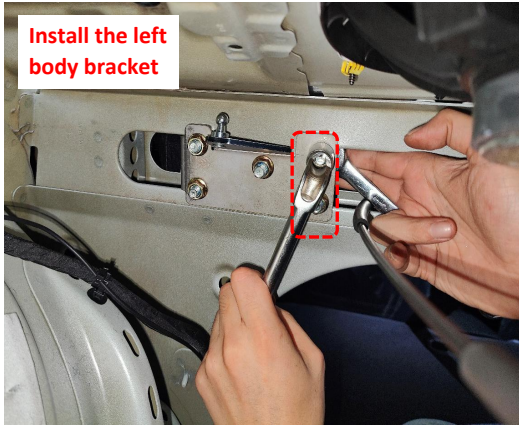
12. Locate the bracket with the locator pin and thread two long bolts through the bracket from the right side of the



13. Thread the lifting eye bolts through the bracket with the rings on the long bolts and secure them with nuts.



14. The indicated hole is the center of the body bracket.



15. Use a wrench and a socket wrench to secure the bolts.



16. Remove the fasteners from the trim panel that connects to the trunk, lift up the corners on both sides to fasten the



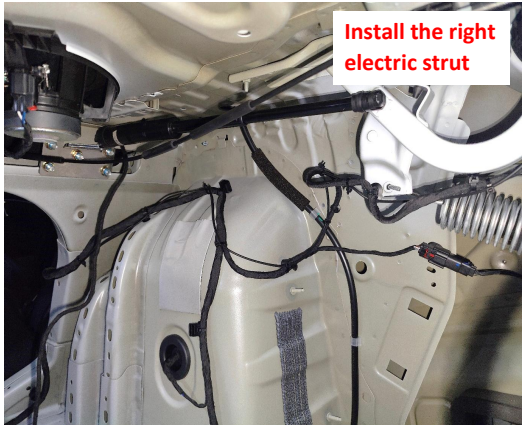
17. Fold the rear seats, use the socket wrench to hold the bolt and fasten it with a wrench from the other side.



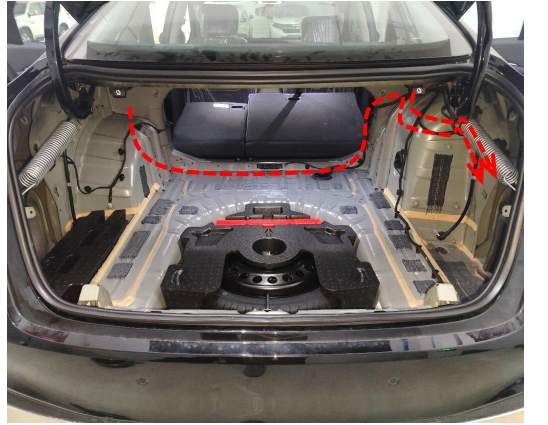
18. Install the right body bracket in the same method.



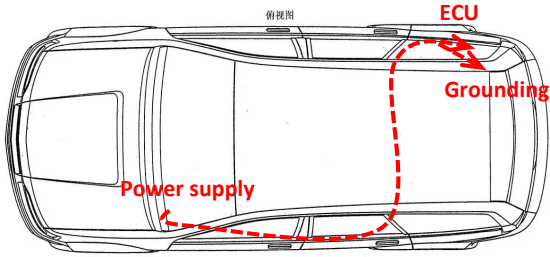
19. Install the left electric strut (the first letter of the strut code shows the left and right) .



20. Install the right electric strut (the first letter of the strut number shows the left and right) .



21. Route the left and right strut wire harnesses to the right side of the trunk along the original wires.



22. Route the power harness.



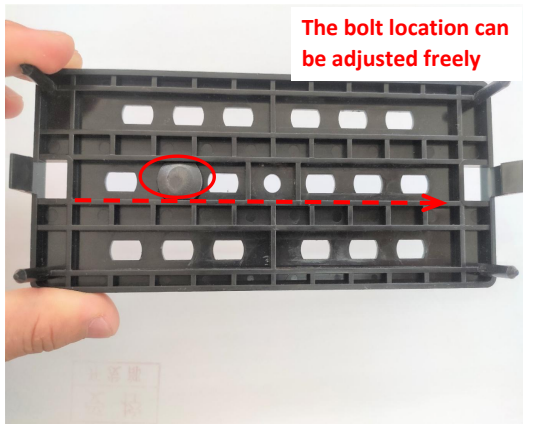
23. Ground at the indicated location with original ring terminal on the right side of the trunk.



24. The fuse box is located at the driver's position and the fuse slot for power supply is indicated above.



25. Plug the fuse tap into the fuse box with wire points downward.



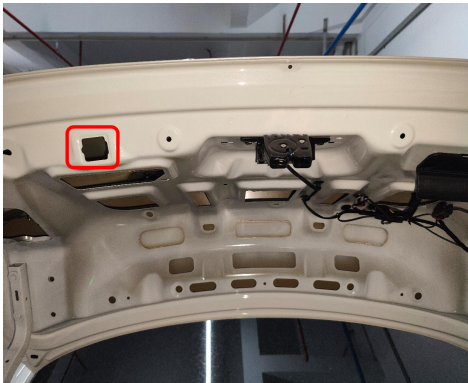
26. Put a screw on the bracket and fit the ECU into its bracket.



27. Place the ECU at the indicated location on the right side of the trunk and secure it with a nut.



28. Insert the left and right strut wire harnesses ①②, lock signal harness ③, and power harness④ into the ECU in sequence.



29. There is a hole on the left side of the latch. The hole to be opened on the trim panel should be aligned with the indicated hole.



30. Drill a hole on the trim panel with $\Phi 21$ mm drill bit, aligning with the hollow part.



31. Install the added tailgate switch and connect it with the plug of the lock signal harness. Check if all the plugs are well connected and install all trim panels back.



32. Manually close the tailgate to the position where it touches the striker and press the added tailgate switch button to open and close the tailgate once to initialize the system. 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;
- Press the tailgate button at the driver's area;
- Press the original tailgate switch button;
- Press the added tailgate switch button.

2. Method to pause the tailgate:

1. 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. Instructions for the added tailgate switch

①Closing speed acceleration (5 Settings)

1. Press and hold the switch button until hearing the first short beep sound.
2. After releasing the button, you will hear a short beep, indicating that the closing speed acceleration has taken effect.
3. Repeat this step once to increase by one setting.

②Opening speed acceleration (5 Settings)

1. Press and hold the switch button until hearing the second short beep sound
2. After releasing the button, you will hear two short beeps, indicating that the opening speed acceleration has taken effect.
3. Repeat this step once to increase by one setting.

③Settings of the voice module

1. Press and hold the switch button until hearing the third short beep sound.
2. After releasing the button, you will hear three short beeps, indicating that the voice module has entered configuration mode. (For details, see the voice module operation manual)
- ④Block the voice module

1. Press and hold the switch button until hearing the fourth beep sound.
2. After releasing the button, you will hear four short beeps indicating that the voice module has been blocked.

⑤Height setting

1. Press and hold the switch button until hearing the fifth short beep sound.
2. After releasing the button, you will hear a long beep sound indicating that the height setting has taken effect.

⑥Switch between quick/slow press of the unlock button on remote key

1. Press and hold the switch button until hearing the sixth short beep sound.
2. After releasing the button, you will hear a long beep sound and a short beep sound indicating that the switch between quick and slow press of the unlock button has taken effect.

⑦Switch between pressing the unlock button twice/three times

1. Press and hold the switch button until hearing the seventh short beep sound.
2. After releasing the button, you will hear a long beep sound and two short beeps indicating that the switch between pressing the unlock button twice/three times has taken effect.

⑧Braking force increase (five settings)

1. Press and hold the switch button until hearing the eighth short beep sound.
2. After releasing the button, you will hear a long beep sound and three short beeps indicating that the switch between pressing the unlock button twice/three times has taken effect.
3. Repeat this step to increase by one setting.

⑨Restore to factory settings

1. Press and hold the switch button until hearing the ninth short beep sound.
2. After releasing the button, you will hear a long beep sound and four short beeps indicating that the restoration to the factory setting has taken effect.

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.