

# Installation Manual

Compatible Model	CVolkswagen CTharu
Year	2019-2022



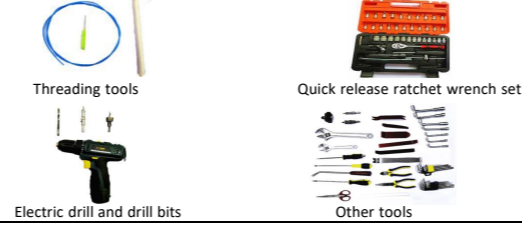
## 1. Points to note

- 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

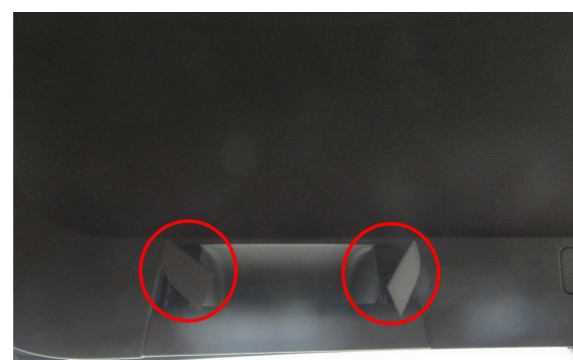
No.	Name	QTY	Picture
①	Strut	2	
②	ECU	1 set	
③	Wiring harness	1 set	
④	Power latch	1	
⑤	Added tailgate switch	1	
⑥	Other parts (screws, brackets, etc.)	1 set	Omitted



1. Remove the indicated driver's side trim panels.



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



3. Remove the screws from the tailgate handle.



4. Remove the tailgate trim panels.



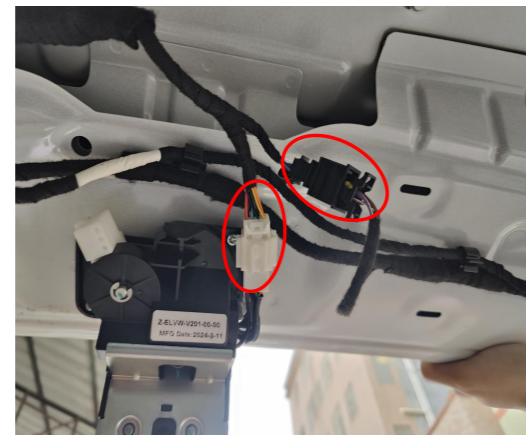
5. Take out the trunk floor mat and remove the lower trim panel.



6. Remove the trim panel on the left side of the trunk.



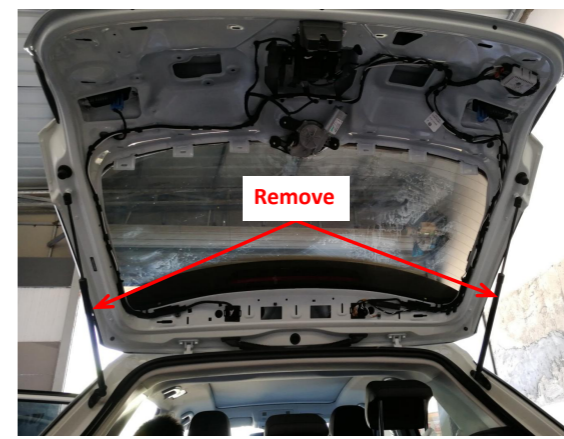
7. Remove the original latch and install our power latch.



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



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



10. Remove the original gas struts.



11. Replace the ball studs on both sides of the tailgate.



12. Replace the left body bracket and make sure the ball stud is positioned closer to the inner side.



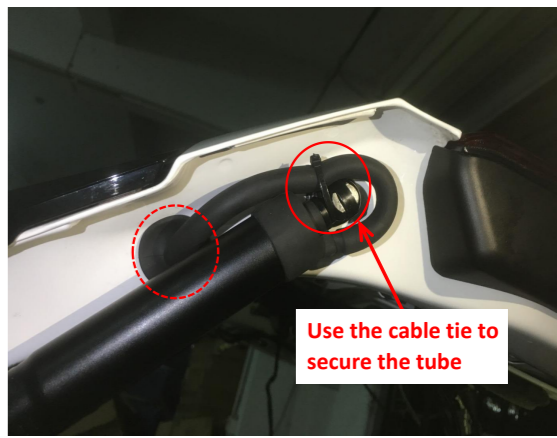
13. Replace the right body bracket and make sure the ball stud is positioned closer to the inner side.



14. Drill a hole at the indicated position with a 14mm drill bit.

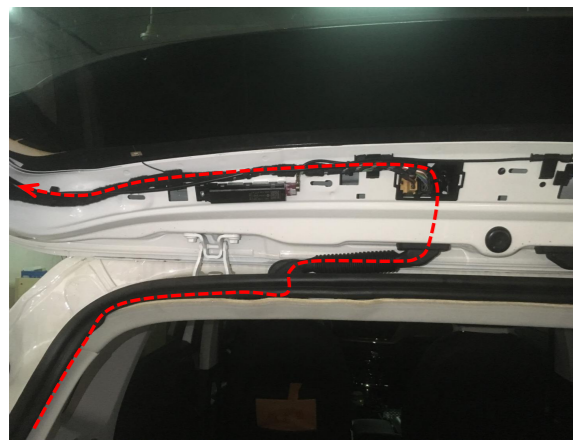


15. Install the electric struts, L on the left and R on the right (the first letter of the strut code).

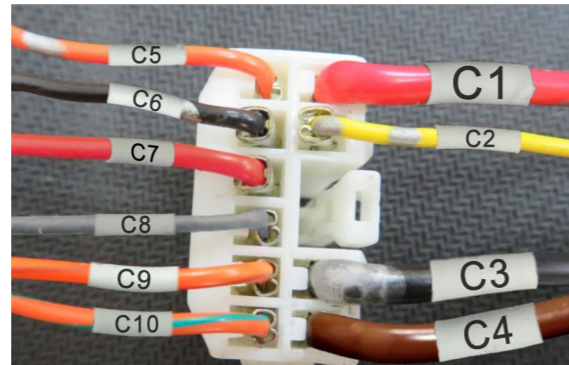


16. Thread the strut wiring harness into the tailgate and plug the hole.



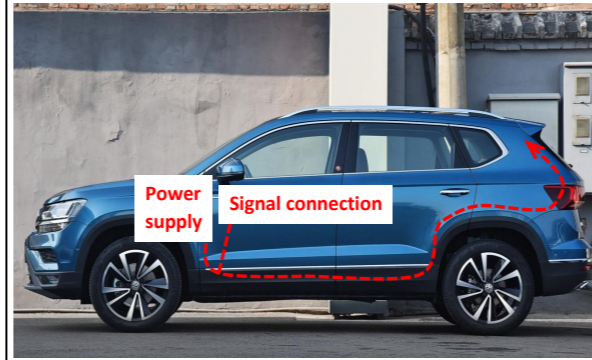


17. Thread the power harness to the tailgate.

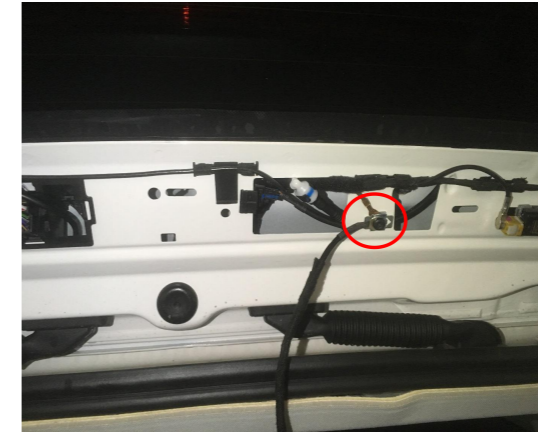


Note: For models with fewer than 10 wires, just insert them according to the corresponding label or color.

18. Insert the power harness terminals into the connector according to the diagram.



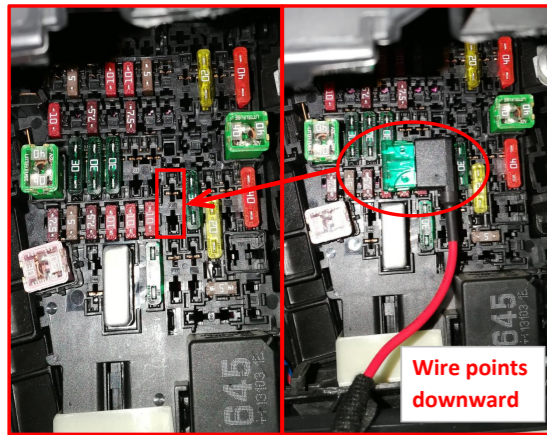
19. Route the power harness as indicated.



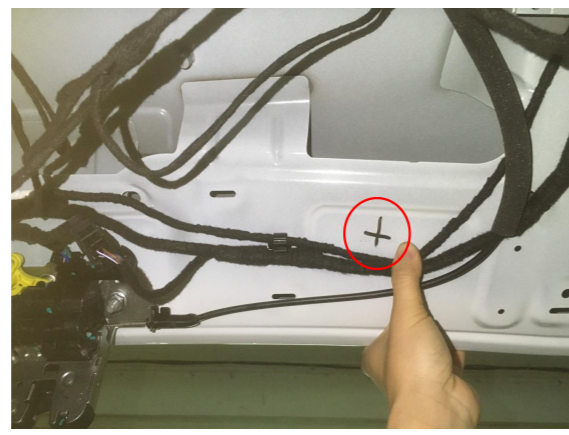
20. Ground at the indicated position.



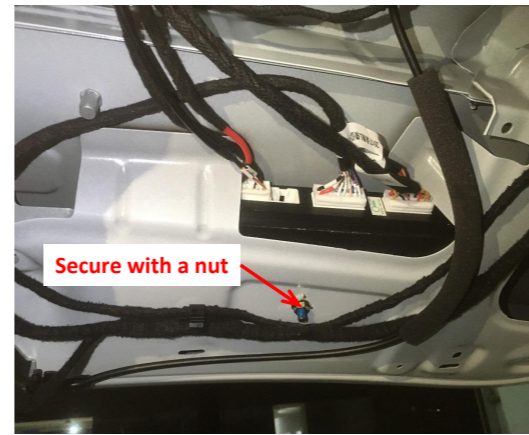
21. Find out the CAN box behind the fuse box and connect to the indicated plug and its socket.



22. Plug the fuse tap into the indicated slot and pay attention to the direction.



23. Drill a hole at the indicated position with a 6mm drill bit.



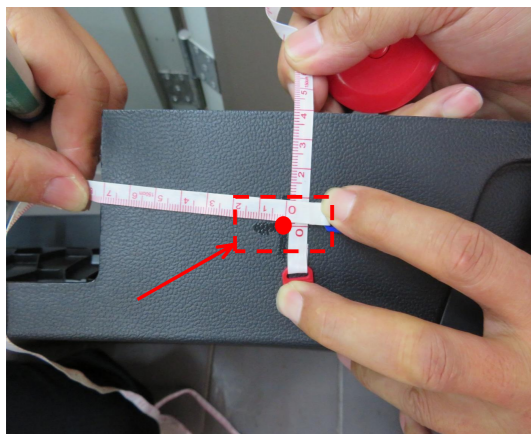
24. Secure the ECU bracket at the hole with a nut.



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



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



27. Stick the hold template to the indicated position and drill a hole.



28. Install the added tailgate switch and reinstall all the trim panels.

**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 and hold the tailgate button on the remote key;
  - Press the unlock button at the driver's position 3 times;
  - Press the original tailgate switch button to open;
  - Press the added tailgate switch button 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. Instructions for the added tailgate switch**

- 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.)
- 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.)
- 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.
- ④ Switch between quick/slow press of the unlock 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.

- ⑤ Switch between pressing the unlock button twice/three 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.
  - 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.)
  - 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.
- 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.