

Installation Manual

Compatible Model	CVolkswagen CTharu
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 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

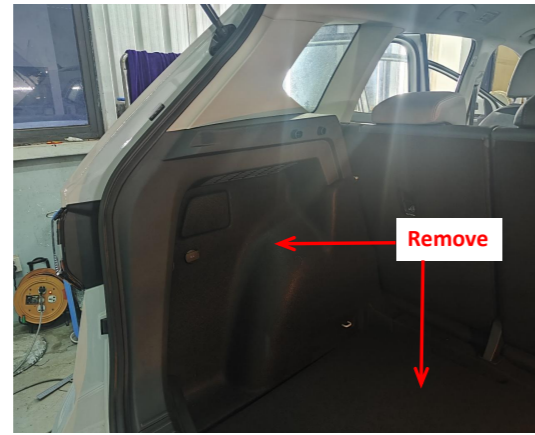
No.	Name	QTY	Picture
①	Strut	2	
②	ECU	1 set	
③	Wiring harness	1 set	
④	Power latch	1	
⑤	Added tailgate switch	1	
⑥	Other parts (screws, brackets, etc.)	1 set	Omitted



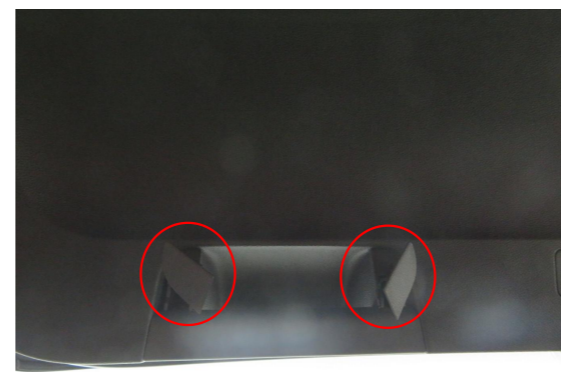
1. Remove front left door sill panels, switch panel and steering column panel.



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



3. Remove the indicated panel from trunk.



4. Remove the screws of handle.



5. Remove the trim panels from tailgate.



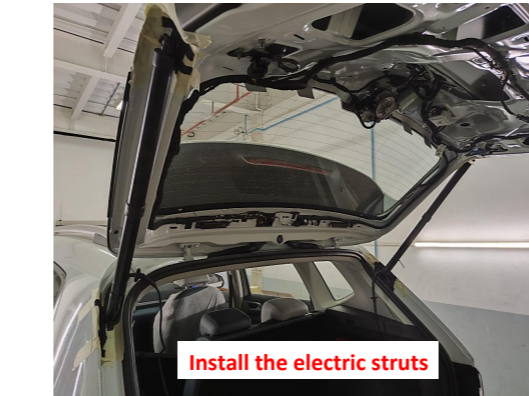
6. Remove the original gas struts.



7. Replace the bracket on the left side of the trunk.



8. Replace the bracket on the right side of the trunk.



9. Install the electric struts, L on the left and R on the right (the first letter of the strut code), making sure the ends with wiring harnesses are on the vehicle body.



10. Thread the strut wiring harness through the indicated hole into the trunk.



11. Route the left and right strut wiring harnesses to the left side of the trunk.



12. Plug the hole plugs tightly.



13. Route the lock signal harness to the left side of trunk along with original wiring harness.



Note: For models with fewer than 14 wires, just insert them according to the corresponding label or color.

14. Insert the lock signal harness terminals into the connector on ECU.



15. Remove the original latch.

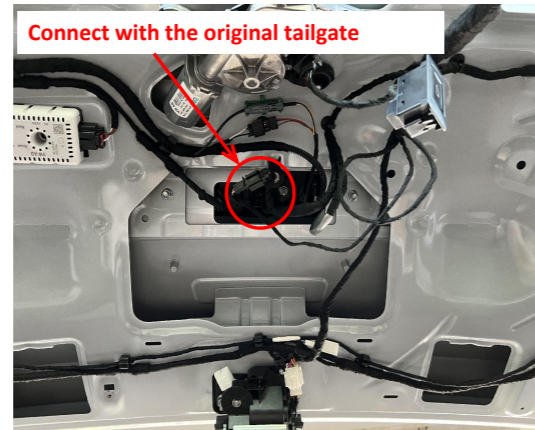


16. Connect the plugs of lock signal harness with the plugs of the power latch.



The latch was locked right out of the factory. Please unlock it manually.

17. Install the power latch and cover the latch with original latch casing.

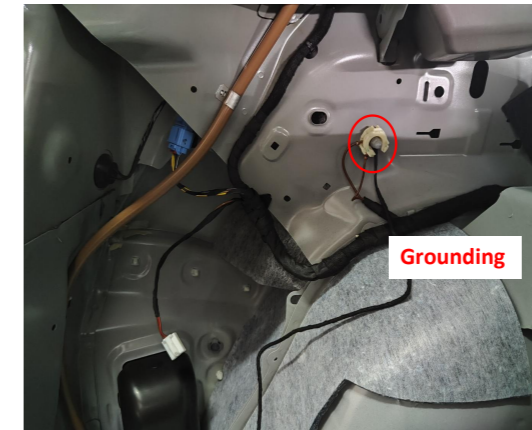


Connect with the original tailgate

18. Connect the plugs of lock signal harness with original tailgate switch.



19. Route the power harness.



Grounding

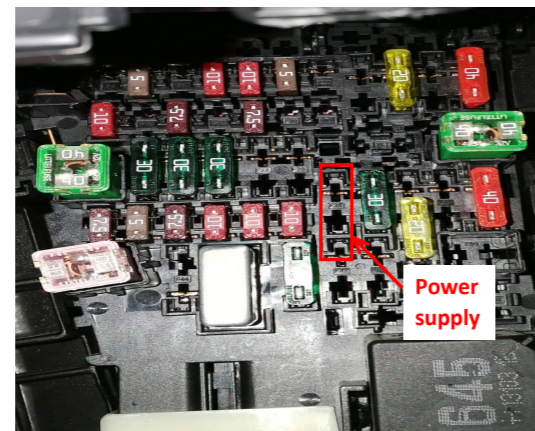
20. Ground at the indicated location on the left side of the trunk.



21. Connect the lock signal harness with CAN signal plugs inside the steering column panel.

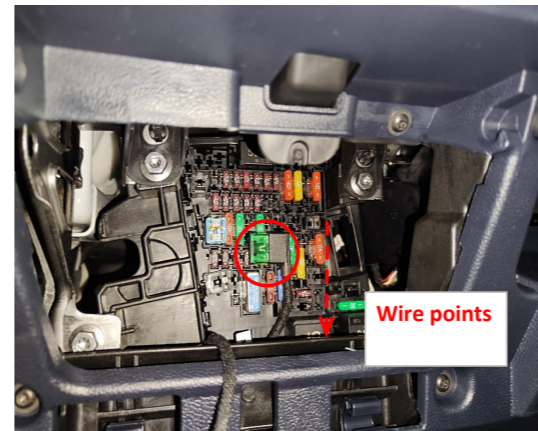
Check if all the plugs are connected properly.

22. Check if all the plugs are connected properly.



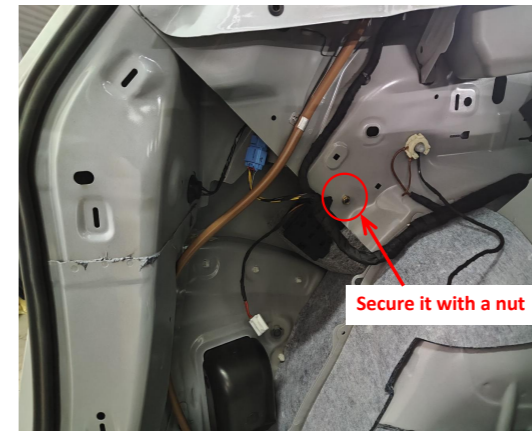
Power supply

23. The fuse slot for power supply is indicated above.



Wire points

24. Plug the fuse tap into the fuse box. Pay attention to the direction.

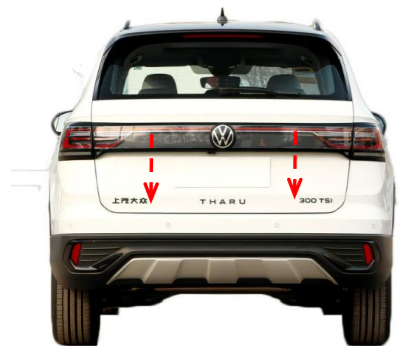


Secure it with a nut

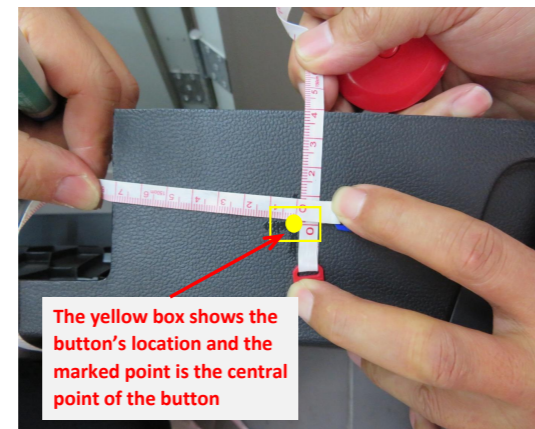
25. Secure ECU at the indicated position.



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

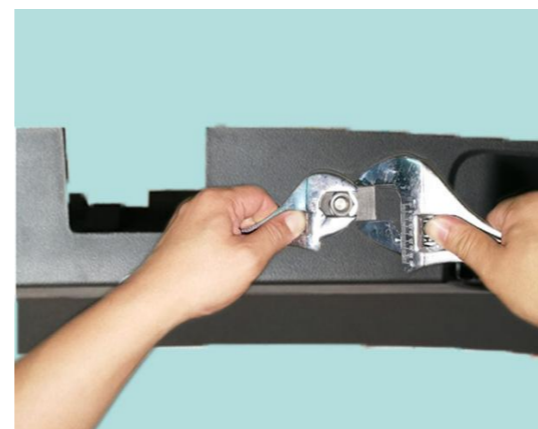


27. Press the added tailgate switch button to open and close the tailgate once for initializing the system, and then test each function of the electric tailgate.



The yellow box shows the button's location and the marked point is the central point of the button

28. Drill a hole at the indicated position with a $\phi 14$ mm drill bit.



29. Install the hole opener (one wrench holds the hole opener, the other turns the nut).



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

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.

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:
 - Long press the tailgate button on the remote key;
 - Press the unlock button at the driver's area 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.