Installation Manual

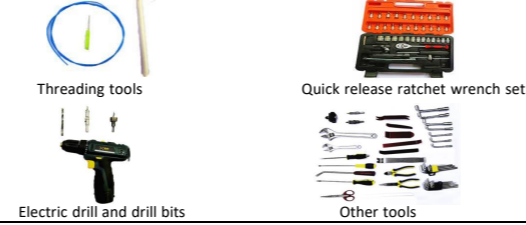| Compatible Model	CToyota CHarrier/CVenza
Year	2022

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

Threading tools

Quick release ratchet wrench set

Electric drill and drill bits

Other 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 side door sill panels, switch panel and the trim panel on the right side of the driver's seat.

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

3. Remove the front right side door sill panels and the trim panel on the left side of the passenger seat.

4. Take out the trunk floor mat and foam storage box. Remove the trim panels on the left side of the trunk to allow wiring harnesses to pass through.

5. Remove the tailgate trim panels.

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 car body.
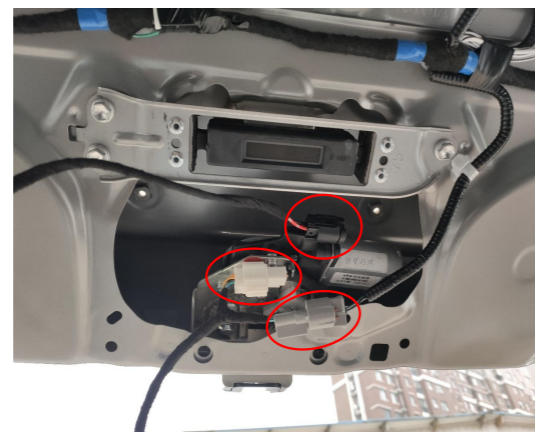
10. Thread the strut wiring harness through the hole into the tailgate and leave a certain length of rubber tube outside to prevent it from being bent during the movement of tailgate.
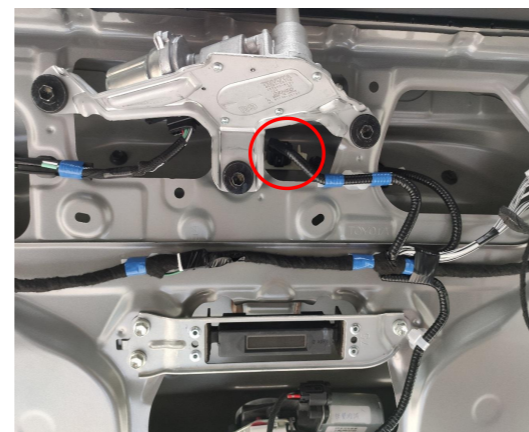
11. Route the strut wiring harnesses as indicated.

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

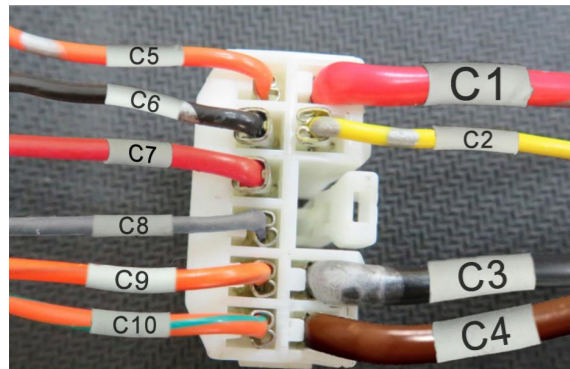13. Connect the plugs of the lock signal harness to the power latch.

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

15. Connect the plug of the lock signal harness to the added tailgate switch.
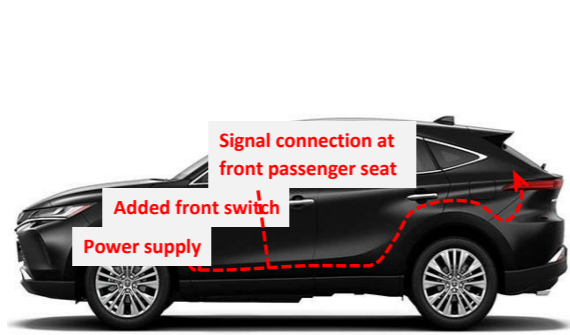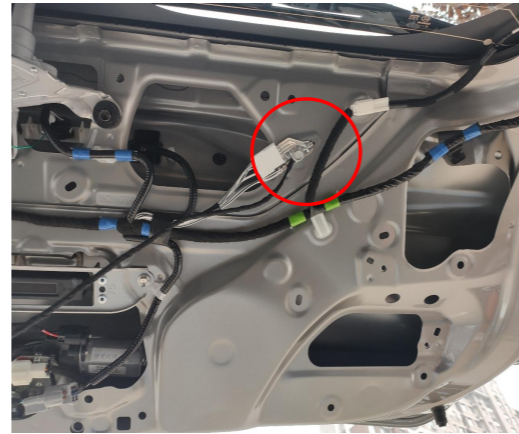
16. Thread the power harness to the tailgate.

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

17. Insert the power harness terminals into the wiring harness connector as shown above.
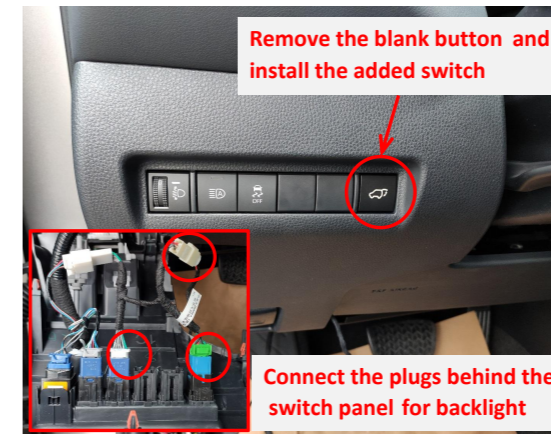

Signal connection at front passenger seat
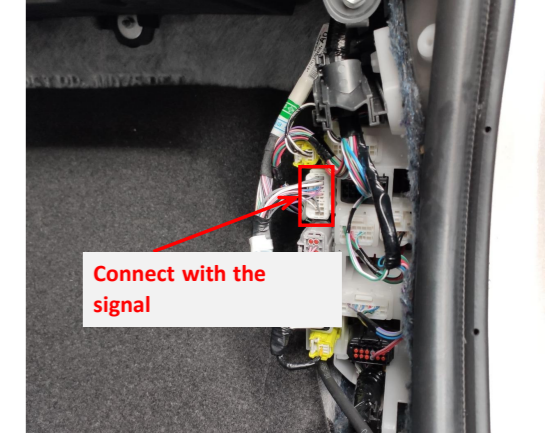Added front switch
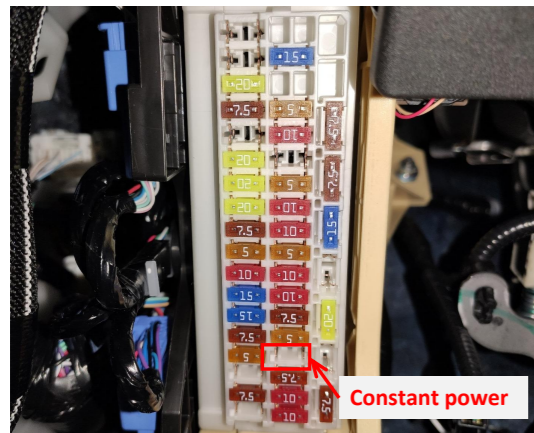Power supply

18. Route the power harness.
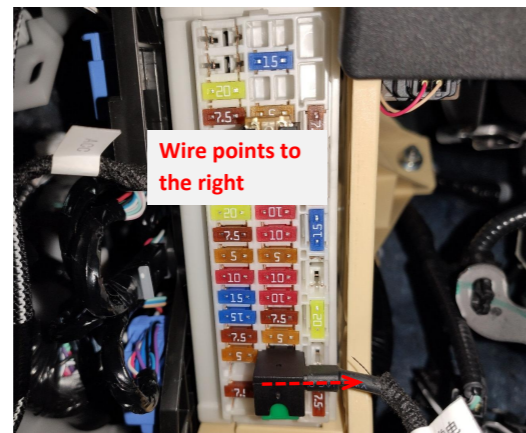

19. Ground at the left side of the tailgate.

Remove the blank button and install the added switch
Connect the plugs behind the switch panel for backlight

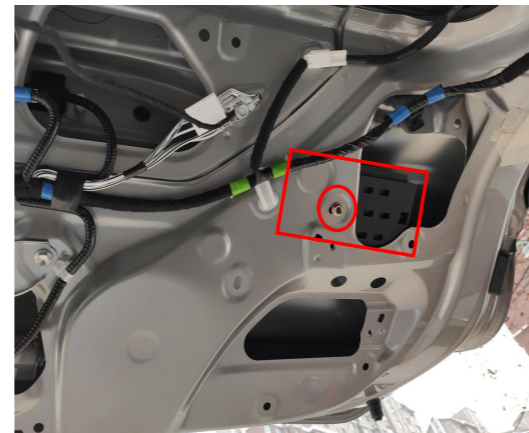20. Remove the blank button to install the front switch and connect the plugs behinds the switch for backlight.

Connect with the signal

21. Connect the power harness with the indicated signal plug and its socket at the right side of the passenger seat.

Constant power

22. The location of the fuse slot for power supply is indicated above
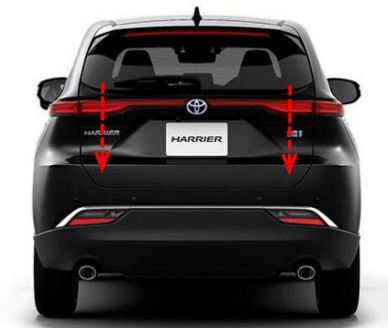

Wire points to the right

23. Plug the fuse tap into the fuse box with wire pointing to the right.

24. Secure the ECU bracket at the indicated position.

25. Insert the strut wiring harnesses ①②, lock signal harness ③, and power harness ④ into the ECU in sequence, and then mount the ECU onto its bracket.

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

27. Reinstall all trim panel and install the added tailgate switch (replace the original handle).

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 unlock button on the remote key 3 times;
●Press the added front switch button: press and hold for 4s to open and press once to close.
●Press the original tailgate switch button;
●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. 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 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.