

Installation Manual

Compatible Model	CToyota CRAV4
Year	2020-2024



8-ETTY-5077-00-00

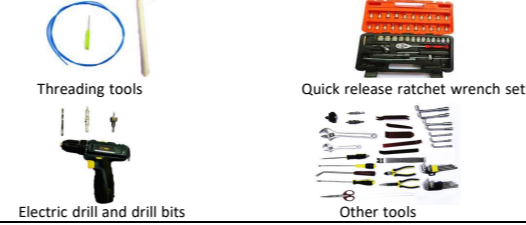
1. Points to note

- 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 front left side trim panel and door sill panel.



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



3. Remove the trim panel on the left side of the trunk (there are screws in the circles).



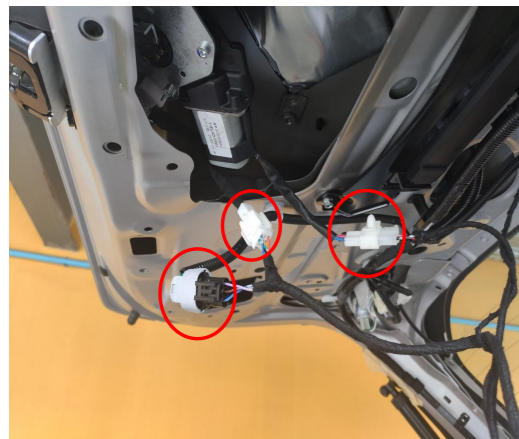
4. Remove the tailgate trim panels (there are screws in the circles).



5. Remove the original latch and install the power latch. If the mounting hole interferes with the latch, grind off the upper outer frame for installation.



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



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



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



9. Install the added tailgate switch (the switch shown above is for test, and the actual switch may be different).



10. Remove the gas struts.



11. Replace the left body bracket.



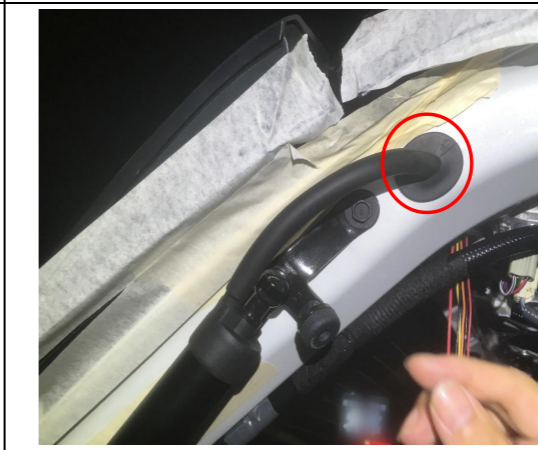
12. Replace the right body bracket.



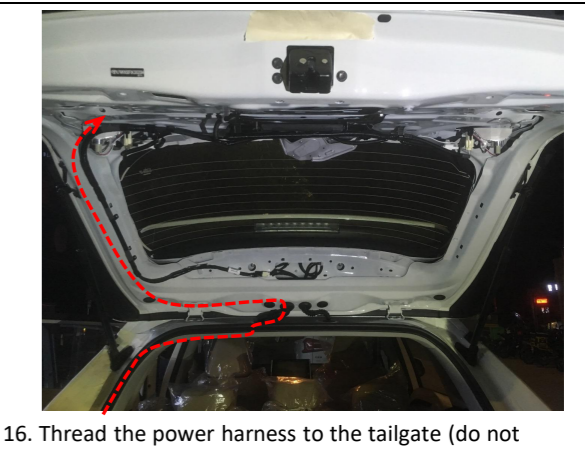
13. Install the electric struts, L on the left and R on the right (the first letter of the strut code).



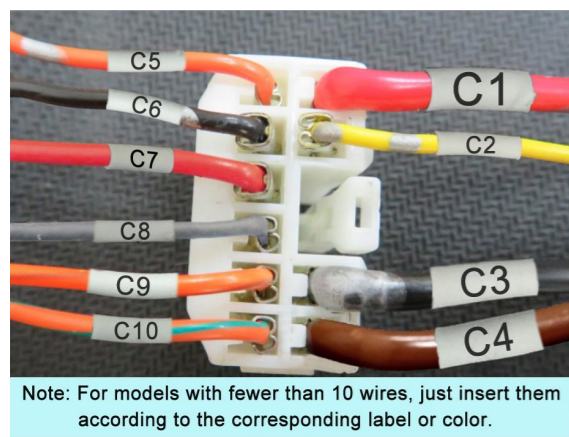
14. Thread the strut wiring harnesses through the original car holes and route them as shown above.



15. Plug the left and right holes with rubber plugs.

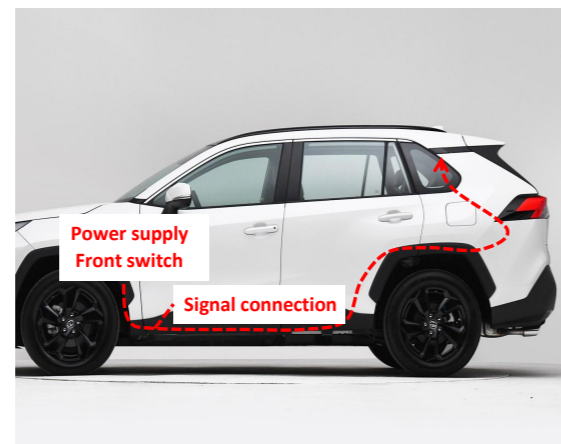


16. Thread the power harness to the tailgate (do not connect plugs before inserting terminals into the wiring harness connector).



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.



Power supply
Front switch
Signal connection

18. Route the power harness.



Grounding

19. Ground at the left side of the trunk.

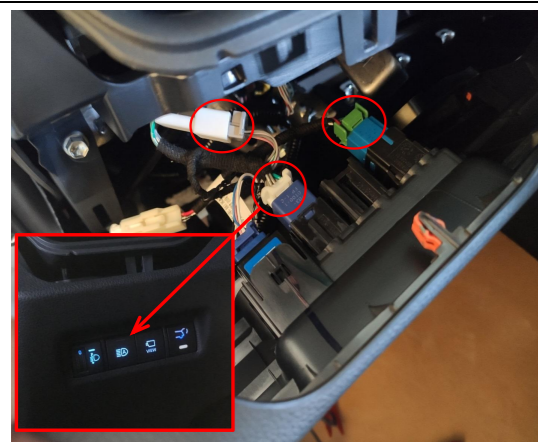


20. Connect the power harness to the signal plug and its mounting bracket.



Remove the blank button before installing the front switch

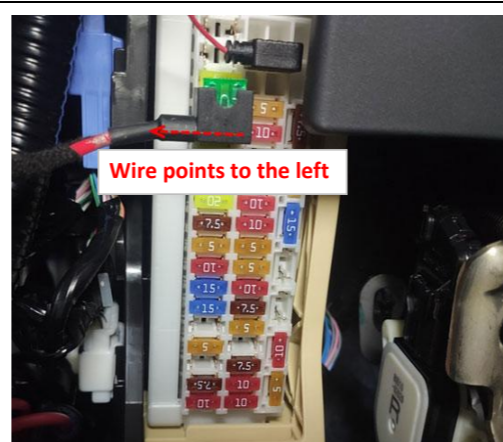
21. Install the added front switch at the reserved place of the switch panel.



22. Connect the indicated plugs for backlight.

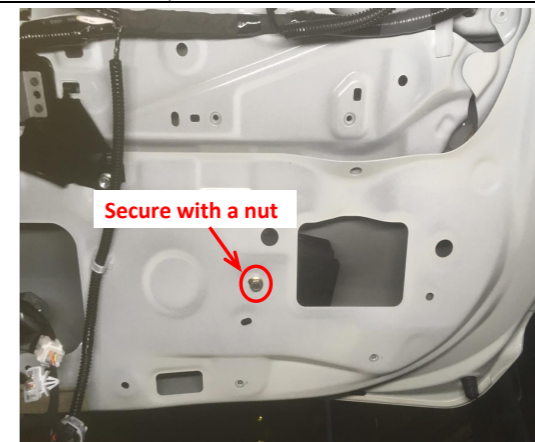


23. The constant power fuse slot.



Wire points to the left

24. Plug the fuse tap into fuse box and pay attention to the direction of the wire.



Secure with a nut

25. Fix the ECU bracket to the indicated hole at the left side of the tailgate.



26. Insert the strut wiring harnesses ① ②, lock signal harness ③, and power harness ④ into the ECU in sequence and then mount the ECU on its bracket.



27. Initialize the system once, and then test each function of the electric tailgate.



After removing

28. Remove the indicated tailgate handle (After removing part A, unscrew the screws, and then remove part B).



29. Fit the trim panel of our tailgate switch in (do not install the screw) and mark the indicated position for hole opening.



30. After opening the hole, pull out the plug of the tailgate switch.



31. Install the tailgate switch trim panel (install the screw) and the tailgate switch.



32. Install the bottom trim panel.

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 unlock button at the driver's area 3 times;
- Press the original tailgate switch button;
- Press the added tailgate switch button to close;
- Press the added front switch button: press and hold for 4s to open and press once 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.