

Installation Manual

Compatible Model	CToyota CSienna
Year	2021-2023



8-ETTY-5100-00-00

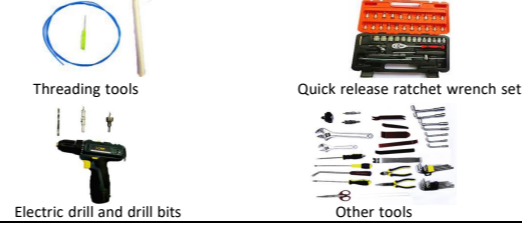
1. Points to note

- 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 front switch	1	
⑥	Added tailgate switch	1	
⑦	Other parts (screws, brackets, etc.)	1 set	Omitted



1. Remove the front left door sill panels, switch panel and storage box.



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



3. Remove the trim panels on the left side of the trunk.



4. Remove the tailgate trim panels (there are two small trim panels with screws at the circled position).



5. Remove the original gas struts.



6. Replace the left body bracket.



7. Replace the right body bracket.



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



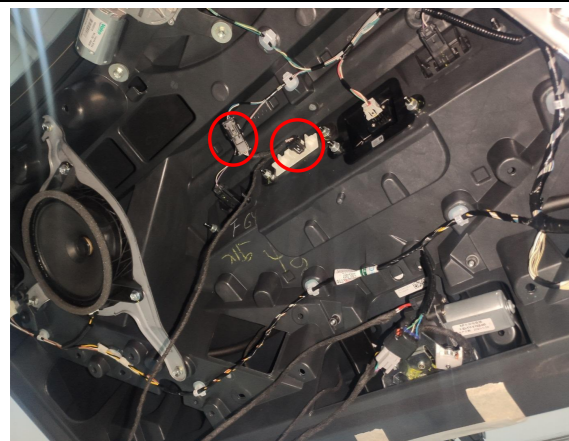
9. Thread the strut wiring harness through the original car hole into the tailgate, plug the hole tightly and then place the rubber tube between the bump stop and the tailgate.



10. Route the strut wiring harnesses.



11. Replace the original latch with our power latch.



12. Connect the lock signal harness to the handle switch.



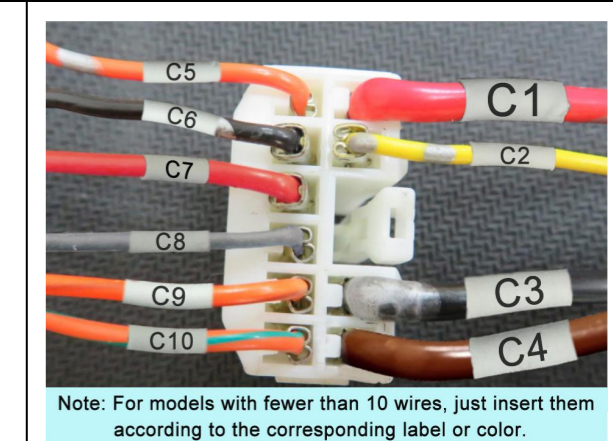
13. Connect the lock signal harness to the plugs of the power latch.



14. Connect the lock signal harness to the added tailgate switch.

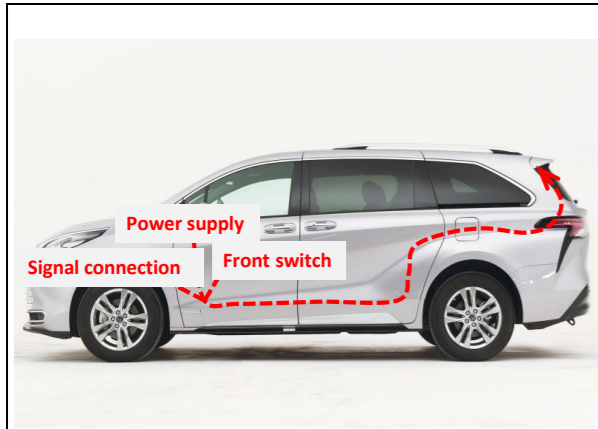


15. Route the power harness to the tailgate (no plug connection before inserting terminals into wiring harness connector).

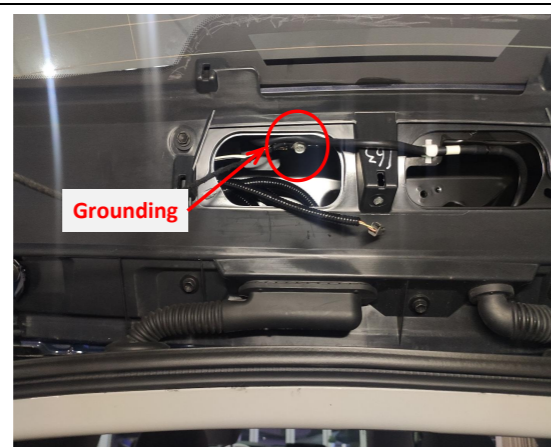


Note: For models with fewer than 10 wires, just insert them according to the corresponding label or color.

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



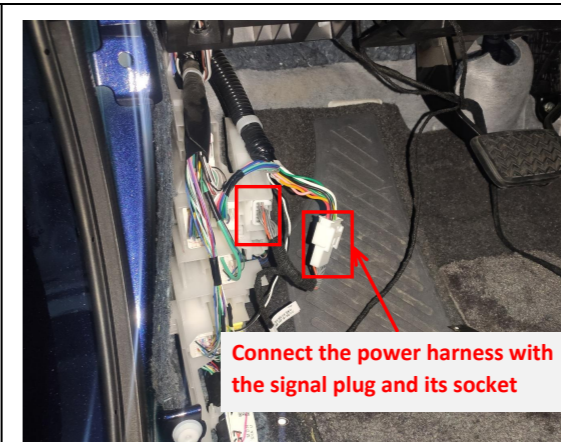
17. Route the power harness.



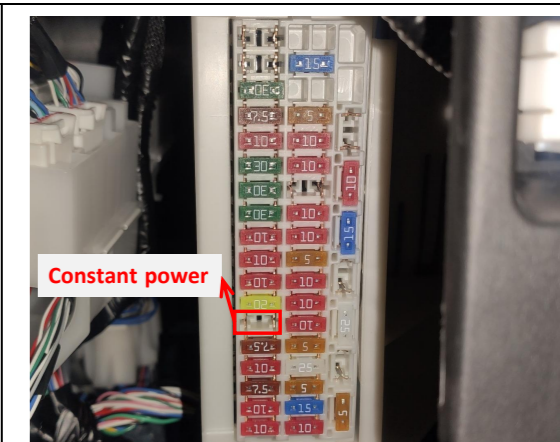
18. Ground at the top of the tailgate as indicated above.



19. Remove the blank button from the switch panel to install the added front switch and then connect proper plugs for backlight behind the switch panel.



20. Connect the power harness with the indicated signal plug and its socket beside the pedals.



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



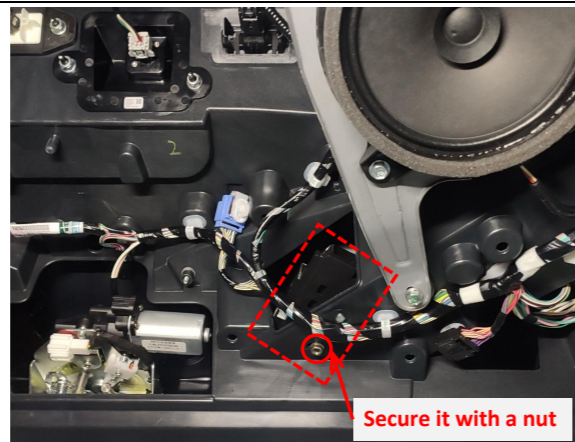
22. Plug the fuse tap into the fuse box and pay attention to the direction.

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.



23. Place the ECU bracket at the indicated position and secure it with a nut.



24. 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.



25. Press the tailgate buttons to open and close the tailgate once, the system completes initialization, and then test each function of the electric tailgate.



26. Reinstall all the trim panels and install the added tailgate switch.

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.