

Installation Manual

Compatible Model	CToyota CNoah 80 (RHD)
Year	2017



8-ETTY-5102-00-00

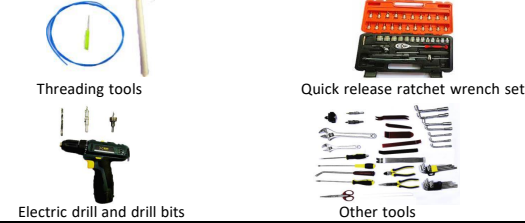
1. Points to note

- 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 buckles 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 tailgate trim panels.



2. Remove the front right side door sill panel and switch panel.



3. Remove the rear right side door sill panel.



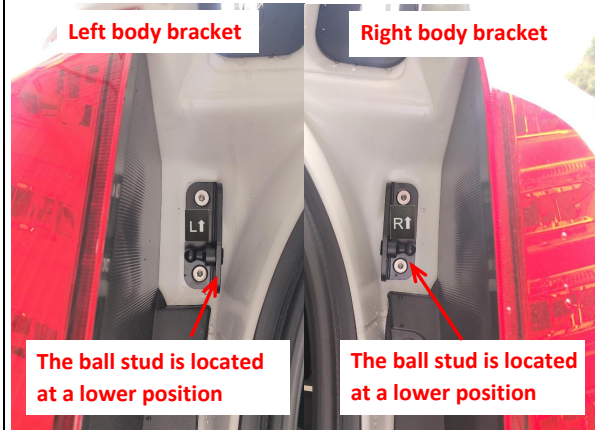
4. Remove the front left side trim panel and door sill panel.



5. Remove the trim panel on the left side of the trunk to allow wiring harnesses to pass through.



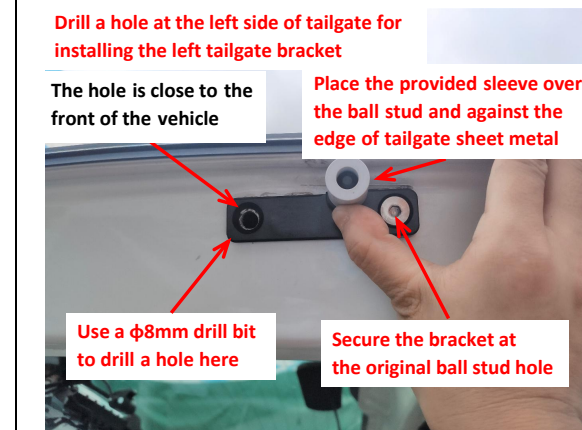
6. Remove the original gas struts.



7. Install the brackets on both sides of the trunk and pay attention to the position of the ball stud.



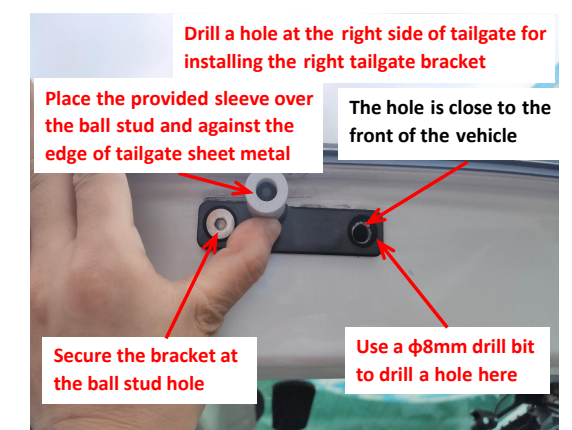
8. Remove the left and right ball studs.



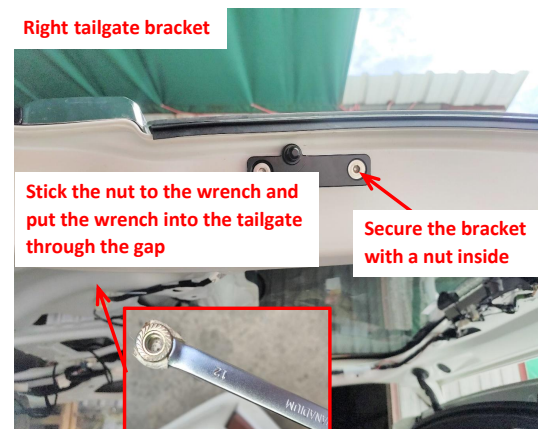
9. Drill a hole at the left side of the tailgate and for the left tailgate bracket.



10. Install the bracket at the left side of the tailgate and fasten the other end of the bracket with a nut.



11. Drill a hole at the right side of the tailgate and install the left tailgate bracket.



12. Install the bracket at the right side of the tailgate and fasten the other end of the bracket with a nut.



13. 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 harness are on the tailgate.



14. Use a 21mm drill bit to drill a hole at the indicated position of the tailgate to allow the strut wiring harness to pass through. Both sides are the same.



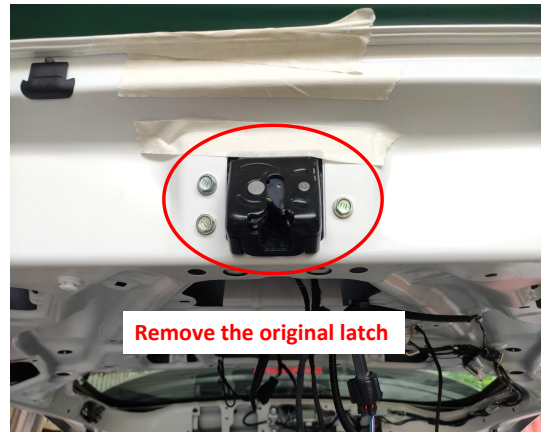
15. Thread the left and right strut wiring harnesses into the tailgate.



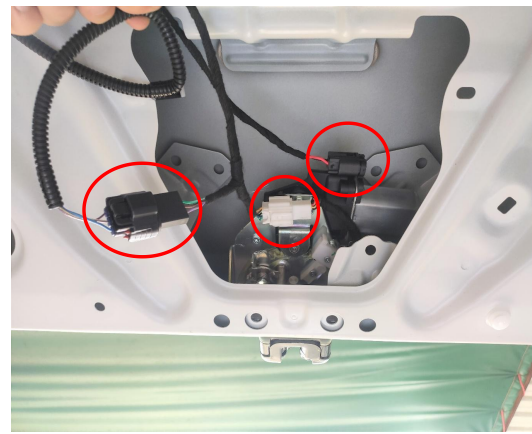
16. Plug the holes on the left and right sides of the tailgate with the hole plugs.



17. Remove the original latch and try to install our power latch. If there is any interference, grind off the lower edge of the hole.



18. Install our power latch.



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

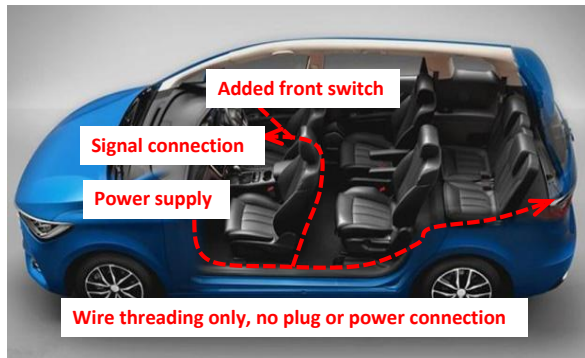


Two pairs of plugs are reserved for different models. Choose the correct one pair.

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



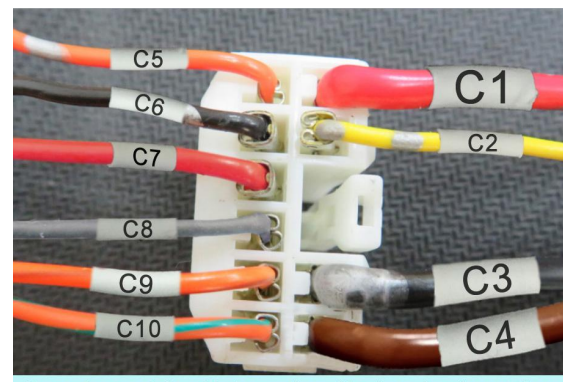
21. Remove the original small panel from the tailgate and install the added tailgate switch.



22. Route the power harness as indicated.

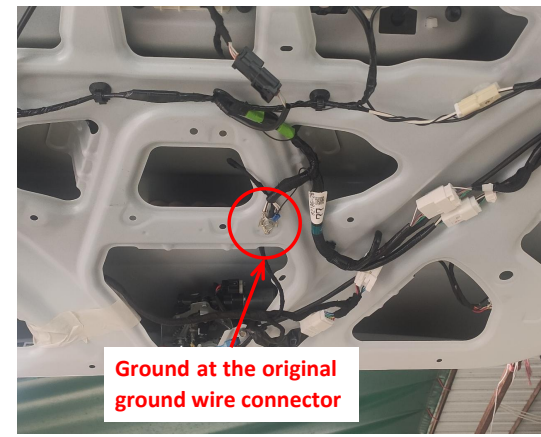


23. Thread the power harness to the tailgate.



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

24. Insert the power harness terminals into the wiring harness connector according to the diagram.



Ground at the original ground wire connector

25. Ground at the original ground wire connector.

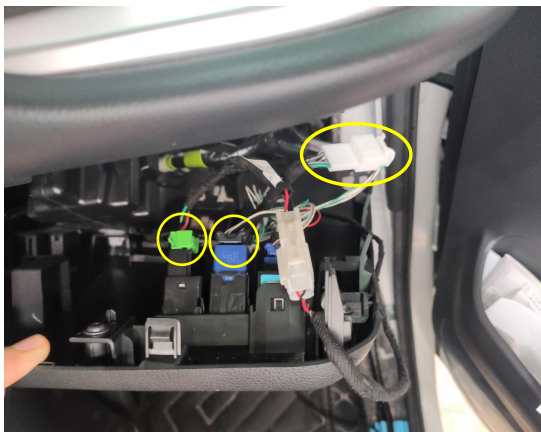


26. Route the plugs of the front switch wiring harness and the signal plugs to the driver's position.



Remove the blank button from the switch panel and install the front switch button

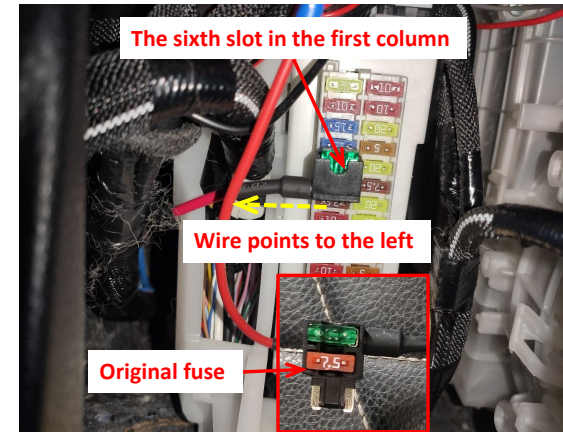
27. Remove the blank button from the switch panel and install the added front switch.



28. Connect the plugs for backlight behind the switch panel.



29. Connect the signal plugs of the power harness to the indicated plug and its socket beside the pedals.

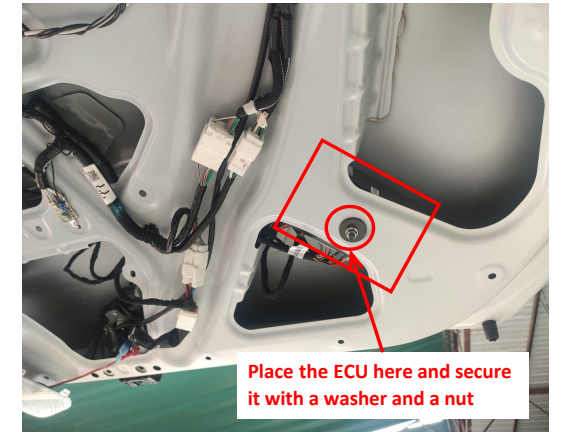


The sixth slot in the first column

Wire points to the left

Original fuse

30. The fuse box is located in front of the passenger seat and the fuse slot for power supply is indicated above.



Place the ECU here and secure it with a washer and a nut

31. Secure the ECU at the indicated hole on the right side of the tailgate.



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



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



Reinstall all the trim panels

34. 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 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. 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.