Installation Manual

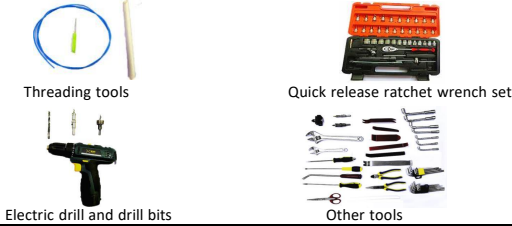| Compatible Model	**CN**issan **CX**-Trail
Year	2022-2023

8-ETNS-5003-00-00

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

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 parts (screws, brackets, etc.)	1 set	Omitted

1. Remove the front left door sill panel and the trim panel of fuse box.

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

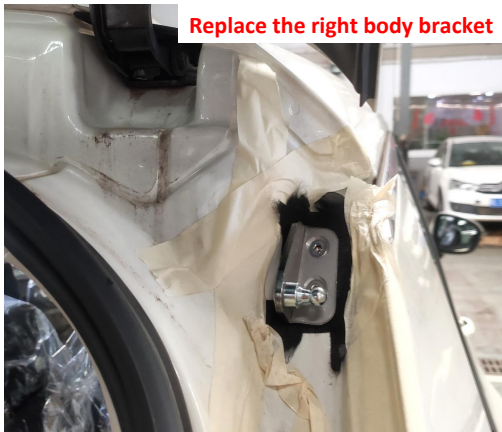3. Remove the trim panels on the left side of the trunk and the trunk floor mat.

4. Remove the tailgate trim panels.

5. Remove the original gas struts.

Replace the left body bracket

6. Replace the bracket on the left side of the car body.

Replace the right body bracket

7. Replace the bracket on the right side of the car body.

Washer of original ball stud

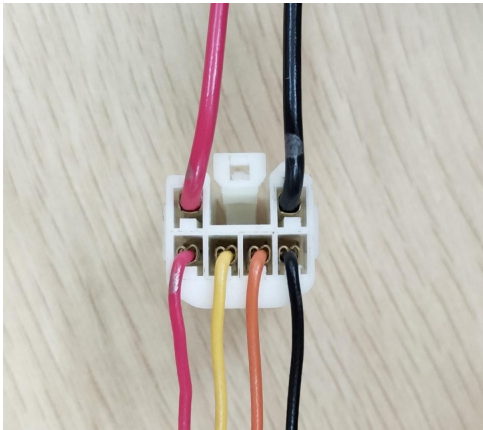8. Replace the ball studs on both sides and place the original washers under them.

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 tailgate.

10. Drill a hole at the indicated position with the φ21mm drill bit to allow the strut wiring harness to pass through.

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

12. Insert the strut wiring harness terminals into the connector as shown above.
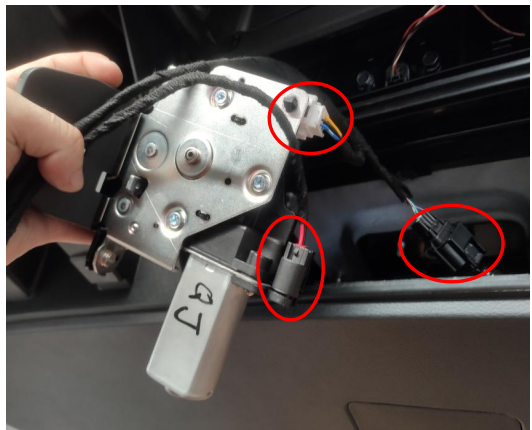

Routing only, no plug connection

13. Route the lock signal harness to the left side of the trunk.

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 as shown above.

15. Remove the origin latch.
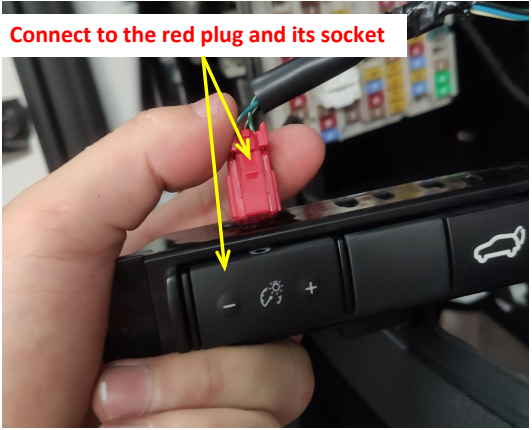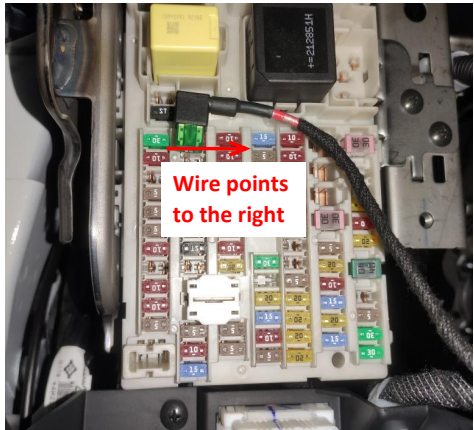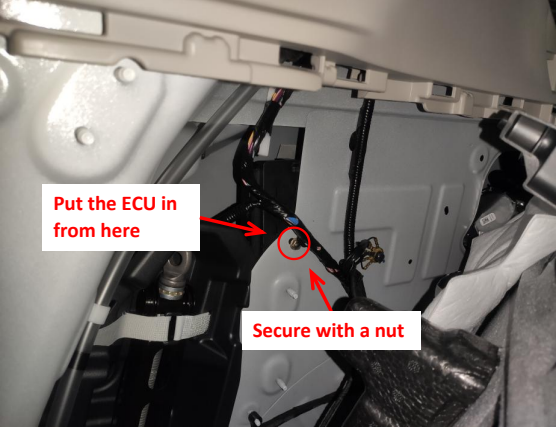

16. Connect the lock signal harness to the plugs of the power latch.

17. Install the power latch.	**Connect to the plugs of original tailgate switch** 18. Connect the lock signal harness to the plugs of original tailgate switch.	**Front switch** **Power supply** **B-pillar signal** **Grounding** 19. Route the power harness.	**Grounding** 20. Ground at the left side of the trunk.	**Front switch** 21. Remove the blank button from the indicated position and install the front switch button.
Connect to the red plug and its socket 22. Connect to the red plug and its socket for backlight.	**Connect to the B-pillar plugs** 23. Connect the power harness to the indicated B-pillar plugs.	**Constant power** **Wire points to the right** 24. The fuse slot for power supply is indicated above.	25. Plug the fuse tap into the fuse box. Pay attention to the direction.	**The screw on the bracket can be adjusted freely. Find an appropriate installation position .** 26. Remove the bracket from ECU, place a screw on it and mount the ECU onto the bracket.
Remove 27. Remove the indicated wire clip at the left side of the trunk.	**Put the ECU in from here** **Secure with a nut** 28. Install the ECU and secure it with nut.	① ② ③ ④ 29. Insert the left and right strut wiring harnesses ①②, lock signal harness ③, and power harness ④ into the ECU in sequence.	30. Press the added tailgate switch to close the tailgate, and open it to complete the system initialization. Then test each function of the electric tailgate.	**Remove** 31. Remove the indicated small panel.
32. Install the added tailgate switch and reinstall all 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; ●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.		