Vehicle-Specific Power Tailgate Lift System



Nissan X-Trail

2022-2025

Part no. ARNXTR22

Points to Note

- For safety and to ensure proper product use, we recommend professional installation. Do not attempt to disassemble or install the system yourself, as this may result in product damage or personal injury.
- Route each wire harness according to the instructions in this manual, securing them to the vehicle's factory harnesses with cable ties. Ensure the wiring is kept clear of fasteners and screw holes to prevent the harnesses from being crushed or pinched by trim panel clips and screws during reassembly.
- Some wire harness terminals (indicated by the red ellipses below) are left disconnected during manufacturing. Please insert these terminals into their corresponding connectors before routing the harnesses to prevent short circuits. Once routed, connect the remaining harness plugs (indicated by the blue ellipses) to the vehicle's factory plugs.



- Before beginning installation, inspect the vehicle's instrument panel display, verify that all buttons, doors, and windows operate correctly, and check for any pre-existing scratches on the interior or exterior. Report any issues to the customer immediately.

Installation Precautions

- Remove any metal accessories or hard objects from your person during installation to prevent damaging the vehicle's paint, seats, or interior. Carefully store all removed trim components in a safe location to avoid scratches.
- The illustrations in this manual are for reference only. While specific vehicle configurations may vary slightly from the pictures, the general installation methods remain the same.

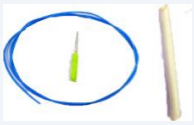
In the Box

1		Strut	Qty 2
2		Tailgate ECU	Qty 1 set
3		Wire harness	Qty 1 set
4		Power latch	Qty 1
5		Tailgate switch	Qty 1

Other Accessories

Screws, brackets

Recommended Tools



Threading tools



Quick release ratchet wrench set



Electric drill and drill bits



Other tools

Notice

This vehicle-specific kit converts the manual tailgate on the vehicle listed in this manual to power operation. Installation requires a good level of technical knowledge. Please read this manual in its entirety before you start.

Use the correct tools during installation to prevent damage to the vehicle or the product. Please note that we cannot be held liable for any issues arising from improper installation.

Before starting the installation, disconnect the negative battery terminal and make sure the ignition is off and the key is removed or kept away from the vehicle.

Installation



1 Remove the driver's side door sill panel and the fuse box trim panel.



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



3 Remove the trim panels on the right side of the boot and the boot floor mat.



4 Remove the tailgate trim panels.



5 Remove the factory gas struts. To do this safely, remove and replace one strut at a time.



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



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



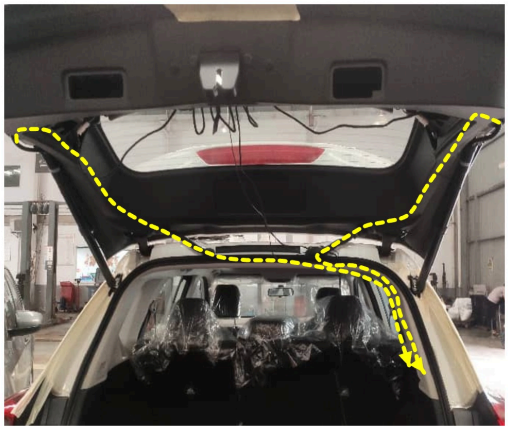
8 Replace the ball studs on both sides, placing the factory washers underneath.



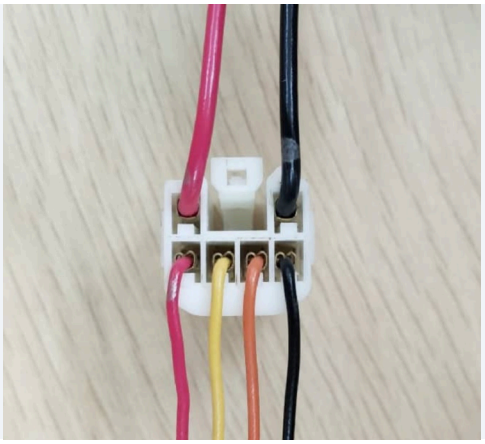
9 Install the electric struts(L for the left side, R for the right side, as indicated by the first letter of the strut code).



10 Drill a 21mm hole at the indicated position to allow the strut wire harness to pass through.



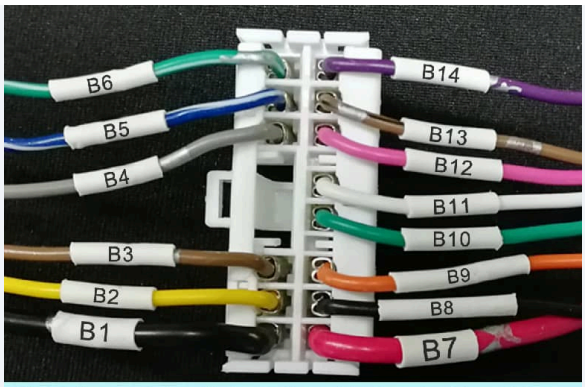
11 Route the left and right strut wire harnesses to the right side of the boot.



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

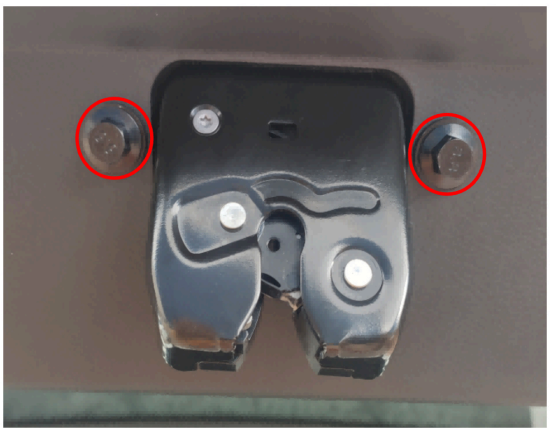


13 Route the lock signal harness to the right side of the boot.

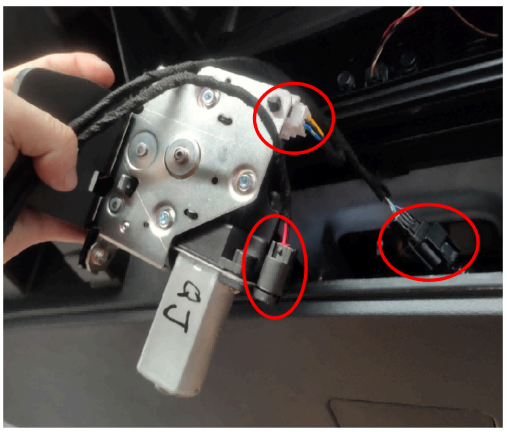


Note: For models with fewer than 14 wires, just insert them according to the corresponding label or color.

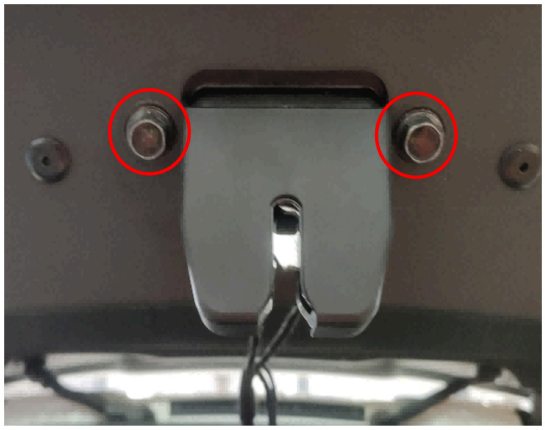
14 Insert the lock signal harness terminals into the connector as shown above.



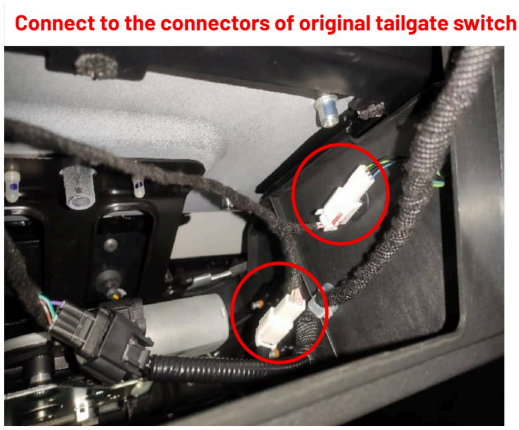
15 Remove the factory latch.



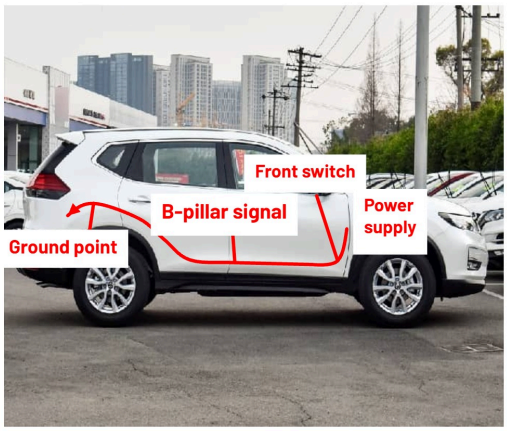
16 Connect the connectors of the lock signal harness to the power latch.



17 Install the power latch.



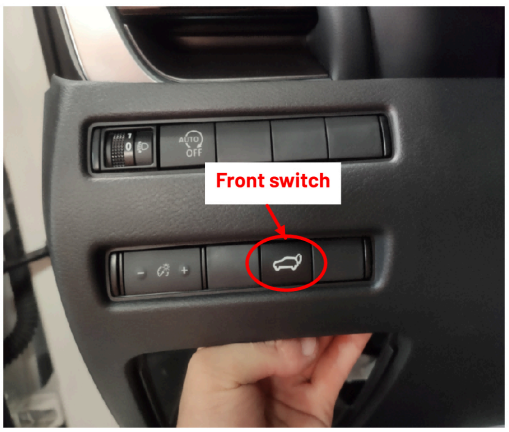
18 Connect the connectors of the lock signal harness to the factory tailgate switch.



19 Route the power harness.



20 Secure the ground wire connector to the factory grounding point on the left side of the boot.



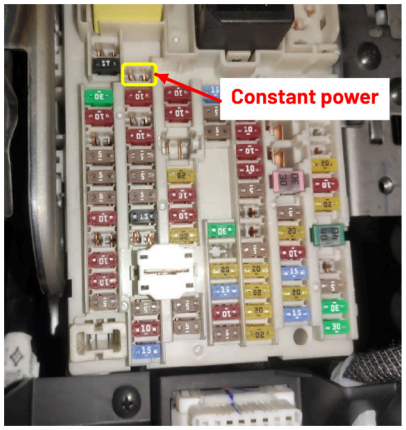
21 Remove the blank button from the indicated position and install the front switch.



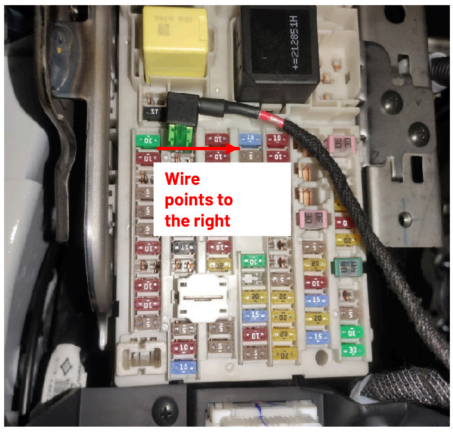
22 Connect the red connector for the backlight.



23 Connect the power harness to the indicated B-pillar connectors.



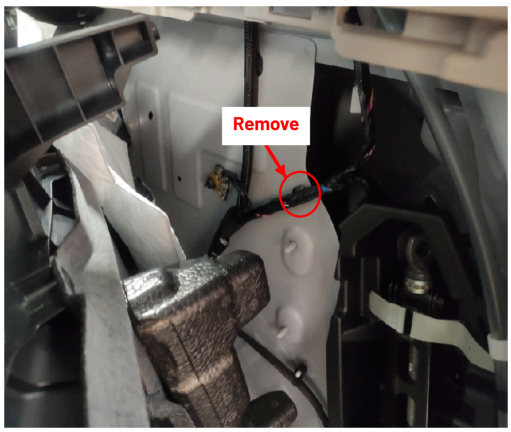
24 The power supply fuse slot is indicated above.



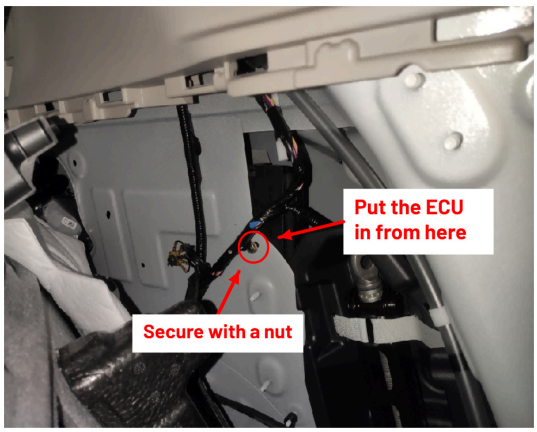
25 Plug the fuse tap into the fuse box, taking care to observe the correct orientation.



26 Remove the bracket from the tailgate ECU, attach a screw, then mount the tailgate ECU onto the bracket.



27 Remove the indicated wire clip on the left side of the boot.



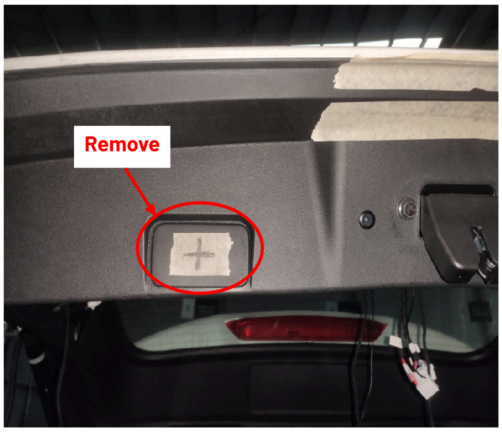
28 Install the tailgate ECU and secure it with a nut.



29 Insert the left and right strut wire harnesses ①②, lock signal harness ③, and power harness ④ into the tailgate ECU in sequence.



30 Press the new tailgate switch to close the tailgate, then open it to complete system initialisation. Test each function of the electric tailgate.



31 Remove the indicated small panel.



32 Install the new tailgate switch and reinstall all trim panels.

System Initialisation

1. Press the newly installed tailgate switch to close the tailgate automatically.
2. Press the exterior tailgate switch to open it; you will hear a long beep.
3. System initialisation is now complete.

Operating Instructions

1. Opening and Closing the Tailgate:
   - Press the unlock button on the remote key 3 times.
   - Press the unlock button in the driver's area 3 times.
   - Press the exterior tailgate switch.
   - Press the newly installed tailgate switch.
   - Press the front switch: press and hold for 4 seconds to open, or press briefly to close.

2. Pausing the Tailgate:

   While the tailgate is in motion, press any of the control buttons to pause it. Pressing a button again will reverse the tailgate's direction.

3. Memorising the Height:

   Open the tailgate to the desired height. Press and hold the newly installed tailgate switch, then release it when you hear a long beep. The height is now memorised.

   Tip: While the tailgate is moving, pause it, then push it by hand to the desired height.

Buzzer Sound Indicators

One Beep: The tailgate has received an open, close, or pause signal and will respond immediately.

Two Beeps: The tailgate is fully opened or fully closed.

Three Beeps: The tailgate encountered excess resistance; the intelligent anti-pinch safety feature has been activated.

Long Beep: The height is now memorised.

Technical Support

If you need help setting up or using your Aerpro product, now or in the future, call Aerpro Support Australia on 03 8587 8889, Monday to Friday, 9am to 5pm AEST.

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