Vehicle-Specific Power Tailgate Lift System

Nissan Pathfinder

2016

Part no. ARNPFD16



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 trim panels and door sill panel as indicated. Remove the front passenger door sill panel.



2 Remove the rear left door sill panels.



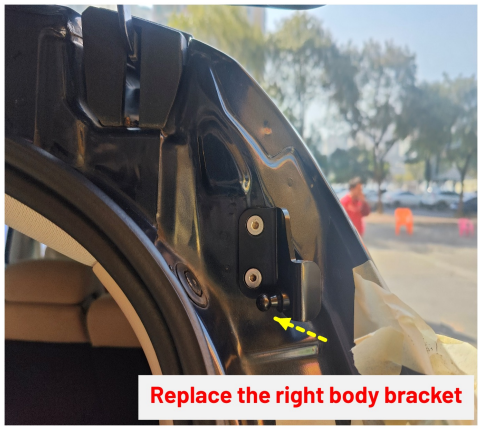
3 Remove the tailgate trim panels.



4 Remove the trim panel on the left side of the boot to allow wire harnesses to pass through.



5 Fit the left body bracket, ensuring correct orientation.



6 Fit the right body bracket, ensuring correct orientation.



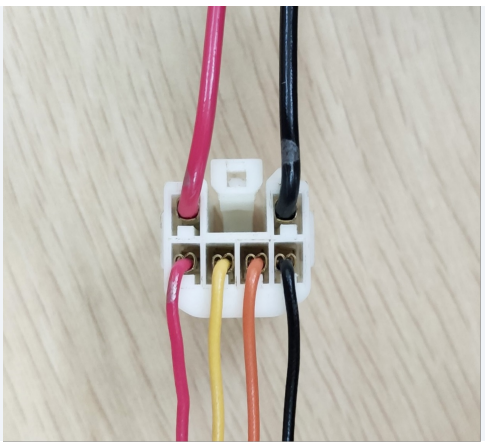
7 Fit the tailgate brackets with the ball studs facing inward on both sides.



8 Install the electric struts (L for the left side, R for the right side, as indicated by the first letter of the strut code). The end with the wire harness should face the car body.



9 Route the strut wire harnesses to the tailgate (routing only; do not insert terminals yet).



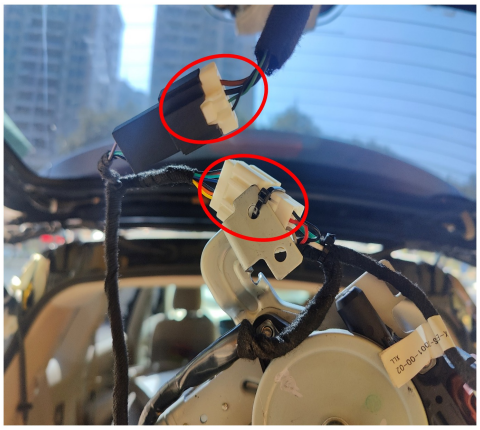
10 Insert the strut wire harness terminals into the connector as shown in the diagram.



11 Seal the hole with a grommet on both sides.



12 Remove the factory latch.



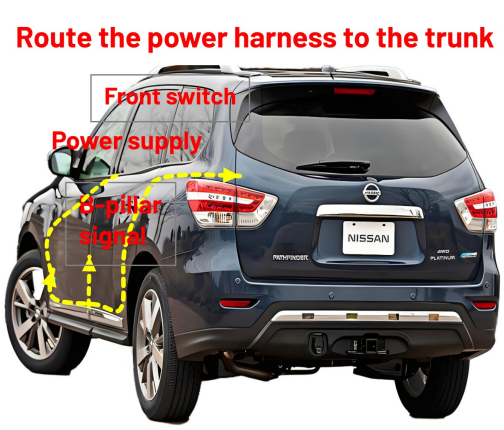
13 Connect the lock signal harness connectors to the power latch.



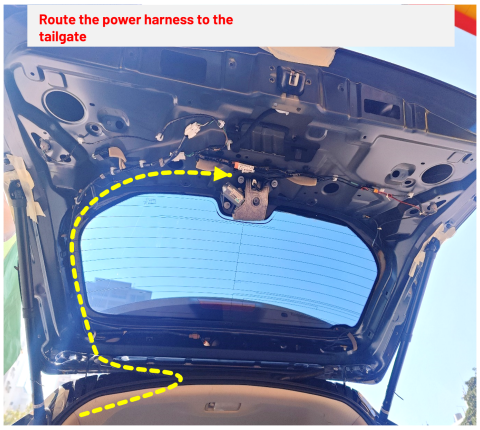
14 Connect the lock signal harness connectors to the factory tailgate switch.



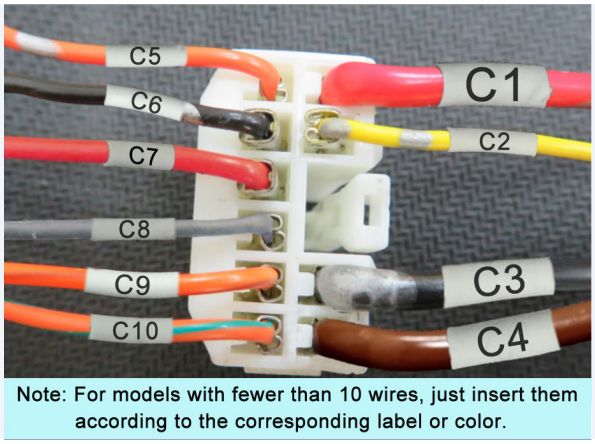
15 Install the power latch.



16 Route the power harness to the boot.

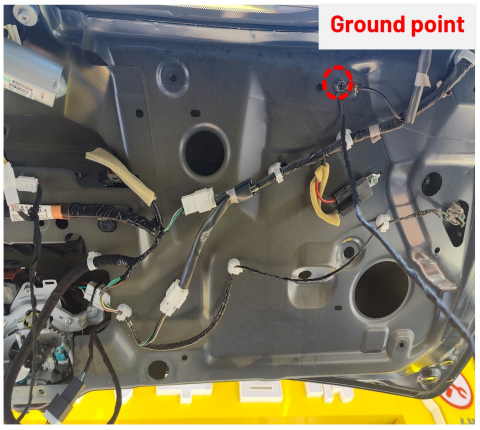


17 Route the power harness to the tailgate (routing only; do not insert terminals yet).

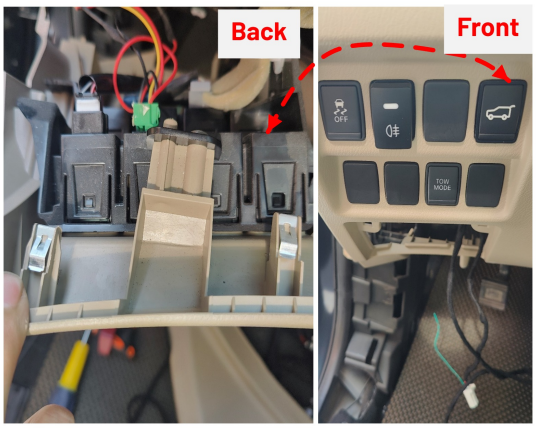


Note: For models with fewer than 10 wires, just insert them according to the corresponding label or color.

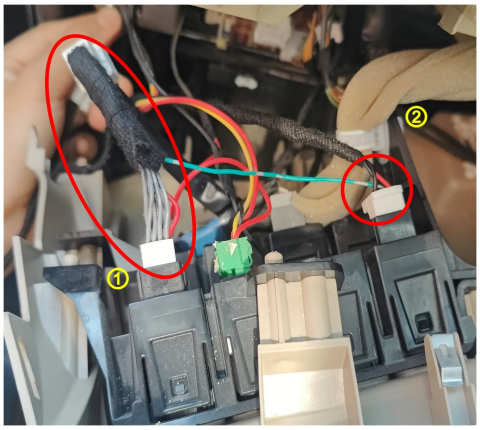
18 Insert the power harness terminals into the connector as shown in the diagram.



19 Connect the ground wire at the indicated location.



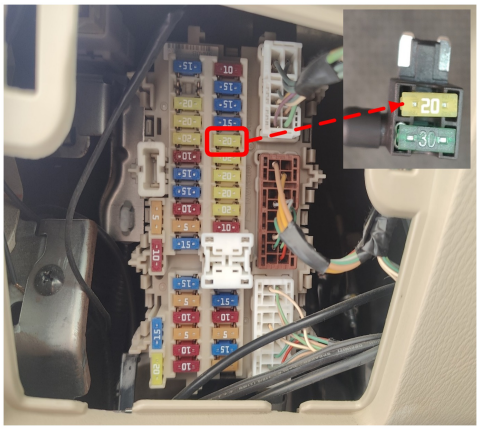
20 Remove the blank button from the switch panel and install the front switch.



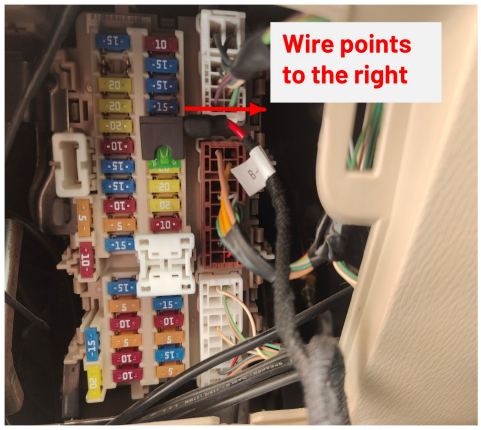
21 Connect connector① for the button light and connector② for the front switch.



22 Connect to the B-pillar signal connectors.



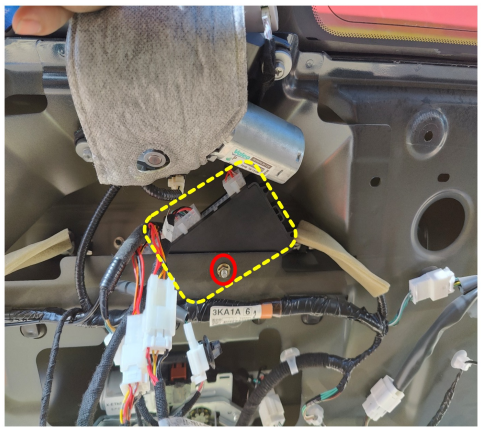
23 Move the indicated fuse from the fuse box to the fuse tap.



24 Plug the fuse tap into the fuse box, ensuring correct orientation.



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



26 Secure the tailgate ECU to the cable clip at the indicated hole.



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



28 Remove the tailgate handle trim and install the new tailgate switch.

System Initialisation

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

Operating Instructions

1. **Methods to Open and Close 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 factory tailgate switch.
   - Press the newly installed tailgate switch.
   - Press and hold the front switch for 4 seconds.
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.

Configuring the Tailgate Switch Settings

1 Adjusting Closing Speed

Press and hold the newly installed tailgate switch until you hear a single short beep. Release the button; a short beep confirms the new closing speed is set. (There are five speed settings. Repeat this process to increase the speed by one level.)

2 Adjusting Opening Speed

Press and hold the newly installed tailgate switch until you hear two short beeps. Release the button; two short beeps confirm the new opening speed is set. (There are five speed settings. Repeat this process to increase the speed by one level.)

3 Setting the Maximum Opening Height

Press and hold the newly installed tailgate switch until you hear three short beeps. Release the button; three short beeps confirm the height setting is complete. Tip: While the tailgate is moving, pause it, then push it to the ideal height.

4 Remote Key Unlock Button Sensitivity (Quick/Slow Press)

Press and hold the newly installed tailgate switch until you hear four short beeps. Release the button; four short beeps confirm the press-sensitivity setting is complete.

5 Switching Between 2 and 3 Presses of the Remote Key Button

Press and hold the newly installed tailgate switch until you hear five short beeps. Release the button; a long beep confirms the press-count setting is complete.

6 Adjusting Braking Force

Press and hold the newly installed tailgate switch until you hear six short beeps. Release the button; two long beeps confirm the braking force has increased. (There are five speed settings. Repeat this process to increase the braking force by one level.)

7 Factory Reset

Press and hold the newly installed tailgate switch until you hear seven short beeps. Release the button; three long beeps confirm the reset is complete.

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 memory setting is complete.

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.

To download a digital copy of this manual, or other Aerpro manuals and software, visit aerpro.com.