Vehicle-Specific Power Tailgate Lift System



Toyota Corolla Cross

2022-2024

Part no. ARTCRC22

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.

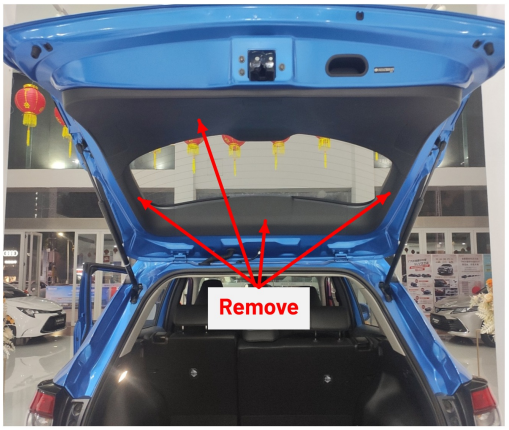
Installation



1 Remove the indicated driver side trim panels and the front passenger side door sill panel.



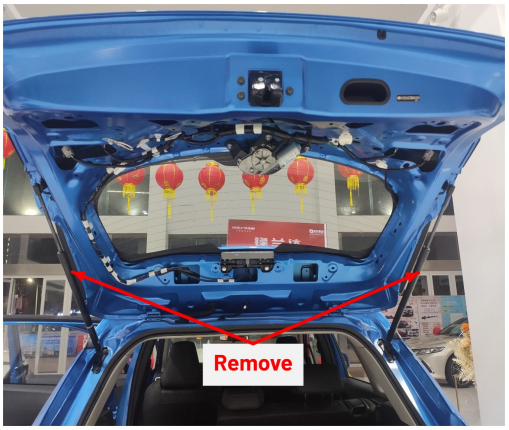
2 Remove the rear left side door sill panel and B-pillar trim panel.



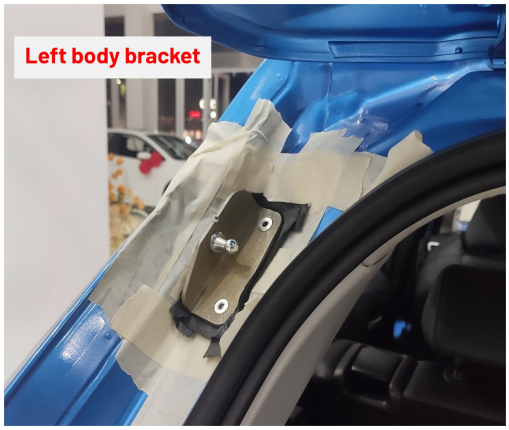
3 Remove the tailgate trim panels.



4 Remove the trim panels on the left side of the boot.



5 Remove the original 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.



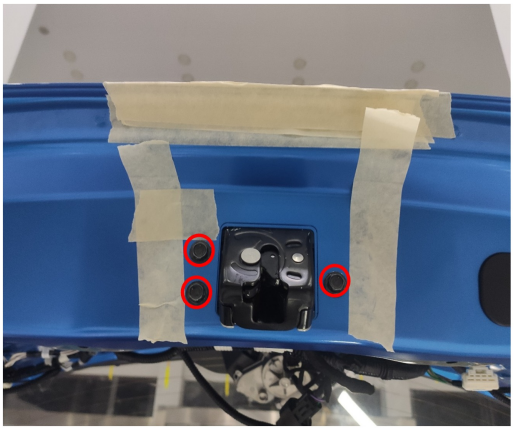
8 Install the electric struts, L on the left and R on the right (the first letter of the strut code), making sure the ends with wire harnesses are on the tailgate.



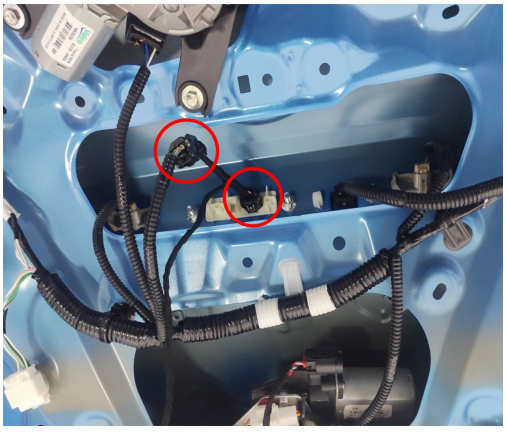
9 Drill a hole at the indicated location with a 21mm drill bit to allow the strut wire harnesses to pass through.



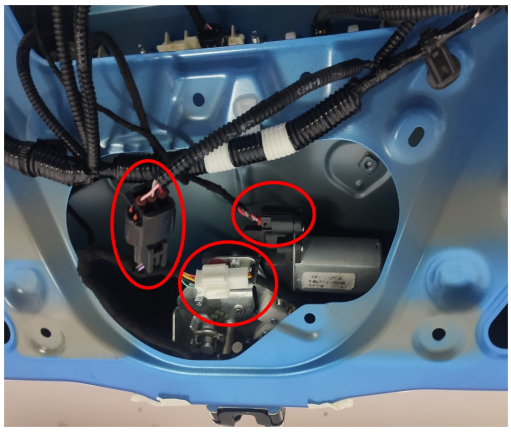
10 Thread the strut wire harnesses through the holes on both sides into the tailgate and plug the holes securely.



11 Replace the factory latch with the power latch.



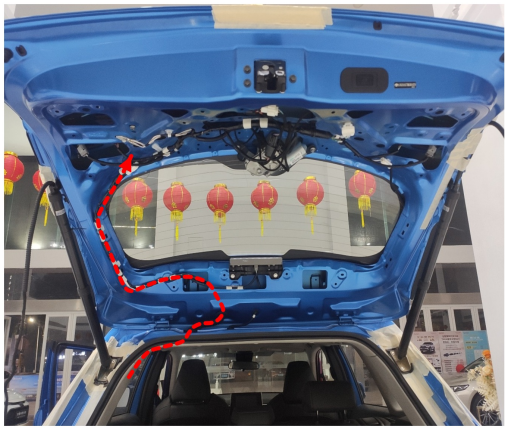
12 Connect the lock signal harness connectors to the factory tailgate switch.



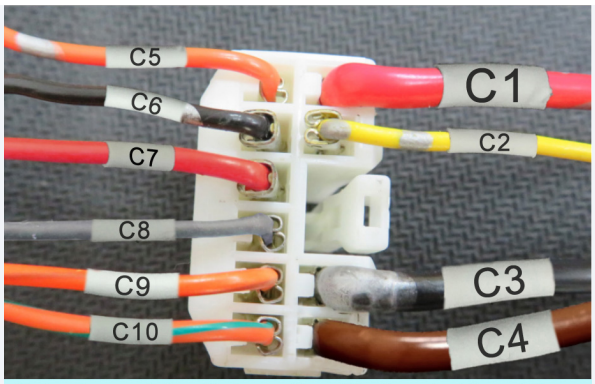
13 Connect the lock signal harness connectors to the power latch.



14 Connect the lock signal harness connector to the new tailgate switch.

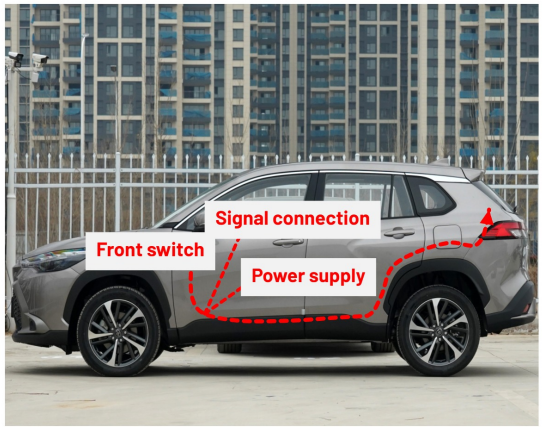


15 Route the power harness to the tailgate. Do not connect it until the terminals have been inserted into the wire harness connector.

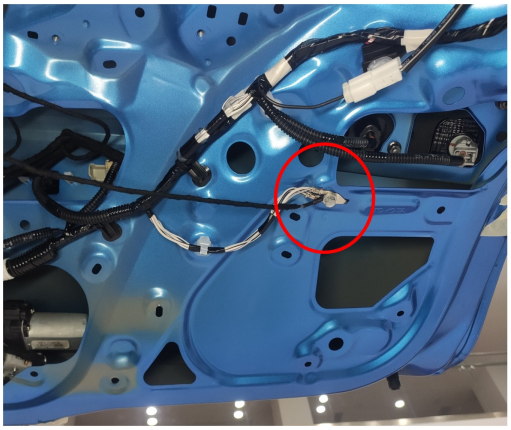


Note: For models with fewer than 10 wires, just insert them according to the corresponding label or color.

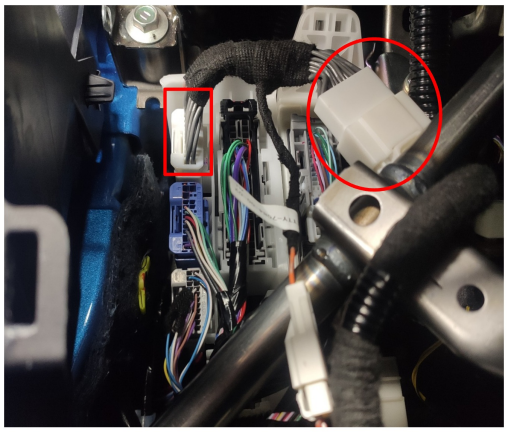
16 Insert the power harness terminals into the wire harness connector as shown above.



17 Route the power harness (the connector may be on the driver's side or the front passenger side).



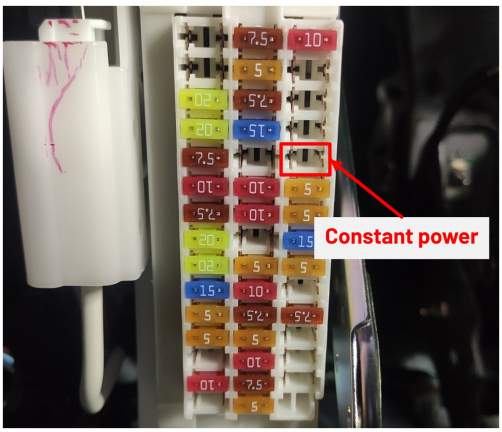
18 Secure the ground wire connector to the factory grounding point at the indicated location.



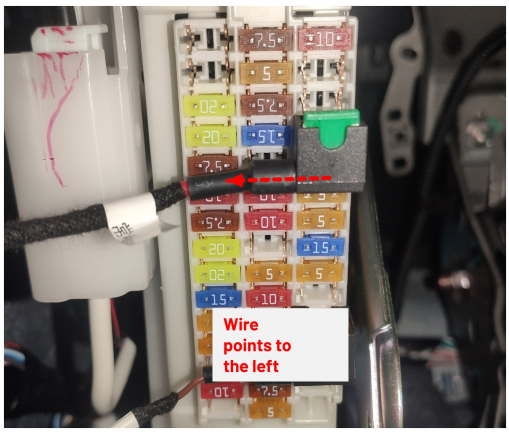
19 Connect the power harness to the signal plug and its socket (first in the first row).



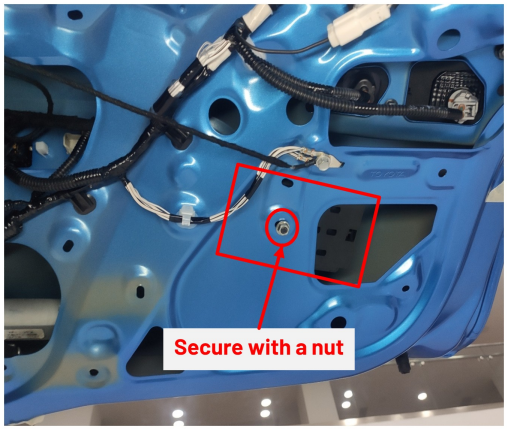
20 Remove the blank button, install the front switch, and connect the backlight connectors behind the panel.



21 The power supply fuse slot location is shown in the diagram.



22 Plug the fuse tap into the fuse box, ensuring the wire direction is correct.



23 Install the tailgate ECU bracket at the indicated location and secure it with a nut.



24 Insert the strut wire harnesses ①②, lock signal harness ③, and power harness ④ into the tailgate ECU in sequence, then mount the tailgate ECU onto its bracket.



25 Press the new tailgate switch to open and close the tailgate once. The system completes initialisation. Then test the functions of the electric tailgate.



26 Reinstall all trim panels 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 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 near the driver's seat 3 times.
   - Press the factory tailgate switch.
   - Press the newly installed tailgate switch.
   - Press the front switch: 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 act 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.

A Long Beep: The height has been 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.

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