Vehicle-Specific Power Tailgate Lift System



Toyota Corolla (w/o Tailgate Button)

2019-2022

Part no. ARTCRN19

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

Kick Sensor (Sold Separately)

This kit is compatible with the Aerpro Power Tailgate Kick Sensor (part no. ARTGKS), sold separately. Once fitted under the rear bumper, it lets you open and close the tailgate with a light kick of your foot.

More information: **aerpro.com/ARTGKS**

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.

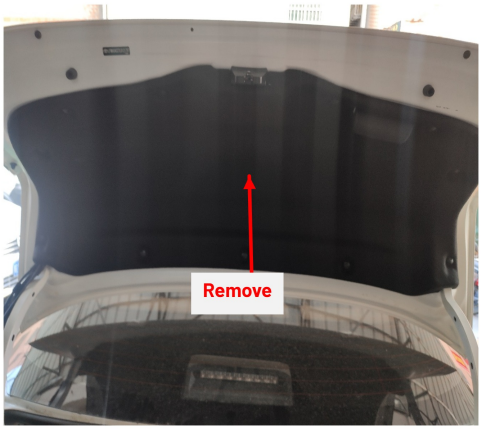
Installation



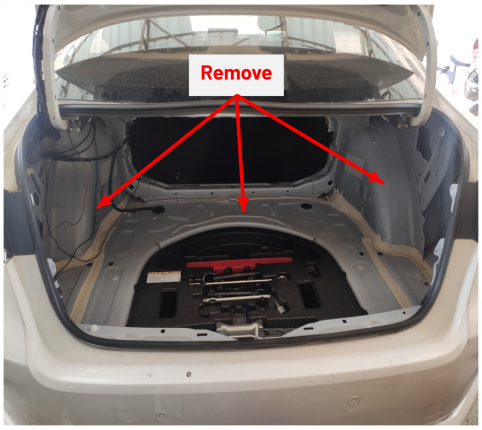
1 Remove the indicated front left door sill panel.



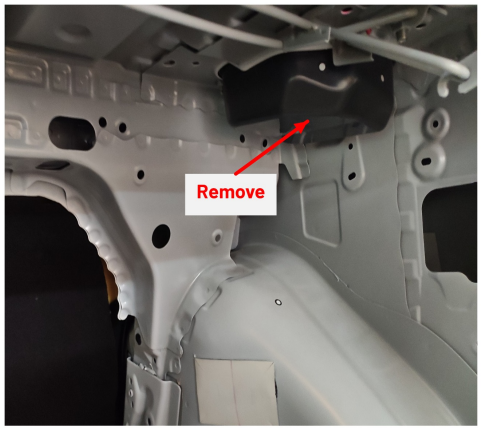
2 Remove the rear left door sill panel and B-pillar trim panel.



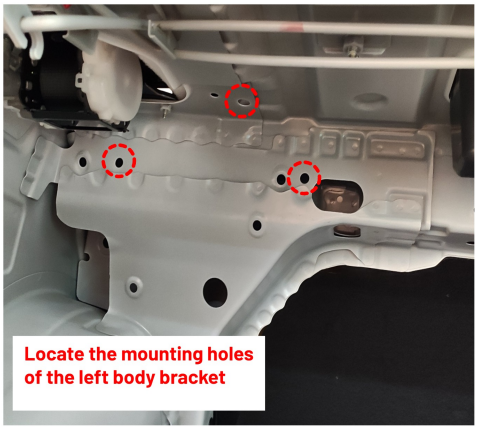
3 Remove the tailgate trim panel.



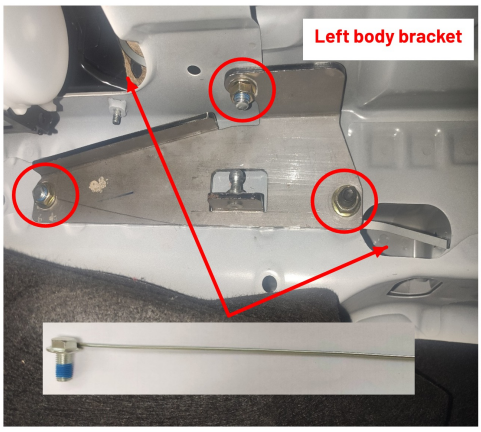
4 Remove the indicated trim panels from the boot.



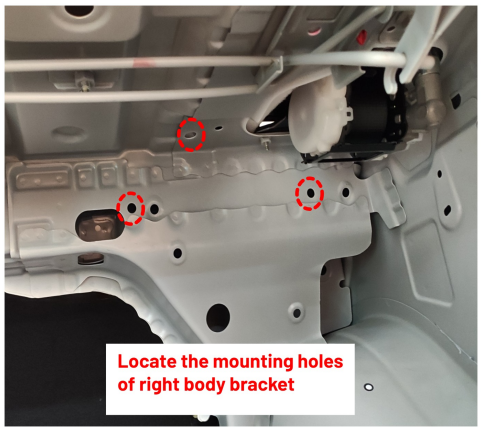
5 Remove the plastic seat belt boxes on both sides. Remember to refit them after installation.



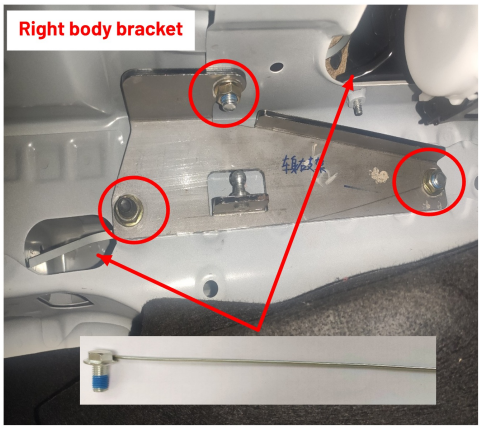
6 Locate the mounting holes of the left body bracket.



7 Install the left body bracket, threading the handled screws through the indicated holes to secure it.



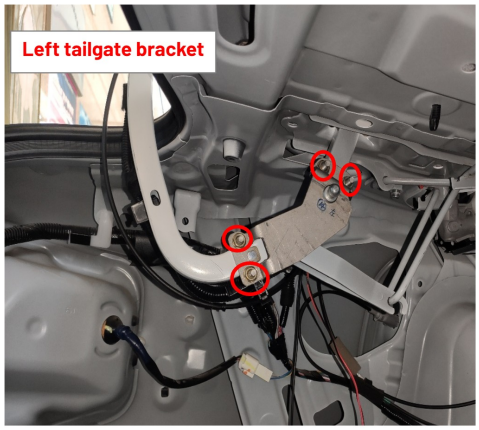
8 Locate the mounting holes for the right body bracket.



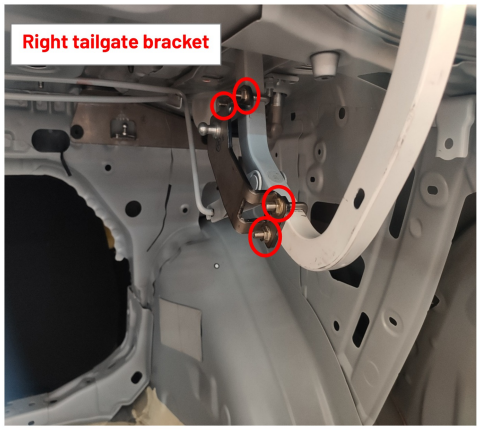
9 Install the right body bracket, threading the handled screws through the indicated holes to secure it.



10 Locate the hole for the tailgate bracket.



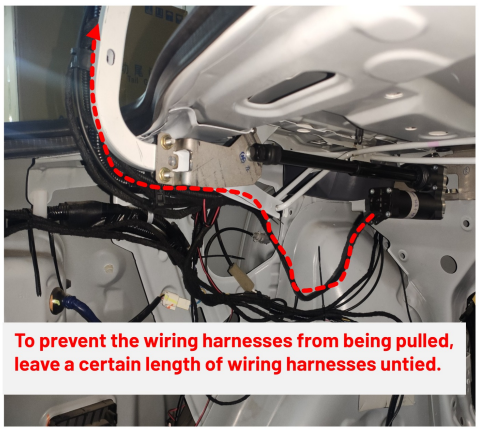
11 Install the left tailgate bracket, securing it with two U-bolts.



12 Install the right tailgate bracket, securing it with two U-bolts.



13 Install the electric struts (L for the left side, R for the right side, as indicated by the first letter of the strut code), making sure the harness ends are mounted to the car body.



14 Route the strut wire harnesses on both sides.



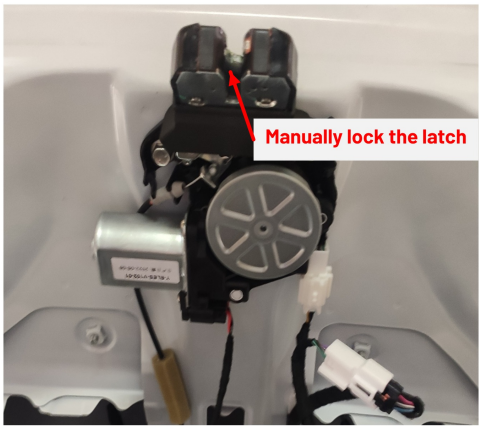
15 Route the strut wire harnesses to the tailgate along the hinges.



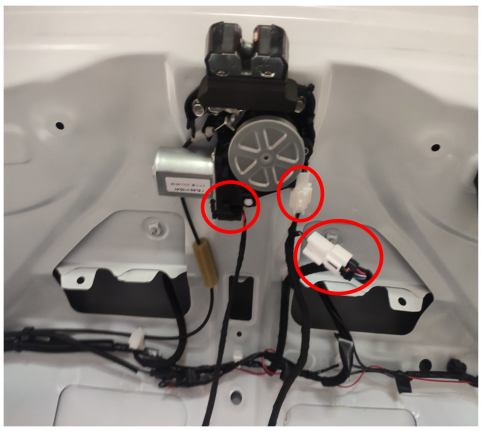
16 Remove the factory latch and the emergency lock cable.



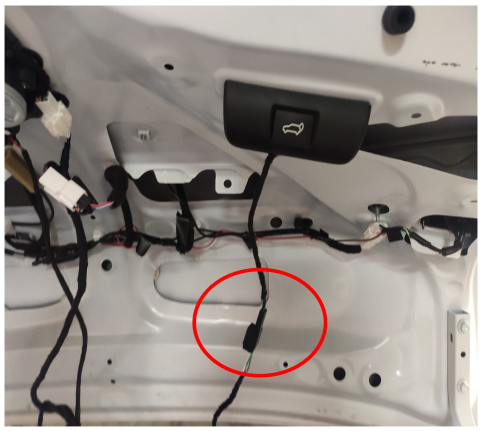
17 Install the emergency cable on the power latch (inside the fastener).



18 Install the new power latch and manually adjust it to the locked position.



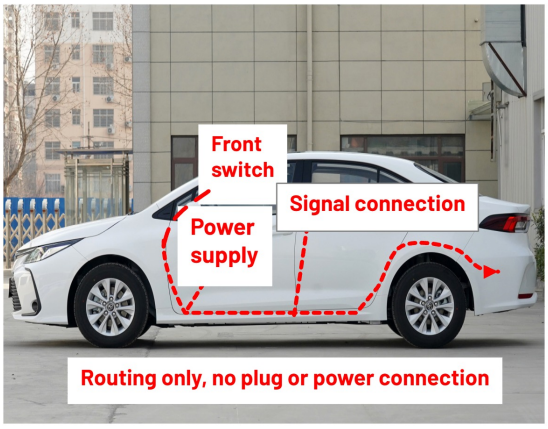
19 Connect the lock signal harness connectors to the power latch.



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



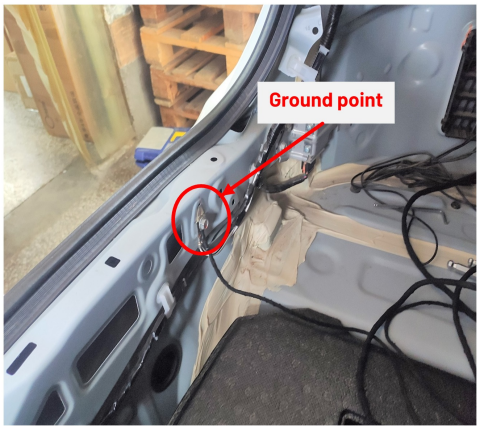
21 Wrap the two emergency lock wires and tuck them under the left side of the rear seat.



22 Route the power harness.



23 Route the power harness from the driver's area to the boot, then along the hinge to the tailgate.



24 Connect the ground wire to the factory grounding point on the left side of the boot.



25 Route the switch wire of the power harness to the driver's side, under the centre console.

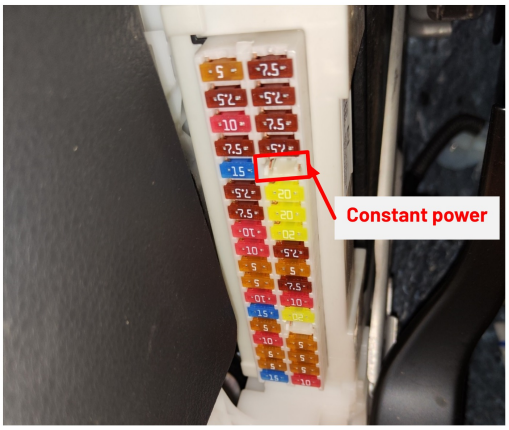


26 Remove the blank button and install the front switch. Connect the backlight connector to the switch.

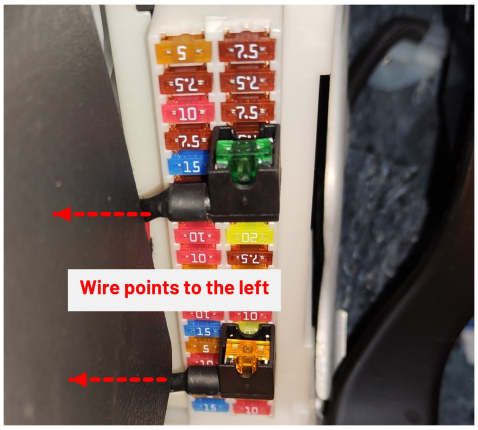


27 Connect the power harness connectors to the signal connectors at the rear left B-pillar.

28 Check that all connectors are properly connected and that the emergency cable functions correctly.



29 The fuse box is located in the front passenger area; the power supply slot is indicated above.



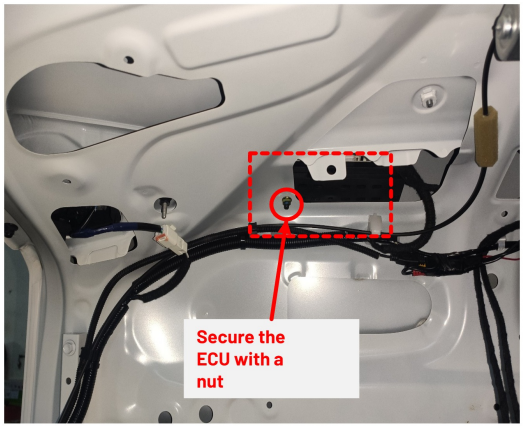
30 Plug the fuse tap into the fuse box, ensuring correct orientation.



31 Drill a 6mm hole at the indicated location to install the tailgate ECU.



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



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

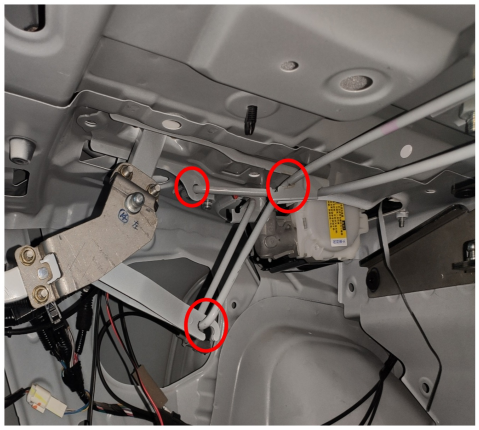
34 Confirm that the power latch and the electric struts are working properly.



35 Test each function of the electric tailgate.



36 Reinstall all trim panels.



37 Apply a small amount of grease where the torsion spring contacts the body sheet metal, to prevent noise during operation.

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 and hold the tailgate button on the remote key;
   - Press the front switch: press and hold for 4 seconds to open, or press briefly to close.
   - Press the factory tailgate switch;
   - Press the newly installed tailgate switch.
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 to the desired height by hand.

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.

A Long Beep: The height memory 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.