Vehicle-Specific Power Tailgate Lift System

Toyota Corolla (w/ Tailgate Button)

2019-2023

Part no. ARTCRL19



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.

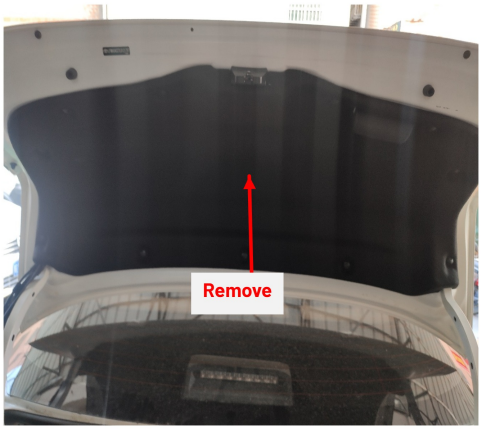
Installation



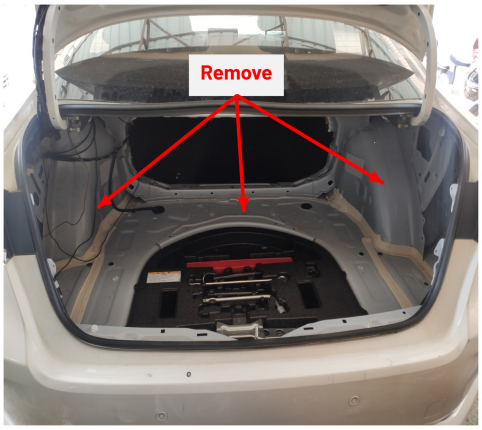
1 Remove the indicated front left side trim panel and door sill panel.



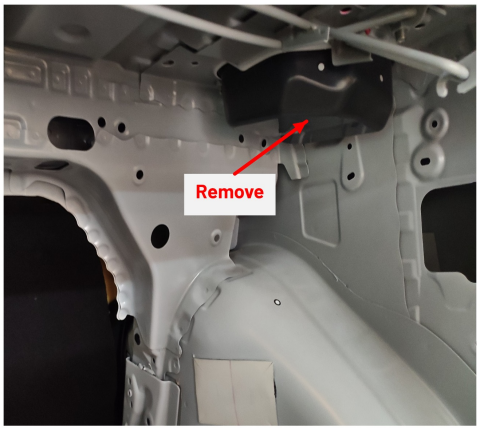
2 Remove the rear left door sill panel and B-pillar trim panel.



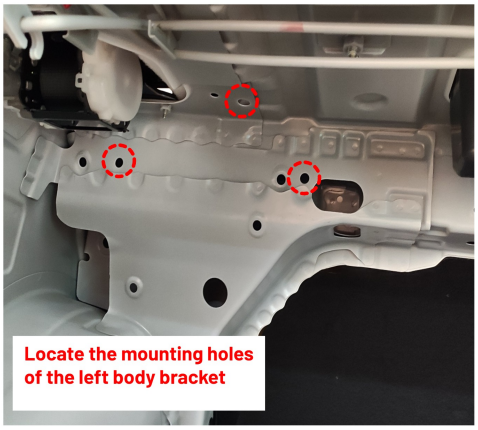
3 Remove the tailgate trim panel.



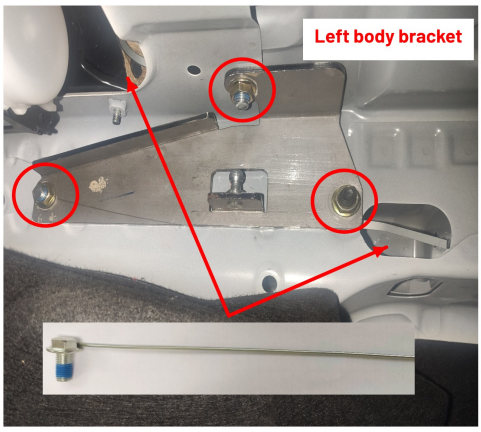
4 Remove the indicated trim panels from the boot.



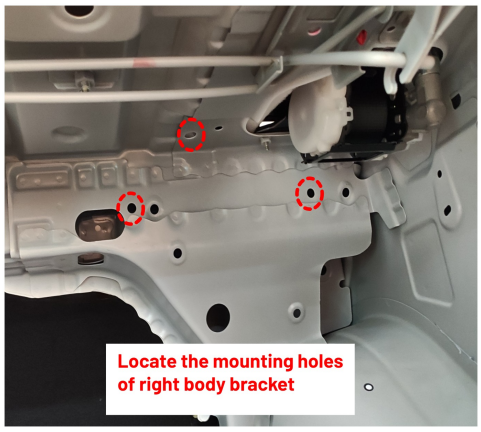
5 Remove the seat belt plastic boxes on both sides (remember to reinstall them after installation).



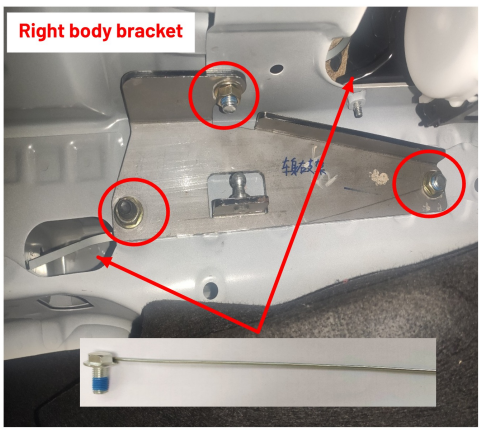
6 Locate the mounting holes of the left body bracket.



7 Install the left body bracket. Thread the handled screws through the indicated holes to fasten the bracket.



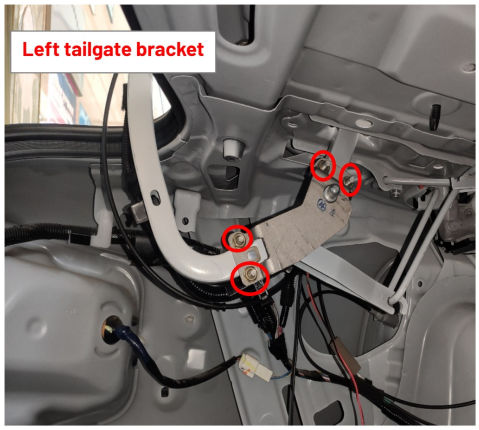
8 Locate the mounting holes of right body bracket.



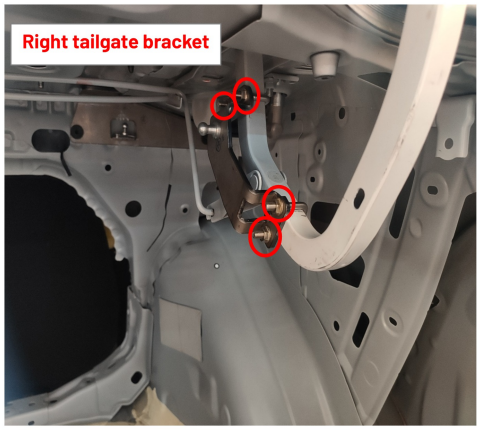
9 Install the right body bracket. Thread the handled screws through the indicated holes to fasten the bracket.



10 Locate the hole for the tailgate bracket.



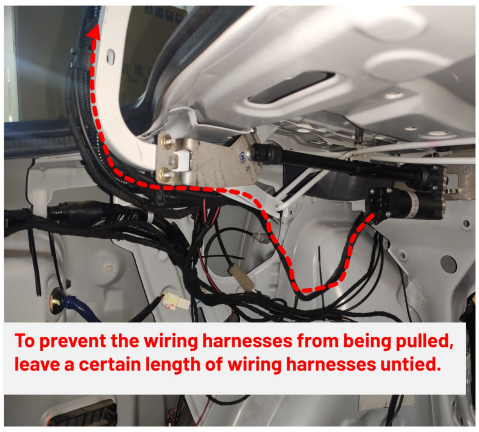
11 Install the left tailgate bracket with two U-bolts fastening the bracket.



12 Install the right tailgate bracket with two U-bolts fastening the bracket.



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 ends with wire harnesses are on the car body.



14 Route the strut wire harnesses on both sides.



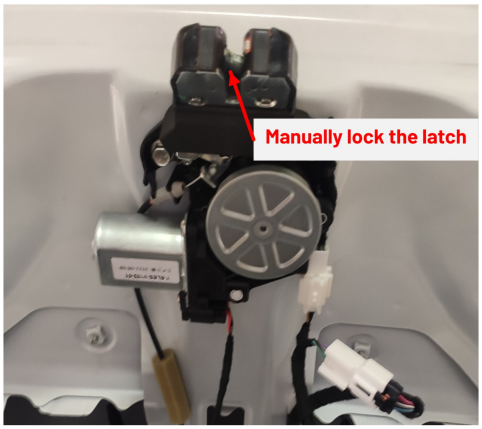
15 Route the strut wire harnesses to the tailgate along the hinges.



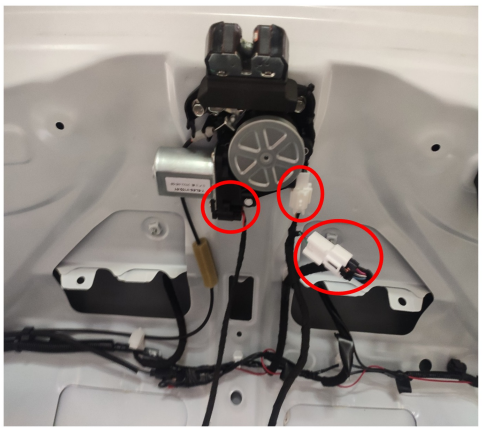
16 Remove the factory latch and the emergency lock cable.



17 Attach the emergency cable to the power latch using the internal fastener.



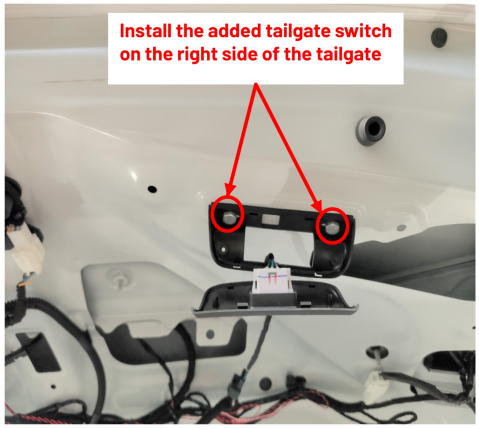
18 Install the power latch and manually adjust it to the locked position.



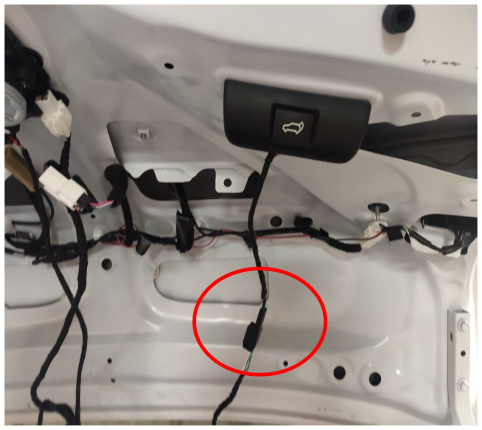
19 Connect the lock signal harness connectors to the power latch.



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



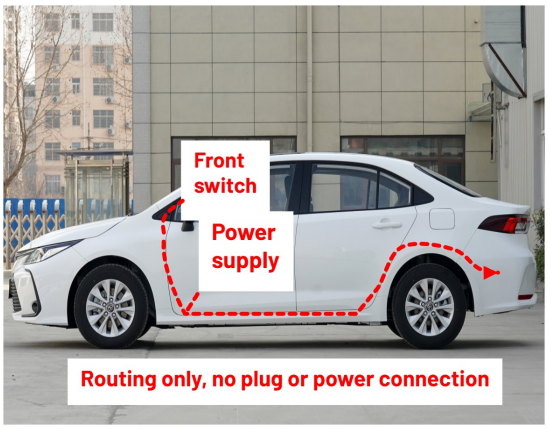
21 Install the new tailgate switch at the reserved holes on the right side of the tailgate and secure it with the provided screws and nuts.



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



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



24 Route the power harness to the driver's area and the boot.



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

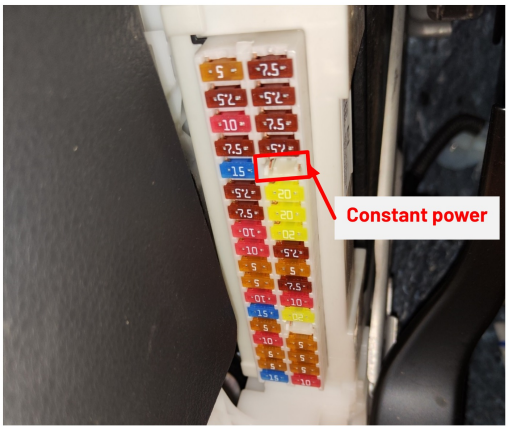


26 Secure the ground wire connector to the factory grounding point on the left side of the boot.

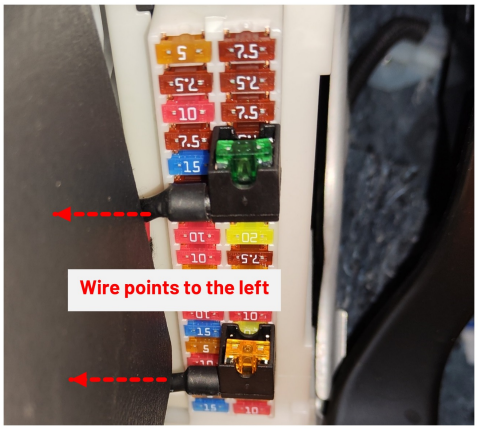


27 Remove the blank button and install the new switch. Connect it to the adjacent button for backlighting.

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



29 The fuse slot for the power supply is shown in the diagram.



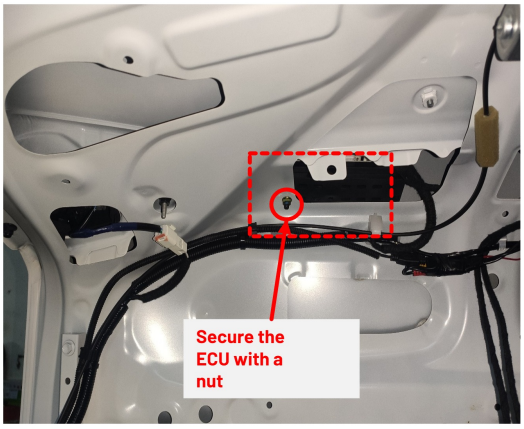
30 Plug the fuse tap into the fuse box, ensuring correct orientation.



31 Drill a hole at the indicated location with a 6mm drill bit for installing the tailgate ECU.



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

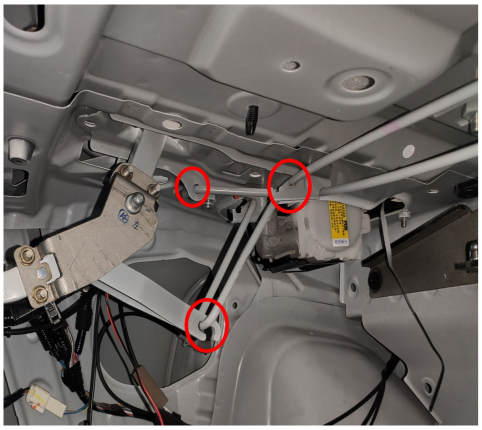


33 Install the tailgate ECU and secure it with a nut.

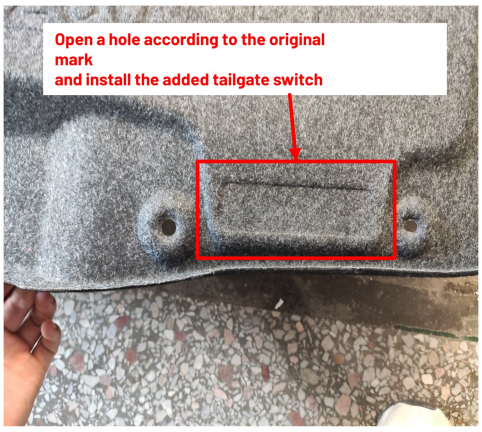
34 Confirm that the power latch and the electric struts are working properly.



35 Test each function of the electric tailgate.



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



37 Install the new switch at the reserved location.



38 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 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 exterior 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, and release it after you hear a long beep. The height is now memorised.

   Tip: While the tailgate is moving, pause it, then push the tailgate 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.

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.