Vehicle-Specific Power Tailgate Lift System



Toyota Camry

2024-2025

Part no. ARTCMY24

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.

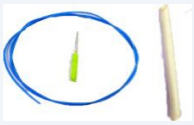
In the Box

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 front left side trim panel and door sill panel.



2 Remove the indicated rear left side trim panels.



3 Remove the indicated tailgate trim panels.

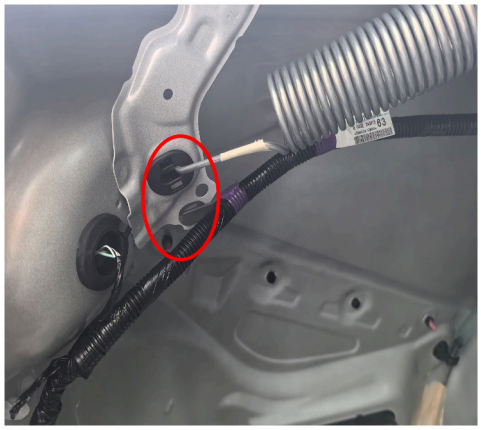


4 Remove the indicated boot trim panels.

5 Fold all the rear seats.



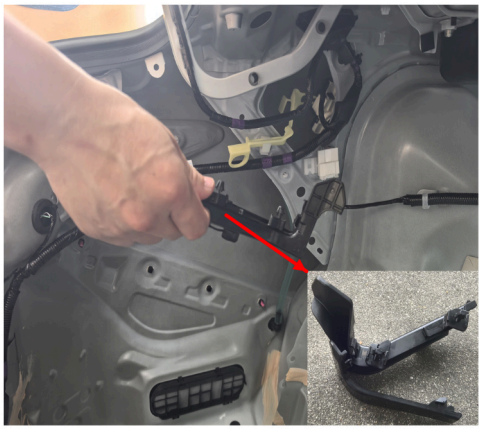
6 Remove the springs on both sides of the boot.



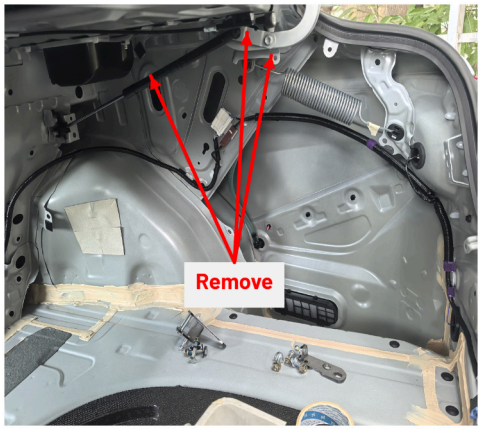
7 Remove the plastic ring used to hang the spring, then remove the cable clip.



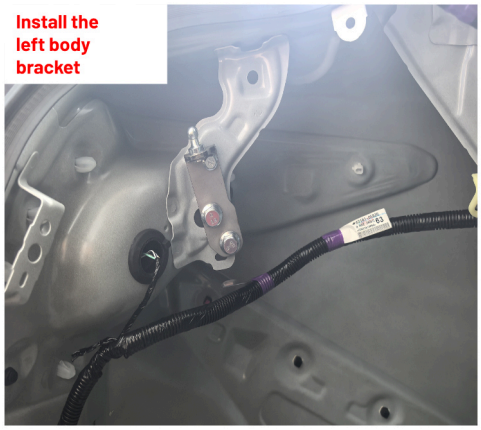
8 Remove the bracket on the left hinge.



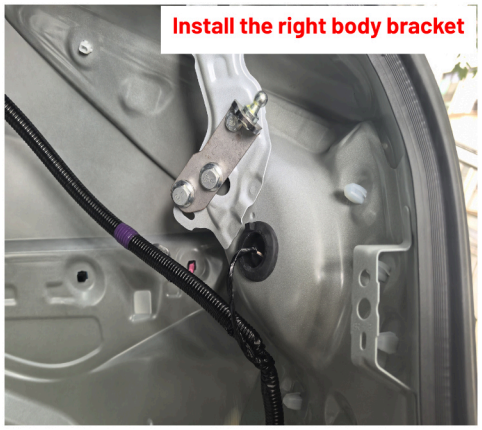
9 Remove the cable box on the left hinge.



10 Remove the bracket and the gas strut on the right hinge. To do this safely, remove and replace one strut at a time.



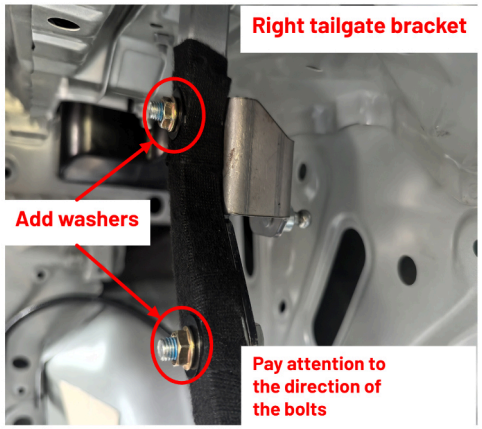
11 Install the left body bracket.



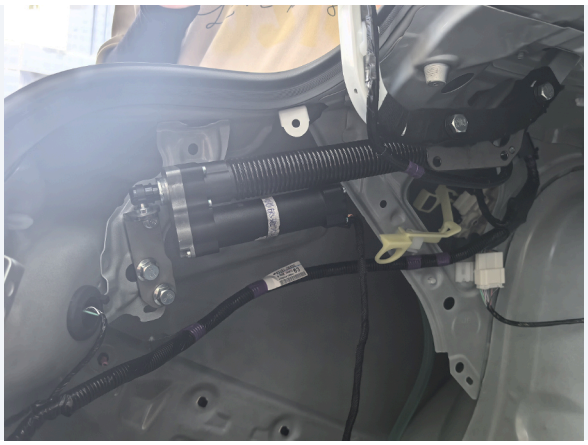
12 Install the right body bracket.



13 Install the left tailgate bracket.



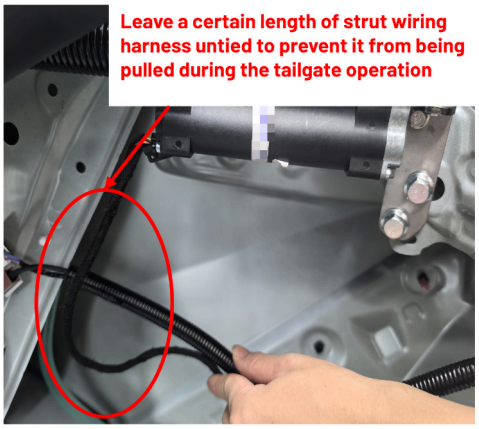
14 Install the right tailgate bracket.



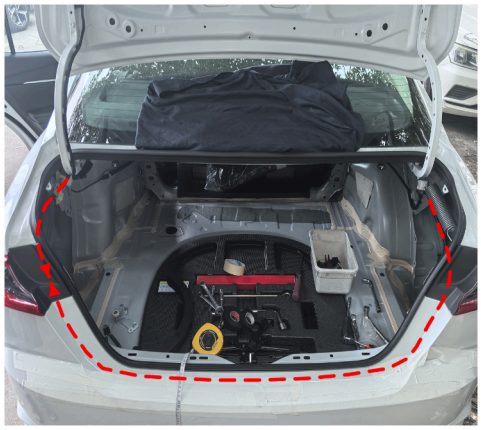
15 Install the electric struts(L for the left side, R for the right side, as indicated by the first letter of the strut code).



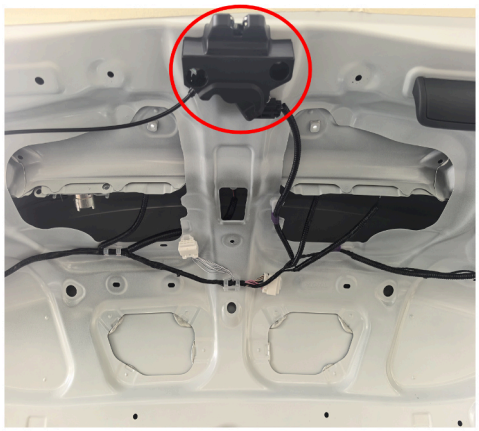
16 Secure the factory wire harness on the left side.



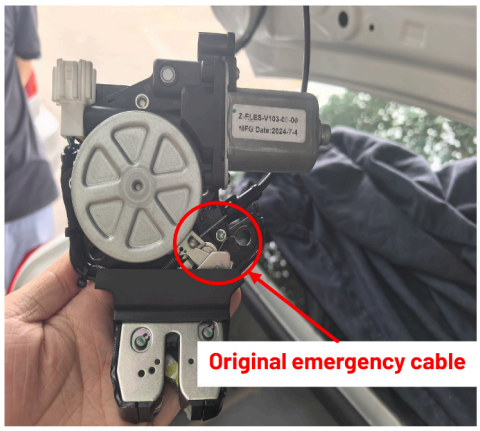
17 Tie the left and right strut wire harnesses to the factory wire harness on both sides.



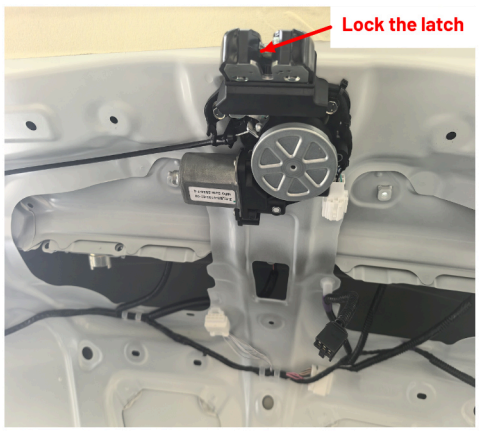
18 Route the strut wire harnesses along the factory wire harnesses as indicated.



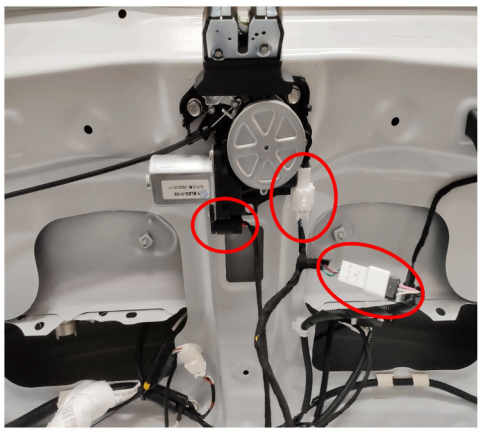
19 Remove the factory latch and latch cable.



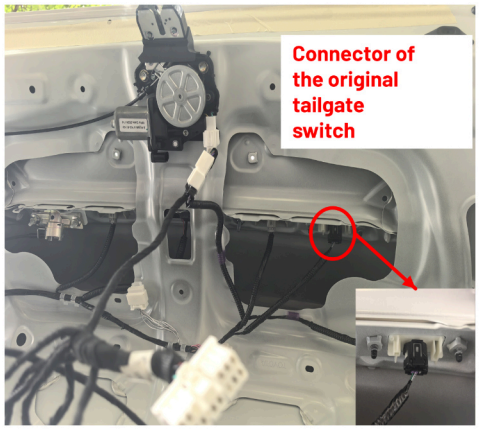
20 Install the factory emergency cable on the inner fastener of the power latch.



21 Install the power latch and manually adjust the latch to the locked state.



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



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



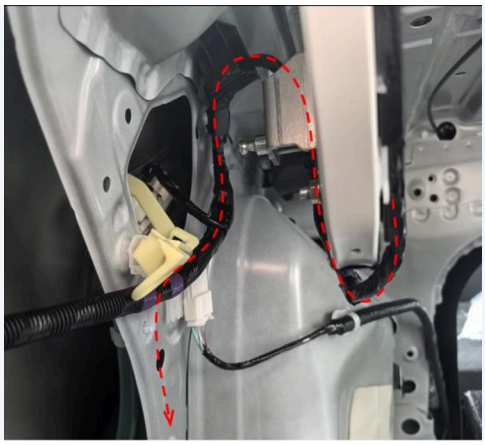
24 Install the new tailgate switch using the factory screws.



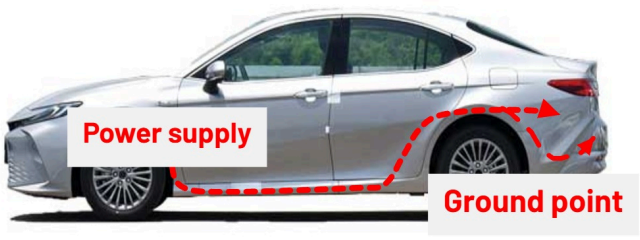
25 Route the lock signal harness to the left side of the boot, following the factory wiring.



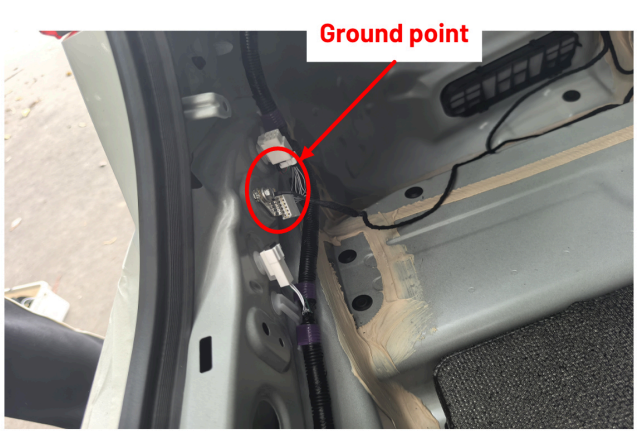
26 Hide the two emergency wires of the lock signal harness under the rear left side trim panel.



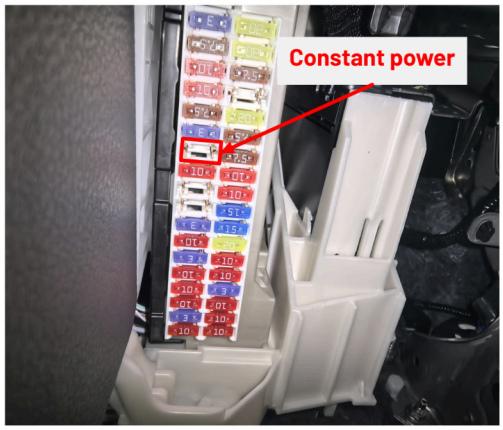
27 Route the lock signal harness to the indicated location, following the factory wiring.



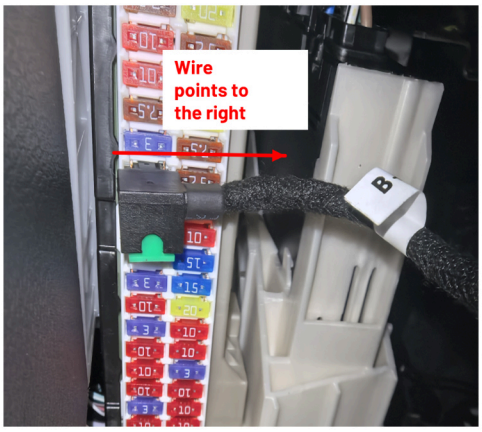
28 Route the power harness only; do not connect the plug or power at this stage.



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



30 The fuse box is located beside the pedals; the power supply fuse slot is indicated above.

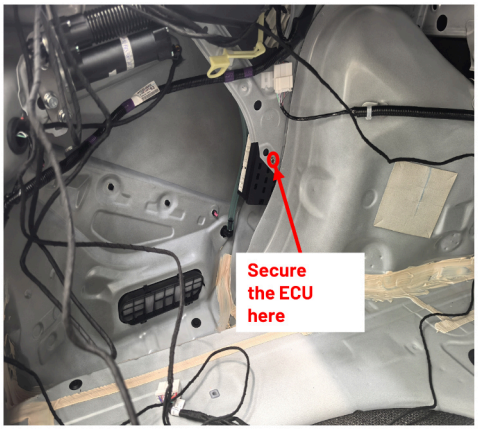


31 Plug the fuse tap into the fuse box, ensuring correct wire orientation.

32 Check all the connectors.



33 Insert the left and right strut wire harnesses①②, lock signal harness③, and power harness④ into the tailgate ECU in sequence.



34 Secure the tailgate ECU at the indicated hole.

35 Check that the power latch and struts are functioning correctly.



36 Check that the tailgate closes properly. If not, replace the striker with the one provided.



37 Test all functions of the electric tailgate.



38 Reinstall all trim panels.

System Initialisation

1. Press the newly installed tailgate switch; the tailgate will close 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. Opening and Closing the Tailgate:
   - Press and hold the tailgate button on the remote key;
   - Press the tailgate button in the driver's area;
   - 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.

Configuring the Tailgate Switch Settings

1 Adjusting Closing Speed (5 Levels)

1. Press and hold the switch until you hear a single short beep.
2. Release the button; a short beep confirms the new closing speed is set.
3. Repeat this process to increase the speed by one level.

2 Adjusting Opening Speed (5 Levels)

1. Press and hold the switch until you hear two short beeps.
2. Release the button; two short beeps confirm the new opening speed is set.
3. Repeat this process to increase the speed by one level.

3 Voice Module Configuration

1. Press and hold the switch until you hear three short beeps.
2. Release the button; three short beeps confirm the voice module has entered configuration mode. (For details, see the voice module operation manual.)

4 Muting the Voice Module

1. Press and hold the switch until you hear four short beeps.
2. Release the button; four short beeps confirm the voice module is muted.

5 Setting the Maximum Opening Height

1. Press and hold the switch until you hear five short beeps.
2. Release the button; a long beep confirms the new maximum opening height is set.

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

1. Press and hold the newly installed tailgate switch until you hear the sixth short beep.
2. Release the button; a long beep followed by a short beep confirms the switch between quick press and slow press of the unlock button has taken effect.

7 Remote Key Activation (Double-Press vs. Triple-Press)

1. Press and hold the switch until you hear the seventh short beep.
2. After releasing the button, you will hear a long beep sound and two short beeps indicating that the switch between pressing the unlock button twice/three times has taken effect.

8 Adjusting Braking Force (5 Levels)

1. Press and hold the switch until you hear the eighth short beep.
2. After releasing the button, you will hear a long beep sound and three short beeps indicating that the switch between pressing the unlock button twice/three times has taken effect.

9 Factory Reset

1. Press and hold the switch until you hear the ninth short beep.
2. Release the button; a long beep followed by four short beeps confirms the factory reset is complete.

Buzzer Sound Indicators

One Beep: The tailgate receives an open, close, or pause signal and responds 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.

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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