Vehicle-Specific Power Tailgate Lift System



Toyota Camry

2018-2023

Part no. ARTCMY18

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 clips 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

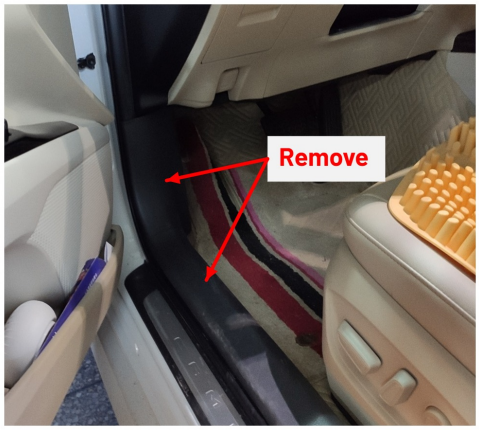
Notice

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.



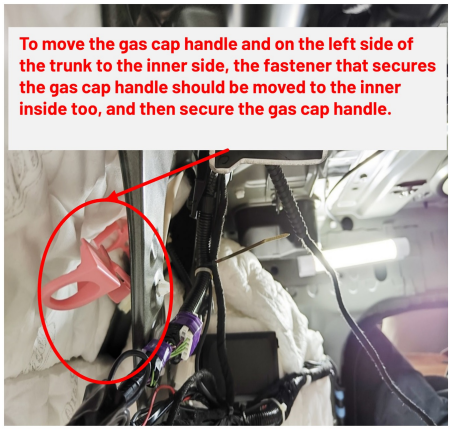
2 Remove the rear left door sill panel and B-pillar trim panel.



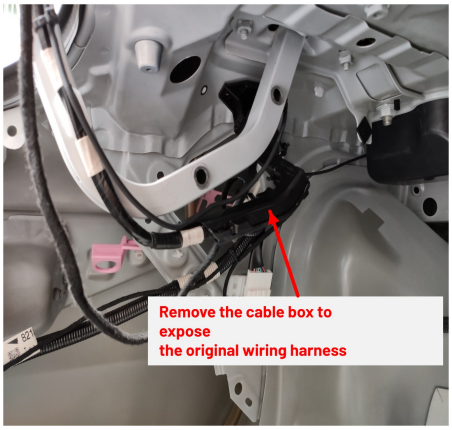
3 Remove the tailgate trim panel.



4 Take out the boot floor mat and remove the trim panels on both sides of the boot.

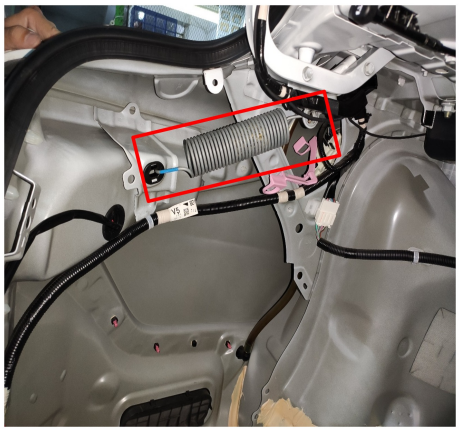


5 Move the fuel cap release handle on the left side of the boot inward to avoid interference.

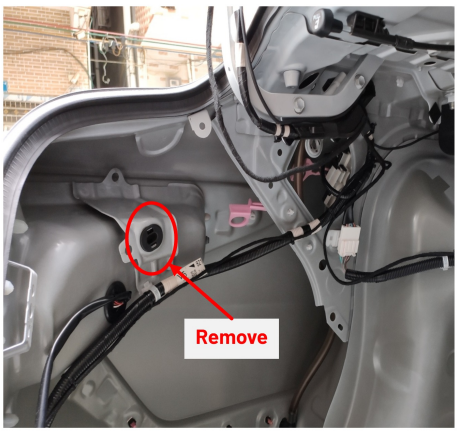


6 Remove the cable box from the left hinge to avoid interference.

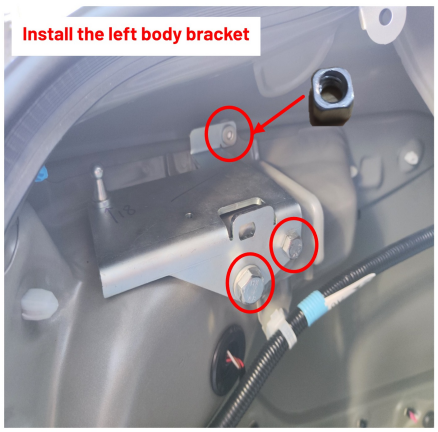
7 Fold down the rear seats.



8 Remove the left and right springs from the boot.



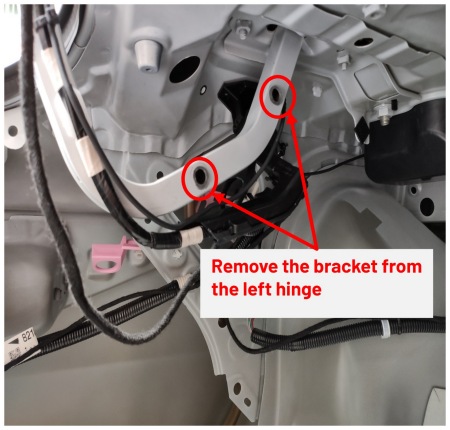
9 Remove the gaskets from the left and right spring holes.



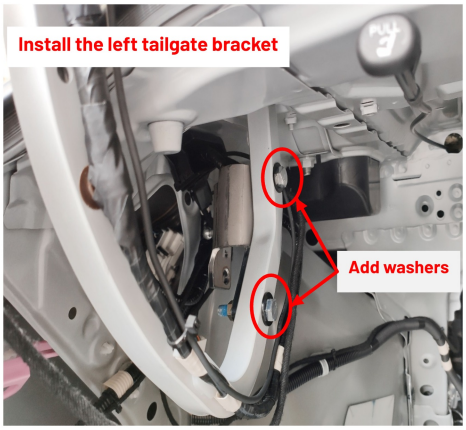
10 Install the left body bracket.



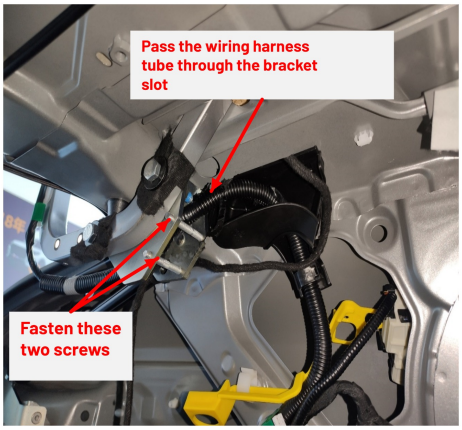
11 Install the right body bracket.



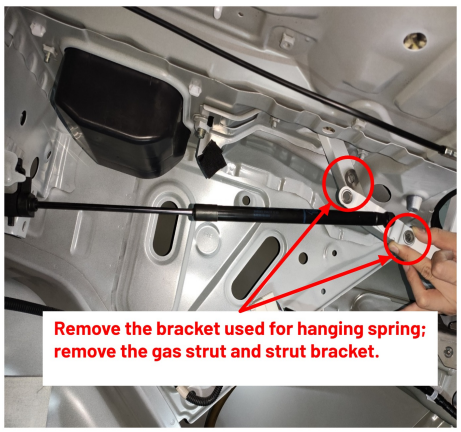
12 Remove the bracket from the left hinge.



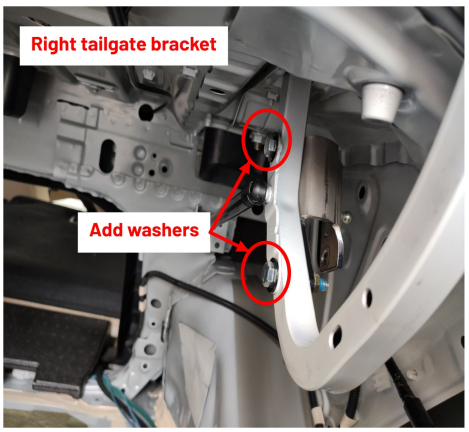
13 Install the left tailgate bracket.



14 Pass the wire harness tube through the bracket slot and fasten the two screws tightly.



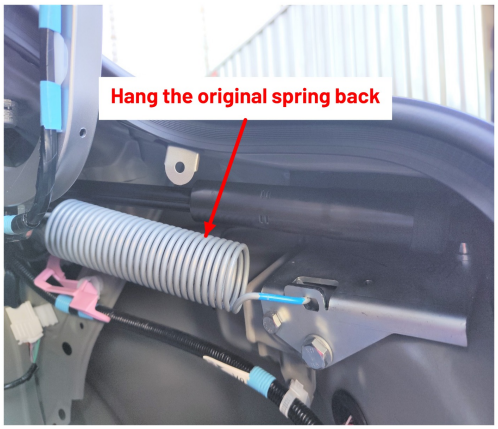
15 Remove the right spring bracket, gas strut and strut bracket. To do this safely, remove and replace one strut at a time.



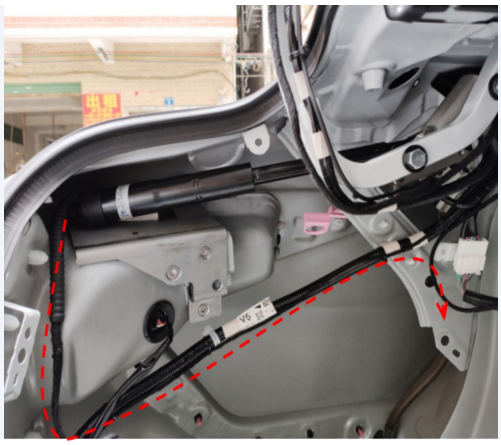
16 Install the right tailgate bracket and reinstall the original gas strut.



17 Install the electric struts (L for the left side, R for the right side, as indicated by the first letter of the strut code), ensuring the wire harness ends face the car body.



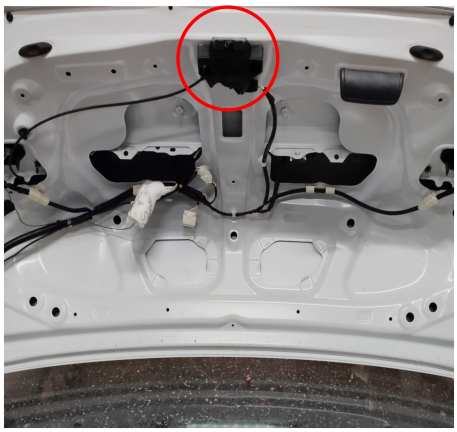
18 Hang the left and right springs back.(wrap the two end of the springs with velvet fabric to prevent abnormal soound during operation)



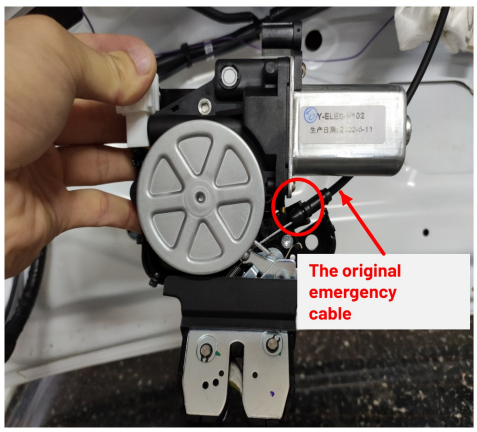
19 Route the left strut wire harness along the factory wiring.



20 Route the right strut wire harness along the factory wiring.



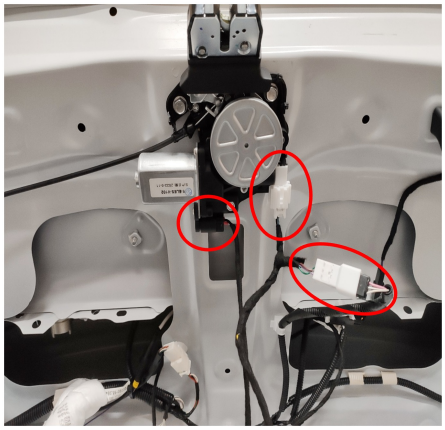
21 Remove the factory latch and lock cable.



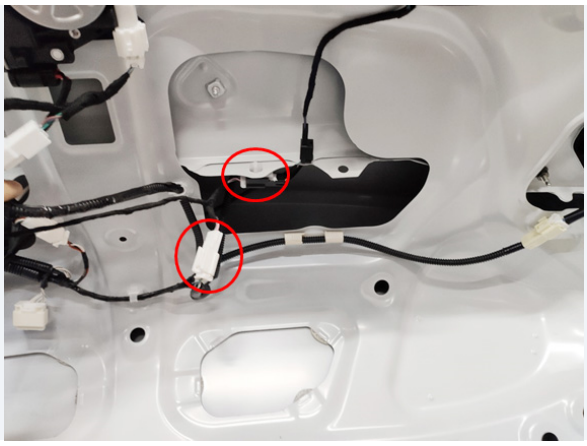
22 Install the original emergency cable onto the inner-side fastener of the power latch.



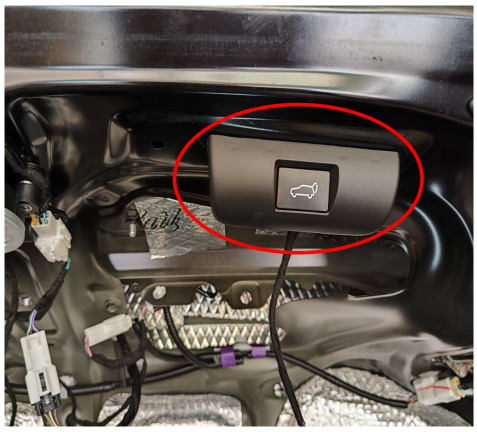
23 Install the power latch, then manually adjust it to the locked position.



24 Connect the lock signal harness connectors to the power latch plugs.



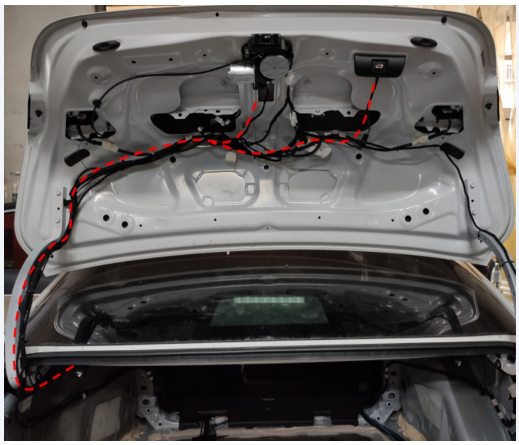
25 Connect the lock signal harness connectors to the factory tailgate switch.



26 Install the new tailgate switch using the original screws.



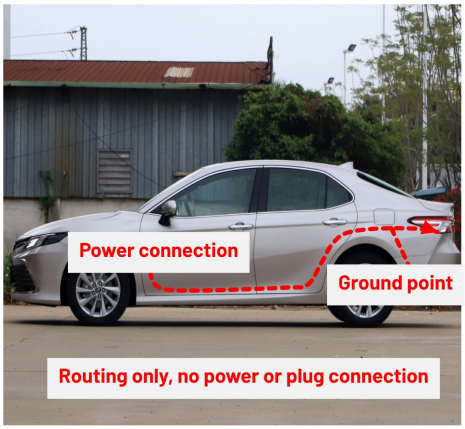
27 Route the latch's two emergency wires as indicated, wrap them together with electrical tape, and conceal them under the rear left trim panel.



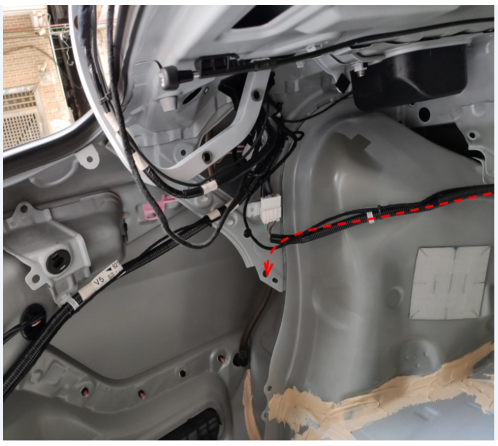
28 Route the lock signal harness to the tailgate along with the factory wiring, as indicated.



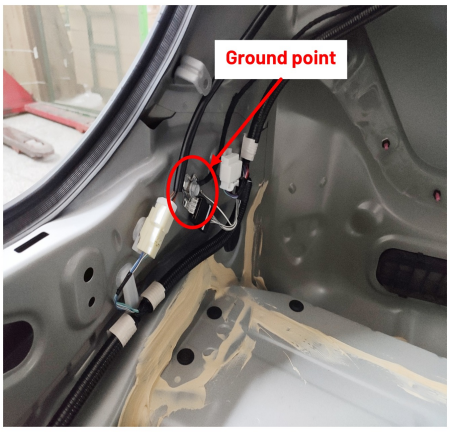
29 Route the lock signal harness to the indicated position along with the factory wiring.



30 Route the power harness only; do not connect power or plugs at this stage.

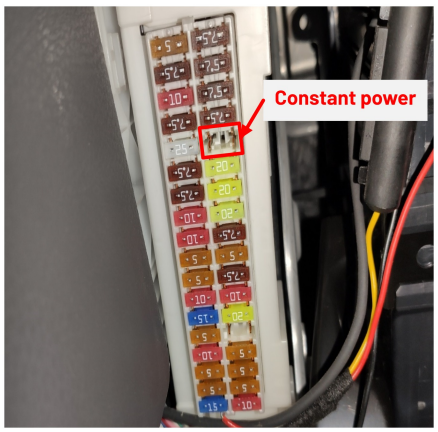


31 Route the power harness along the factory wiring, as indicated.

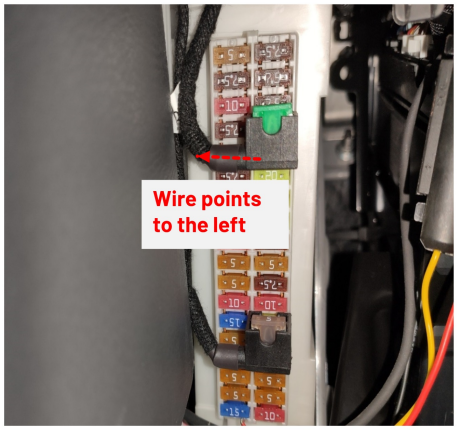


32 Secure the ground wire connector to the factory grounding point on the left side of the boot.

33 Check all the connectors.



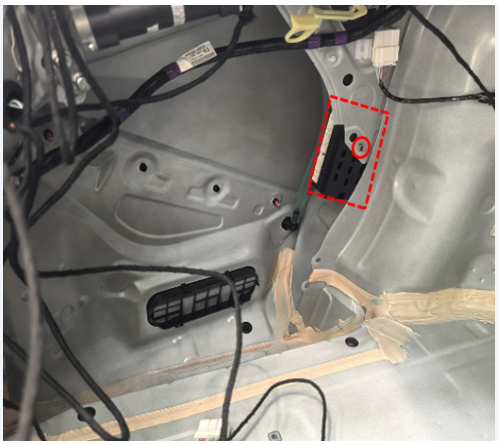
34 The fuse box is located to the left of the pedals; the power supply fuse slot is indicated above.



35 Insert the fuse tap into the fuse box, ensuring correct orientation.



36 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.



37 Secure the tailgate ECU at the indicated location.

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



39 Check if the tailgate can be closed properly. If not, replace the striker with the provided one.



40 Test each function of the electric tailgate and reinstall all the trim panels.

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. **Opening and Closing the Tailgate:**
   - Press and hold the tailgate button on the remote key.
   - Press and hold tailgate button in the driver's area;
   - Press the factory tailgate switch.
   - Press the newly installed tailgate switch.
2. **Pausing the Tailgate:**

   During the operation of the tailgate, press the button with any of the above methods, and the tailgate will be paused. Press again, and the tailgate will move in reverse.

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 newly installed tailgate 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 height setting has taken effect.

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

1. Press and hold the new tailgate switch until you hear the sixth short beep.

2. Release the button; a long beep followed by a short beep confirms the setting for quick press or slow press of the unlock button has been changed.

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

1. Press and hold the switch until you hear the seventh short beep.
2. Release the button; a long beep followed by two short beeps confirms the setting for double-press or triple-press of the unlock button has been changed.

8 Adjusting Braking Force (5 Levels)

1. Press and hold the unlock button until you hear the eighth short beep.
2. Release the button; a long beep followed by three short beeps confirms the setting for double-press or triple-press of the unlock button has been changed.

9 Factory Reset

1. Press and hold the unlock button until you hear the ninth short beep.
2. Release the button; a long beep followed by four short beeps confirms the factory settings have been restored.

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.

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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