Vehicle-Specific Power Tailgate Lift System

Toyota RAV4

2026

Part no. ARTRAV26



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.

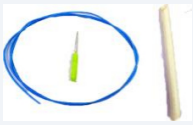
In the Box

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
6		Front 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.

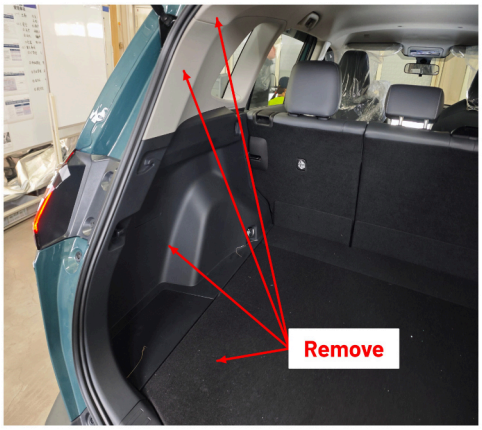
Installation



1 Remove the indicated four screws from the tailgate.



2 Remove the indicated tailgate trim panels.



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



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



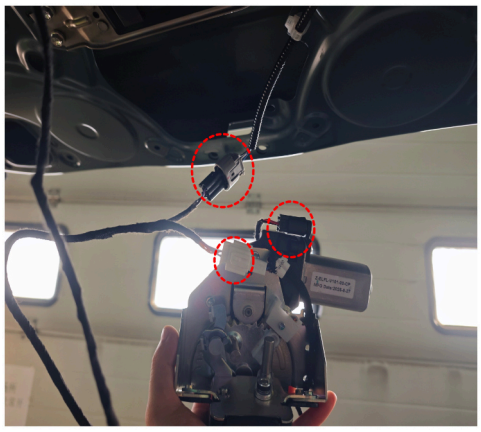
5 Remove the front passenger side door sill panel and the trim panel on the right side of the passenger seat.



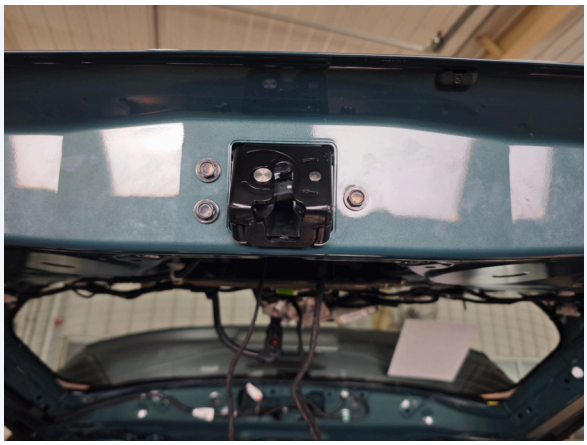
6 Remove the indicated driver side trim panels and door sill panel.



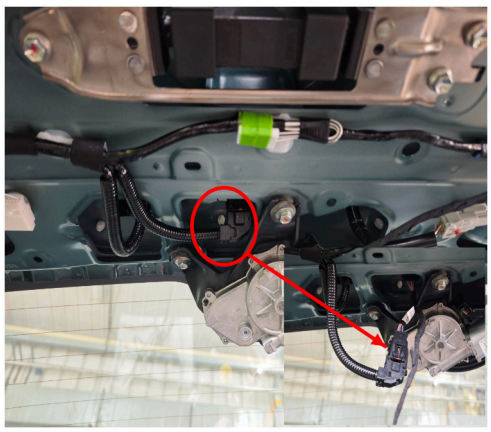
7 Remove the original latch and keep the screws and nuts.



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



9 Install the power latch and secure it with the factory screws.



10 Connect the connectors of the lock signal harness to the indicated connector.



11 Remove the original gas struts. To do this safely, remove and replace one strut at a time.



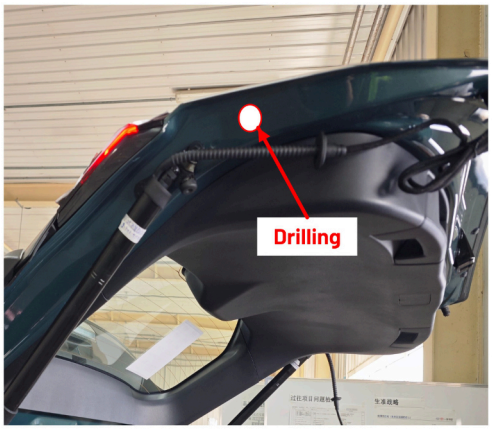
12 Install the left body bracket, using the factory screw at the upper end and a countersunk screw at the lower end.



13 Install the right body bracket, using the factory screw at the upper end and a countersunk screw at the lower end.



14 Install the electric struts(L for the left side, R for the right side, as indicated by the first letter of the strut code). The end with the wire harness should face the tailgate.



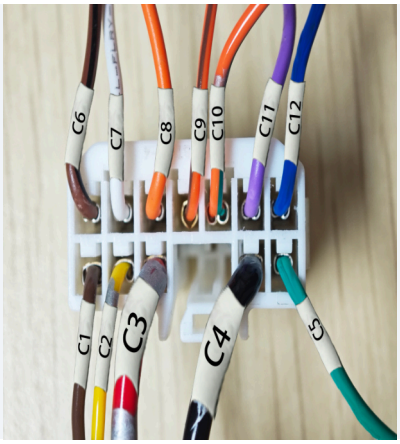
15 Drill a hole at the indicated location with an 18mm drill bit to allow the wire harness to pass through. Follow the same method on both sides.



16 Route the strut wire harnesses as indicated in the diagram and seal the holes with grommets.



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



18 Insert the power harness terminals into the connector as shown above. For models with fewer than 12 wires, insert the terminals according to the label.



19 Route the power harness as shown above.



20 Locate the indicated connector behind the trim panel on the left side of the boot and connect the ground connector to it.



21 Route the power harness to the front seat along the rear left door sill.



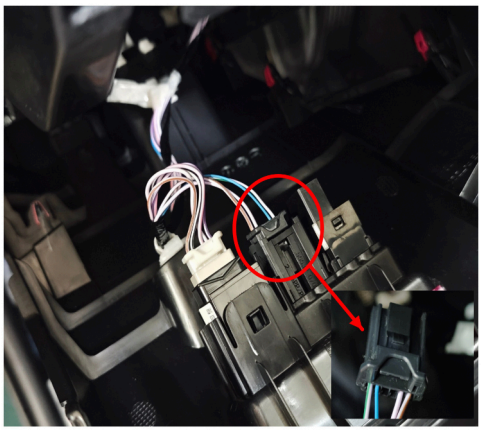
22 **Route the power harness to the driver's area.**



23 Locate the grey connector beside the pedal and connect the power harness connector to it.



24 Remove the reserved blank button from the switch panel.



25 Connect the green connectors on the power harness to the indicated connector for the button light.



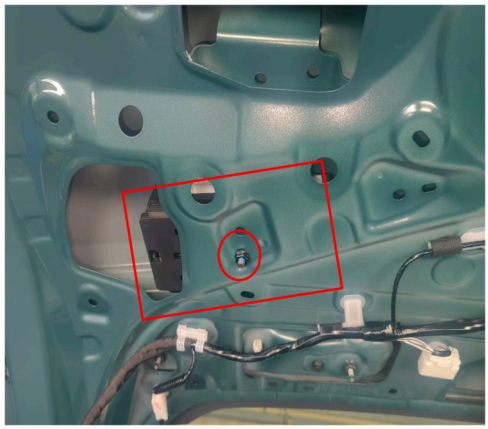
26 Connect the power harness connector to the front switch.



27 The power supply fuse slot is indicated in the diagram. Move the yellow fuse to the fuse tap.



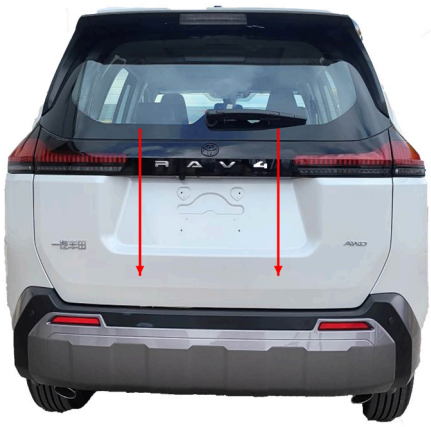
28 Plug the fuse tap into the fuse box, ensuring correct orientation.



29 Secure the tailgate ECU at the indicated location on the left of the tailgate.



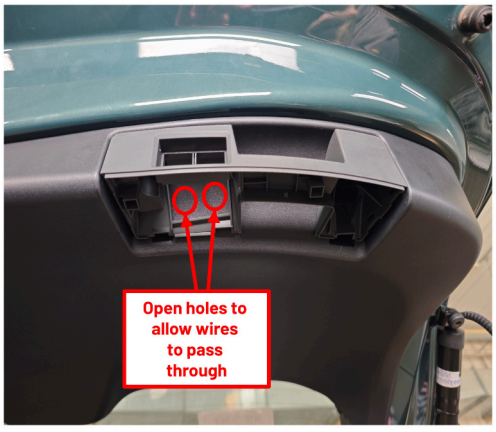
30 Insert the left and right strut wire harnesses ①②, lock signal harness ③, and power harness ④ into the tailgate ECU in sequence.



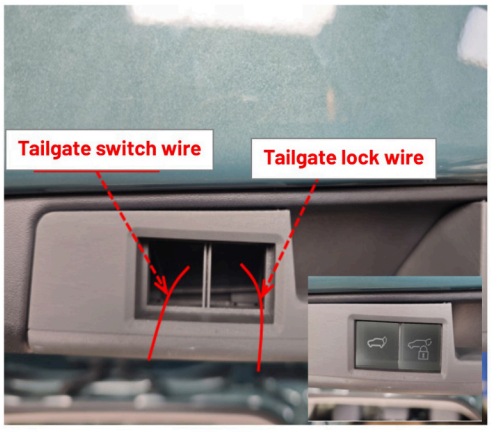
31 Press the new tailgate switch to close the tailgate, then open it to complete system initialisation. Test each function of the electric tailgate.



32 Remove the factory tailgate handle.



33 Test-fit the switch and identify any interference points with the trim panel. Drill two holes at these points to allow the wires to pass through.



34 Connect the wires to the corresponding switch buttons and fit the bottom trim panel.



35 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 the unlock button on the remote key three times.
   - Press the factory tailgate switch.
   - Press the newly installed tailgate switch.
   - Press the newly installed tailgate lock button to close the tailgate (if the remote key is nearby, the tailgate will close and lock).
   - Press the front switch: hold for 4 seconds to open, or press once 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.

Configuring the Tailgate Switch Settings

1 Setting the Maximum Opening Height

Press and hold the switch button on the tailgate. Release it after hearing one long beep - the height has been successfully memorised.

Tip: During tailgate operation, pause it, then manually push the tailgate up to the desired height.

2 Adjusting Closing Speed

Press and hold the switch button on the tailgate. Release it after hearing two short beeps - the closing speed-up function has taken effect.

(There are five speed levels. Repeat this process to increase the speed by one level.)

3 Adjusting Opening Speed

Press and hold the switch button on the tailgate. Release it after hearing three short beeps - the opening speed-up function has taken effect.

(There are five speed levels. Repeat this process to increase the speed by one level.)

4 Adjusting Braking Force

Press and hold the switch button on the tailgate. Release it after hearing one long beep and one short beep - the braking force has been increased.

(There are five levels. Repeat this process to increase the level by one.)

5 Switch Reminder Sound Toggle

Press and hold the switch button on the tailgate. Release it after hearing one long beep and two short beeps - the switch reminder sound toggle has taken effect. (Default is silent. Repeat the setting to cycle through the options.)

6 Enter the Voice Wake-Up Word and Command Word Modification Menu

Press and hold the switch button on the tailgate. Release it after hearing one long beep and three short beeps - the voice wake word and command word modification menu entered.

7 Voice Switch Power-Off Toggle Between 72 Hours and 0.5 Hours

Press and hold the switch button on the tailgate. Release it after hearing two long beeps and one short beep - the voice switch power-off toggle between 72 hours and 0.5 hours has taken effect.

8 Voice Switch On and Off

Press and hold the switch button on the tailgate. Release it after hearing two long beeps and two short beeps - the voice switch ON/OFF toggle has taken effect. (Default is ON. Repeat this step to cycle through the options.)

9 Kick Sensor On and Off

Press and hold the switch button on the tailgate. Release it after hearing two long beeps and three short beeps - the kick sensor ON/OFF toggle has taken effect. (Default is ON. Repeat the setting to cycle through the options.)

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

Press and hold the switch button on the tailgate. Release the switch after hearing three long beeps and one short beep - the toggle between double and triple tapping has taken effect. (Default is triple tapping. Repeat this step to cycle through the options.)

11 Tap Sensor On and Off

Press and hold the switch button on the tailgate. Release the switch after hearing three long beeps and two short beeps - the tap sensor ON/OFF toggle has taken effect. (Default is ON. Repeat this step to cycle through the options.)

12 Toggle Between 2-Press and 3-Press of the Unlock Button On Remote Key

Press and hold the switch button on the tailgate. Release the switch after hearing three long beeps and three short beeps - the toggle between 2-press and 3-press has taken effect. (Default is 3-press. Repeat this step to cycle through the options.)

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

Press and hold the switch button on the tailgate. Release the switch after hearing four long beeps and one short beep - the toggle between quick press and slow press has taken effect. (Default is quick press. Repeat this step to cycle through the options.)

14 Factory Reset

Press and hold the switch button on the tailgate. Release the switch after hearing five long beeps. The factory reset has taken effect.

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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