Vehicle-Specific Power Tailgate Lift System

Toyota Prado

2024-2025

Part no. ARTPRD24



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.

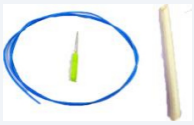
In the Box

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



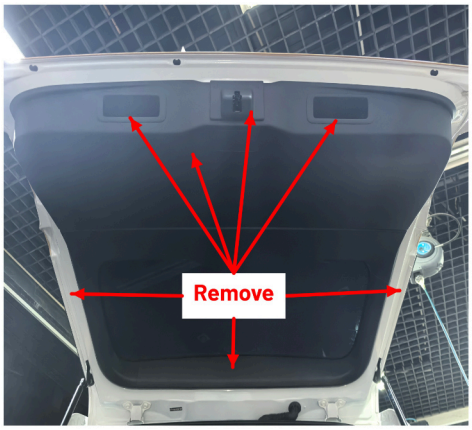
1 Remove the indicated driver side trim panels.



2 Remove the indicated rear right side door sill panel and B-pillar trim panel.



3 Remove the indicated boot trim panels, floor mat and storage box.



4 Remove the indicated tailgate trim panels.



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



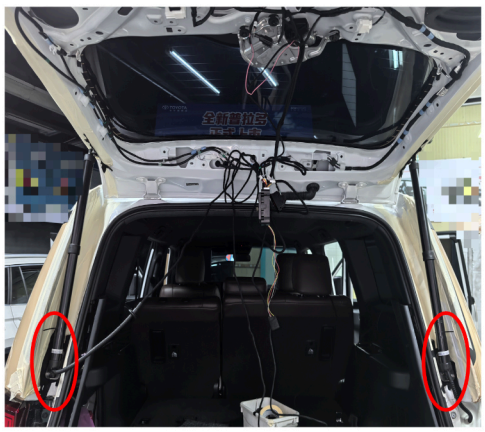
6 Replace the left body bracket.



7 Replace the right body bracket.



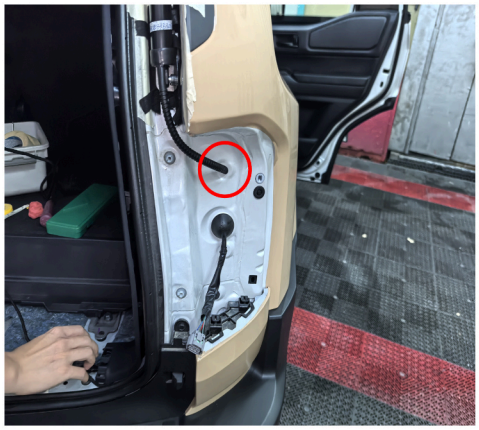
8 Replace the tailgate brackets on both sides of the tailgate.



9 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 be on the vehicle body.



10 Remove the taillights on both sides.



11 Remove the upper hole plug and thread the strut wire harness through the hole into the vehicle body.



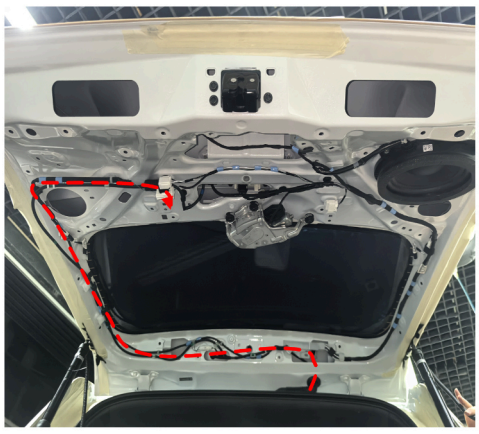
12 Reinstall the taillights, ensuring the strut wire harness is correctly positioned.



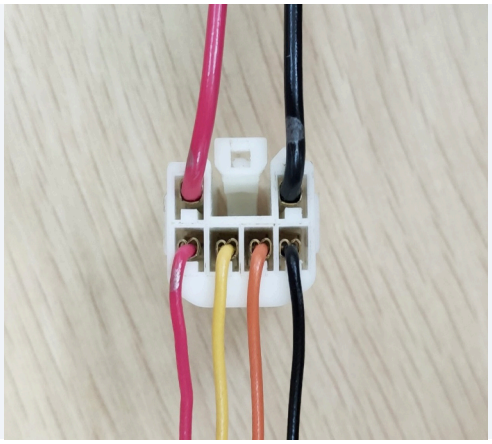
13 Reinstall the trim panels.



14 Route the left and right strut wire harnesses to the tailgate as indicated.



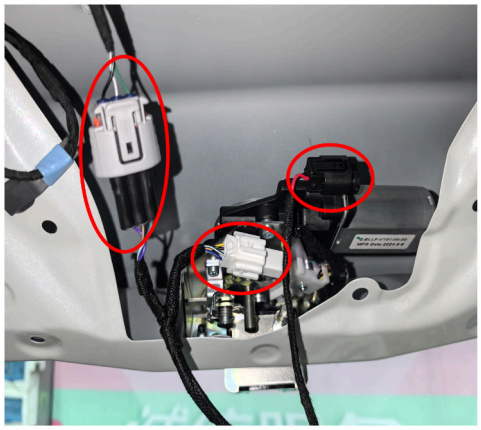
15 Route the strut wire harness along the vehicle's factory harness.



16 Insert the strut wire harness terminals into the connector as shown in the diagram. (This connector plugs into the tailgate ECU.)



17 Remove the factory latch.



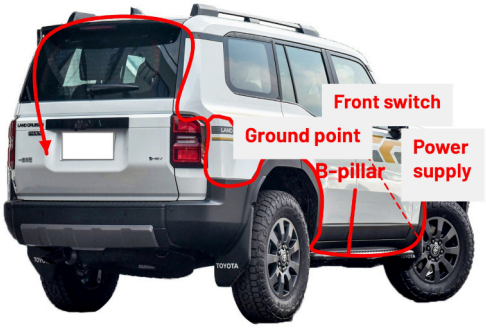
18 Connect the lock signal harness connectors to the power latch.



19 Install the power latch.



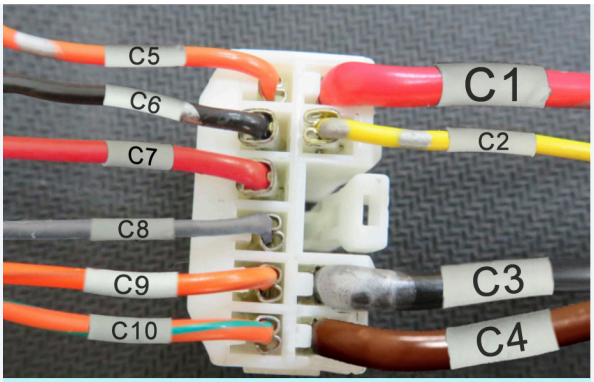
20 Connect the lock signal harness connectors to the factory tailgate switch.



21 Route the power harness to the tailgate as indicated.



22 Secure the ground wire connector to the factory grounding point on the right side of the boot.

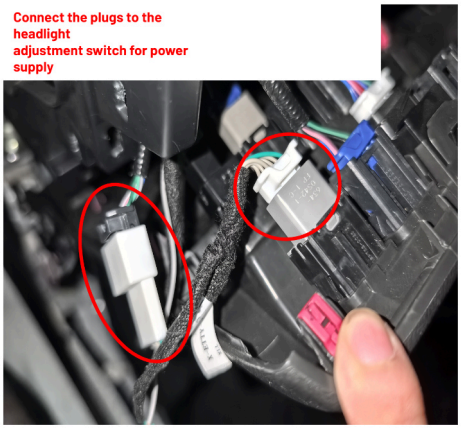


Note: For models with fewer than 10 wires, just insert them according to the corresponding label or color.

23 Insert the power harness terminals into the connector as shown in the diagram. (This connector plugs into the tailgate ECU.)



24 Remove the blank button from the switch panel and install the front switch.



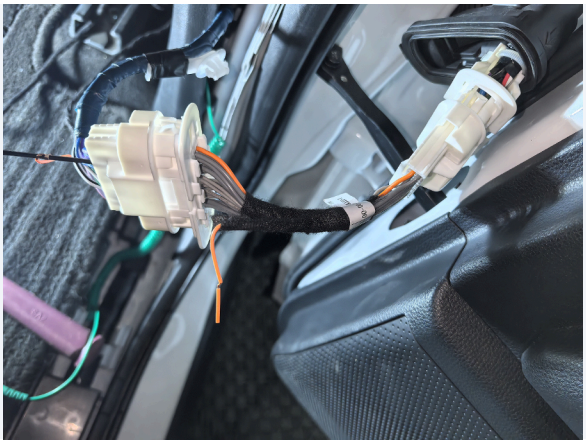
25 Connect the connectors to the headlight adjustment switch to supply power.



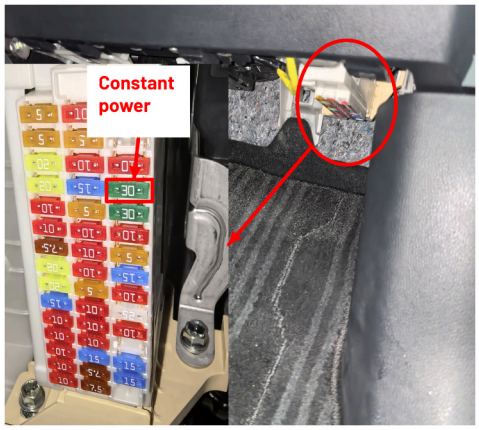
26 Install the front switch.



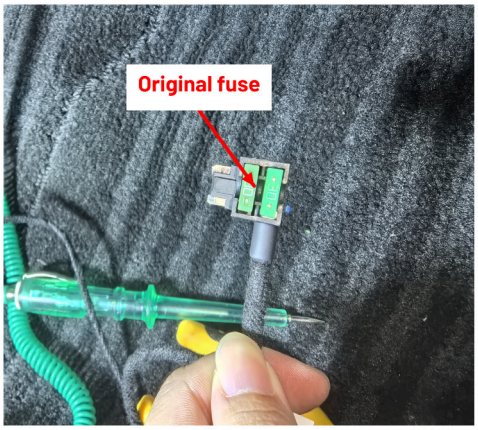
27 Locate the B-pillar connectors at the rear right B-pillar.



28 Connect to the B-pillar connectors.



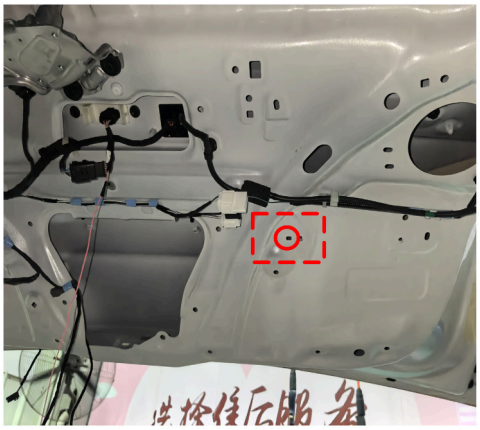
29 The fuse slot for the power supply is shown.



30 Move the fuse from the fuse box to the fuse tap.



31 Plug the fuse tap into the fuse box and pay attention to the direction.



32 Secure the tailgate ECU bracket at the indicated location.



33 Fit the tailgate ECU into its bracket and tie the wire harnesses to the original wire harnesses.



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



35 Press the new tailgate switch once to close the tailgate. The system will complete initialisation; test each function of the electric tailgate.



36 Remove the original tailgate handle, install the new tailgate switch, and 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 3 times;
   - Press the front switch in the driver's area;
   - 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.

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 height setting has taken effect.

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 unlock button's quick-press/slow-press setting has been toggled.

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

1. Press and hold the switch button until hearing the seventh short beep sound.
2. Release the button; a long beep followed by two short beeps confirms the unlock button's double-press/triple-press setting has been toggled.

8 Adjusting Braking Force (5 Levels)

1. Press and hold the switch button until hearing the eighth short beep sound.
2. Release the button; a long beep followed by three short beeps confirms the unlock button's double-press/triple-press setting has been toggled.

9 Factory Reset

1. Press and hold the switch button until hearing the ninth short beep sound.
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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