Vehicle-Specific Power Tailgate Lift System

Toyota Kluger

2015-2021

Part no. ARTHLD15



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 front passenger side trim panel and door sill panel.



2 Remove the rear left side door sill panel.



3 Remove the tailgate trim panels.



4 Remove the trim panel on the left side of the boot (the screws are indicated by circles in the diagram).



5 Remove the factory latch and install the power latch.



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



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



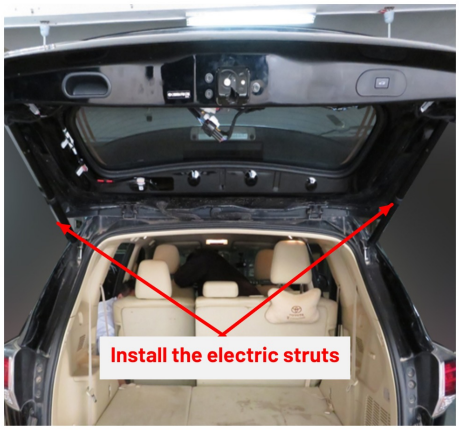
8 Install the new tailgate switch at the tailgate handle.



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



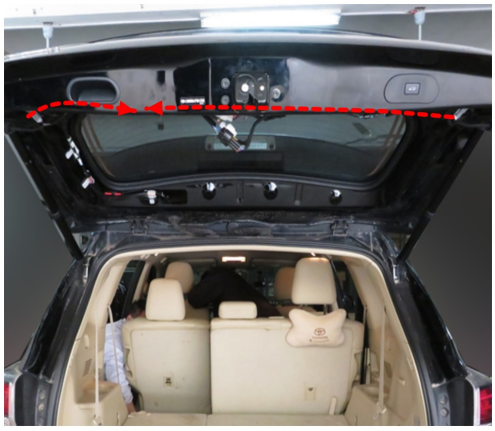
10 Replace the left and right body brackets.



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



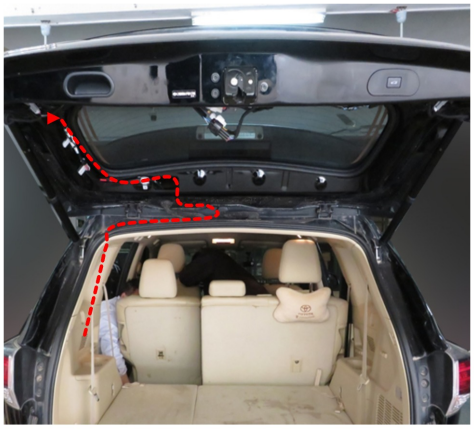
12 Use a 21mm hole saw to cut a hole at the indicated position on the tailgate. Repeat on both sides.



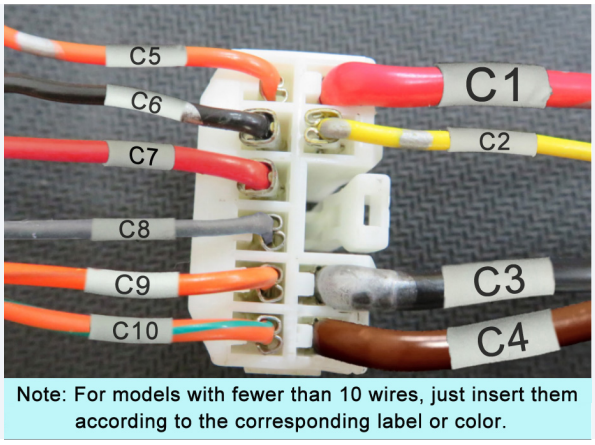
13 Route the strut wire harnesses.



14 Seal the left and right holes with rubber plugs.



15 Route the power harness to the tailgate. Do not connect power until the terminals are inserted into the wire harness connector.



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

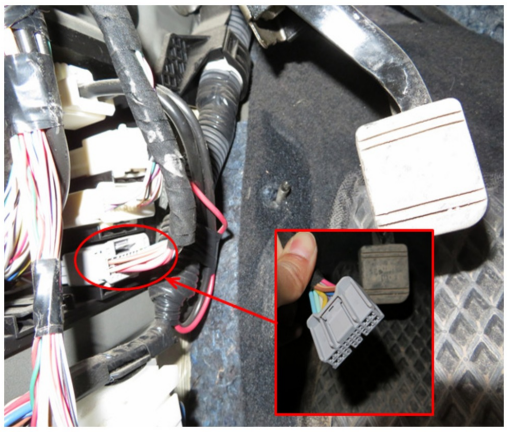
16 Insert the power harness terminals into the wire harness connector as shown above.



17 Route the power harness.



18 Secure the ground wire connector to the factory grounding point on the left side of the tailgate.



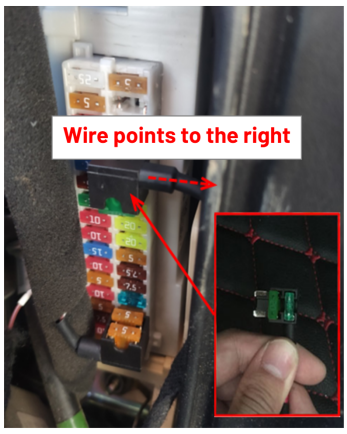
19 Connect the power harness to the signal plug and socket on the left side of the front passenger seat.



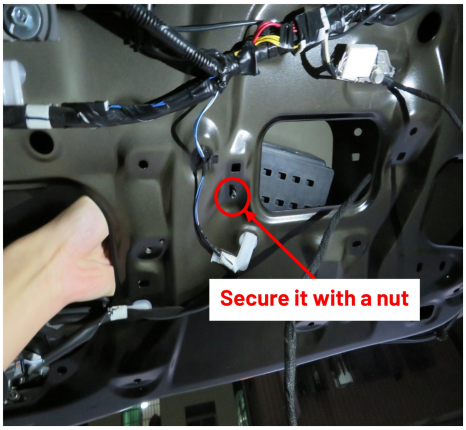
20 Remove the blank button from the switch panel and install the front switch.



21 The constant power fuse slot location is indicated above (fourth in the first row).



22 Move the constant power fuse from the fuse box to the fuse tap, then plug the fuse tap into the fuse box.



23 Secure the tailgate ECU bracket at the indicated hole on the right side of the tailgate.



24 Insert the strut wire harnesses①②, lock signal harness③, and power harness④ into the tailgate ECU in sequence and then mount the tailgate ECU on its bracket.



25 Initialise the system, then test each function of the electric tailgate.



26 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 it; 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 unlock button in the driver's area 3 times.
   - Press the exterior tailgate switch.
   - Press the newly installed tailgate switch.
   - Press the front switch: hold for 4 seconds to open, or press briefly 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.

3. **Memorising the Height:**

   Open the tailgate to the desired height. Press and hold the newly installed tailgate switch, then release it when you hear a long beep. The height is now memorised.

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

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.

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