Vehicle-Specific Power Tailgate Lift System



Mercedes GLA

2016-2021

Part no. ARMGLA16

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 trim panels of the tailgate and boot.



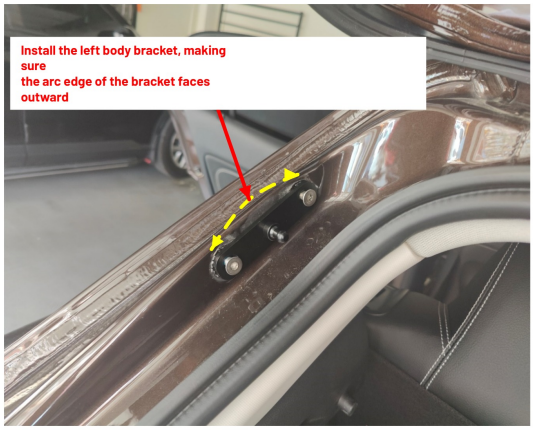
2 Remove the panel to the right of the driver's seat and lift the floor mat to locate the fuse box.



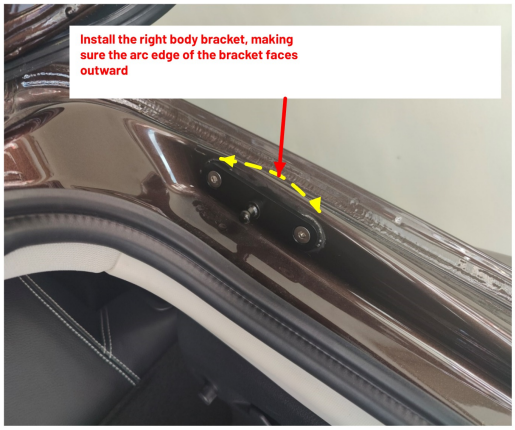
3 Remove the rear right door sill panel to allow the power harness to pass through.



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



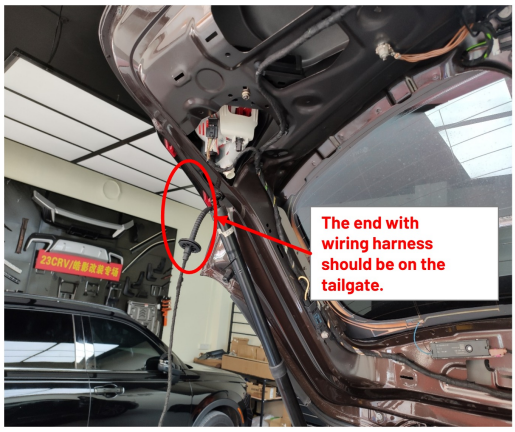
5 Install the left body bracket, making sure the arc edge faces outward.



6 Install the right body bracket, making sure the arc edge faces outward.



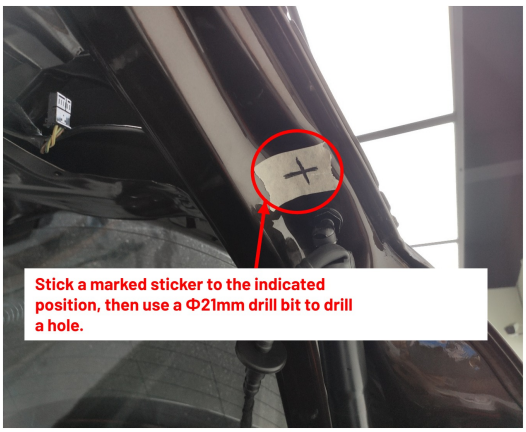
7 Replace the ball studs on both sides with the ones provided.



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



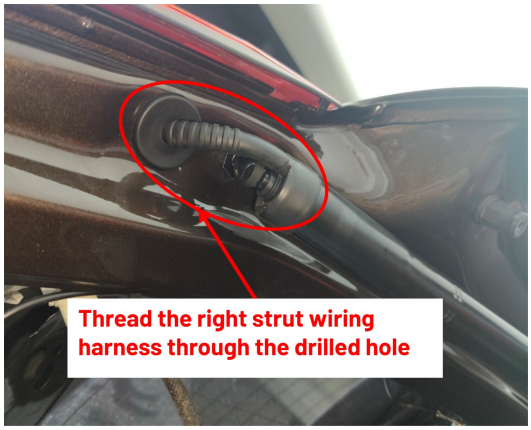
9 Remove the right taillight to prevent damage during drilling.



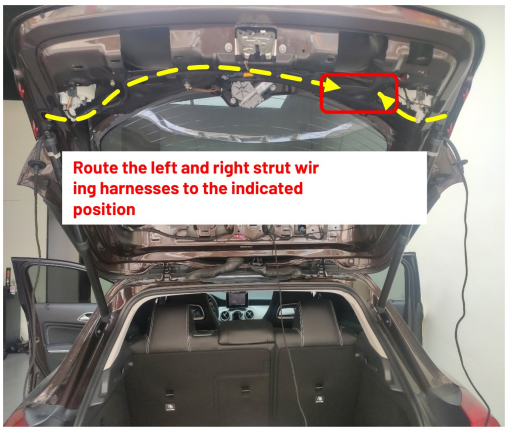
10 Attach the marked sticker to the indicated position, then drill a hole using a 21mm drill bit.



11 Reinstall the taillight after drilling the hole.



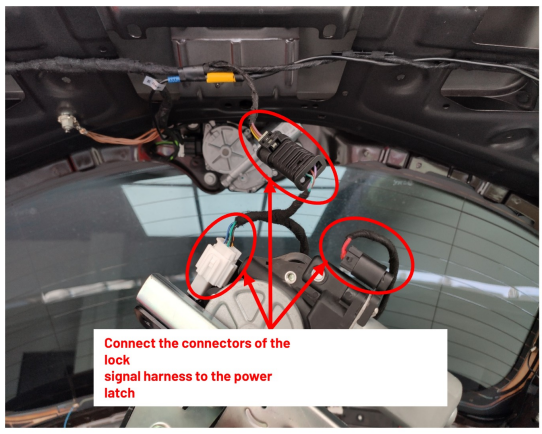
12 Thread the right strut wire harness into the tailgate through the drilled hole.



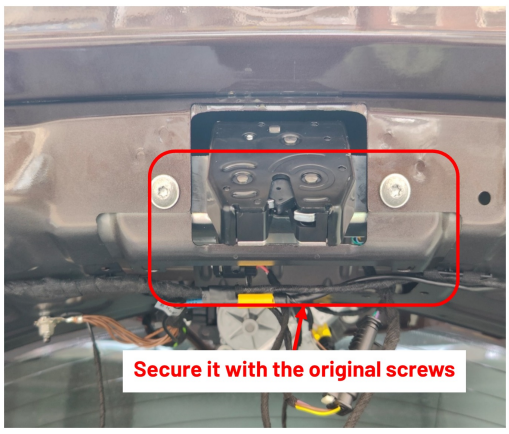
13 Route the left and right strut wire harnesses to the indicated position for easy connection to the tailgate ECU.



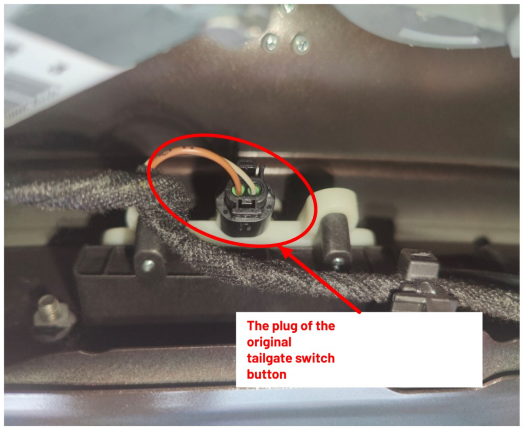
14 Remove the factory latch.



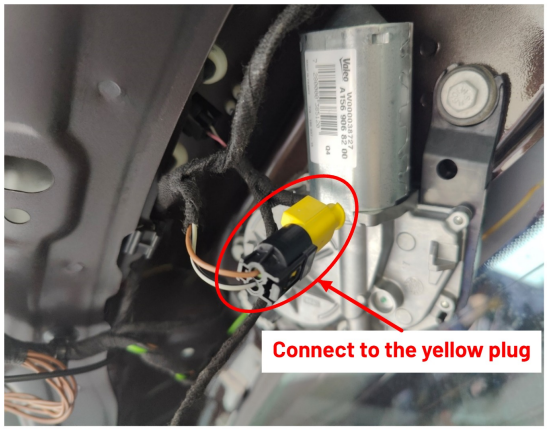
15 Connect the connectors of the lock signal harness to the power latch.



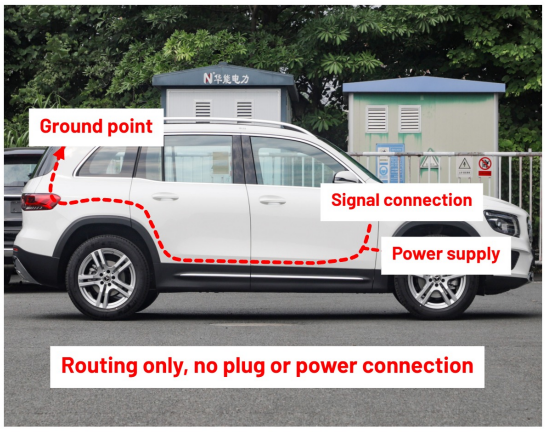
16 Install the power latch and secure it with the factory screws.



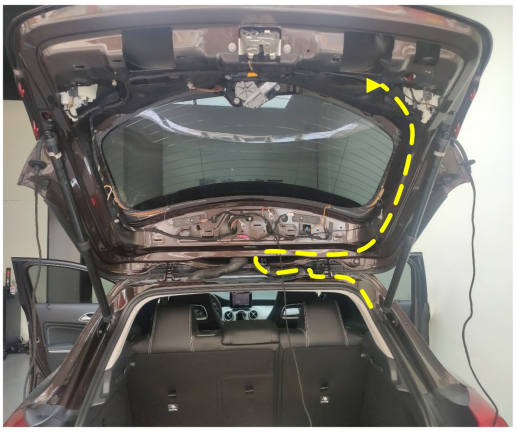
17 Locate the plug for the factory tailgate switch and unplug it.



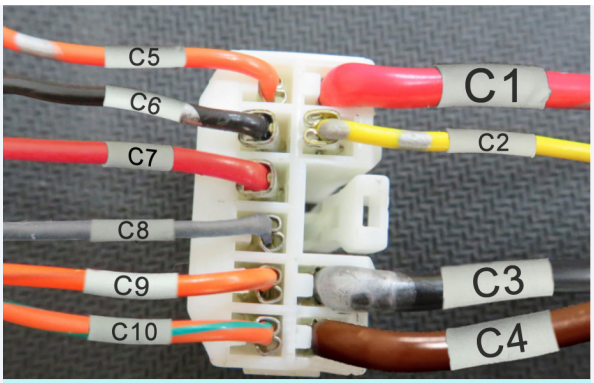
18 Connect the lock signal harness plugs to the factory tailgate switch plug.



19 Route the power harness alongside the factory wire harness.

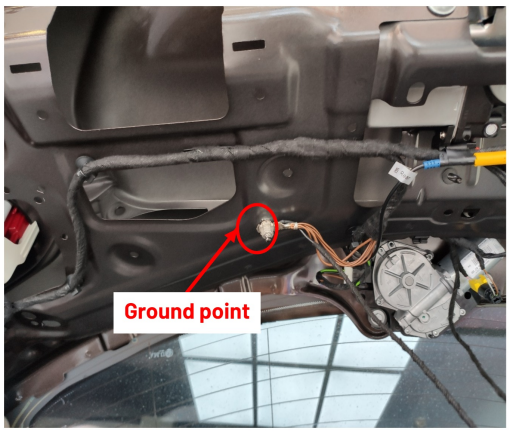


20 Route the power harness to the tailgate; do not connect it yet.

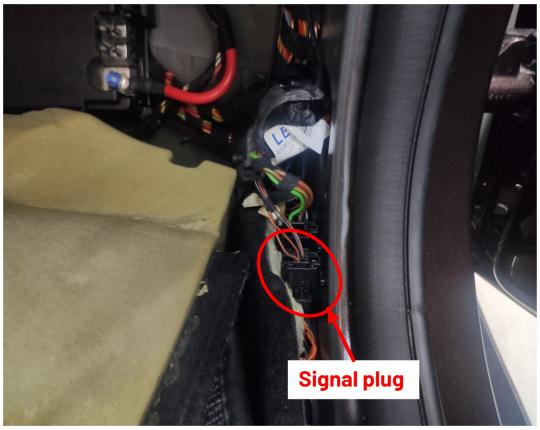


Note: For models with fewer than 10 wires, just insert them according to the corresponding label or color.

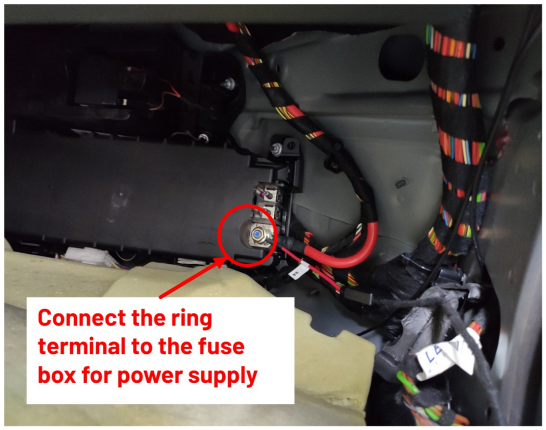
21 Insert the power harness terminals into the wire harness connector as shown above.



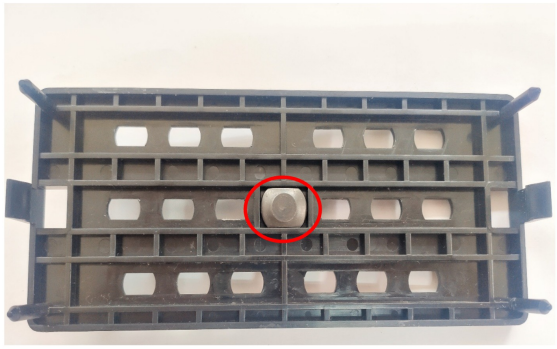
22 Secure the ground wire connector to the factory grounding point on the tailgate.



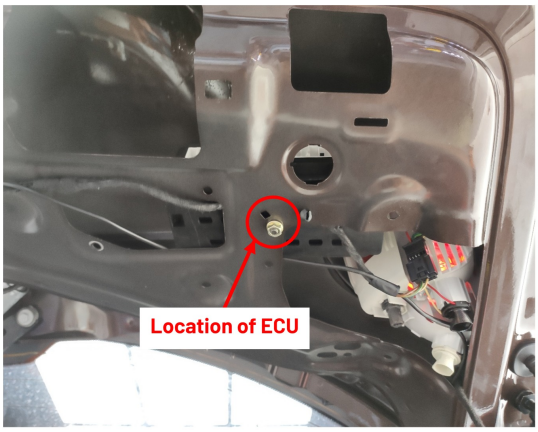
23 Connect the power harness signal connectors to the indicated signal plug and socket.



24 Connect the ring terminal to the fuse box beside the front right door for power supply, and secure it with a nut.



25 Put a bolt on the bracket and then mount the tailgate ECU onto the bracket.



26 Place the tailgate ECU at the indicated hole with its sockets facing out and secure it with a nut.



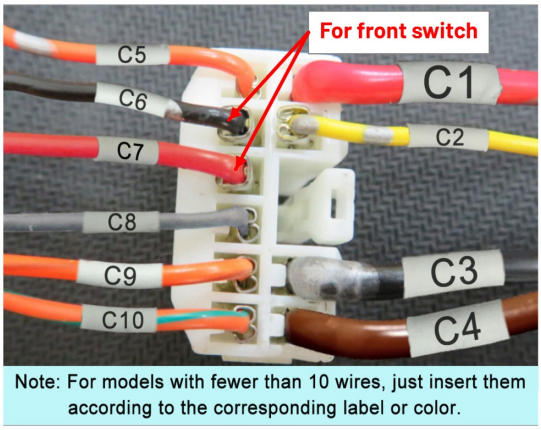
27 Insert the strut wire harnesses ①②, lock signal harness ③, and power harness ④ into the tailgate ECU in sequence.



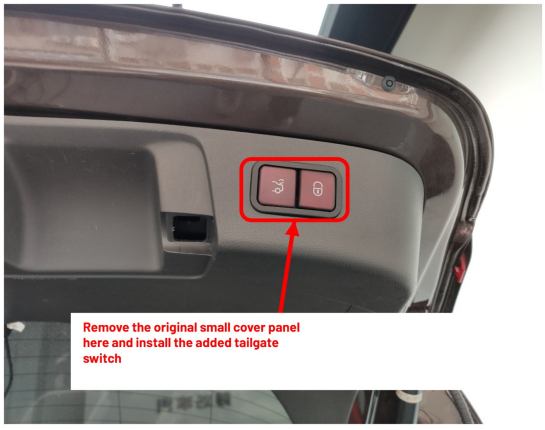
28 Press the new tailgate switch to close the tailgate, then open it to complete system initialisation. Then test each function of the electric tailgate.



(Optional) Drill a 21mm hole with the provided hole saw and fit the front switch.



Insert the two terminals of the front switch extension wire into the power harness connector according to the wire label.



29 Reinstall all the trim panels and install the new tailgate switch (check that it springs back normally when pressed; if there is any interference, use a small knife to scrape away the interfering part of the trim panel).

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: press and 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 memory is complete.

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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