

# Electric Motor, tailgate installation instruction

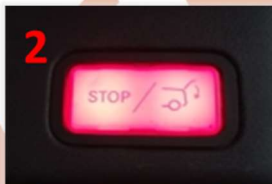
**For at numbers: at11924; Application: MERCEDES BENZ ML350 W166**

## Electric Motor, tailgate installation and removal instructions

**Note: Make sure the seal is complete before installation**



1. Find the defective power lifter by using diagnostic device.
2. Open the tailgate (Caution: Risk of injury! Make sure the tailgate is fully supported in the open position).
3. Measure and record the opening height.
4. Remove the plug from rear lamp side panel with suitable tool, remove the decorating plate.
5. Remove the screws that hold the right-side panel of the trunk with suitable tool (two in the storage slots, two in the middle of hooks, one behind the seat).
6. Open the decorating plate on the right side of the trunk, remove the power plug-in of power lifter (blue).
7. Pull out the rubber sealing that connection between wire of power lifter and car body, pull out the wire of power lifter from the hole of body through gap carefully.
8. With a suitable tool, loosen safety clip from drive's ball pivot seat at the body and remove.
9. Repeat for drive's location on the tailgate / If replacing both sides, repeat steps 8 and 9 on the other side.  
Reverse sequence of instructions to install /.
10. Install power lifter (first tailgate, then body), tear off the seal after installation.
11. Guide connector through cable routing and connect - Important: Check cable routing for proper seat and latching.
12. Insert rubber grommet - Important: Check that the installation is correct to ensure proper seal  
Installation the decorating plate.
13. Installation the decorating plate. Tighten the screws on the decorative plate
14. Installation the rear lamp side panel and recover the plate.
15. Initialize power lifter drive using a suitable tester according to manufacturer's instructions.



**Note:** This method should only be used if multiple attempts to open and close the door after installing the struts have been unsuccessful (e.g., the door cannot reach the proper position when opening or closing; a warning sound is emitted during operation and the struts stop moving). If the seal was torn off and the struts were rotated before the installation was completed, calibration failure may occur.

### Instructions:

1. Repeat Steps 8 and 9 from the Installation and Removal Instructions: Remove the power liftgate struts but hold them in place (do not disconnect the power plug).
2. Activate the Door Switch: Press the switch on the door panel. Proceed to the next step before the power liftgate stops moving.
3. Manually Lock the Tailgate Latch: Use a suitable tool to manually engage the tailgate latch.
4. Reactivate the Door Switch: Press the door switch again and

allow the power liftgate to run until it stops automatically.

5. Confirm Ball Joint Alignment:
  - Check the orientation of the ball joints at both ends of the struts.
  - Ensure the harness end aligns with the vehicle body ball stud.
  - If misaligned, first align the harness end ball joint.
  - Then, rotate the ball joint at the opposite end clockwise until it aligns with the tailgate ball stud.
6. Reinstall the Power Liftgate Struts: Attach the struts back onto the vehicle—first to the tailgate and then to the vehicle body.
7. Repeat Step 15 from the Installation and Removal Instructions.

**\*Important: Always follow all safety precautions outlined in the main installation manual.**