Installation Manual

| Compatible Model	Benz E-Coupe
Year	2012

1. Points to note

● For safety and to ensure the proper use of product, please ask a professional technician to install. Do not disassemble and install it privately in case of damaging product and installation accidents.

● Please arrange each wiring harness according to the wiring method in this manual, be sure to tie each wiring harness to the vehicle's original wiring harness with cable ties. Make sure the wiring harnesses are not located at the fasteners or screw holes to avoid the wiring harnesses crushed by the vehicle interior trim panel buckles and screws during the installation process.

● Because some of the wiring harness terminals (as shown in the red ellipses below) are not inserted into the wiring harness connectors during manufacture, please insert terminals into the wiring harness connector first to avoid short circuit between terminals after the wiring harnesses have been arranged, then connect other plugs of the wiring harnesses (as shown in the blue ellipses below) with the original plugs.

● Check the function display of instrument panel before installation, whether the button of the vehicle is working properly, whether the doors and windows work properly while opening and closing, whether there are scratches on the internal and external surfaces of the vehicle; and report to the customers in a timely manner if there are any problems.

● During the process of disassembly and assembly, do not carry metal ornaments and other hard objects with you to prevent damage to the paintwork, seats and interior. Be sure to place the removed trim components properly to avoid scratching them.

● All the pictures in this manual are for reference only, vehicle models with different configurations may have different pictures, but the installation methods are the same.

2. Installation tools

Threading tools   Quick release ratchet wrench set

Electric drill and drill bits   Other tools
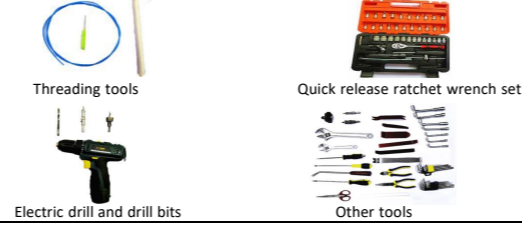
3. Product list

No.	Name	QTY	Picture
①	Strut	2	
②	ECU	1 set	
③	Wiring harness	1 set	
④	Power latch	1	
⑤	Added tailgate switch	1	
⑥	Other parts (screws, brackets, etc.)	1 set	Omitted

Remove these trim panels

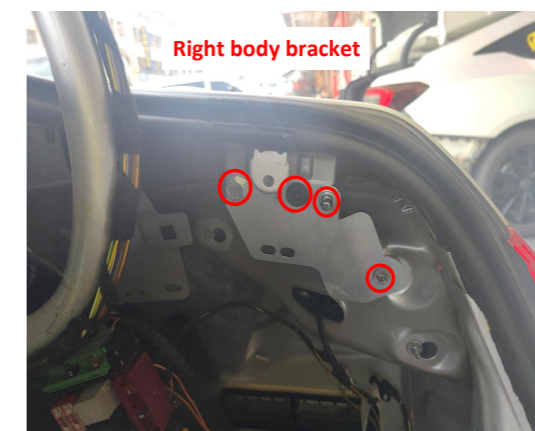1. Remove the indicated trim panels from the tailgate, hinges and trunk.

Remove the left and right

2. Remove the springs on both sides of the trunk.

Remove the spring hangers from the left and right hinges

3. Remove the spring hangers from the left and right hinges.

Left body bracket
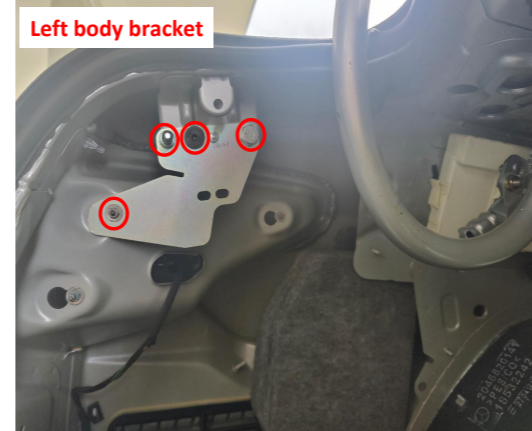
4. Install the bracket on the left side of the trunk.

Right body bracket

5. Install the bracket on the right side of the car body.

Left tailgate bracket

Vacant hinge hole
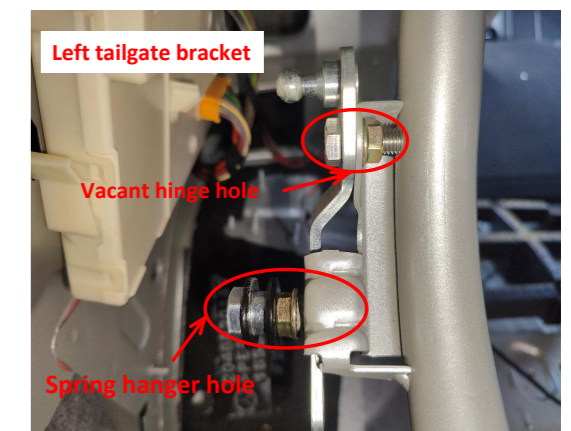
Spring hanger hole

6. Install the left tailgate bracket to the vacant hinge hole and the spring hanger hole.

Right tailgate bracket

Vacant hinge
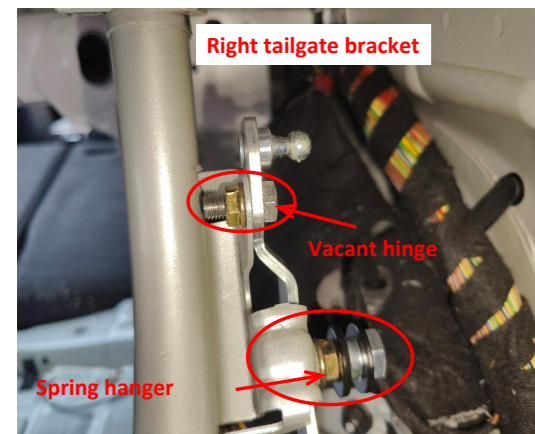
Spring hanger

7. Install the right tailgate bracket to the vacant hinge hole and the spring hanger hole.

8. Install the left electric strut, L on the left and R on the right (the first letter of the strut code), making sure the end with wiring harness points outward.
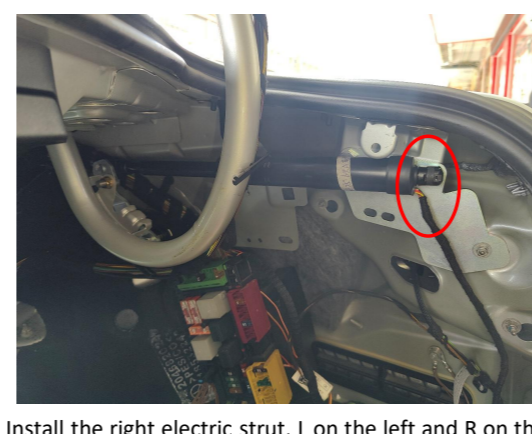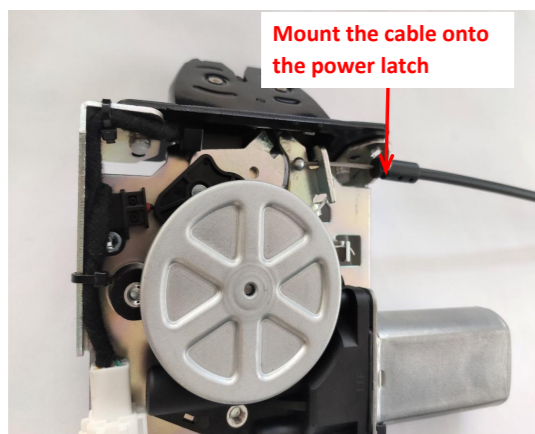
9. Install the right electric strut, L on the left and R on the right (the first letter of the strut code), making sure the end with wiring harness points outward.

Short end of the spring

Hang the long end on the middle of the two shims
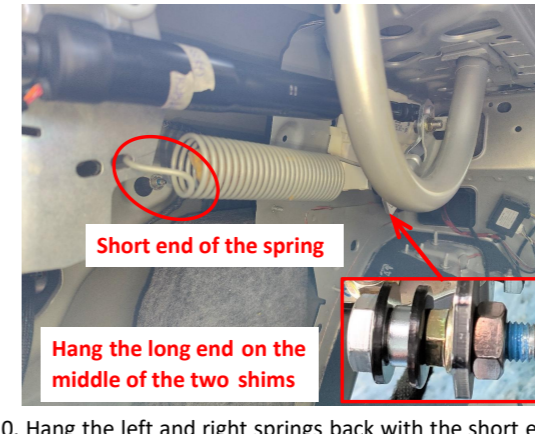
10. Hang the left and right springs back with the short end hanging on the body bracket and long end hanging on the middle of the two shims.
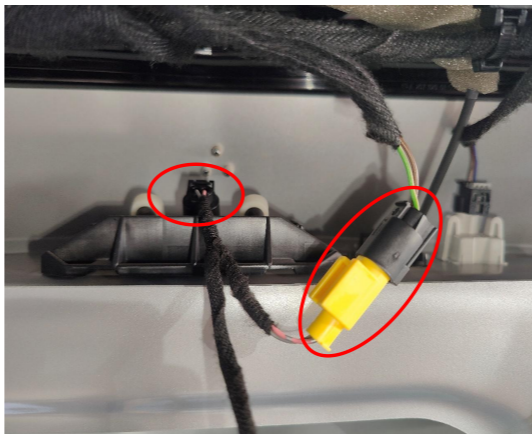
Remove the original latch and

11. Remove the original latch and cable, and remember to keep the screws.

Mount the cable onto the power latch

12. Mount the cable onto the power latch.

Connect the plugs of the lock signal harness to the plugs of the power latch

13. Connect the plugs of the lock signal harness to the plugs of the power latch.

14. Connect another pair of plugs of the lock signal harness to the plug of the original tailgate switch.

Secure the emergency cable

15. Secure another end of the emergency cable.

Install the power latch and manually adjust the latch to the locked state

16. Install the power latch with original nuts and manually adjust the latch to the locked state to prevent accidental closing during the installation process.
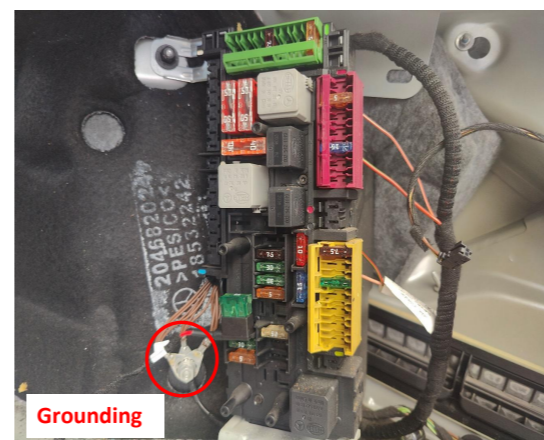
Hide the emergency wires here

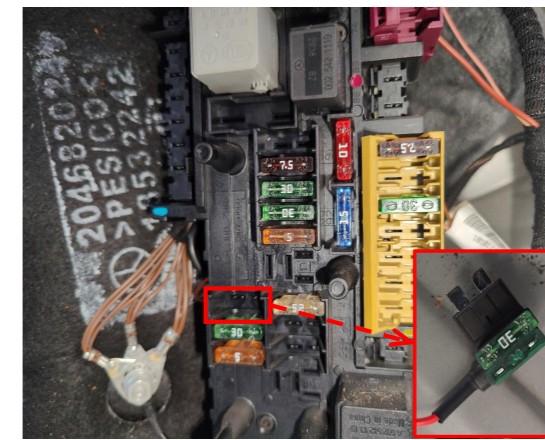17. Route the lock signal harness and the right strut wiring harness to the ECU's location.

18. Route the emergency wires from the trunk to the left side of the rear seat and hide them here.
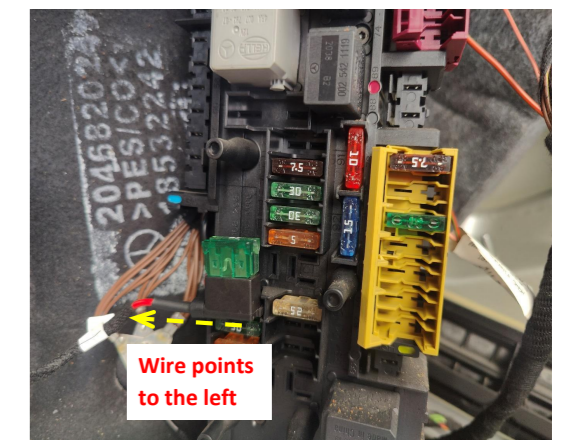

Grounding

19. Ground at the indicated position on the right side of the trunk.

20. The fuse box is located at the right side of the trunk and move the fuse from the indicated slot to the fuse tap.
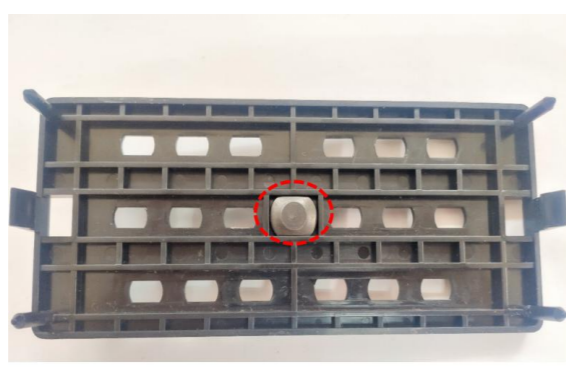

Wire points to the left

21. Plug the fuse tap into the slot with wire pointing to the left.
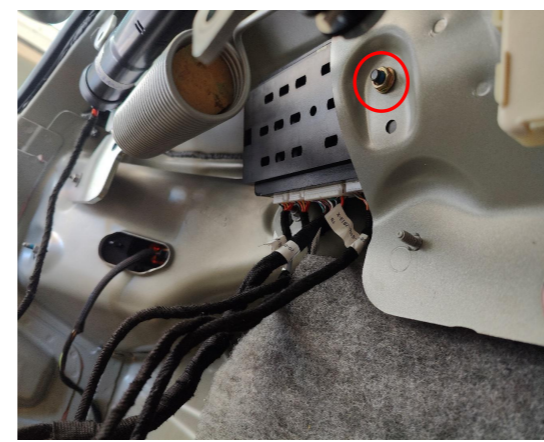

22. Route the power harness to the left side of the trunk.

**The screw can be freely adjusted on the bracket.
Find an appropriate location for easy installation.**

23. Place a bolt on the bracket and mount the ECU onto it.

24. Fix the ECU to the indicated hole with a nut.

①
②
③
④

25. Insert the strut wiring harnesses ①②, lock signal harness ③, and power harness ④ into the ECU in sequence.

26. Manually close the tailgate to the position where it just touches the striker, then open the tailgate with the original tailgate switch to complete system initialization, and test each function of the electric tailgate.
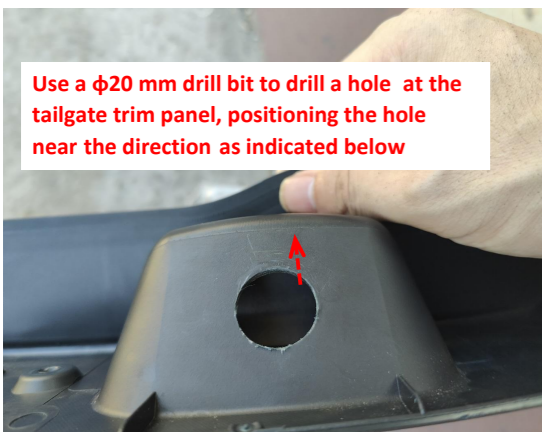
Use a φ20 mm drill bit to drill a hole at the tailgate trim panel, positioning the hole near the direction as indicated below

27. Use a φ20 mm drill bit to drill a hole at the tailgate trim panel.

28. Install the added tailgate switch and reinstall all the trim panels.

5. System initialization method
1. Press the added tailgate switch button to make the tailgate close automatically;
2. Press the switch button outside the tailgate to open the tailgate and it will make a long sound of "beep".
3. The system initialization is complete.

6. Instructions for the electric tailgate
1. Methods to open and close the tailgate:
●Press and hole the tailgate on the remote key;
●Press the tailgate button at the driver's area;
●Press the original tailgate switch button;
●Press the added tailgate switch button.

2. Method to pause the tailgate:
During the operation of the tailgate, press the button with any of the above methods, and the tailgate will be paused. Press again, and the tailgate will move in reverse.

3. Method to memorize the height:
Open the tailgate to the height you want to set, long press the added tailgate switch, and release the switch after hearing a long "beep ----" .
The height memory is complete.
Tip: During the operation of the tailgate, pause the tailgate, and then push the tailgate to the ideal height with your hand.

4. Meanings of the buzzer sound:
"Beep" once: Receiving an open/close or pause signal, the tailgate will immediately open/close or pause;
"Beep" twice: The tailgate has been fully opened or closed;
"Beep" three times：The resistance during opening or closing the tailgate is too large, and the intelligent anti-pinch has been turned on;
Long sound of "beep": The height memory is complete.