



iPE Exhaust

Automotive exhaust system engineering

***Mercedes-Benz
G500/G63AMG (W464)***

Product installation instructions






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(1) Important message

1. Please read the installation manual before installing the iPE exhaust pipe.
2. Please install by the technician of the car exhaust system or familiar with the iPE exhaust system.
3. This manual provides detailed installation instructions to ensure proper installation and use of iPE exhaust pipe; in case of improper use and disassembly, the company does not assume any responsibility for loss and personal injury.
4. When installing the iPE exhaust pipe, please lock according to the torque value of the manual to avoid abnormal damage to the screws and nuts.
5. If the exhaust pipe of the car is still at a high temperature, please wear insulated gloves for the exhaust pipe installation work, or install it after cooling down.
6. Before starting, be sure to wipe off the oil on the exhaust pipe to avoid burning and high temperature.
7. The iPE exhaust pipe is designed according to the original engine data. If the computer is upgraded to change the engine parameters, the exhaust pipe may generate resonance, resonance or other abnormal sound. IPE can provide a modified version of the exhaust pipe for such vehicles.
8. If you have any questions about this installation instruction or the use of the iPE exhaust pipe, please contact your local iPE partner or contact us at info@ipe-f1.com

(2) Tools required for the operation process

Tool name	Tool appearance
Rust inhibitor / lubricant	
Hexagon socket 10、12、13、14mm	
Hexagon wrench 12、13、14mm	
Torque wrench	
Twelve-Polints Socket	

(3) Product assembly appearance



(4) Steps for disassembling the original exhaust and related key points

1. Pull out the original left and right muffler electronic motor plugs (Fig. 1, 2)

(figure 1)



(figure 2)

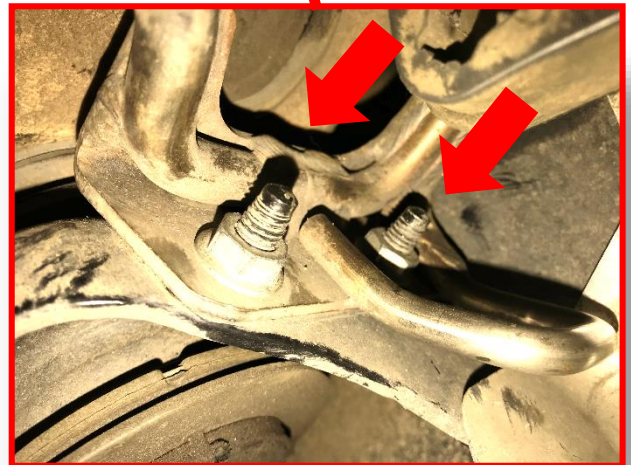
2. Remove the muffler lug screws (Figure 5)
3. Remove the collar of the muffler and the contact of the catalyst section iron (Figure 3), and remove the original muffler



(figure 3)



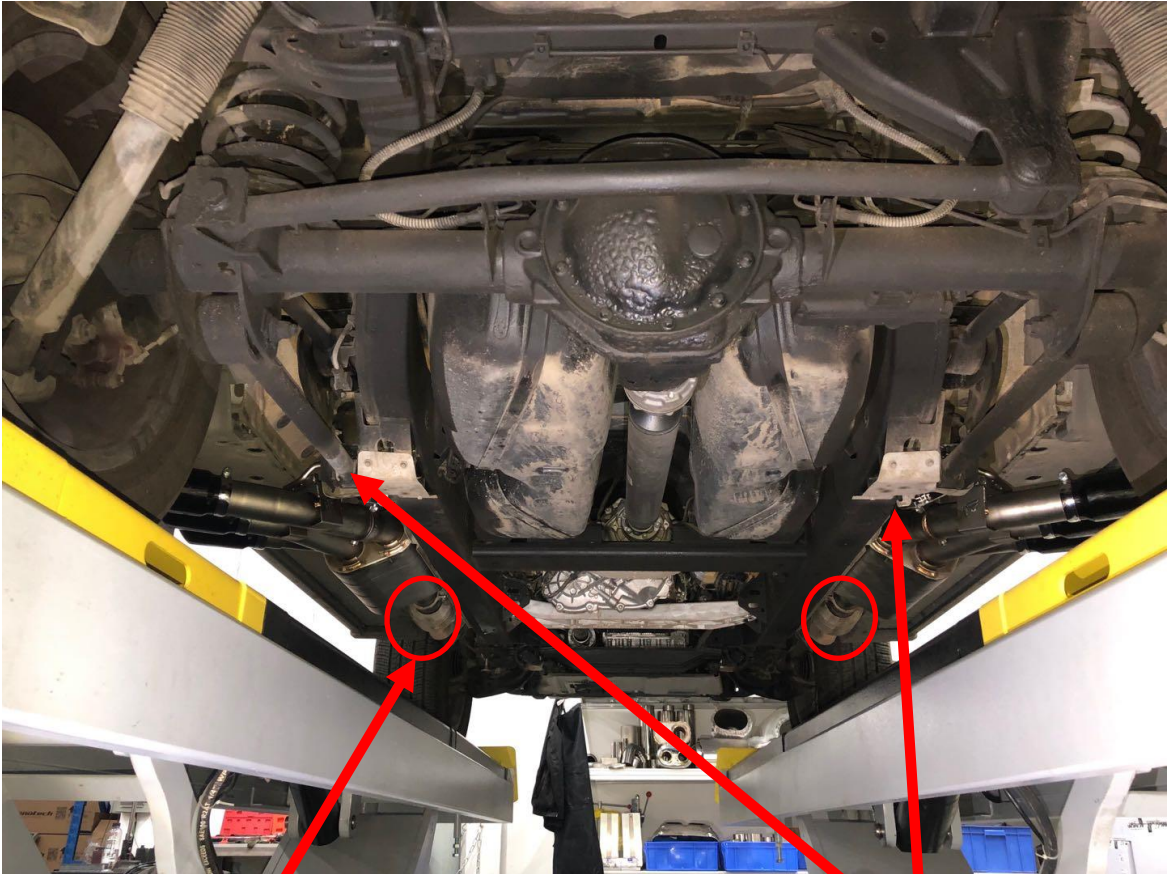
(figure 4)



(figure 5)

(5) Steps and related points for installing the IPE exhaust

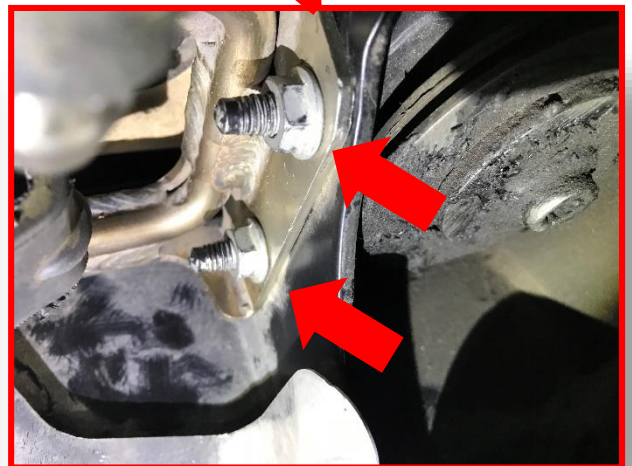
1. Lock the muffler lifting lugs (Fig. 6, 8) and the catalyst section collar (Figs. 6, 7), and do not lock the collar first.



(figure 6)



(figure 7)

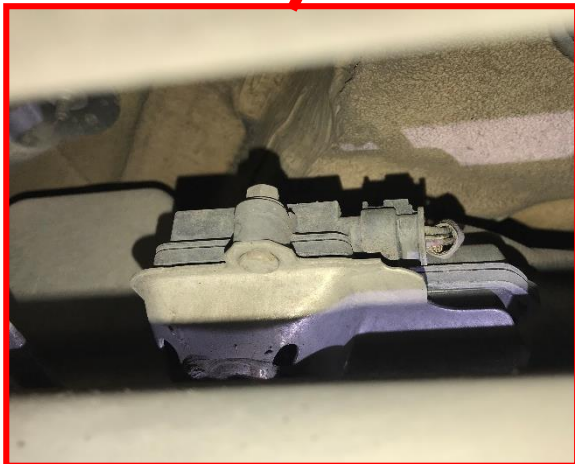


(figure 8)

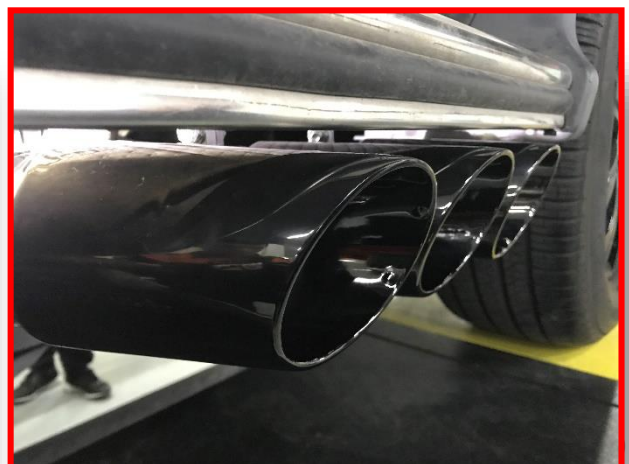
2. First take a tip to compare the height of the muffler exit. After adjustment, lock the bundle ring, install the tips, adjust the connection between the tips and the chassis (Figure 11), lock the muffler and the catalyst beam loop
3. Plug the electronic motor plug (Figure 10)



(figure 9)

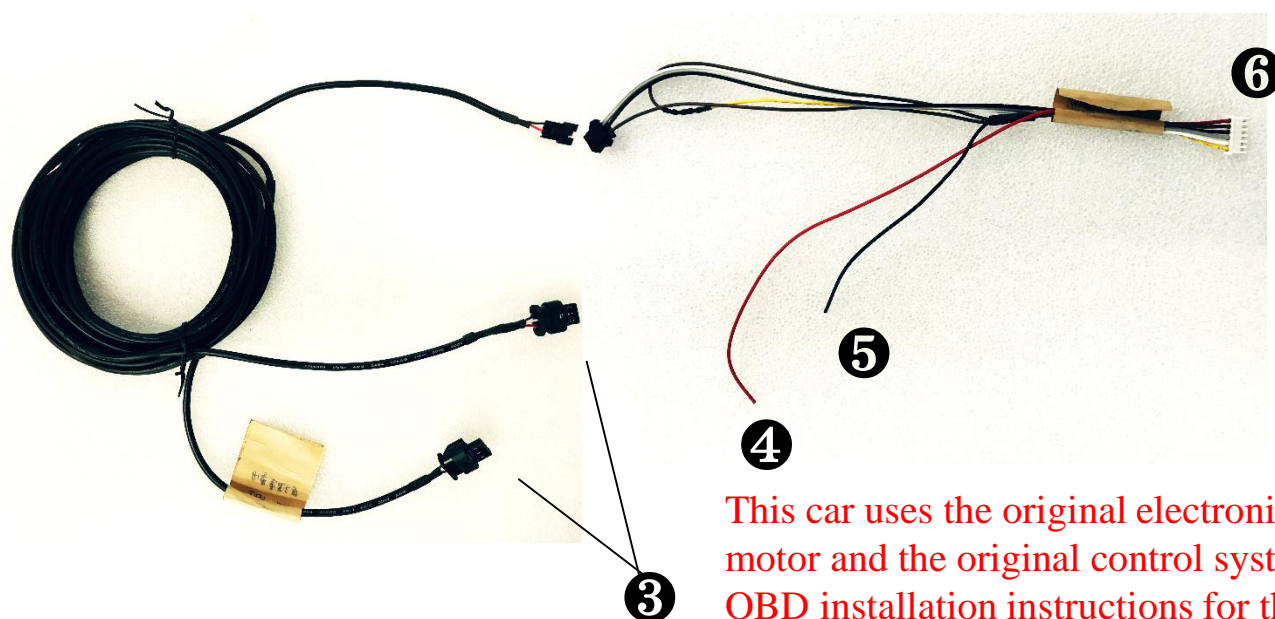


(figure 10)



(figure 11)

(6) Installation of control box and wiring



This car uses the original electronic motor and the original control system, OBD installation instructions for the optional OBD control system

Number	Product name	Number	Product name
1	OBD2 connector	4	Red (ACC positive)
2	Solenoid valve controller	5	Black (negative)
3	Benz electronic motor plug (3pin)	6	OBD2 connector cable (1.5kΩ)

1. Connect the control box power supply with the engine compartment fuse box (Figure 12)

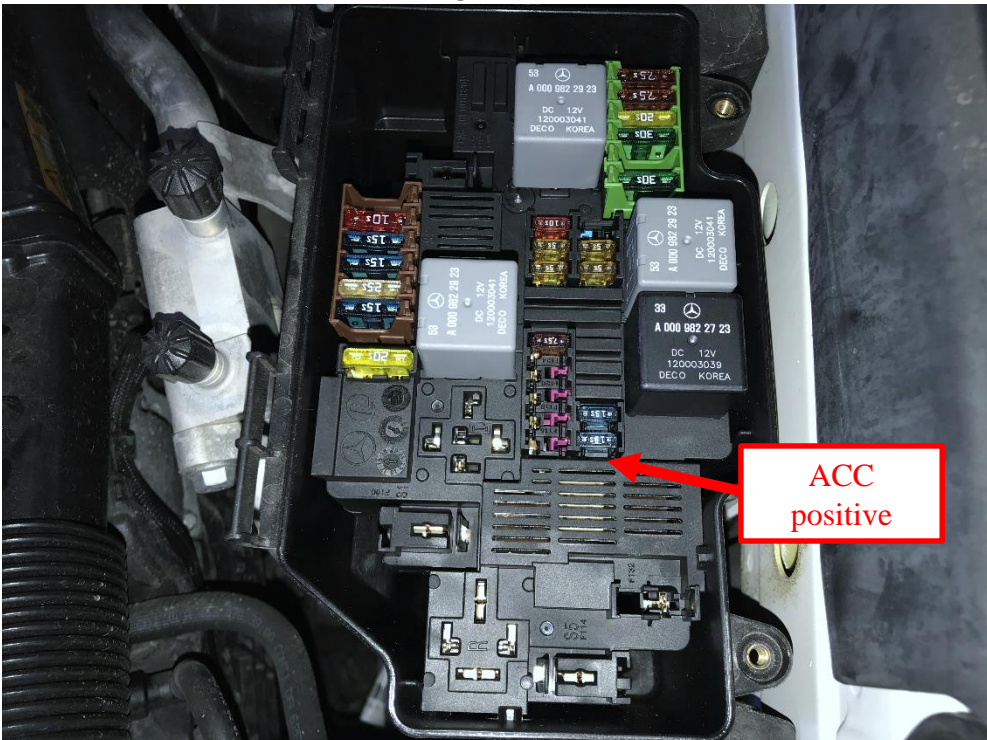


(figure 12)

2. Remove the engine compartment fuse box screws and remove the fuse box cover (Figure 13)
3. Measure the ACC power supply in the engine compartment fuse box, and connect the controller red line (positive), black wire to the body ground (Figure 14)



(figure 13)

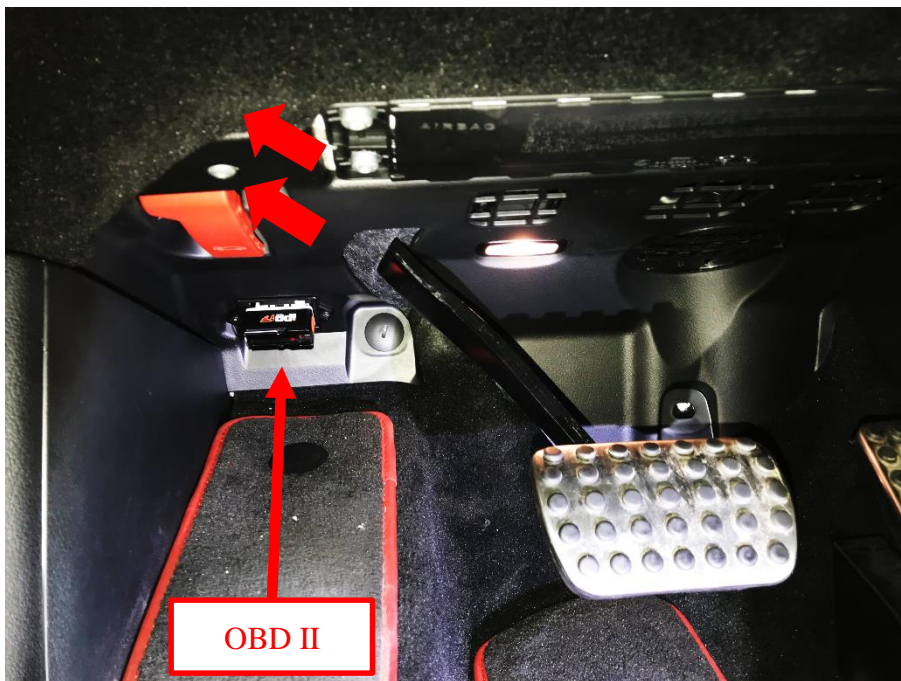


(figure 14)

4. Remove the pedal cover screws and remove the cover
(Figures 15, 16)

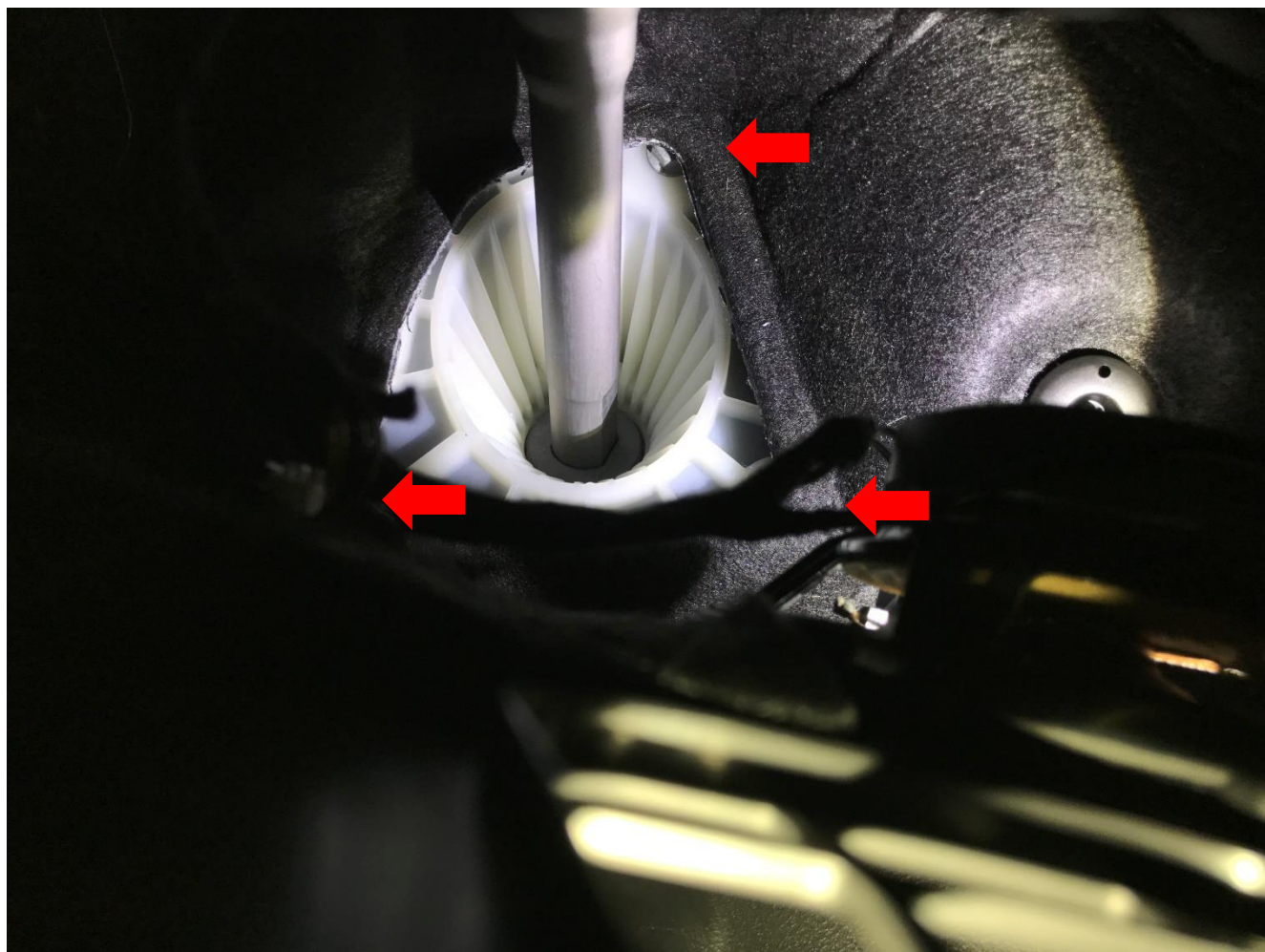


(figure 15)



(figure 16)

5. Remove the steering column seal screw (Figure 17)



(figure 17)

6. Pass the control box power cable and electronic motor control cable through the steering column seal into the car (Figure 18, 19)



(figure 18)



(figure 19)

7. Pull the electronic motor control cable to the rear (Figure 20), then plug the plug into the exhaust electronic motor (Figure 21) and secure the control cable to the chassis.

Note: Do not pull the wire strongly when wiring



(figure 20)



(figure 21)