



iPE Exhaust

Automotive exhaust system engineering

Mercedes-Benz

E63 / E63S (W213)

Product installation instruction





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1.Important information

- i. Please read the installation manual before installing the iPE exhaust.
- ii. Please install by the technician of the car exhaust system or familiar with the iPE exhaust system.
- iii. This manual provides detailed installation instructions to ensure proper use and disassembly that the iPE exhaust is properly installed and used. If improper use and disassembly, the company does not assume any responsibility for loss and personal injury.
- iv. When installing the iPE exhaust system, please lock according to the torque value of the manual to avoid abnormal damage to the screws and nuts.
- v. If the exhaust pipe of the car still at a high temperature, please wear insulated gloves for the exhaust pipe installation work, or install it after cooling down.
- vi. Before starting, be sure to wipe off the oil on the exhaust pipe to avoid burning with high temperature.
- vii. The iPE exhaust system 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.
- viii. If you have any questions about this installation instruction or use of the iPE exhaust system, please contact your local iPE dealer or contact us at info@ipe-f1.com.

2. Tools required for the installation

Tool name	Tool appearance
Rust inhibitor / lubricant	
Hexagon socket	
Hexagon wrench	
Torque wrench	

3. Mercedes-Benz E63 / E63S (W213) product assembly

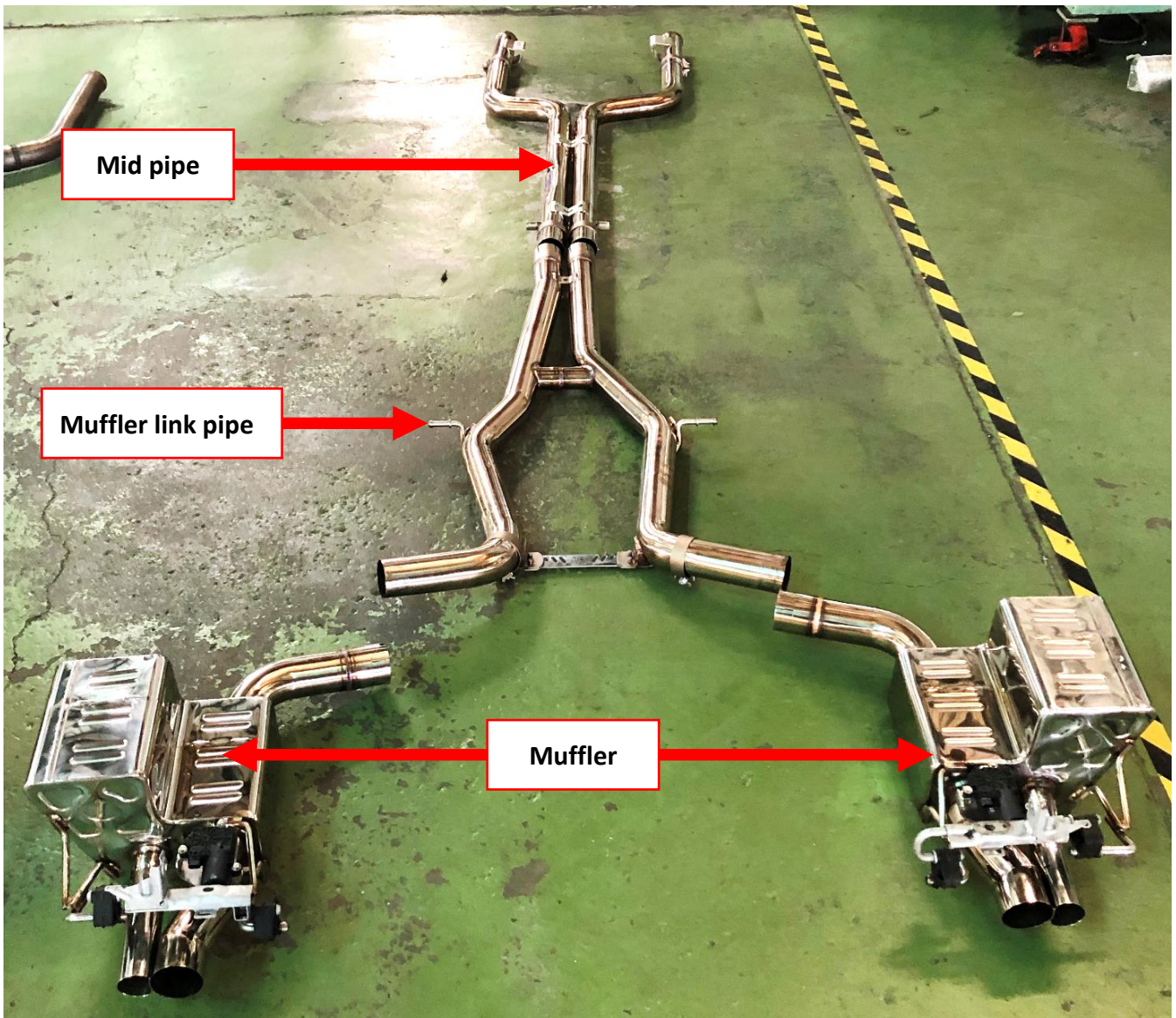
Cat pipe



Mid pipe

Muffler link pipe

Muffler



4. Steps to remove the original exhaust and related key point

Muffler removal process.

1. Remove the original lower guard plate & chassis support braces.
2. Remove the original valve motor plug.

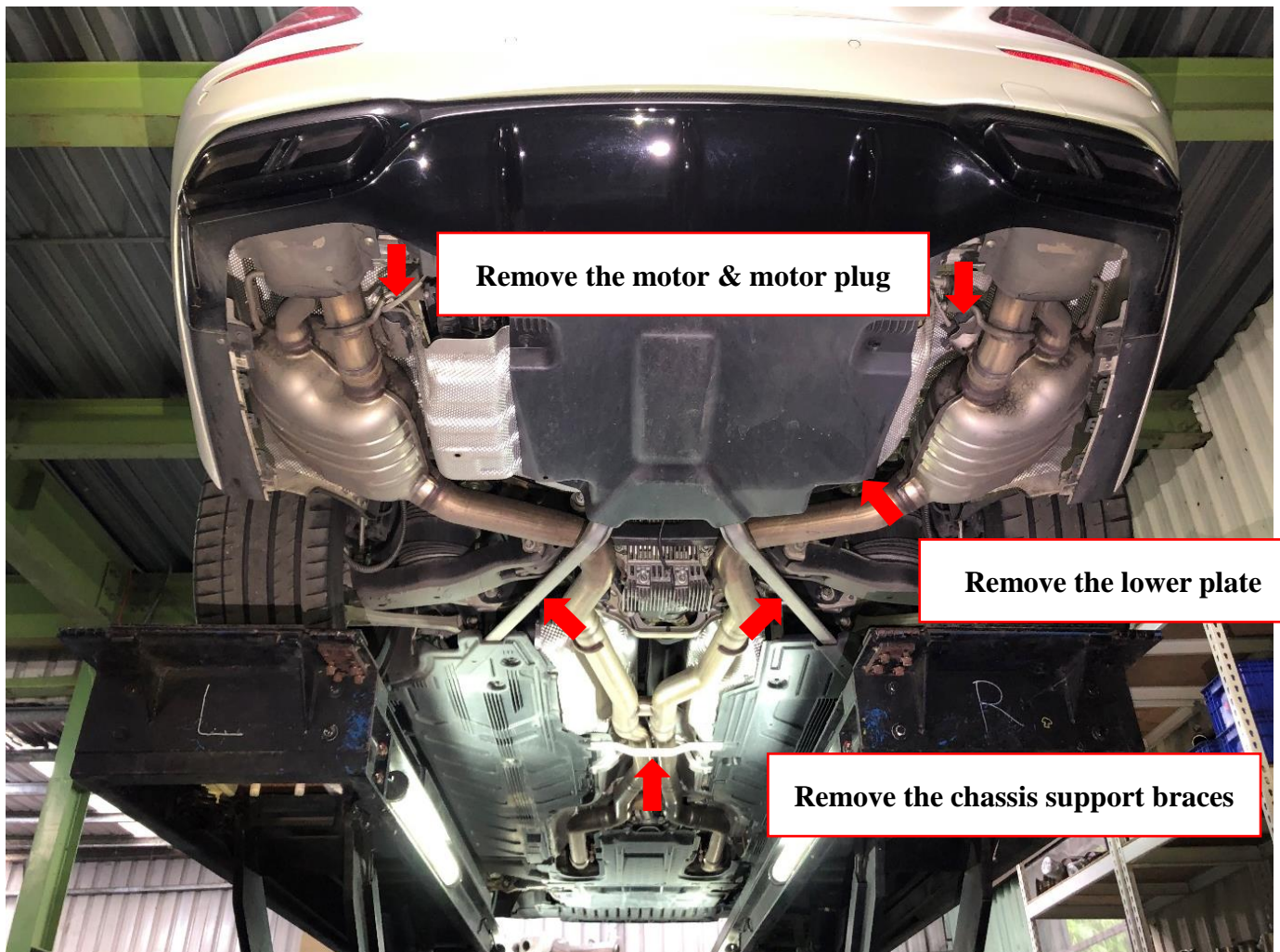


Fig. 1

Mid pipe removal process.

3. Remove the original mid pipe clamps.
4. Remove the plug of the original mid pipe electronic valve motor.

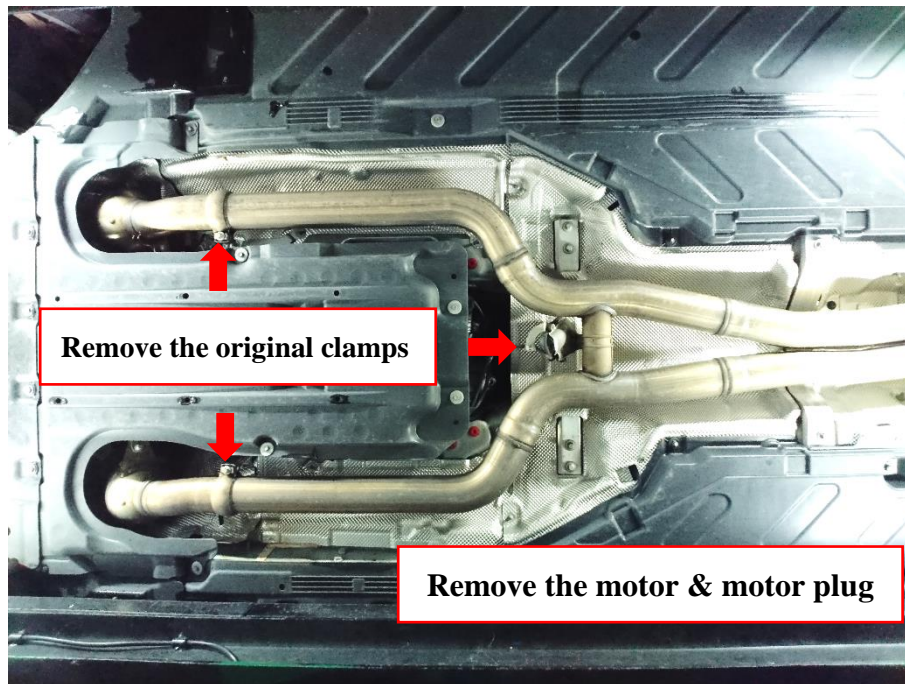


Fig.2

5. Remove the chassis support braces, and remove the mid pipe bushes.

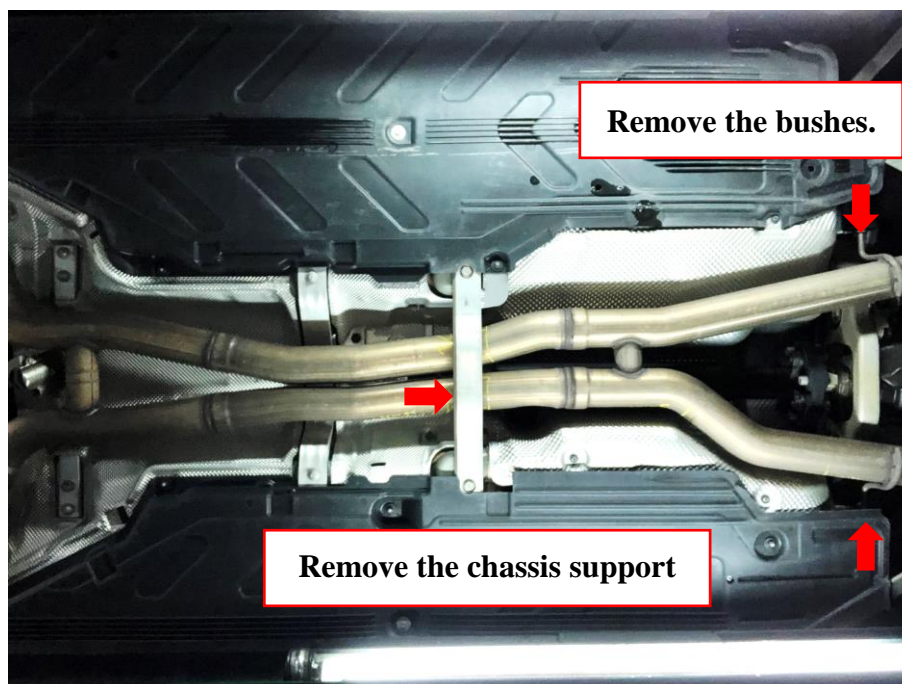


Fig.3

Catback removal process.

6. Remove the original muffler bushes.
7. Then you can remove all the original catback system.

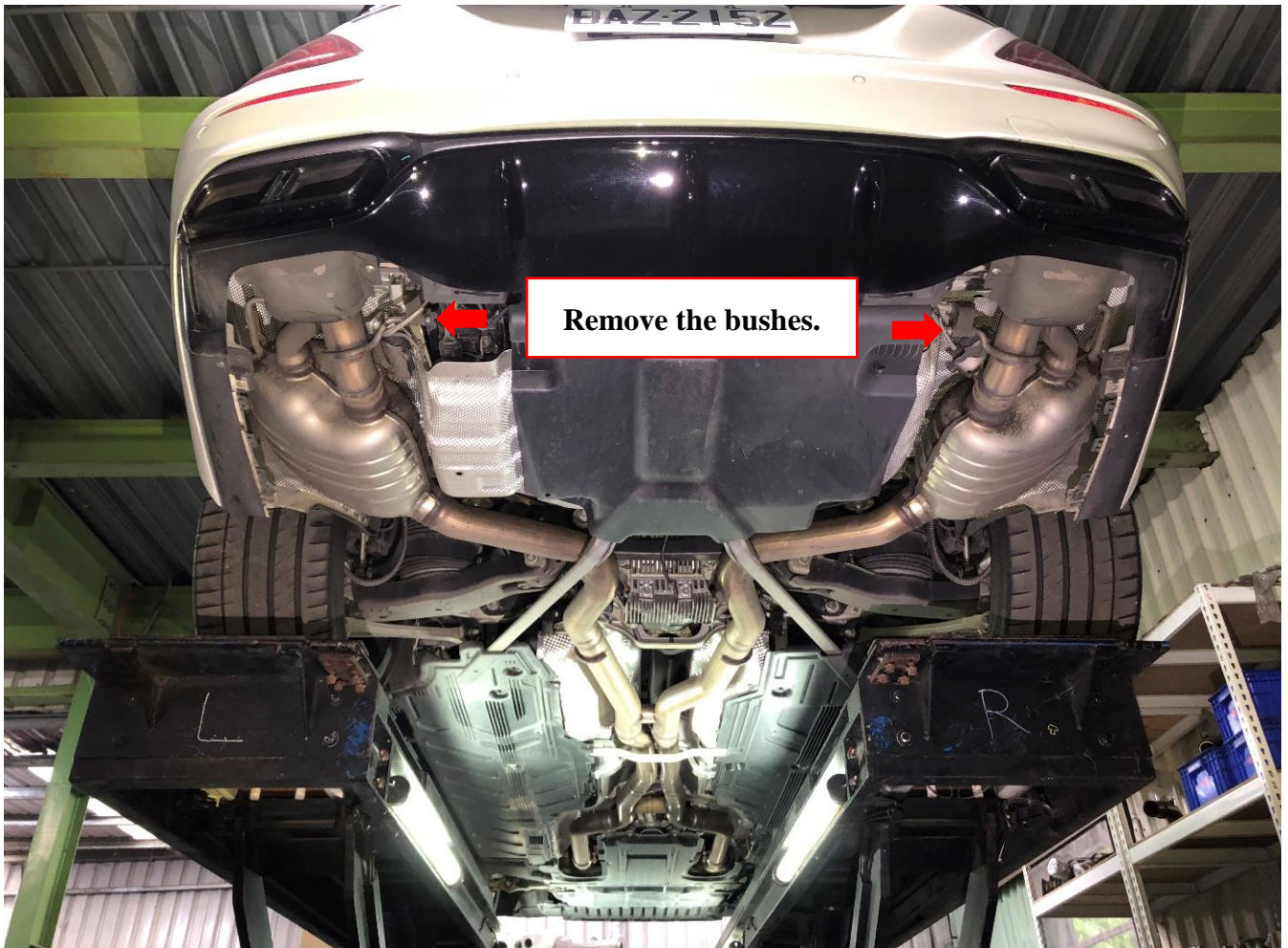


Fig.4

Cat pipe removal process.

Due to the angle of the elbow of the cat pipe and the lack of vehicle space, the automatic transmission must be removed to replace the cat pipe, or the fastest way is cut off the original cat pipe and divided into two parts.

8. Remove the engine cover and heat insulation aluminum plate.

9. Disassemble the front and rear oxygen sensor plugs, and then remove the sensor.

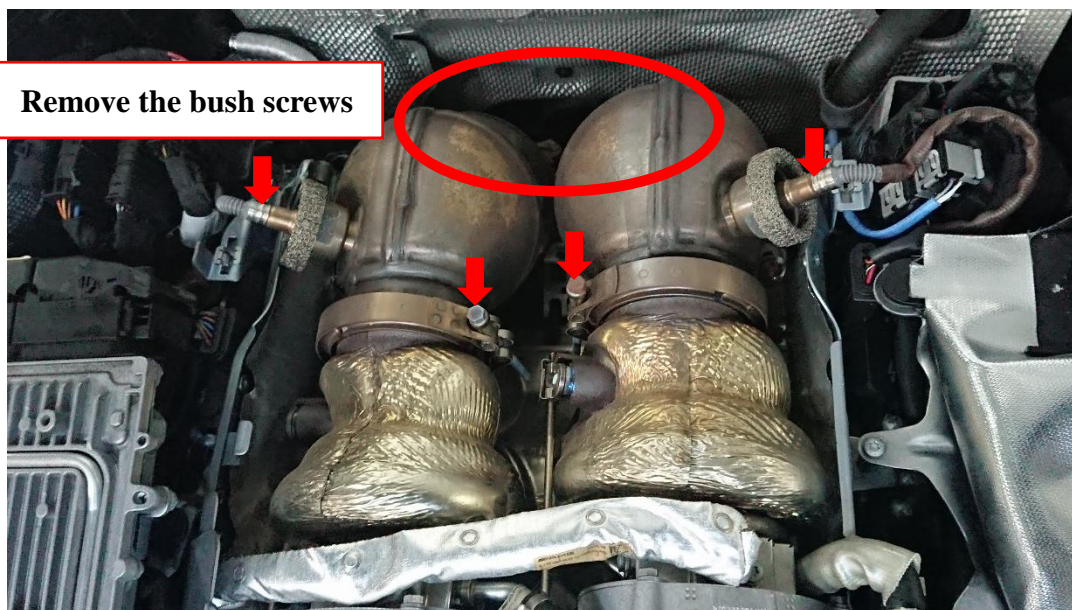


Fig.5

10. Remove the screw of the bush at the entrance of the cat pipe.



Fig.6

11. Remove the bush seat and bush screws at the outlet end of the cat pipe.
12. When removing the cat pipe, you need to loosen the **steering column**, and be sure to make a mark, otherwise the fault light will be on.
13. According to the position shown in the figure, cut off the original cat pipe.

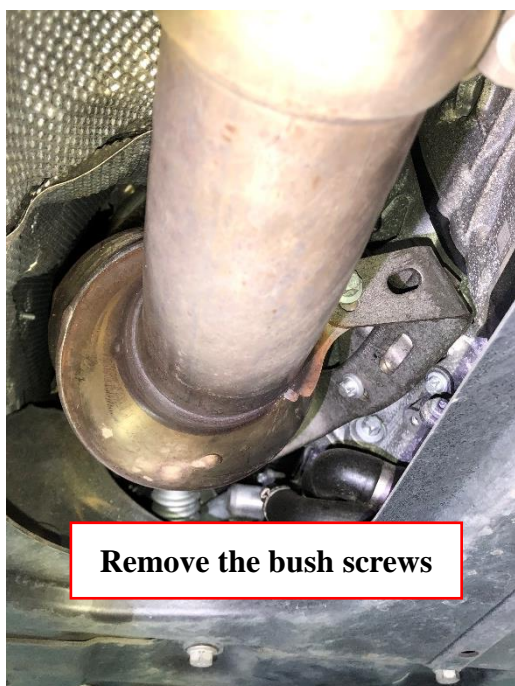


Fig.7



Fig.8



Fig.9

Cut off the original cat pipe according to the figure position.

5. Steps and focused points for installing the iPE exhaust

Cat pipe installation process.

1. Install the oxygen sensor back on the iPE cat pipe.
2. Install the iPE front cat pipe to the car, and lock the bush seat at the entrance of the cat pipe with screws.
3. Then lock back the original retainer restraint.

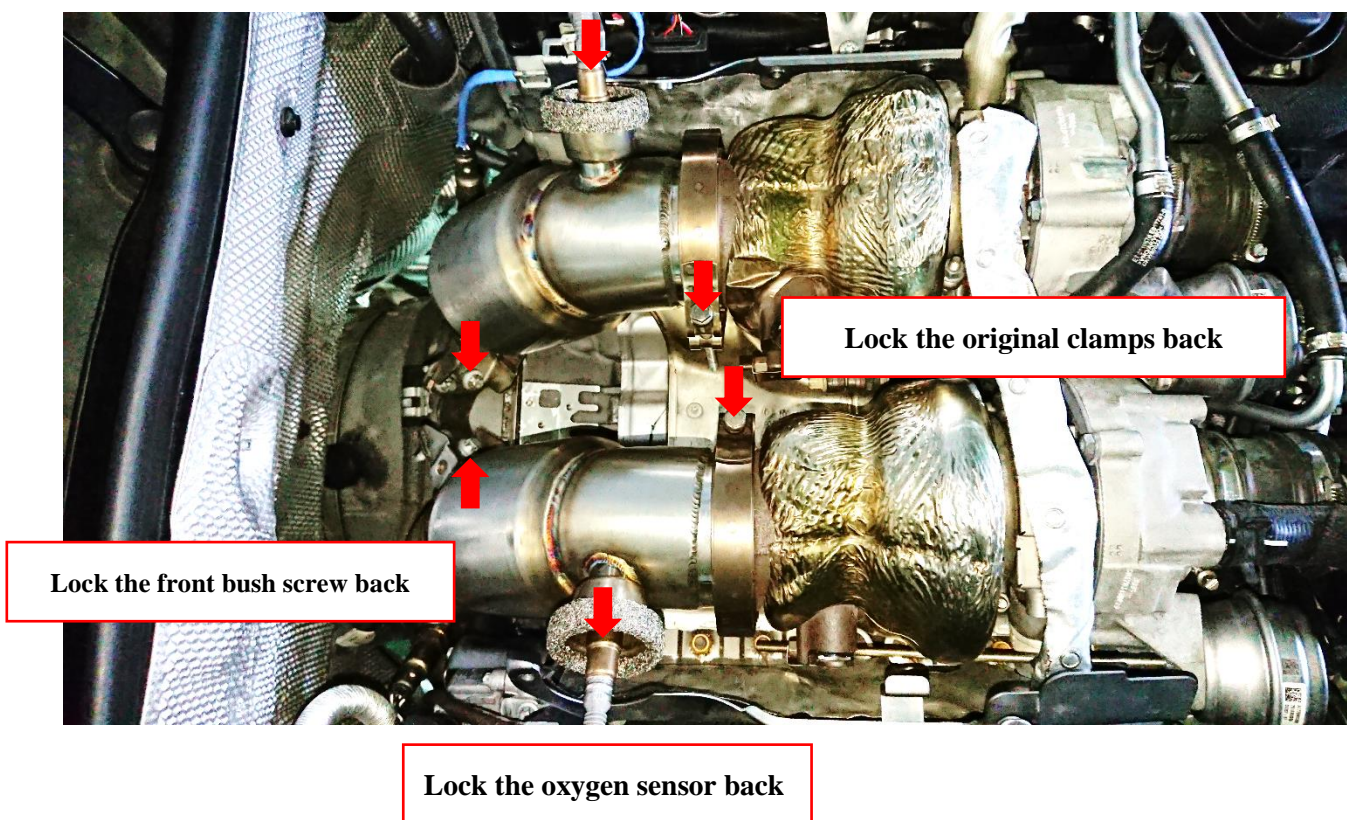


Fig.10

4. Connect the rear iPE cat pipe to the front iPE cat pipe.
5. Confirm the distance between the left side cat pipe outlet elbow and the vehicle with **steering column**. After the adjustment is completed, tighten the clamp and bush screws, and return the **steering column** to the marked position.

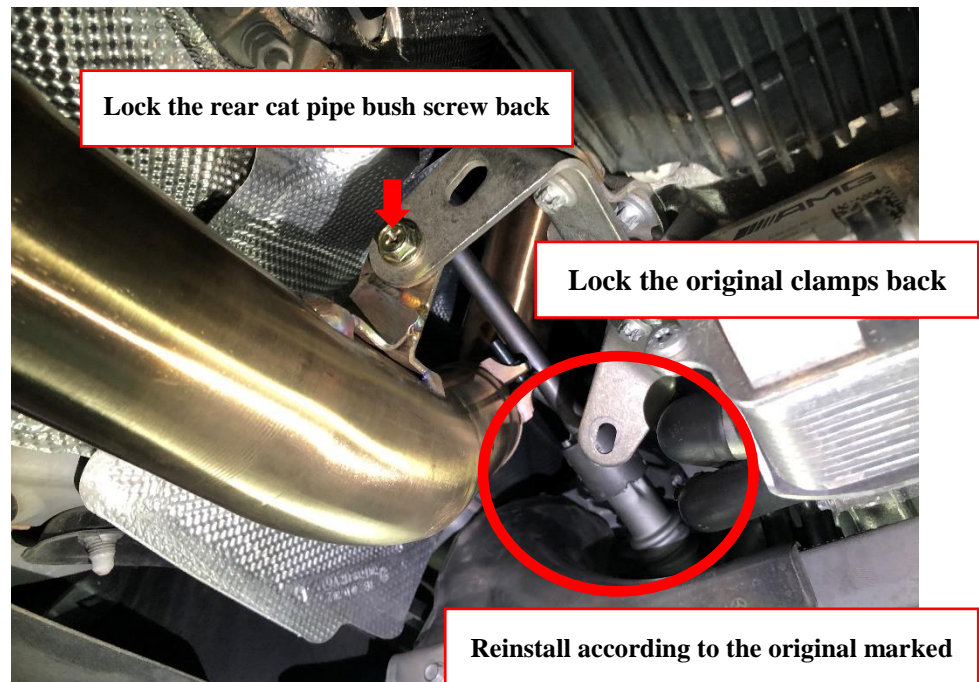


Fig. 11

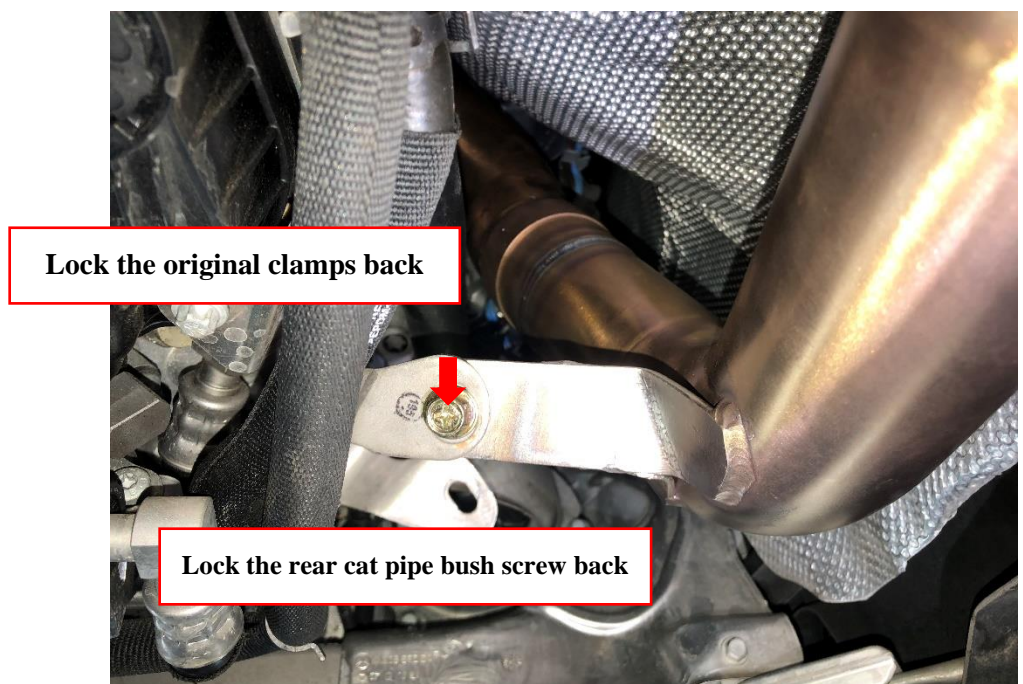


Fig. 12

6. Install the iPE mid pipe on the car, and screws the original clamps.

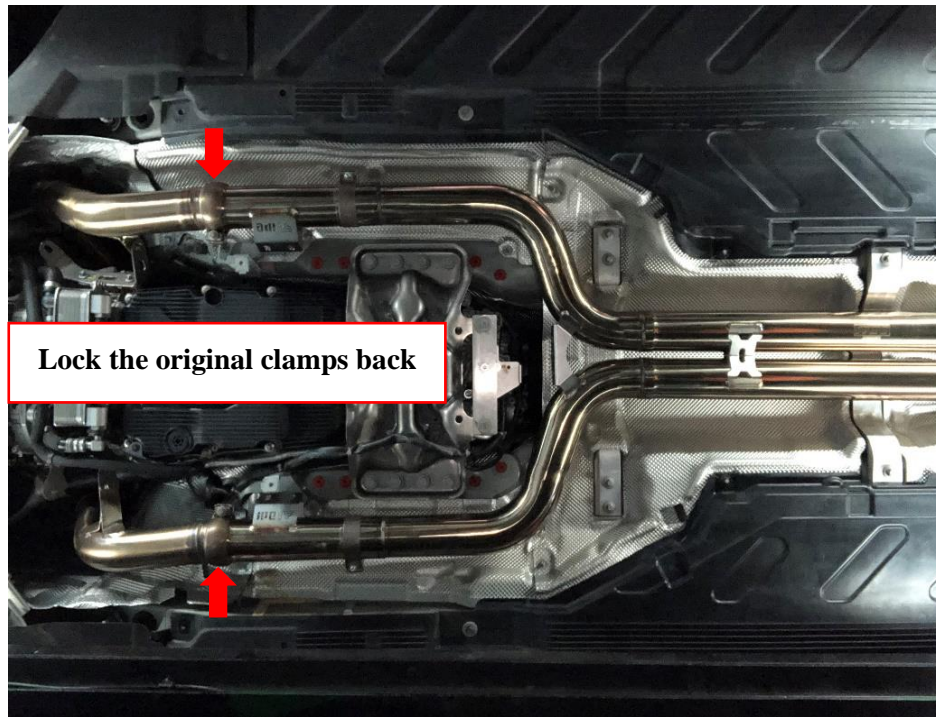


Fig. 13

7. Remove the motor from the original muffler and install it on the iPE muffler.

8. Install the link pipe and iPE muffler on the car.

9. Reinstall the bushes, tighten the clamps, and insert the original motor plug back.

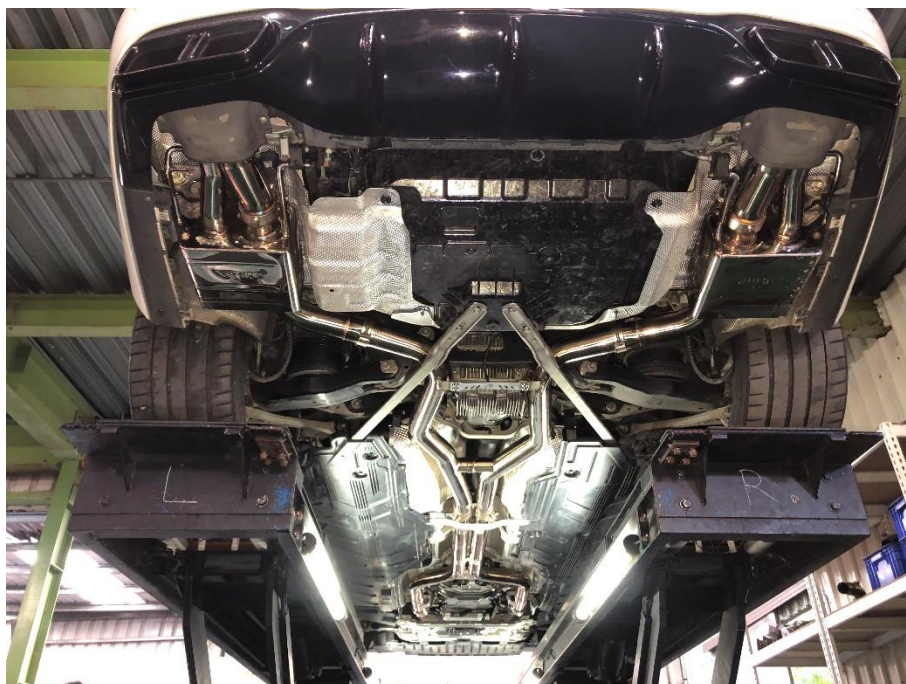


Fig. 14

10. Remove the original mid pipe motor, install it on the iPE mid pipe anti-lighting module, and then lock it back to the vehicle above the original motor position.

11. Reinstall the lower guard plate, chassis support braces and check there is enough distance between the exhaust pipe and the vehicle. After confirmation, all installations are completed.

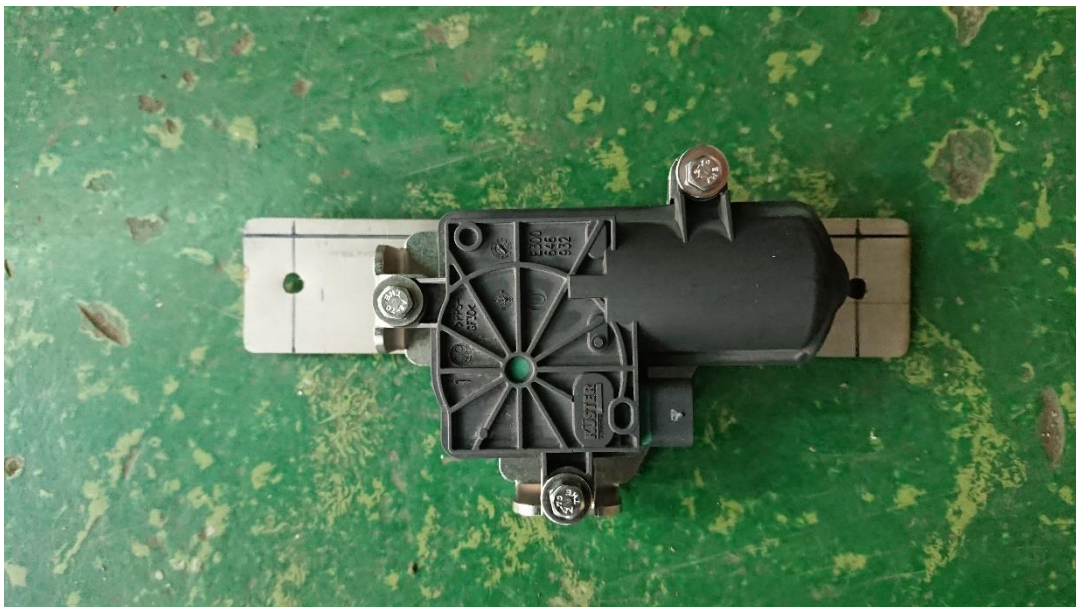


Fig. 15



Fig. 16