



iPE Exhaust

Automotive exhaust system  
engineering

**Ferrari 488 GTB**

Product installation  
instructions

[WWW.IPE-f1.com](http://WWW.IPE-f1.com)








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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](mailto:info@ipe-f1.com)

## (2) Tools required for the operation process

| Tool name                  | Tool appearance  |
|----------------------------|--|
| Rust inhibitor / lubricant |    |
| Hexagon socket             |    |
| Hexagon wrench             |    |
| Torque wrench              |   |
| Star screwdriver           |  |
| flathead screwdriver       |  |
| Star sleeve                |  |

### (3) Product assembly appearance



## (4) Steps and related key points for dismantling the original exhaust pipe

Move the vehicle to the top machine and raise it to the proper position.

**Note: Please stop the vehicle and really lift the vehicle. When jacking up, clear the surrounding area and pay attention to the height to ensure the safety of people and vehicles!**

1. Remove the wheels on both sides, the inner wheel arch and the diffuser (Fig. 1, 2, 3, 4, 5). The cable group inside the diffuser should be removed after removing the plug.



figure 1



Note: After the screws are removed, please place them neatly to avoid confusion during recovery.

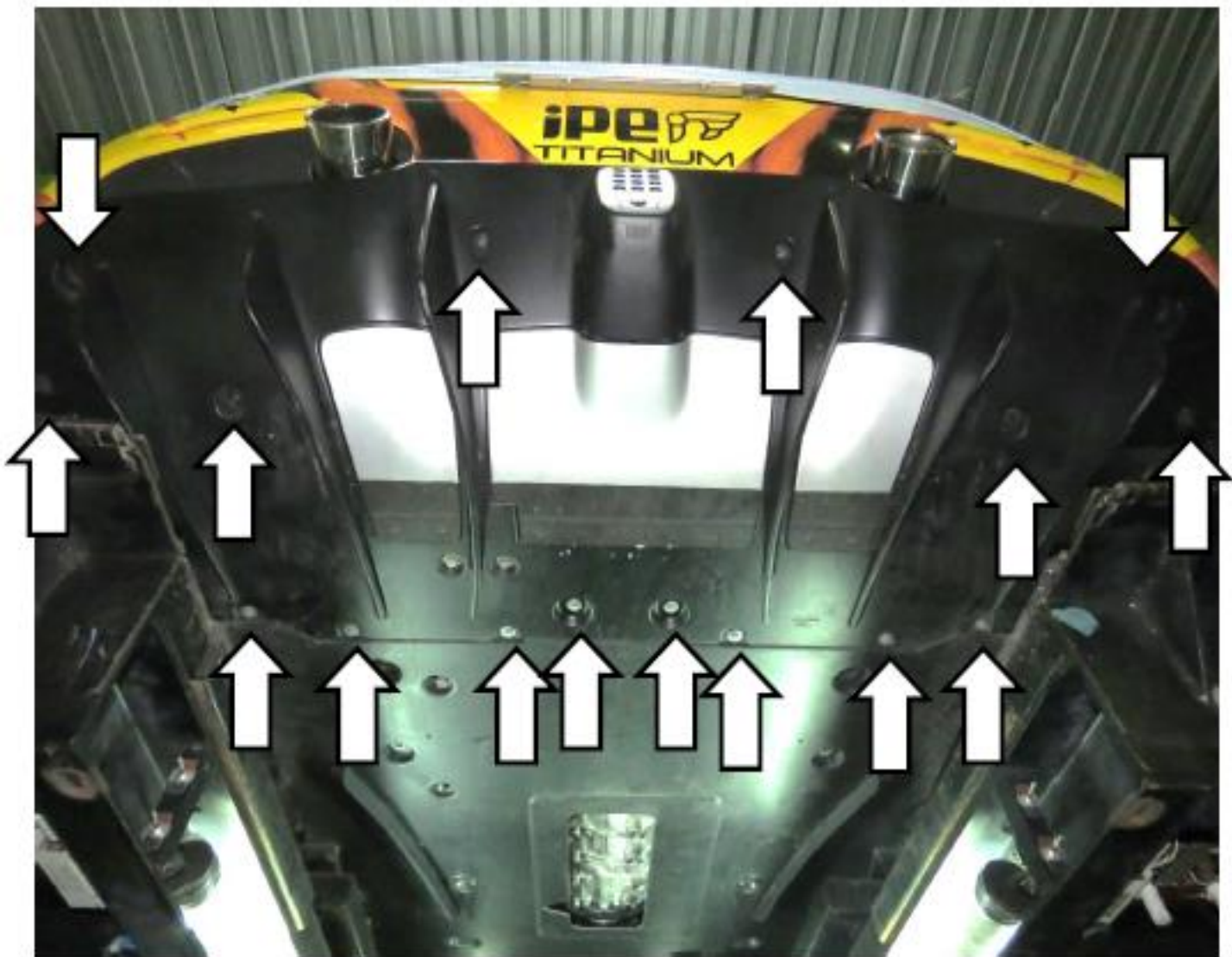


figure 2

Note: The wire group should be removed according to the original factory specifications.

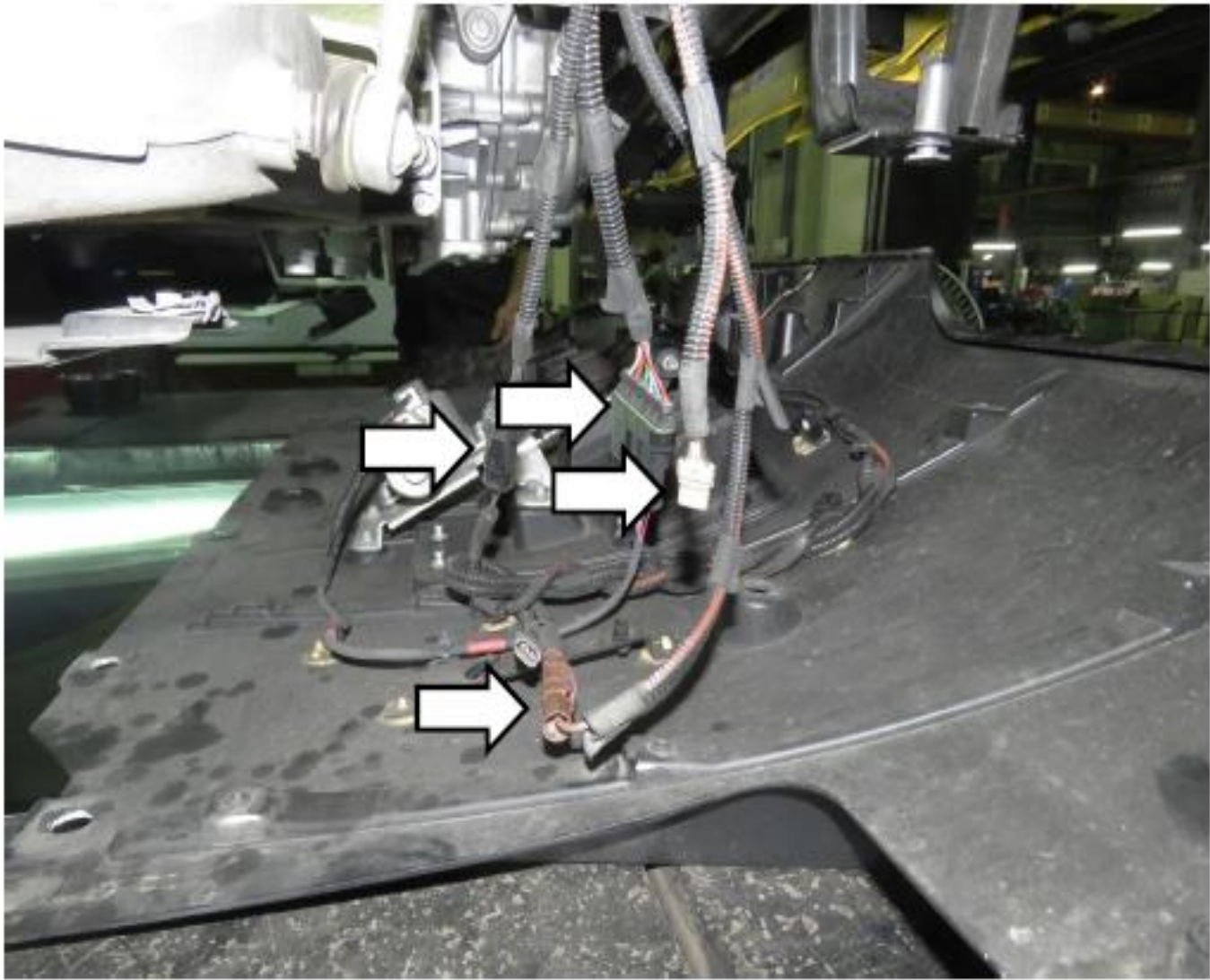


figure 3



Note: After the screws are removed, please place them neatly to avoid confusion during recovery.



figure 4

Note: After the screws are removed, please place them neatly to avoid confusion during recovery.

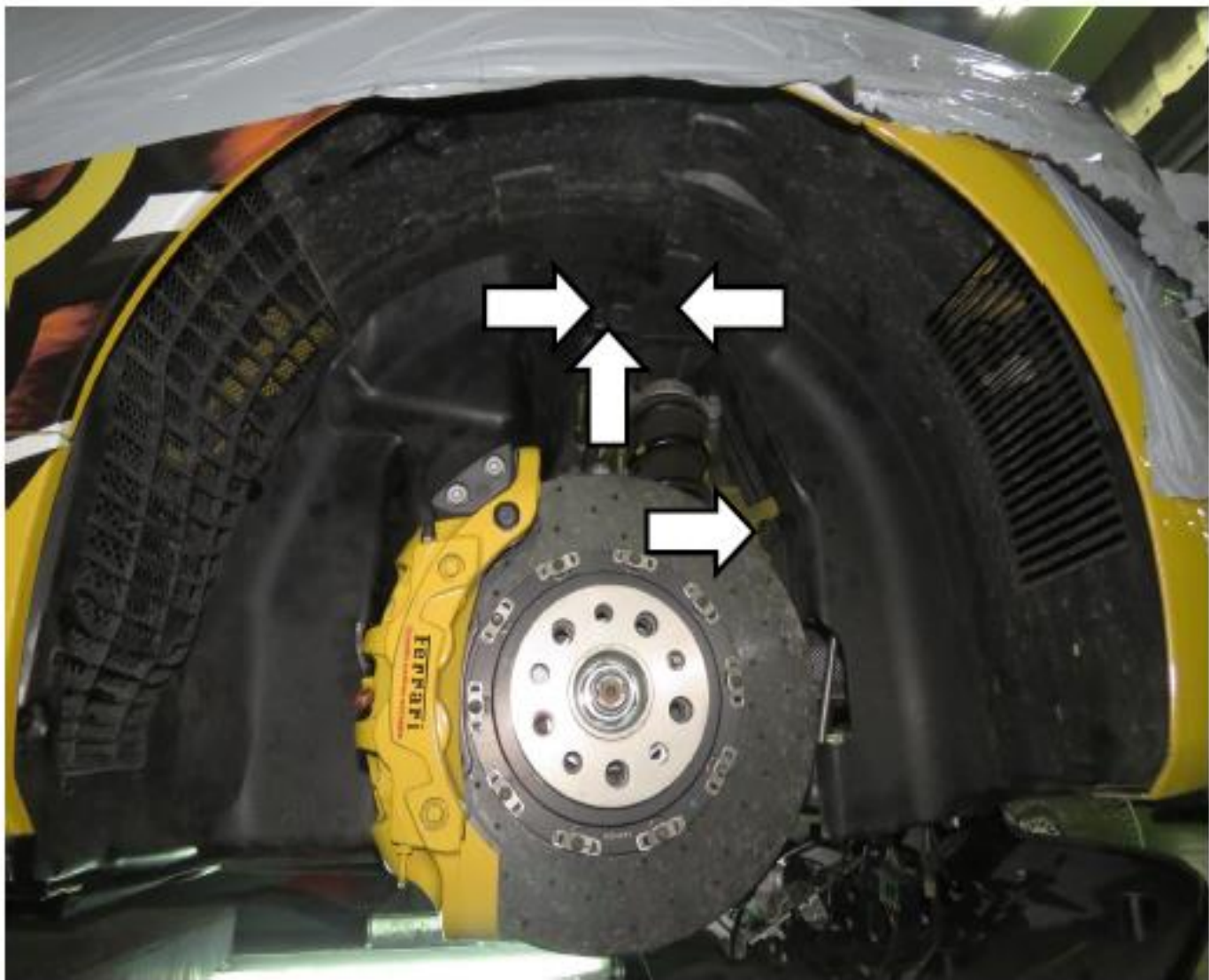


figure 5

2. The rear bumper needs to be removed to facilitate the removal of the exhaust pipe; three screws on each of the left and right sides must be unscrewed, and then the rear bumper can be removed (Fig. 6, Fig. 7).

**Note:** After the screws are removed, please place them neatly to avoid confusion during recovery.

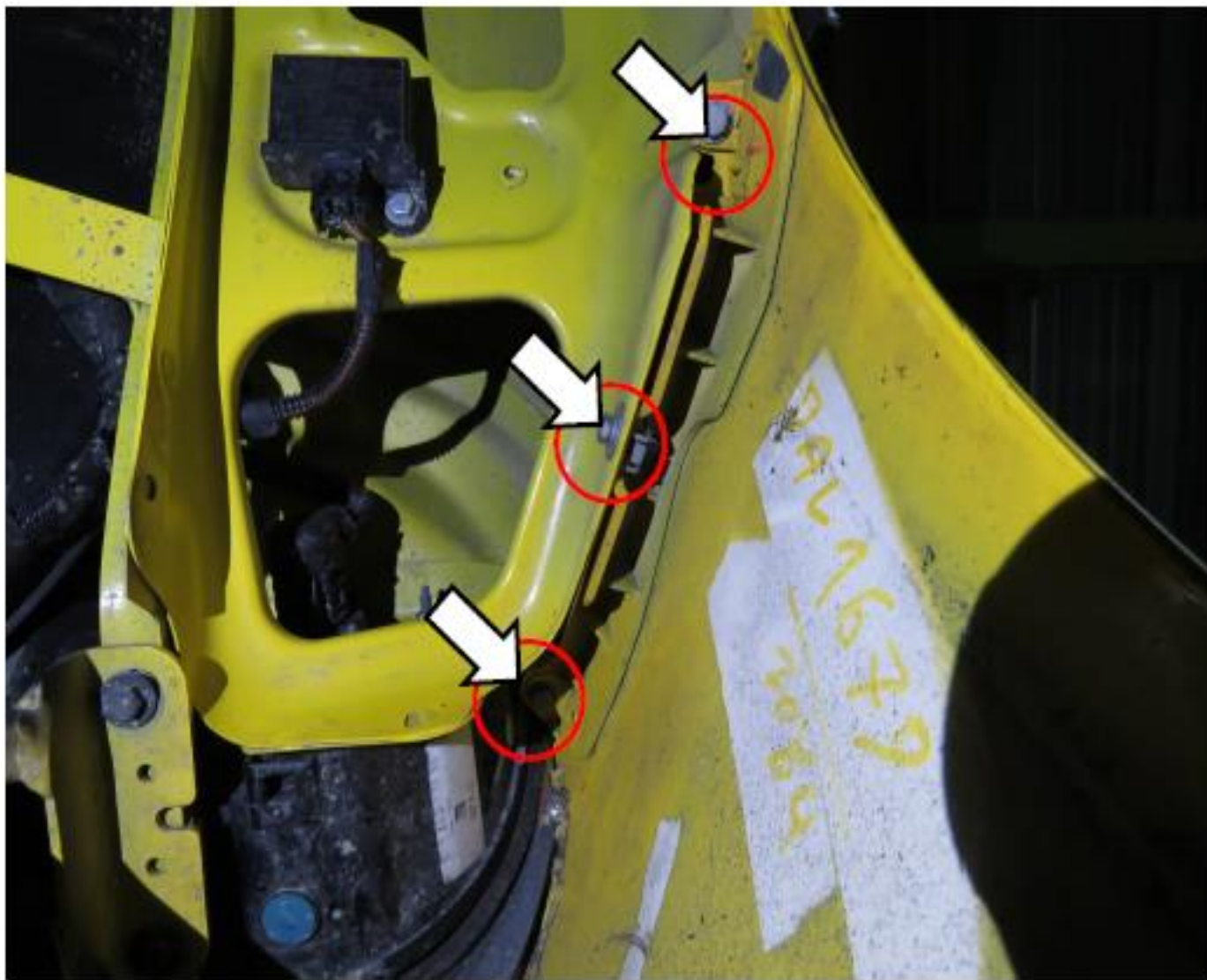


figure 6



Note: The rear bumper is fixed with a latch, so pay attention when disassembling to avoid damage to the latch.



figure 7

3. Unscrew the bundle ring nut; unscrew the front and rear lifting lugs on both sides of the barrel and remove the exhaust valve vacuum tube (Figure 8, Figure 9)

**Note: Do not use lubricant or rust remover organic solvent when the exhaust pipe has residual temperature!**

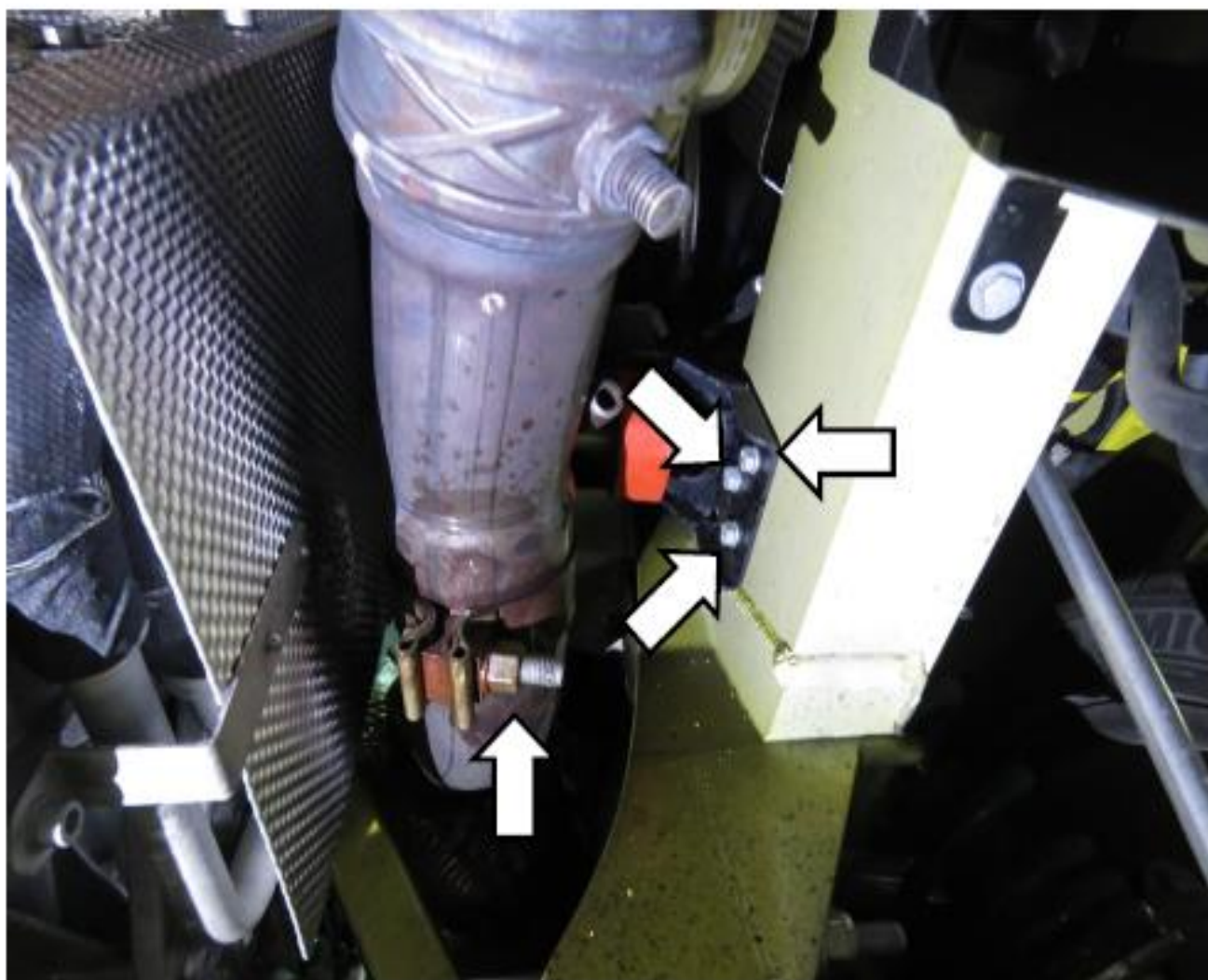


figure 8

Note: Please use the appropriate tool to remove the exhaust valve vacuum tube. If the removal is improper, the vacuum tube will be damaged or broken!

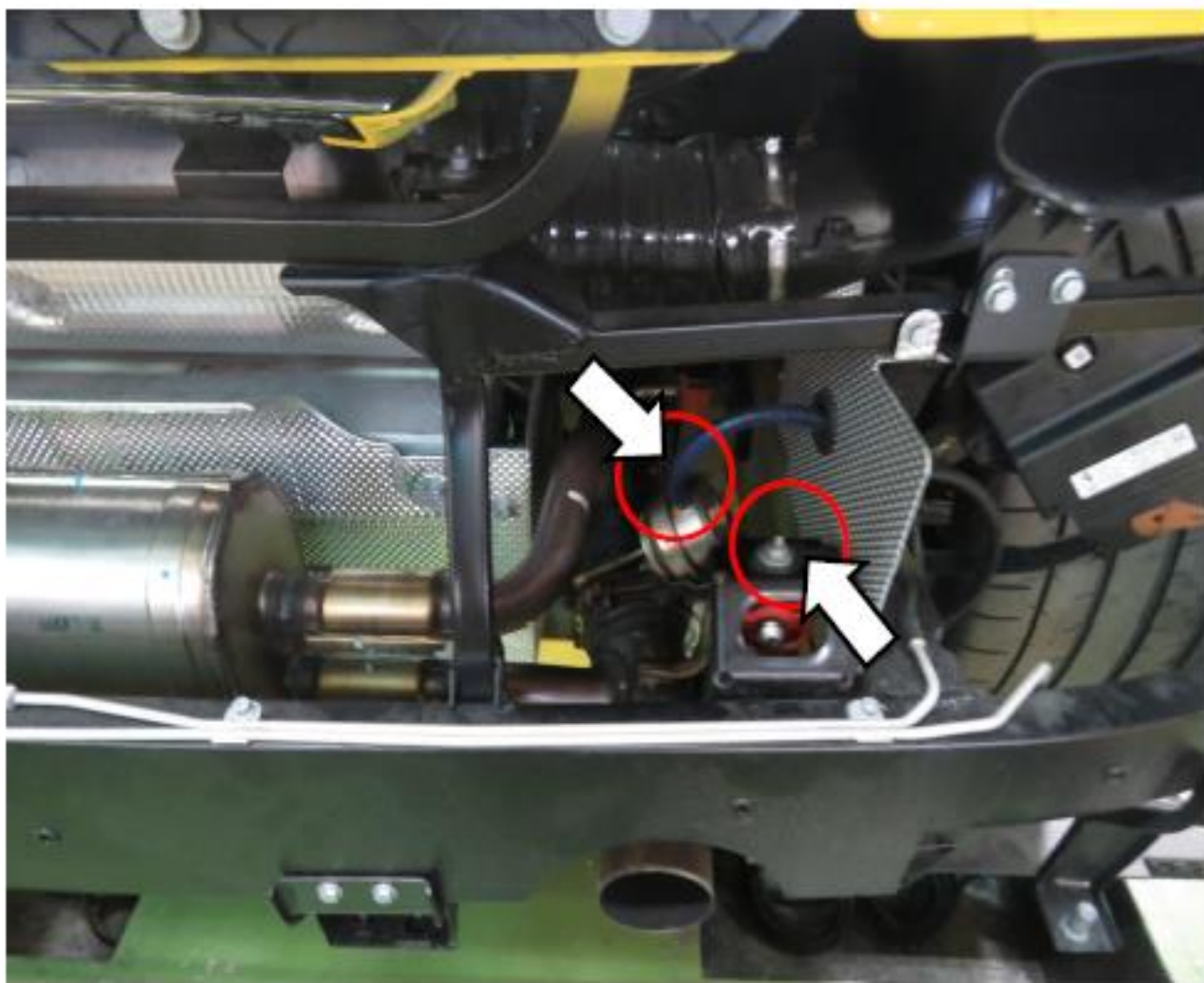


figure 9



4. Unscrew the sill screws on the left and right sides of the engine compartment (Fig. 10). The screws at the red circle are attached with shims. When removing the plaque, please remove them first to avoid loss.

**Note:** Due to the application process, the staff will touch the car shell, please use the fender protection pad or protective film and other related protective measures to avoid damage to the car shell!



figure 10

5. Unscrew the intake duct screw and the support bracket, unscrew the vacuum tube and remove the line plug (Figure 11).  
**Note: The line plug has anti-off latch, please open it according to the original factory to avoid damage to the line!**



figure 11

6. After removing the line plug and the collar at the red circle on both sides of the engine, the intake duct can be moved to the side for easy removal of the catalyst section (Figure 12).

**Note: The line plug has anti-off latch, please open it according to the original factory to avoid damage to the line!**



figure 12



7. Unscrew the lifting lugs, fixing brackets and heat shields on the sides of the engine (Figure 13)

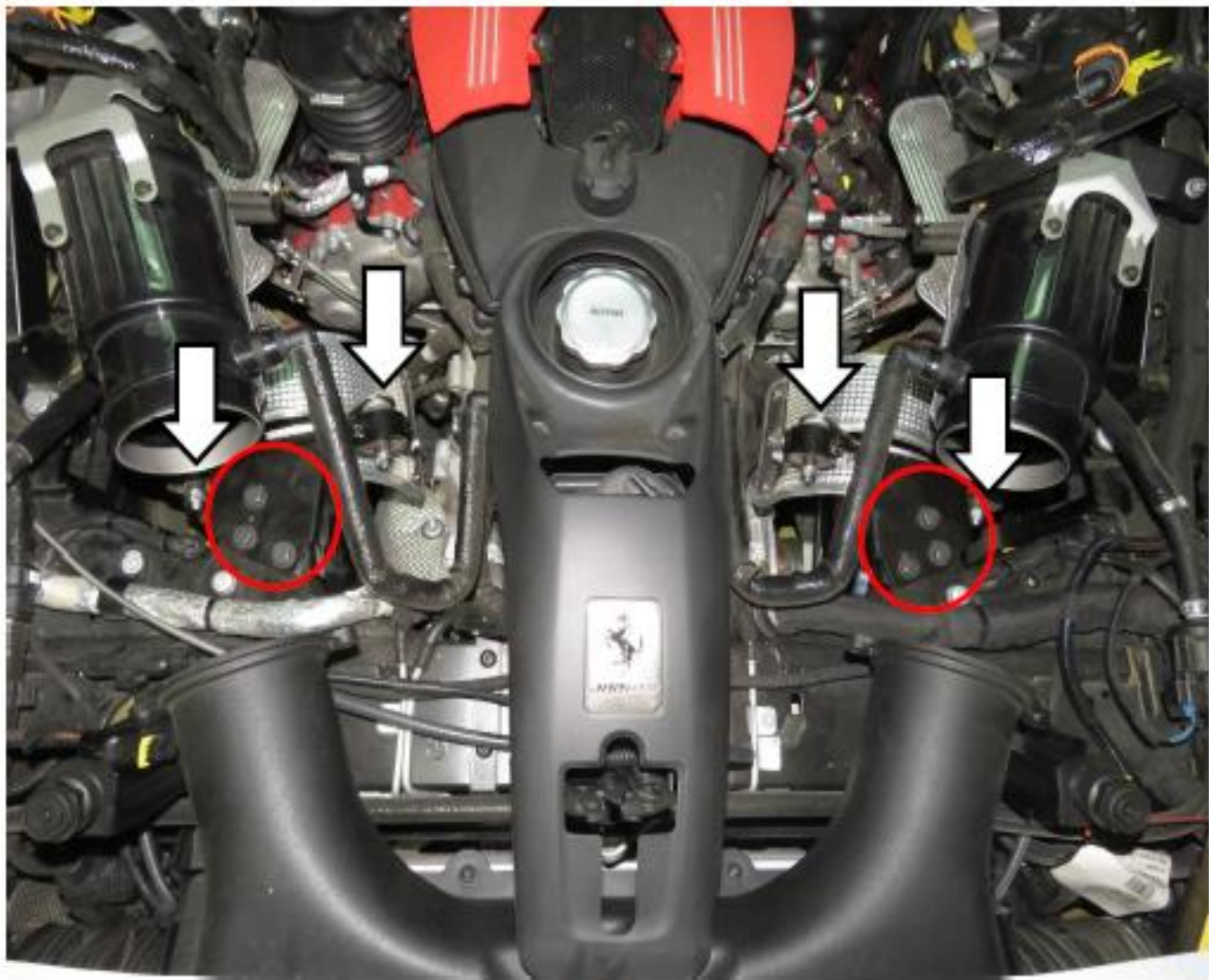


figure 13

8. Unscrew the oxygen sensor on both sides of the engine and remove the inlet ring of the catalyst section (Figure 14)

**Note: Please use the appropriate tool to remove the oxygen sensor to avoid line damage!**

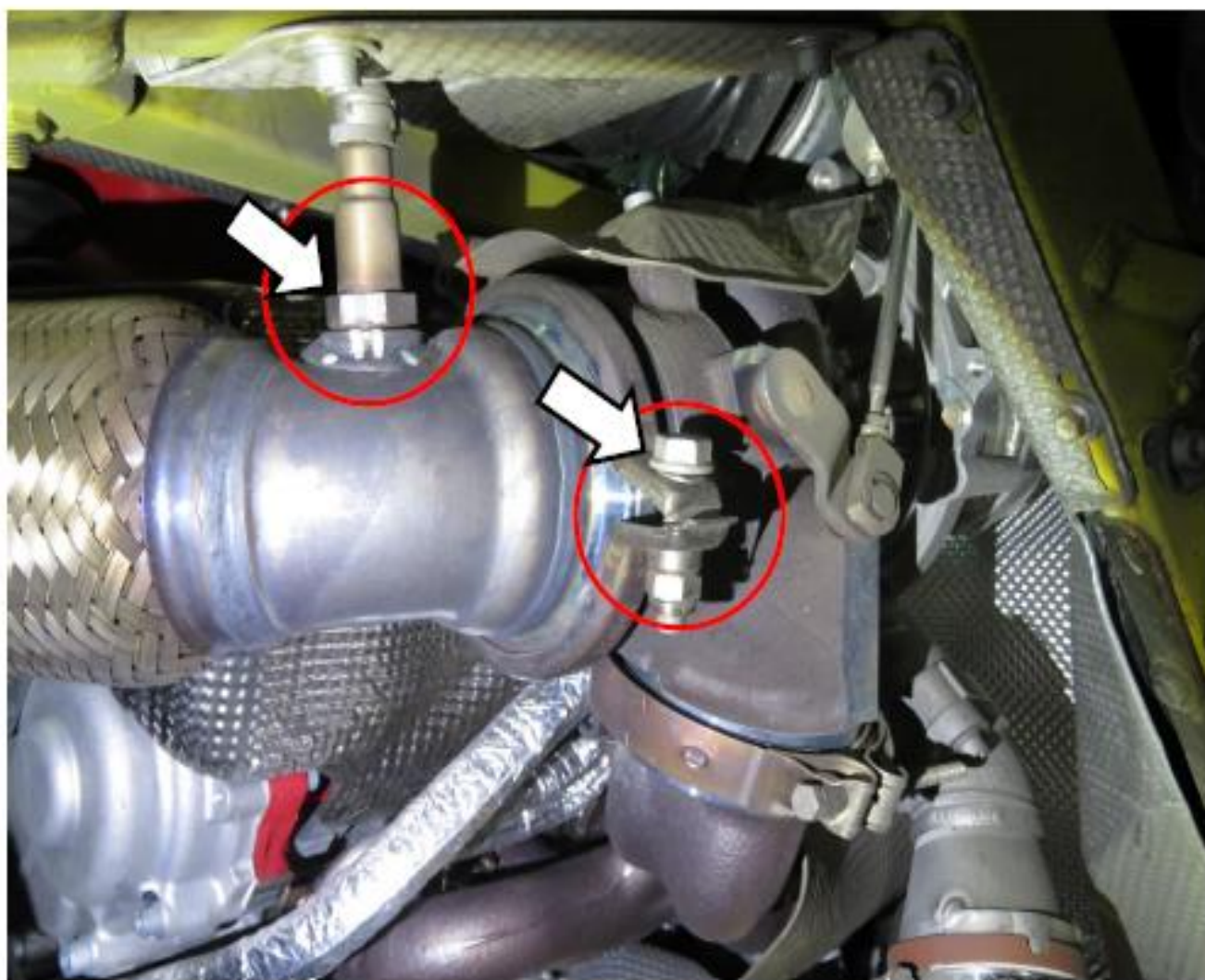


figure 14

9. Unscrew the left heat shield screw and remove the heat shield (Figure 15)



figure 15



10. After the original catalyst is removed, the original barrel can be removed (Figure 16).

**Note: Please carefully disassemble the catalyst section to avoid damage to the turbine and surrounding circuits.**



figure 16

## (5) Steps and related key points for installing the iPE exhaust pipe

1. Mount the iPE catalyst lugs and barrels on both sides to the positioning (Figure 17)

**Note:** Lock the screws to the proper torque

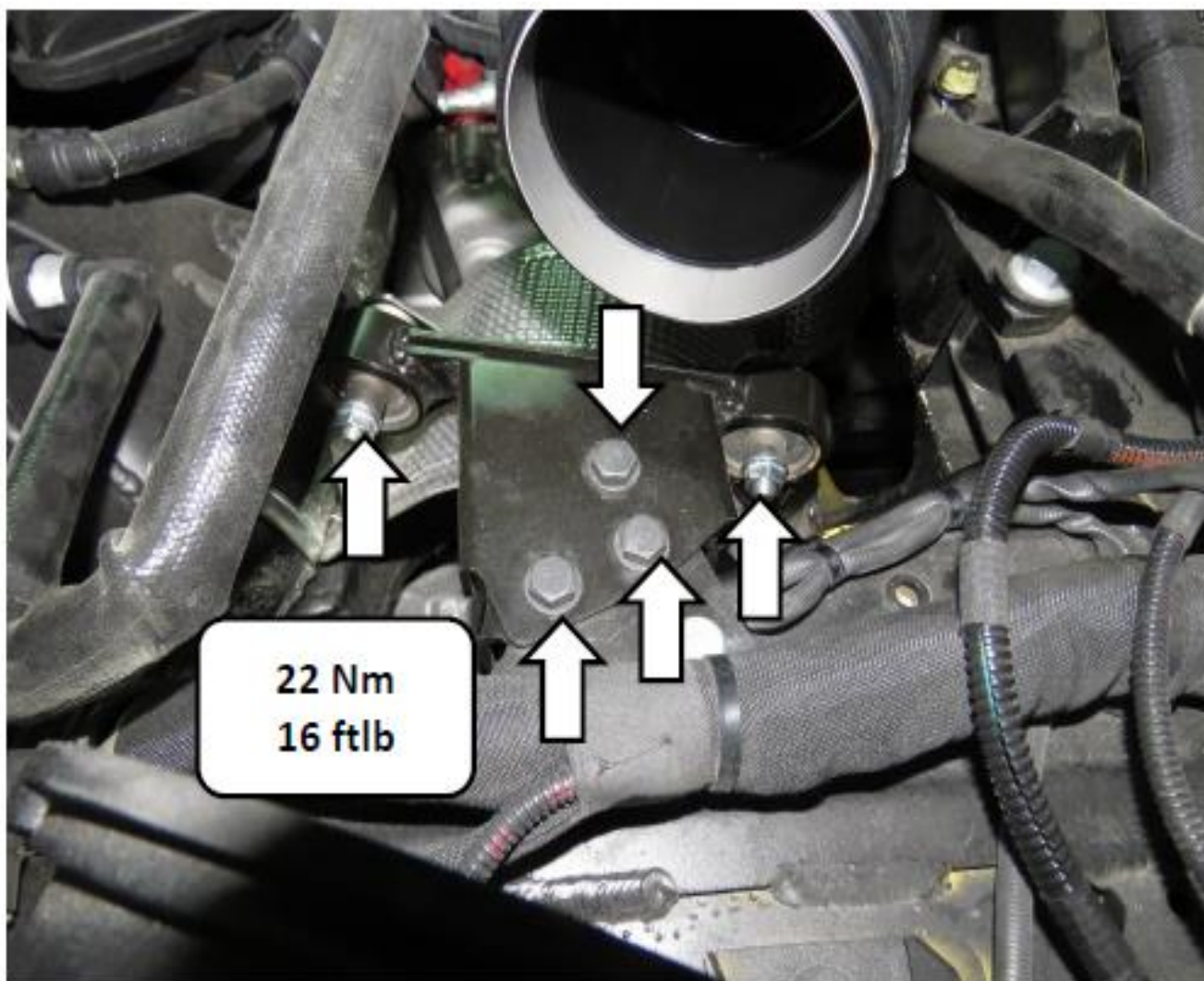


figure 17



2. Install the lifting lugs on both sides of the iPE muffler to the positioning (Figure 18)

**Note: Lock the screws to the proper torque**

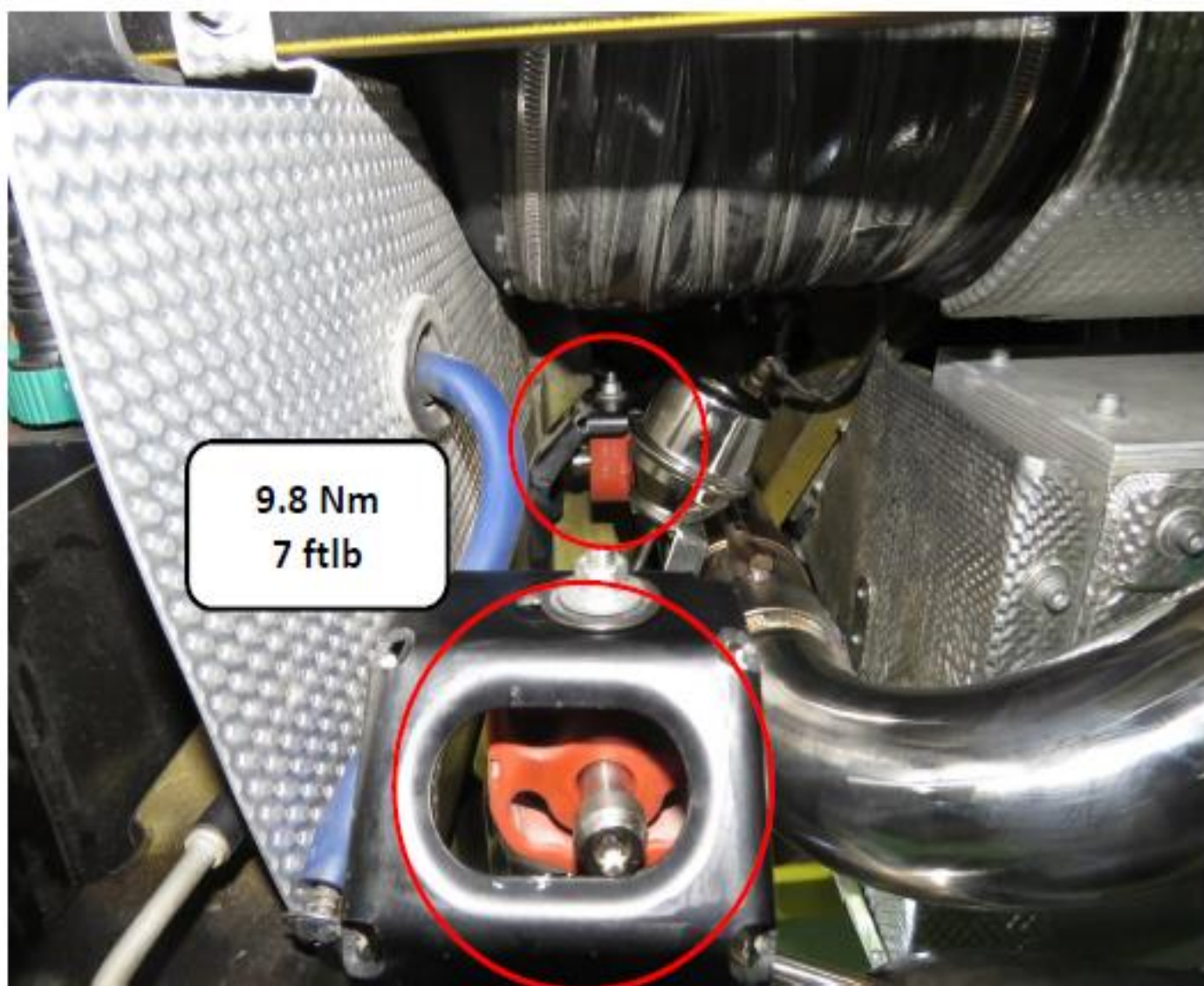


figure 18

3. Install the catalyst collar and oxygen sensor to the positioning (Figure 19)

**Note:** Please install the oxygen sensor with the appropriate tool to avoid line damage!

**Note:** Lock the screws to the proper torque

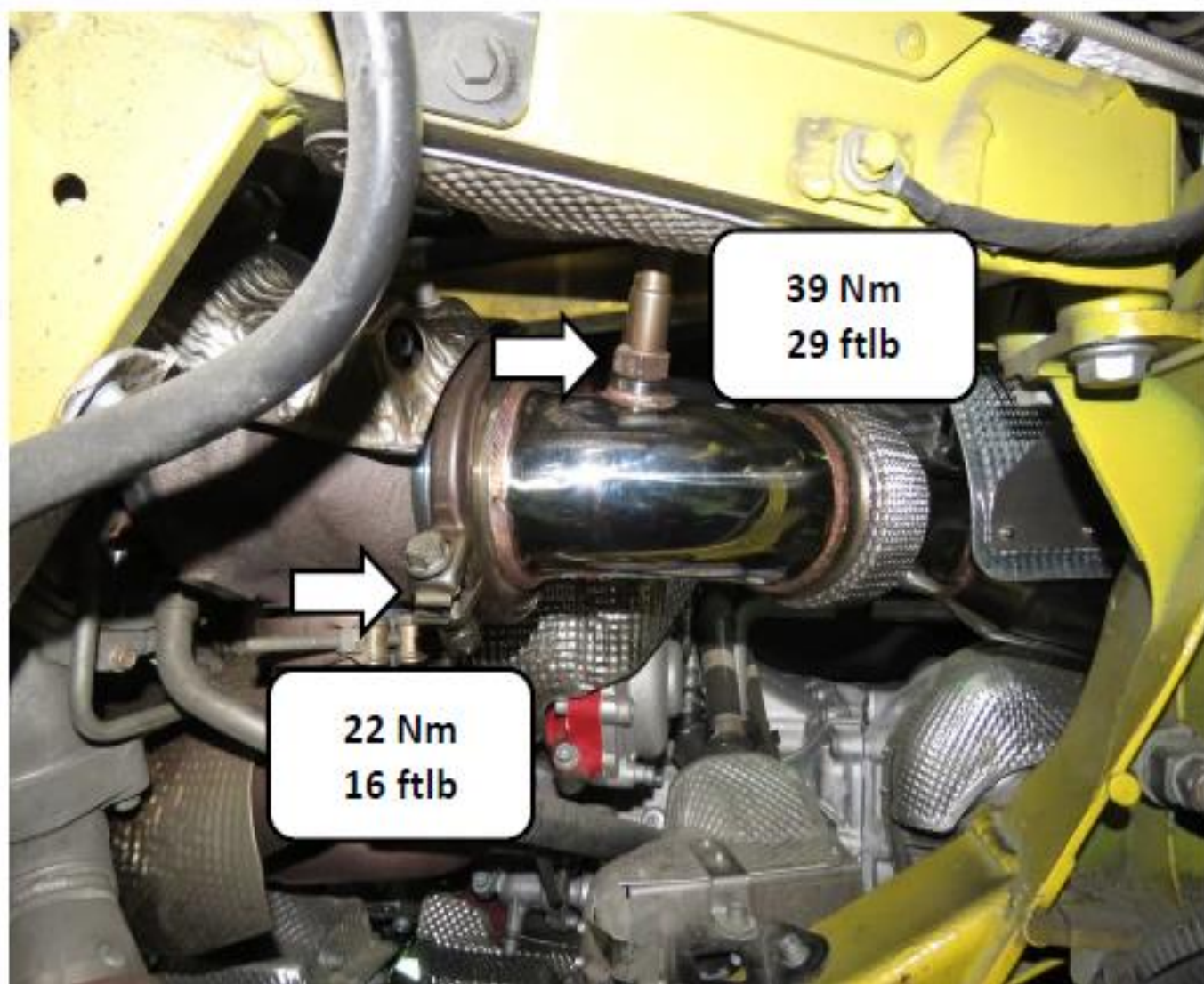


figure 19



4. Lock the bundle ring and install the original vacuum tube to the actuator (Figure 20)
  5. Install all removed parts and restore and lock the appropriate torque according to the correct installation procedure
- Note: Lock the screws to the proper torque**

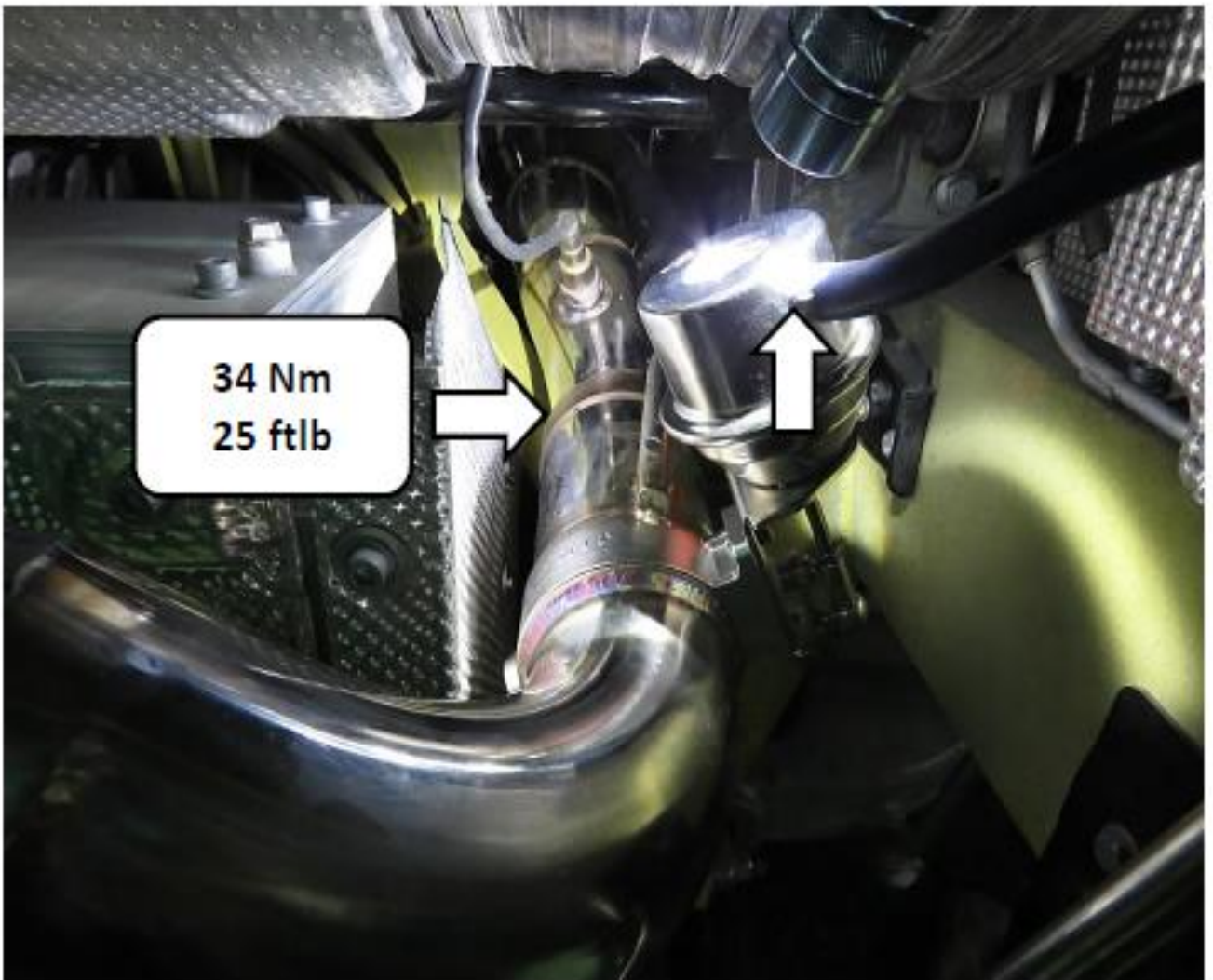
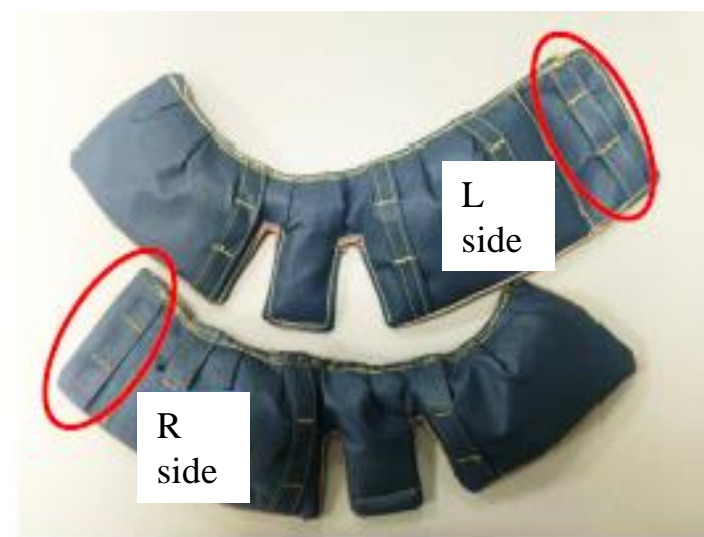


figure 20

6. Fireproof cloth has a distinction between L and R sides and is distinguished by the following figures (Fig. 21)
7. Pass the fireproof cloth through the bottom of the tips (Figure 22).
8. Pass the bundle ring through the fixing hole on the fireproof cloth and tighten it tightly (Fig. 23), (Fig. 24)



(Fig. 21) Resolving the L and R sides at the red circle



(Fig. 22) Pass the fireproof cloth through the hanger seat in the direction of the arrow



(Fig. 23) Pass the bundle ring through the fixing hole on the fireproof cloth



(Fig. 24) Pass the bundle ring through the fixing hole on the fireproof cloth



- 9. Lock the tips to the rear bumper
- 10. Take the fireproof cloth and the muffler outlet into a tight connection (Fig. 25), (Fig. 26), (Fig. 27)



(Fig. 25) The fireproof cloth and the muffler outlet are taken into contact with each other.



(Fig. 26) The fireproof cloth and the muffler outlet are taken into contact with each other.



(Fig. 27) The fireproof cloth and the muffler outlet are taken into contact with each other.