



# iPE Exhaust

Automotive exhaust system engineering

***AUDI A6/ A7 (C7.5)***

Product installation instructions

# Table of Contents

1. Important Messages -----	3
2. Tools required for the operation process -----	4
3. Audi A6 C7.5 product assembly appearance -----	5
4. Steps for disassembling the original exhaust and related key points -----	6
5. Steps for installing IPE exhaust and related key points ----- -----	10






## (1) Important message



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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-fl.com](mailto:info@ipe-fl.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-Points Socket	

### (3) Product assembly appearance



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

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!**

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

**Use a lubricant and disassemble if necessary.**

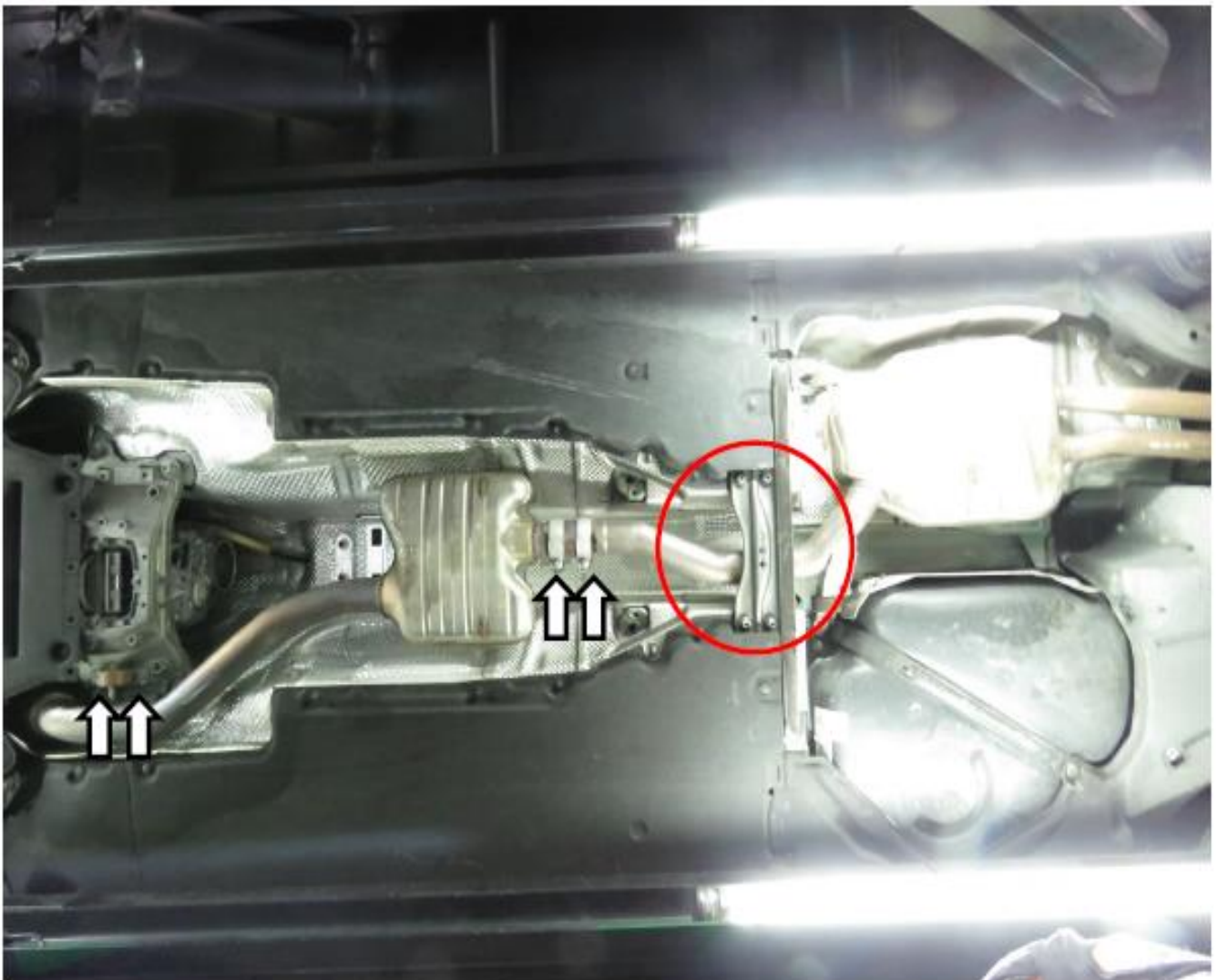
1. Remove the underbody guard (Figure 1).



(Figure 1)

2. Remove the middle chassis bracket, front tube sleeve and lifting ears (Figure 2)

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



(Figure 2)

4. Remove the middle section and the muffler lifting ears (Figure 3).  
**Note:** After the screws are removed, place them neatly to avoid confusion during recovery.



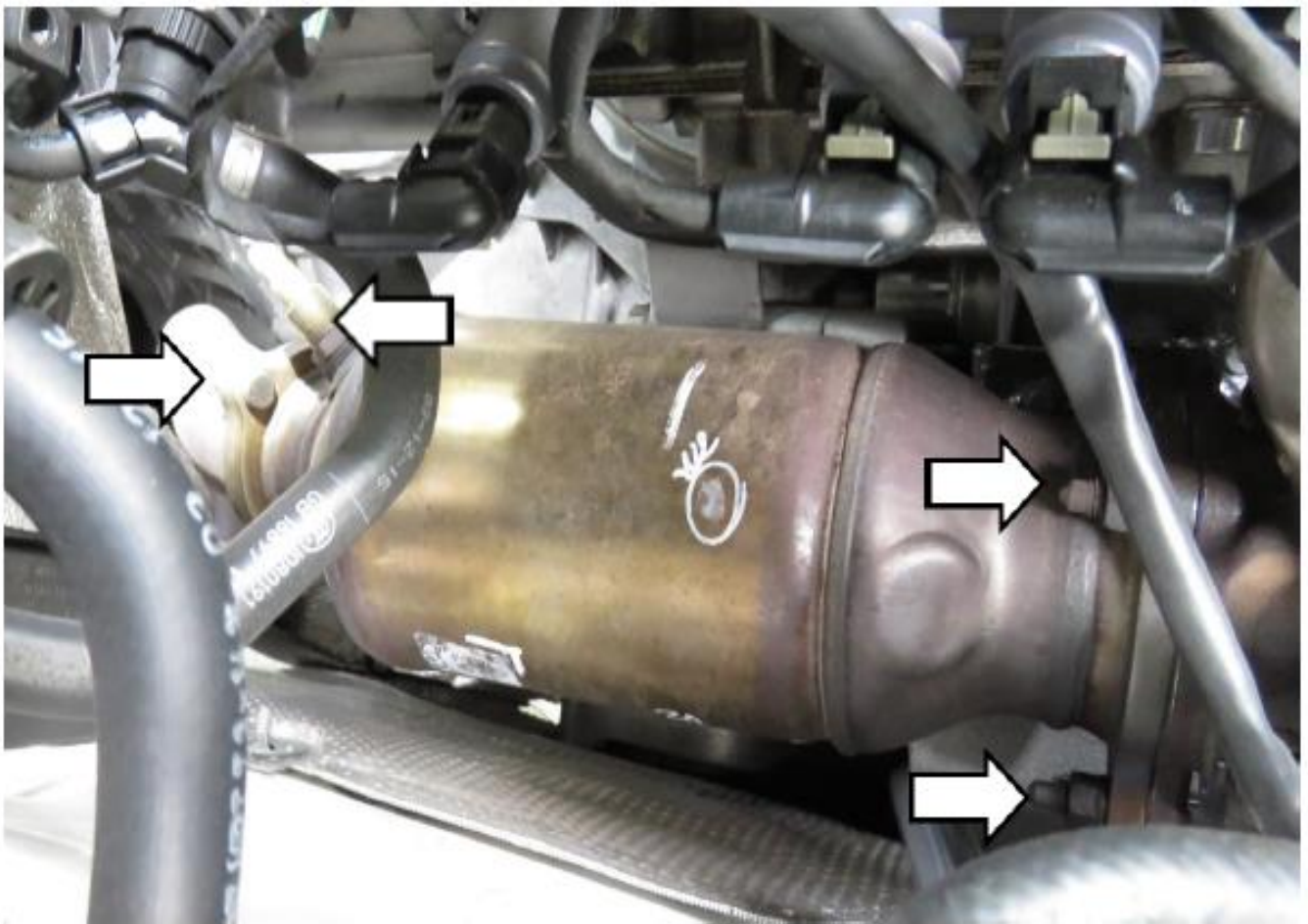
(Figure 3)



4. Remove the front tube after removing the catalyst back iron screw.
5. Remove the oxygen sensor and unscrew the catalyst front iron head to remove the catalyst (Figure 4).

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

**Use an appropriate tool to remove the oxygen sensor to avoid line damage!**

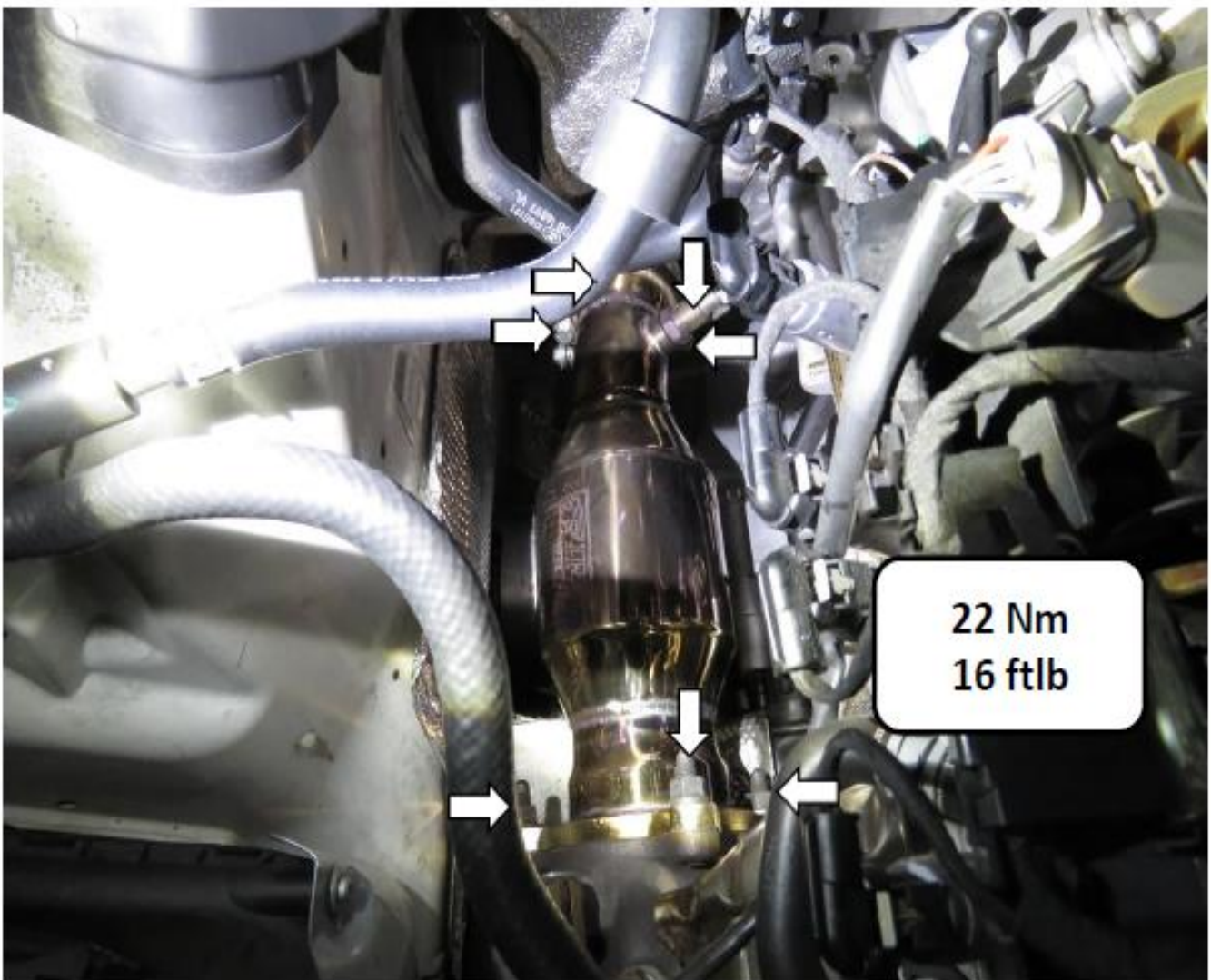


(Figure 4)

## (5) Steps for installing IPE exhaust and related key points

1. Install the catalyst section to the position and lock the oxygen sensor. The catalyst is pre-locked, not locked, and then locked after the front tube is installed and positioned (Fig. 5).

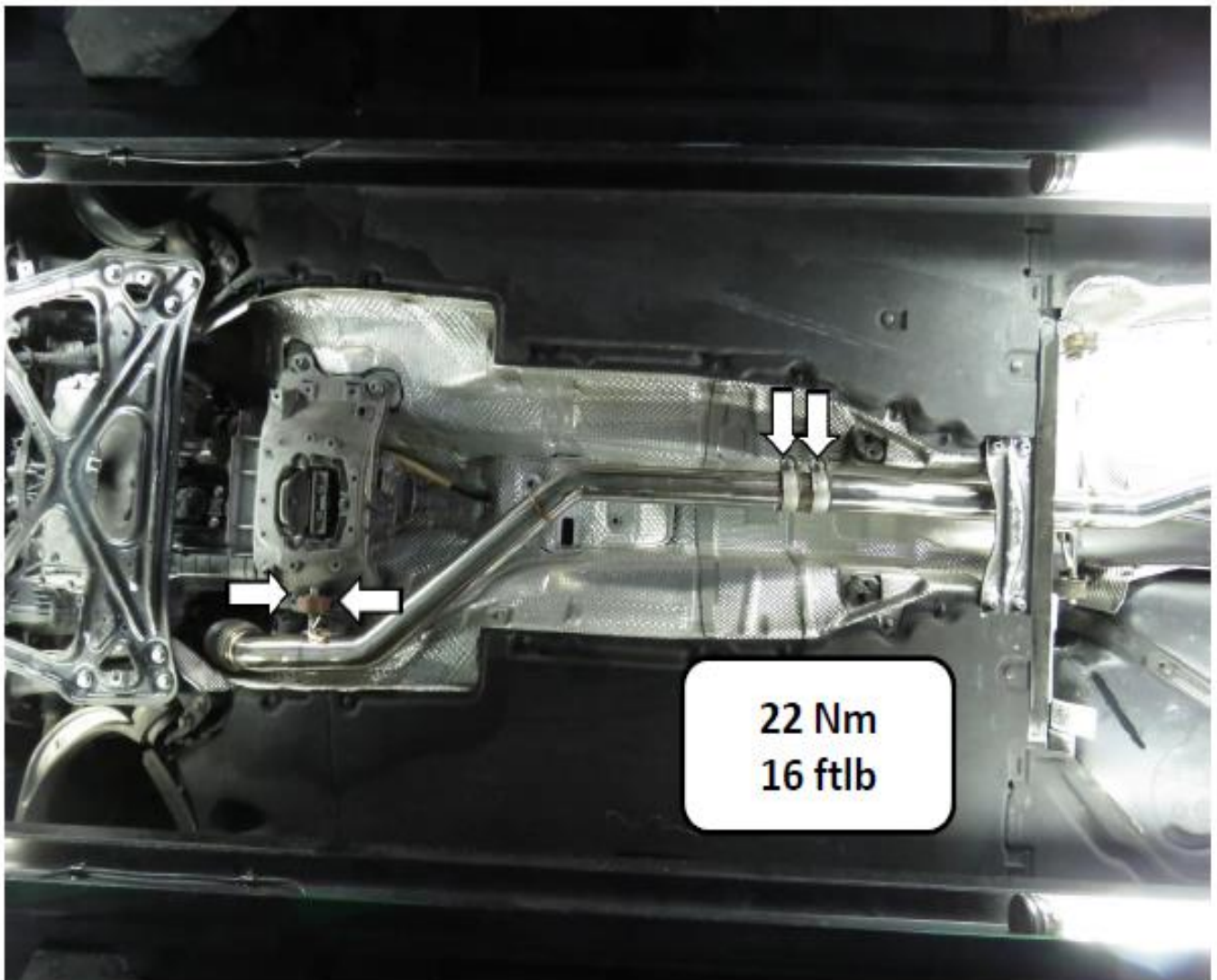
**Note: Lock the screws to the proper torque**



(Figure 5)

2. Install the front pipe to the positioning and install the lifting lugs first. The screws are pre-locked. After the front pipe head is locked, lock the lifting ears (Figure 6).

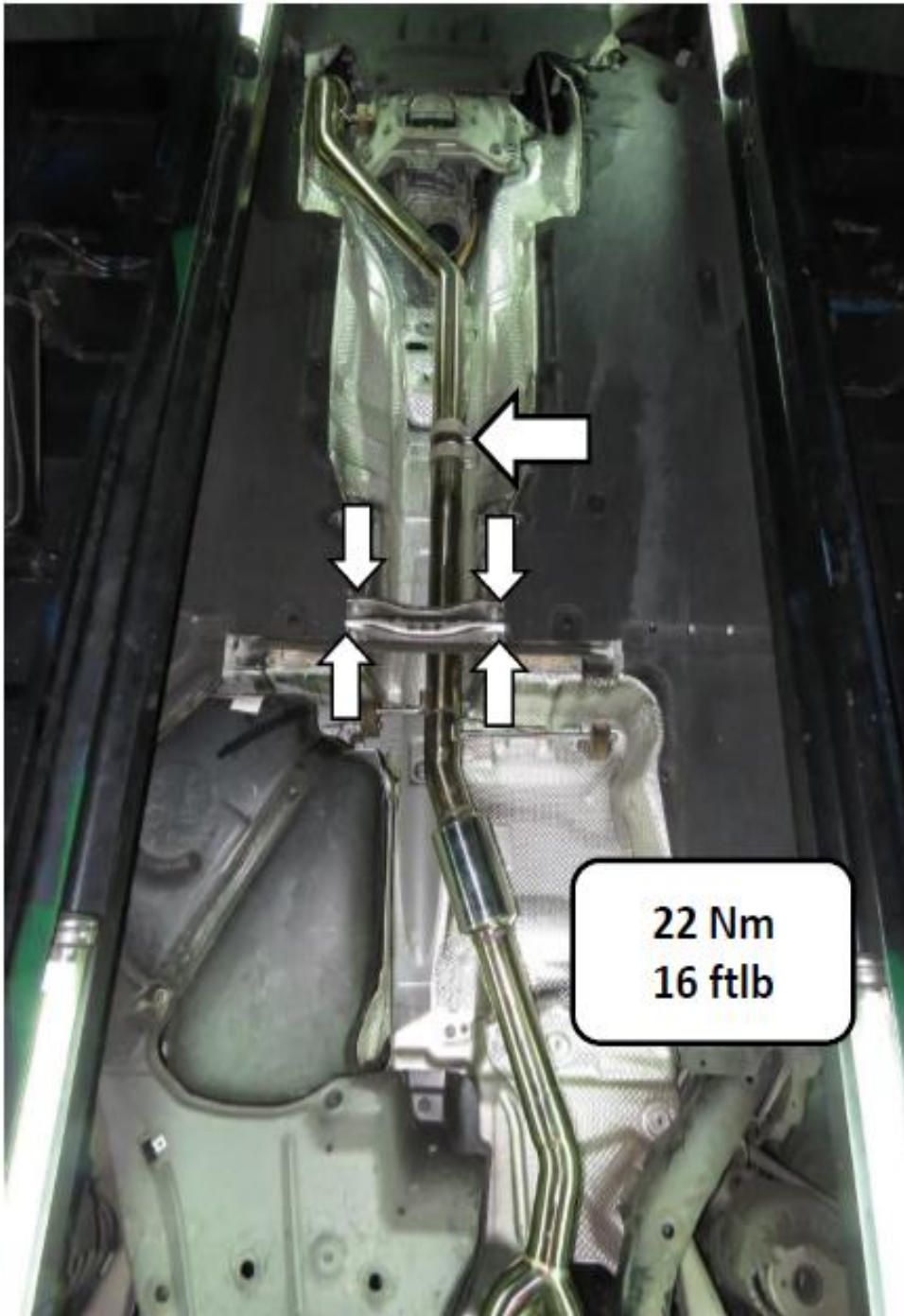
**Note: Lock the screws to the proper torque**



(Figure 6)

3. Install the middle pipe to the position and install the original sleeve (Figure 7).

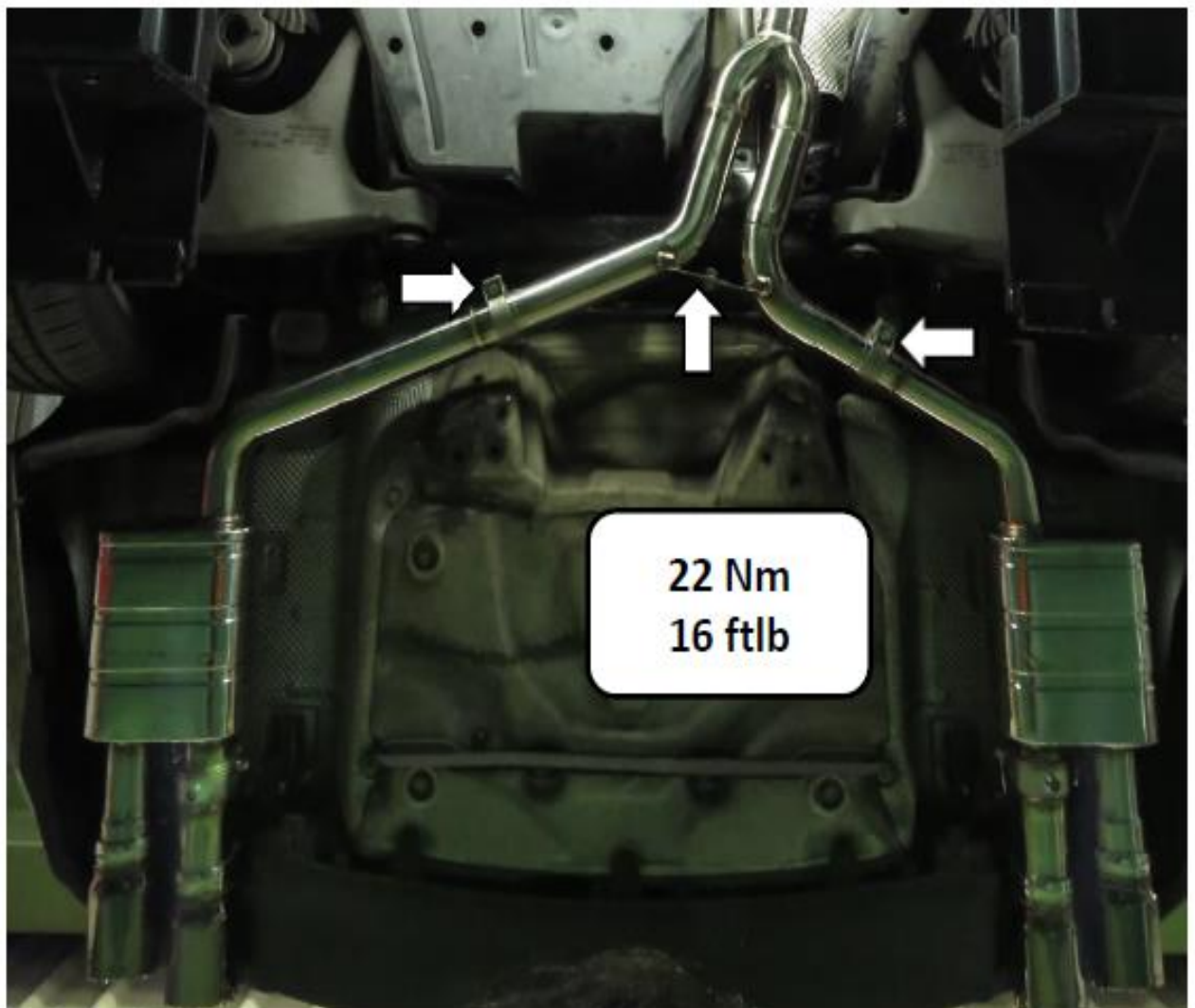
**Note: Lock the screws to the proper torque**



(Figure 7)

4. Install the muffler to the positioning and lock the middle pipe rear plate screws (Figure 8).

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



(Figure 8)

5. Use a flat-blade screwdriver to pry the side cover next to the instrument panel (Figure 9).

**Note:** The side cover has holes, which can be opened according to the hole position.

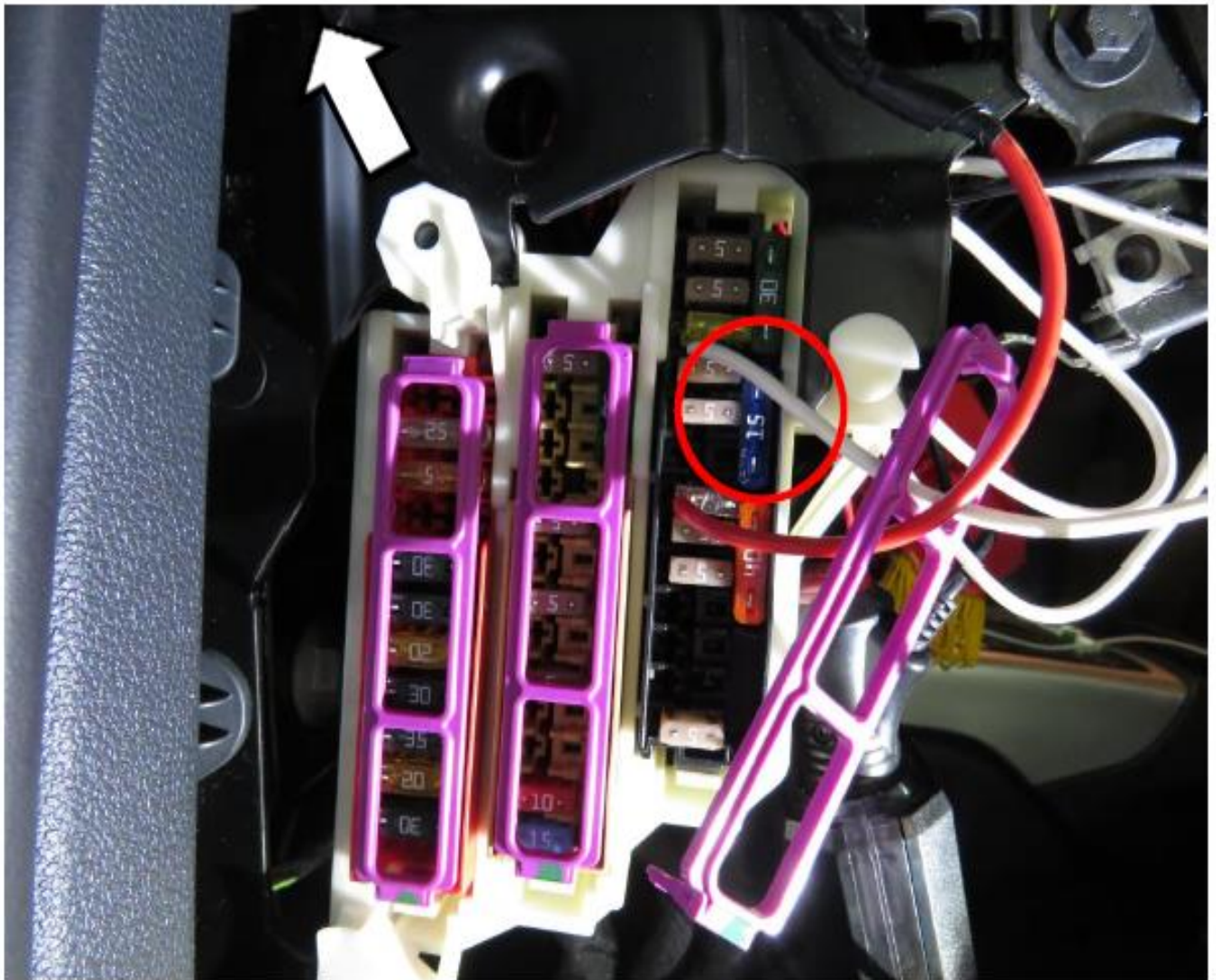


(Figure 9)

6. After opening the side cover, use a 15A fuse to provide OBD power (Figure 10).

7. Lay the grounder to the upper screw (Figure 11).

**Note: When wiring, be careful not to short circuit, so as to avoid circuit damage; do not pull the wire strongly when wiring**



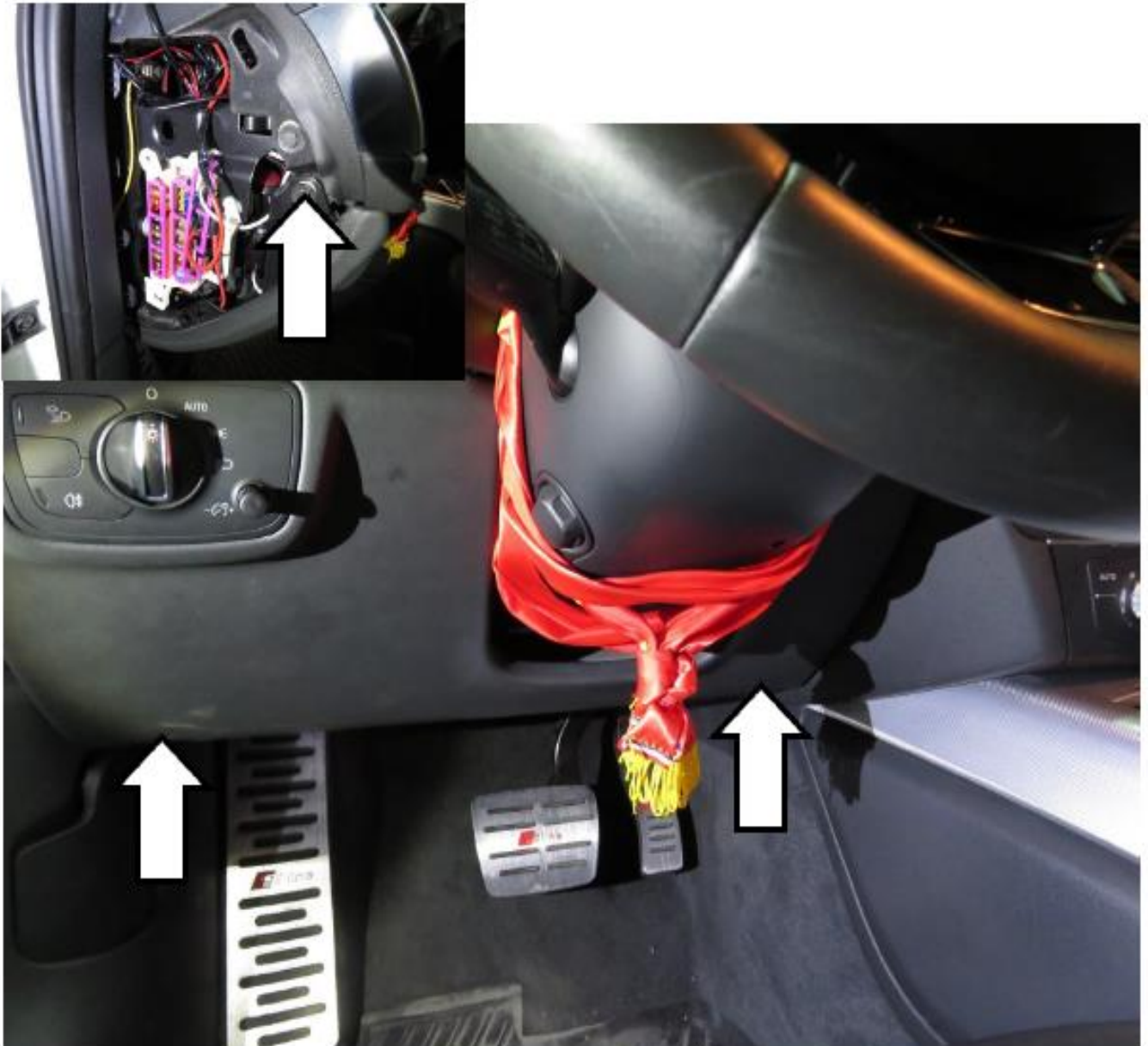
(Figure 10)



(Figure 11)



8. After removing the steering plate lower plate screws, there will be a screw on the side (Figure 12).



(Figure 12)

9. After cutting the inside and outside of the dustproof sleeve of the steering column, the solenoid valve wire set can be inserted into the vehicle (Figure 13).

Inside the car



Outside the car



(Figure 13)

10. Find the engine vacuum source and connect the vacuum check valve and tee  
(Figure 14).



(Figure 14)

11. Install the air reservoir and solenoid valve in place (Figures 15, 16).



(Figure 15)



(Figure 16)

12. Complete the OBD line set and secure the controller and gesture controller to the appropriate position (Figure 17).
13. 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 17)