



# iPE Exhaust

Automotive exhaust system engineering

## AUDI A5-B9

## Quattro

Product Installation Instructions

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

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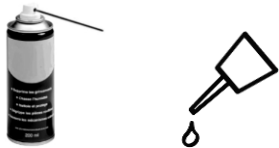




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# (1) Important message

1. Please read the installation manual before installing the iPEexhaust pipe.
2. Please install by the technician of the car exhaust system or familiar with the iPEexhaust system.
3. This manual provides detailed installation instructions to ensure proper installation and use of iPEexhaust pipe; in case of improper use and disassembly, the company does not assume any responsibility for loss and personal injury.
4. When installing the iPEexhaust 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 iPEexhaust 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 iPEexhaust pipe, please contact your local iPEpartner or contact us at

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	
12 angle sleeve	

### (3)Product assembly appearance



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

Move the vehicle to the jacking machine and lift it to a suitable position.

Note: Please park the vehicle properly, and really lift the vehicle, when it is lifted, the surrounding space is clear, pay attention to the height to ensure the safety of people and vehicles! After removing the screws, place them neatly to avoid confusion during recovery.

if necessary Use lubricant before disassembly.

1. Remove the guard of the vehicle (Figure 1).

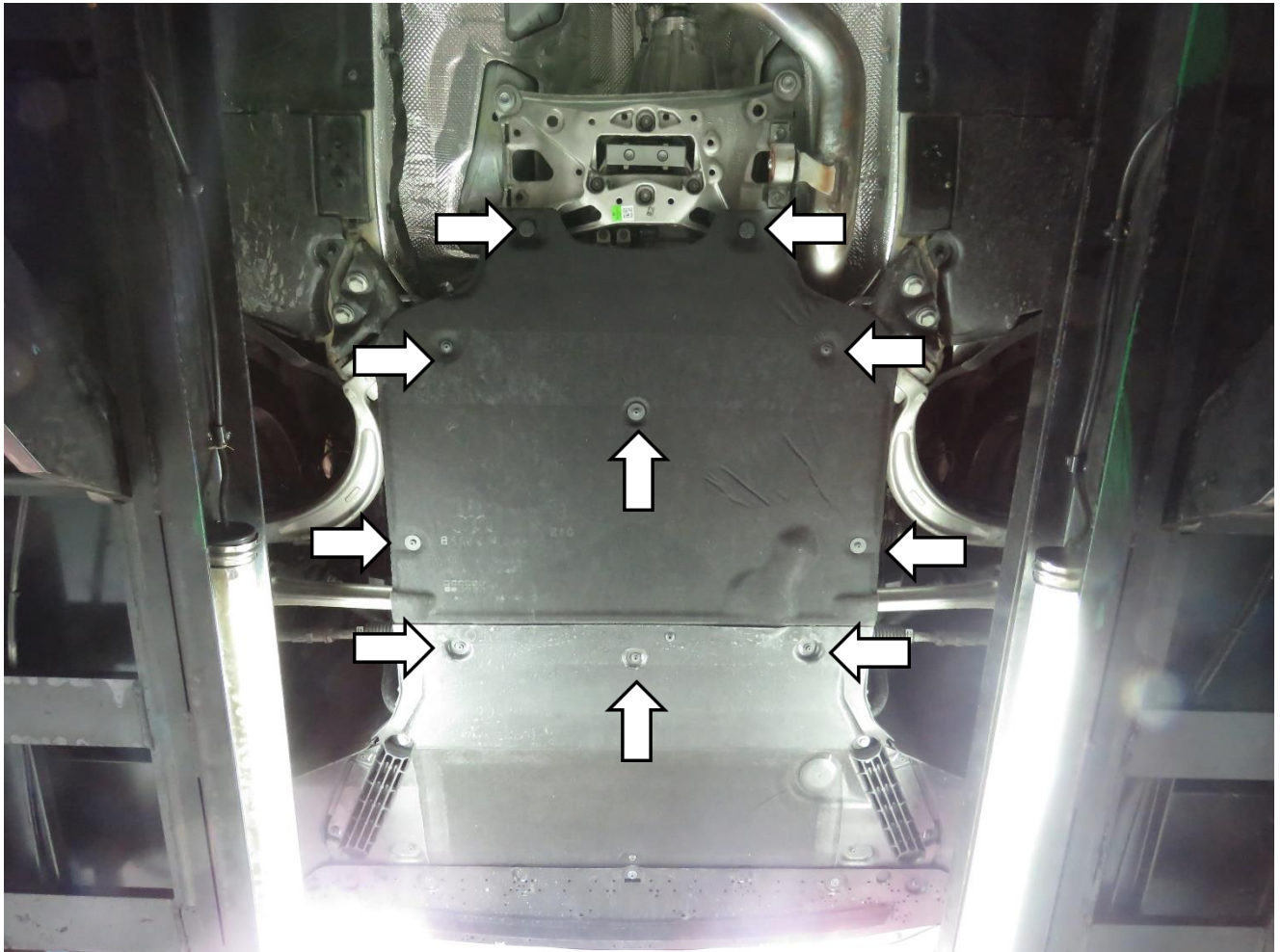


Figure 1



2. remove bottem, middel and back side of chassis drawbar (Figure 2).
3. remove back side chassis guard.
4. Loosen the middle sleeve screw and pull the bushes out.

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

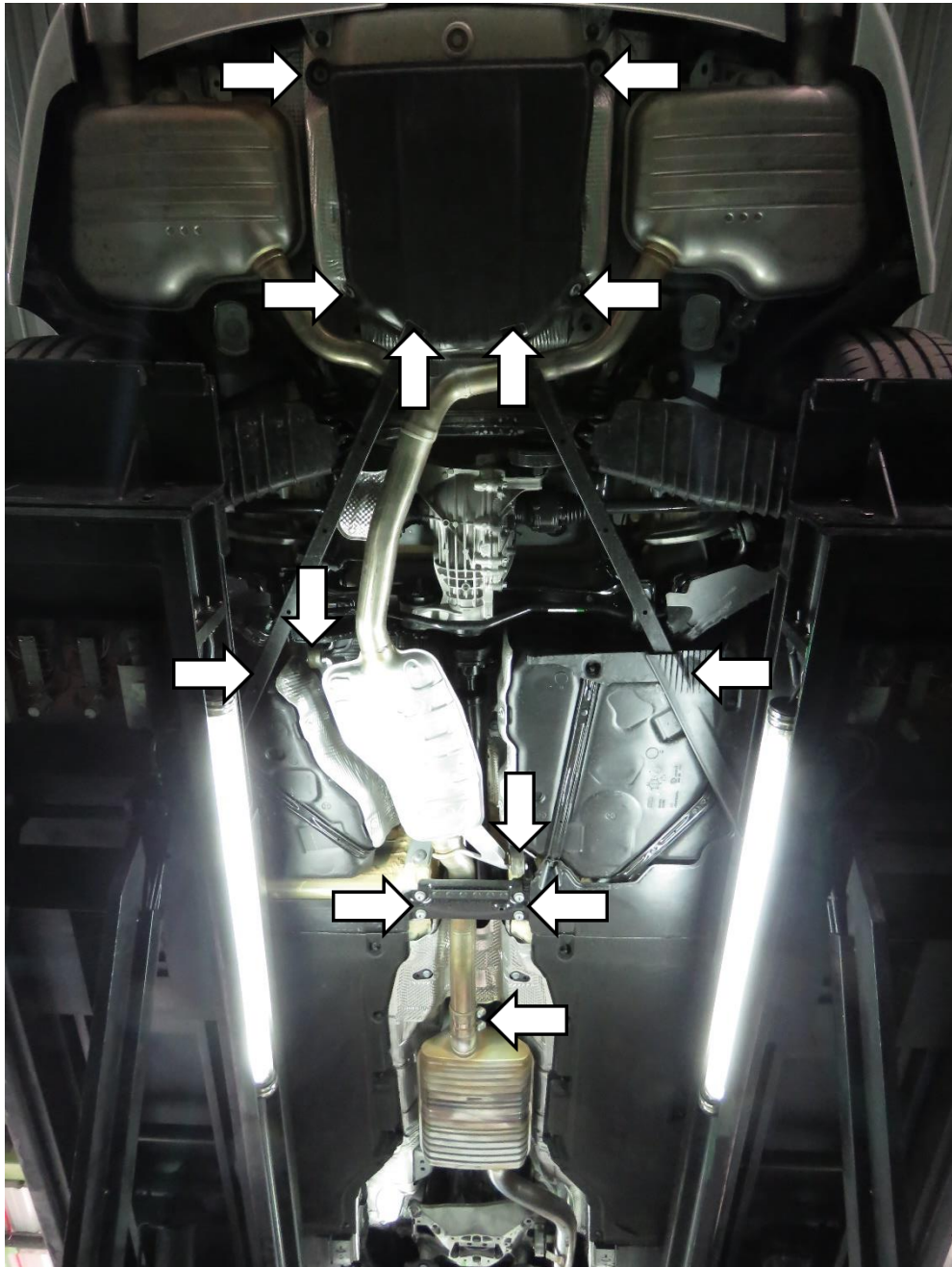


Figure 2

5. Remove the screws on the left and right side of the muffler to remove the middle muffler.

Note: After removing the screws, place them neatly to avoid confusion during recovery.

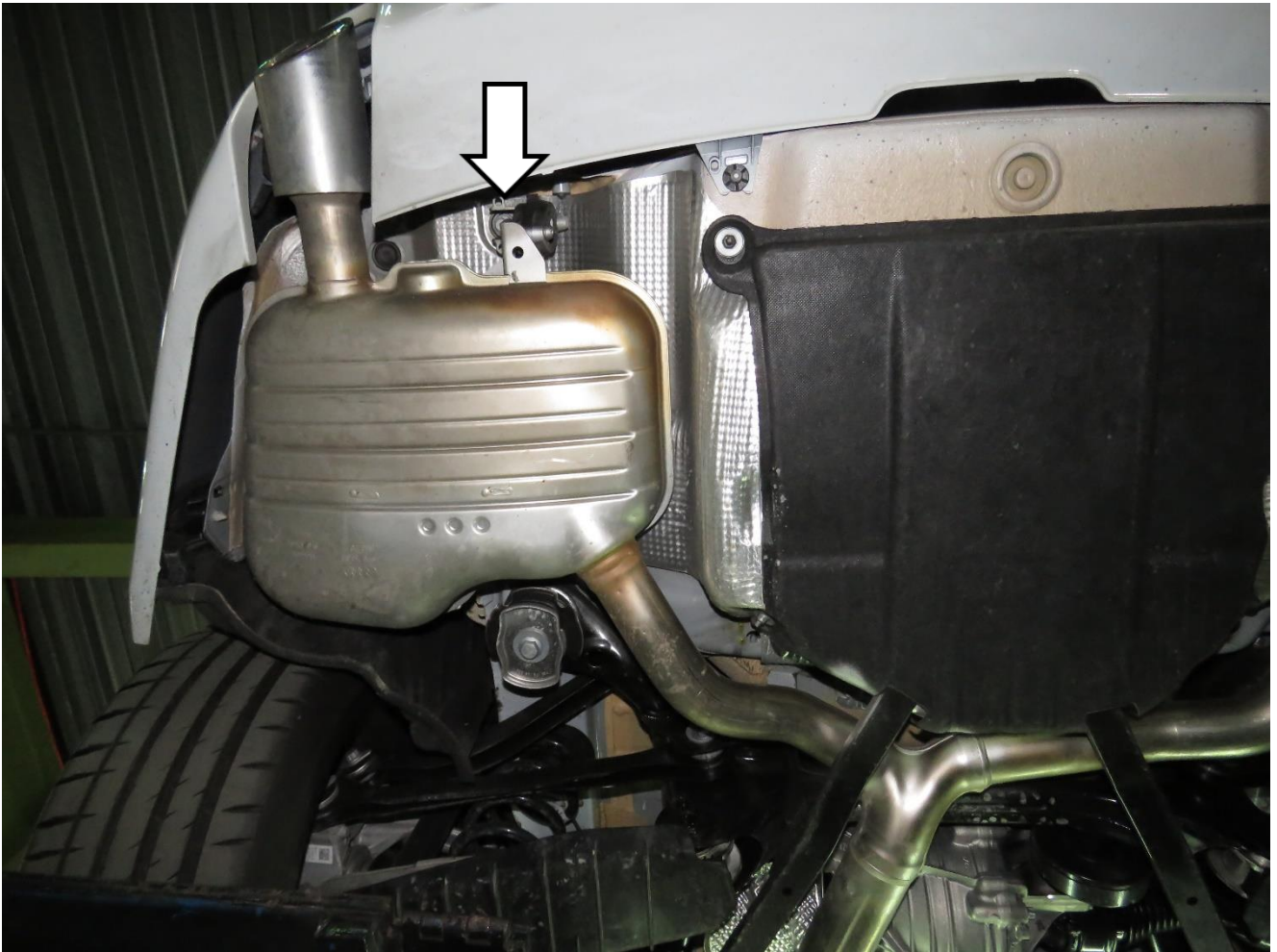


Figure 3



6. remove front pipe retainerscrew and bushes screw.

Note: After removing the screws, place them neatly to avoid confusion during recovery.

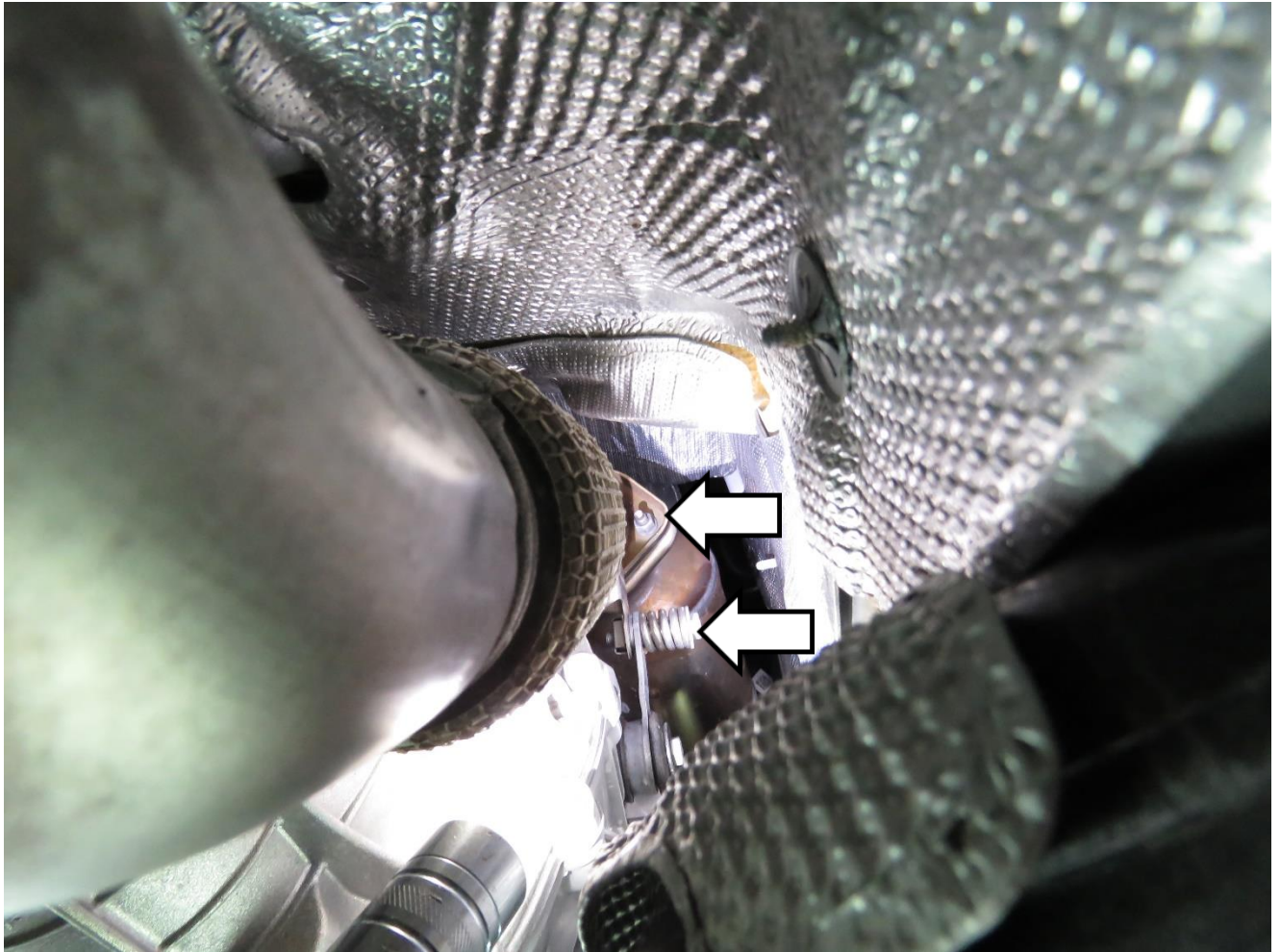


Figure 4

7. Remove the hood.
8. Remove cat pipe retainerscrew and remove the oxygen sensor (Figure 5)

Note: After removing the screws, place them neatly to avoid confusion during recovery.

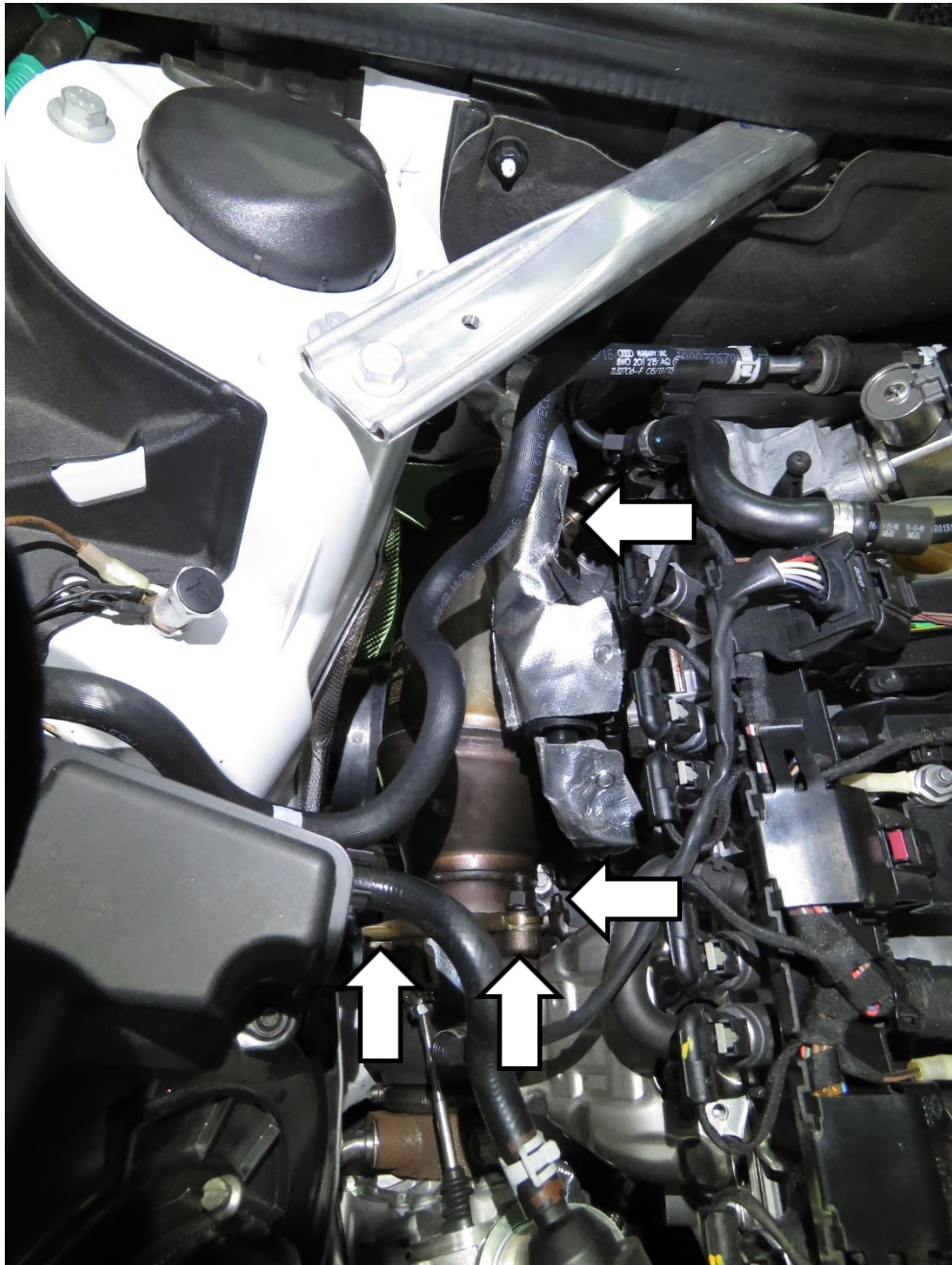


Figure 5



## (5) Steps and related points for installing

1. Install the cat pipe and locked the oxygen sensor (Figure 6)

Note: Use Torque wrench 22 Nm 16 ftlb

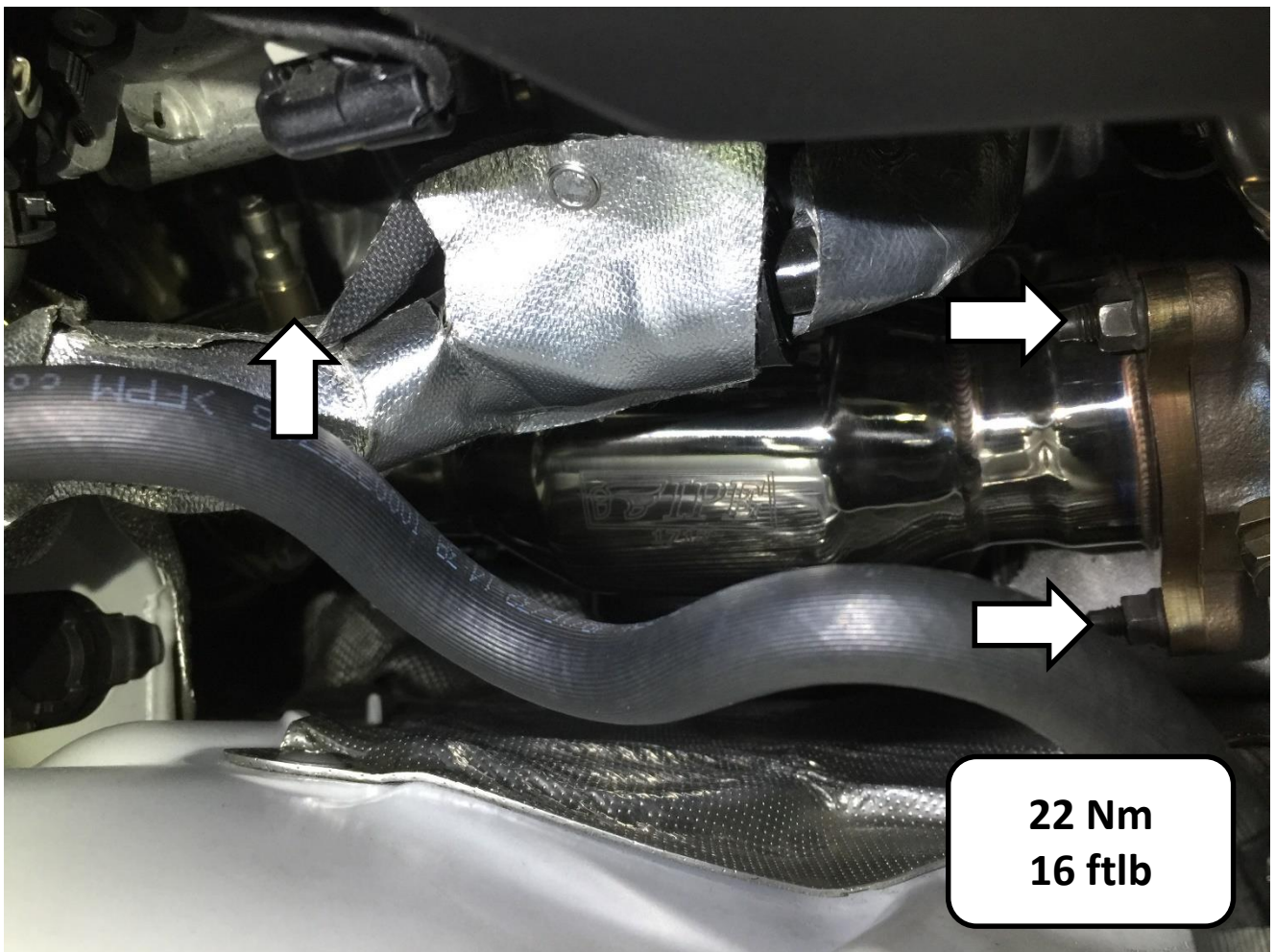


Figure 6

2. Install the front pipe then Install the bushes (Figure7) .

**Note: Use Torque wrench 22 Nm 16 ftlb**

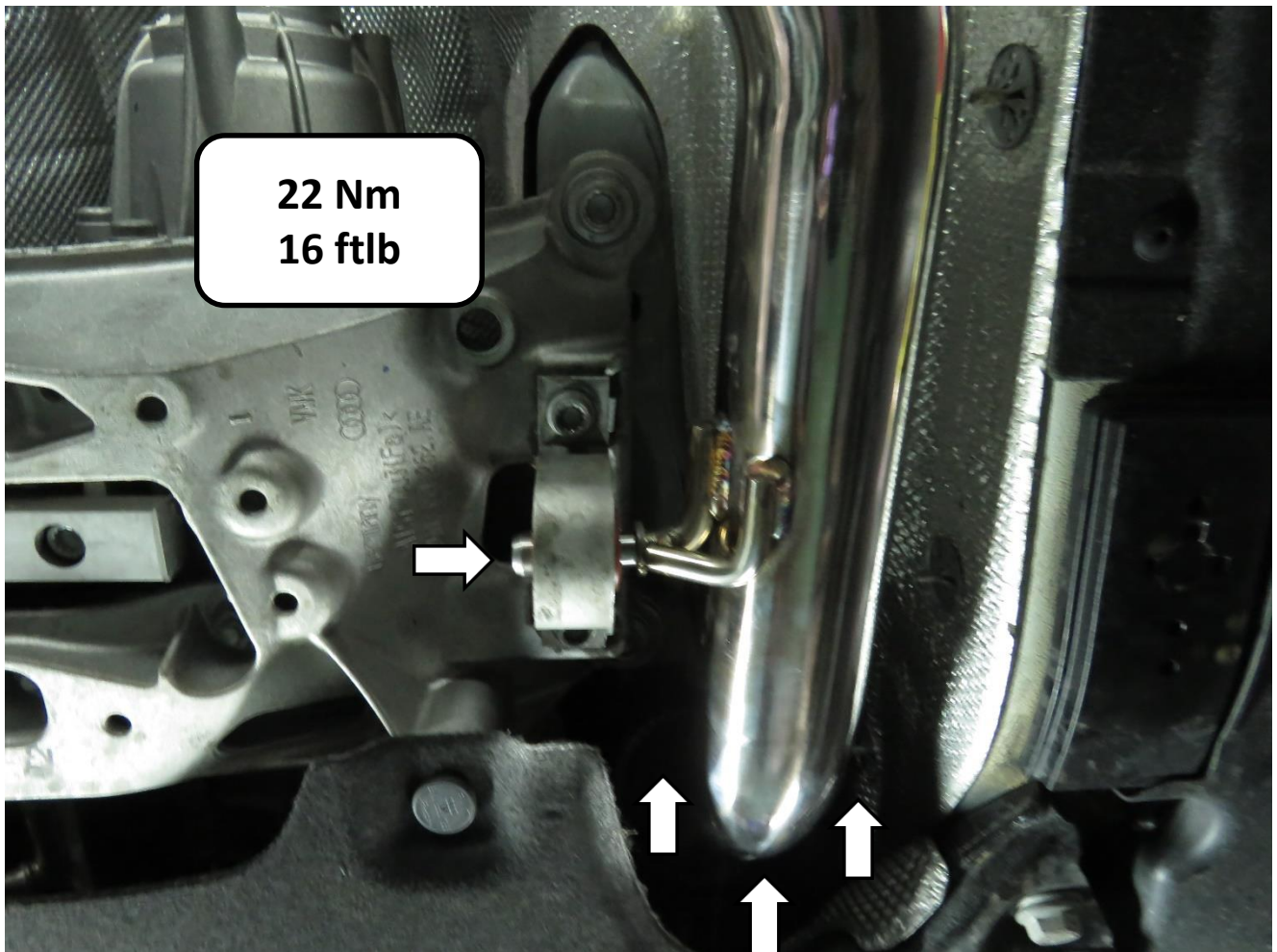


Figure 7

3. Install the mid pipe then install the original slide sleeve and lower bracket(Figure 8)

Note:Use Torque wrench 22 Nm 16 ftlb

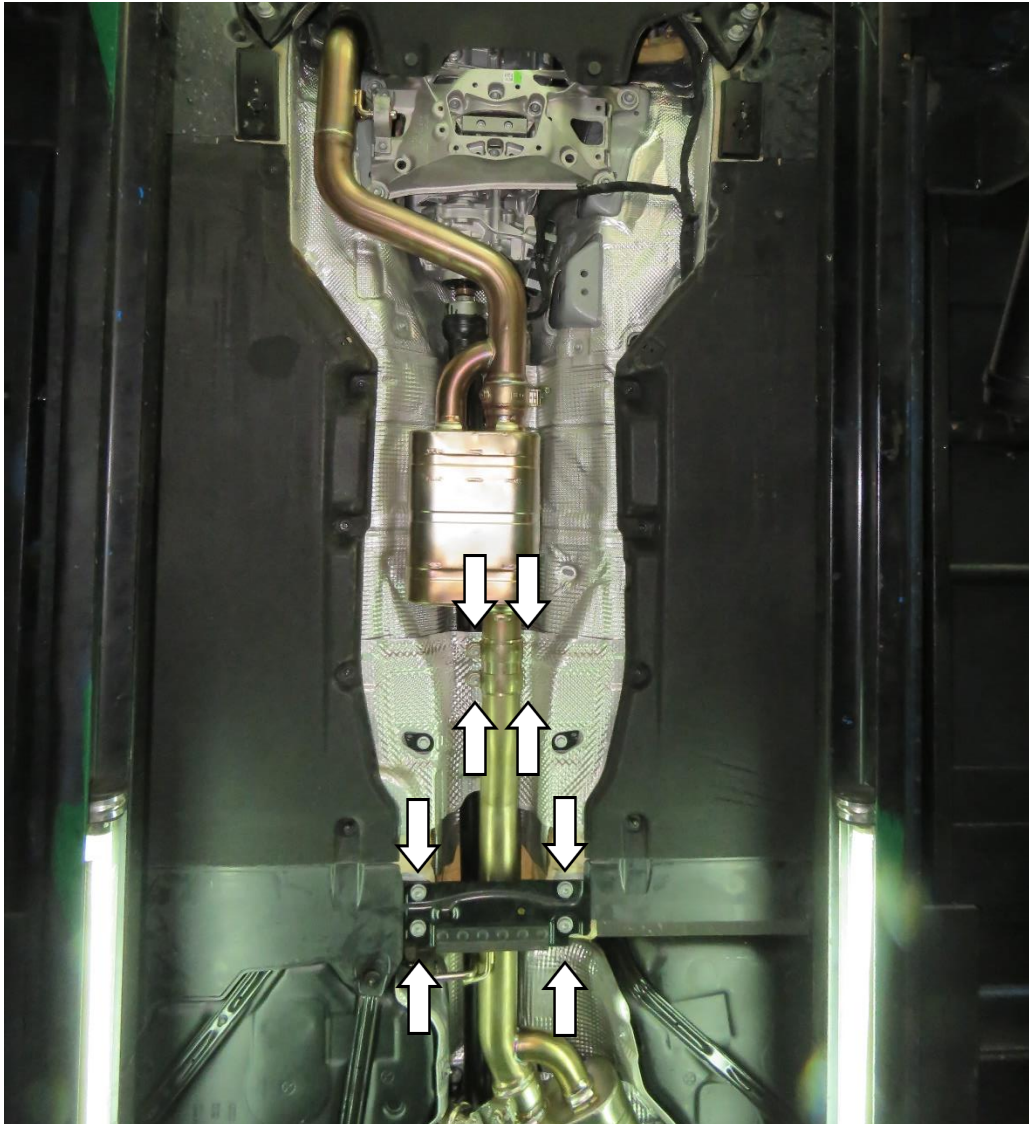


Figure 8



4. Install the muffler to the middle using original slide sleeve, gas cylinders and electronic valves are installed on the left and right sides of the differential (Figure 9).
5. Install all dismantled parts and restore according to the correct installation procedure.

**Note: Screw on appropriate power.**

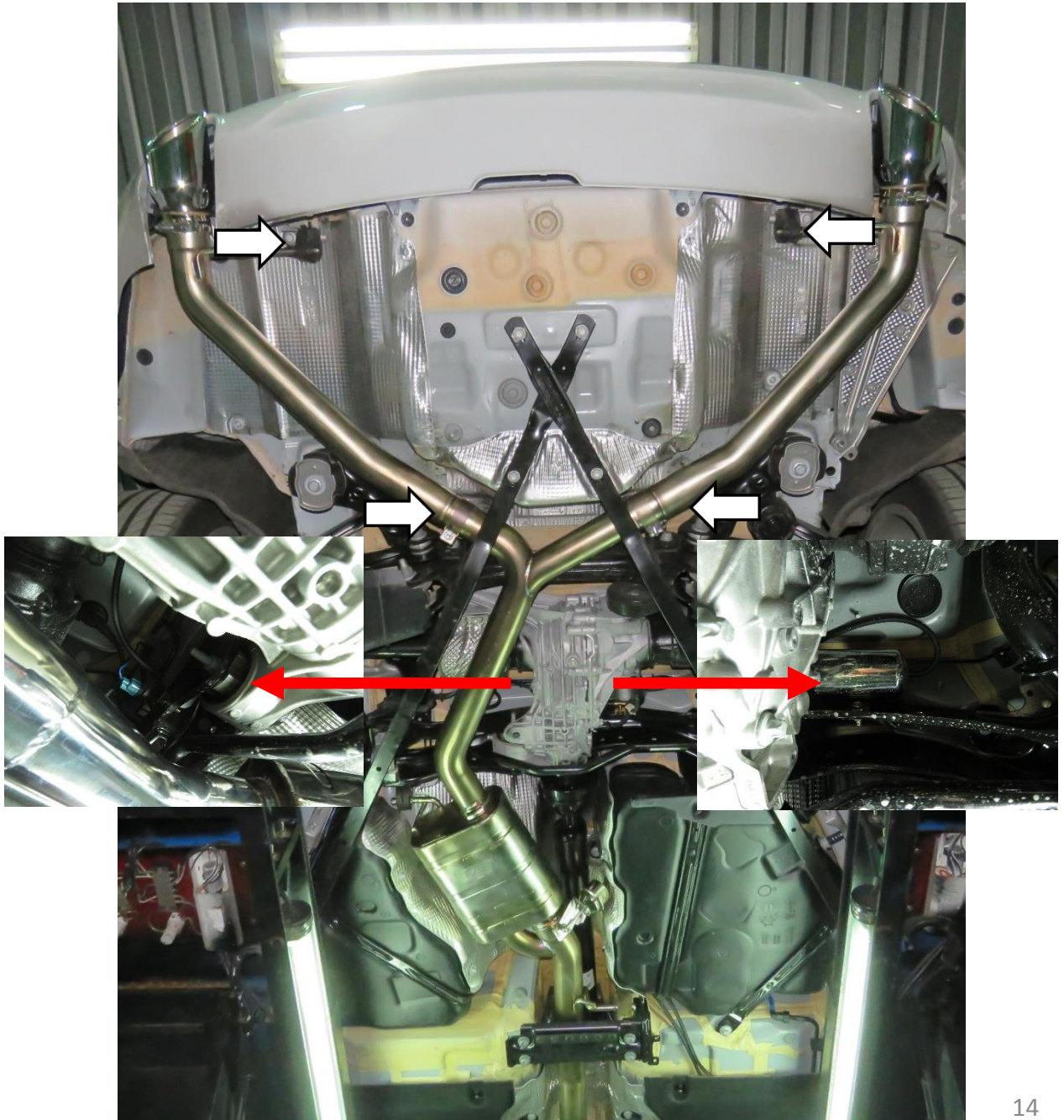


Figure 9



6. Remove the two screws on the trim plate above the pedal (Figure 10).
7. Remove the side trim panel, and then remove the screws to remove the trim panel (Figure 11)



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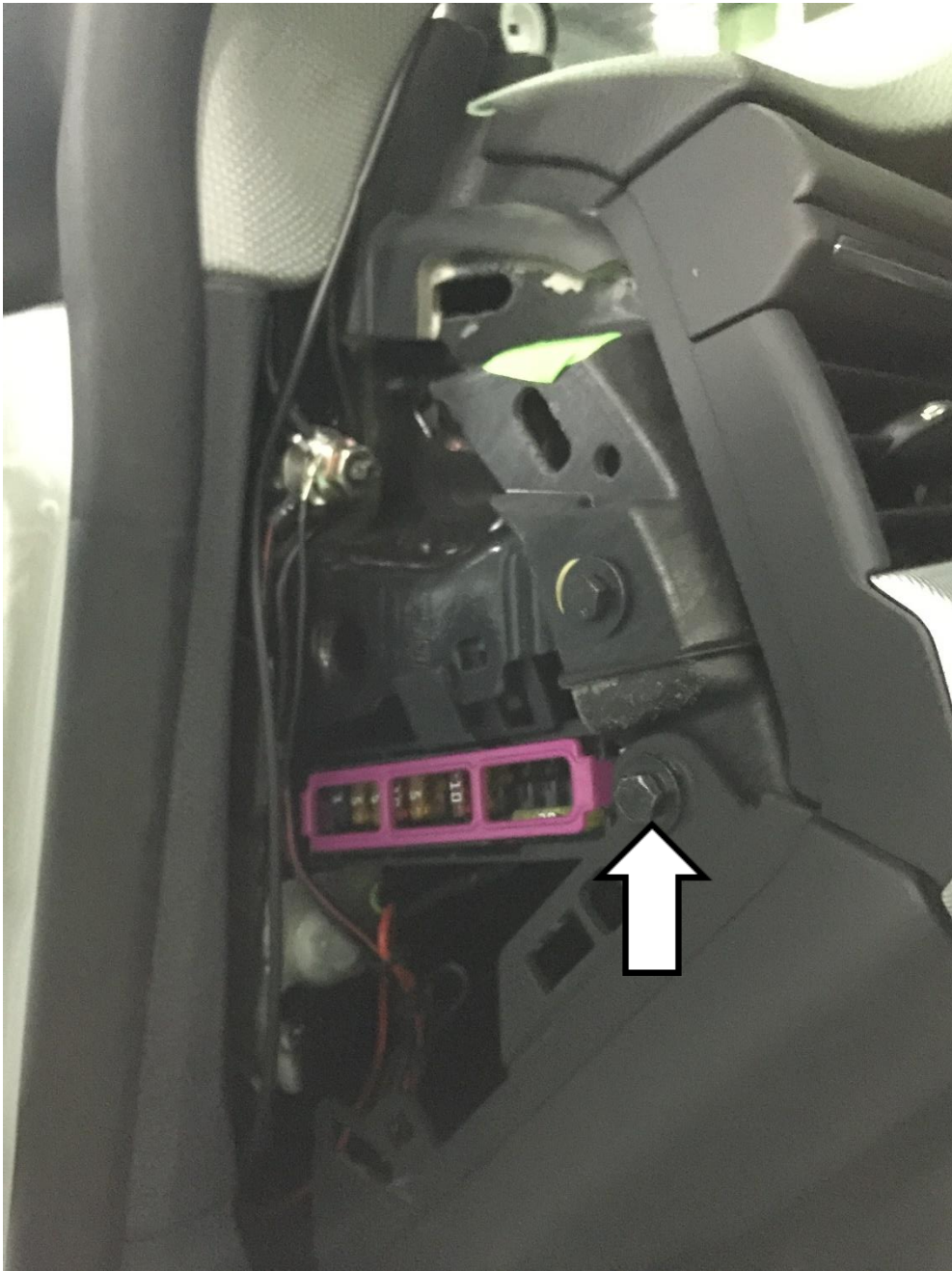


Figure 11

8. Remove the rest pedal, you can see the fuse holder, and connect the OBD controller power supply to the 15A fuse; the negative pole is the side trim of the vehicle (Figures 12, 13, and 14).

**Note:** When wiring, be careful not to short-circuit to avoid circuit damage. To avoid circuit damage, do not pull the wire forcefully when wiring.

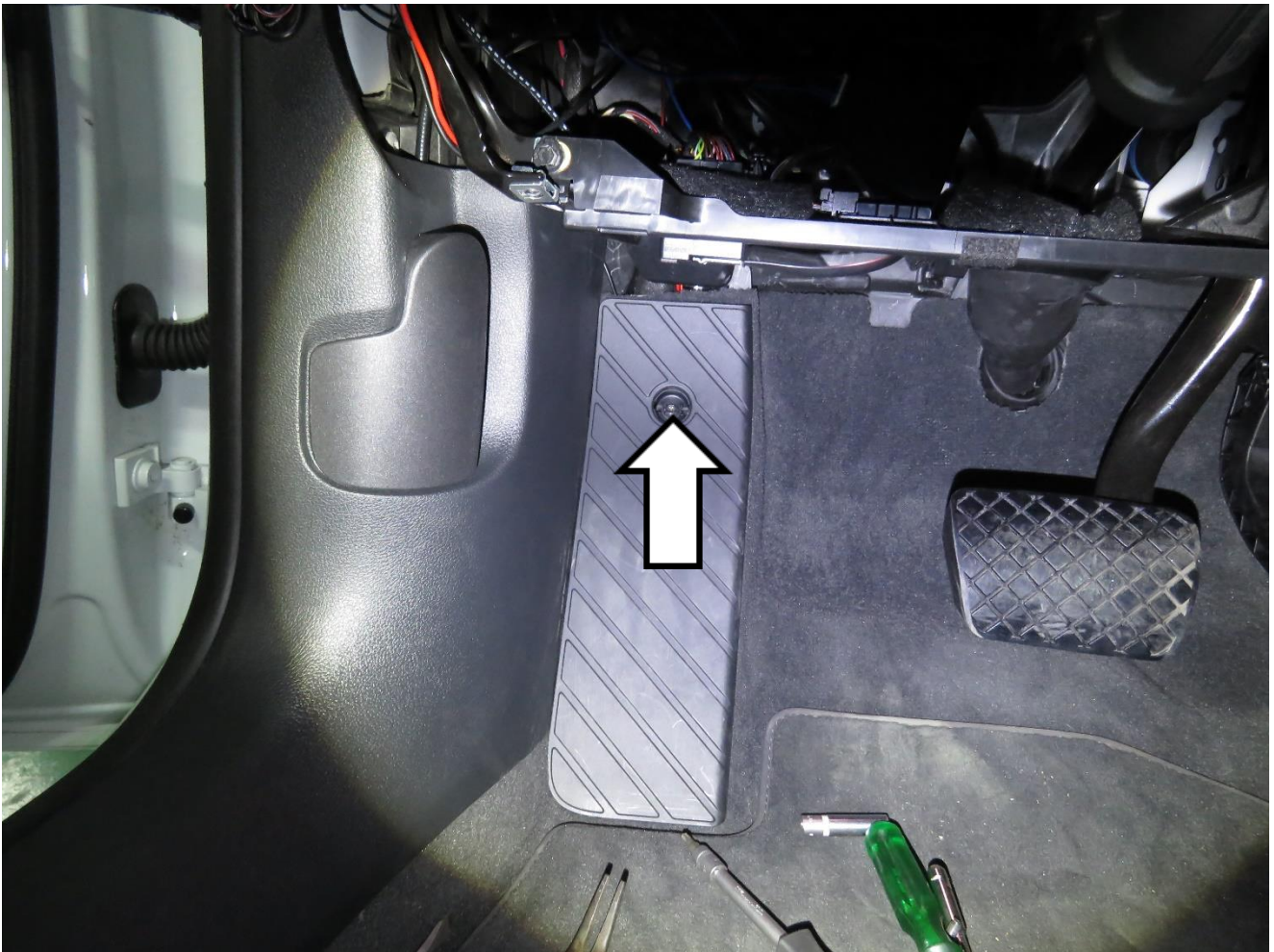


Figure 12



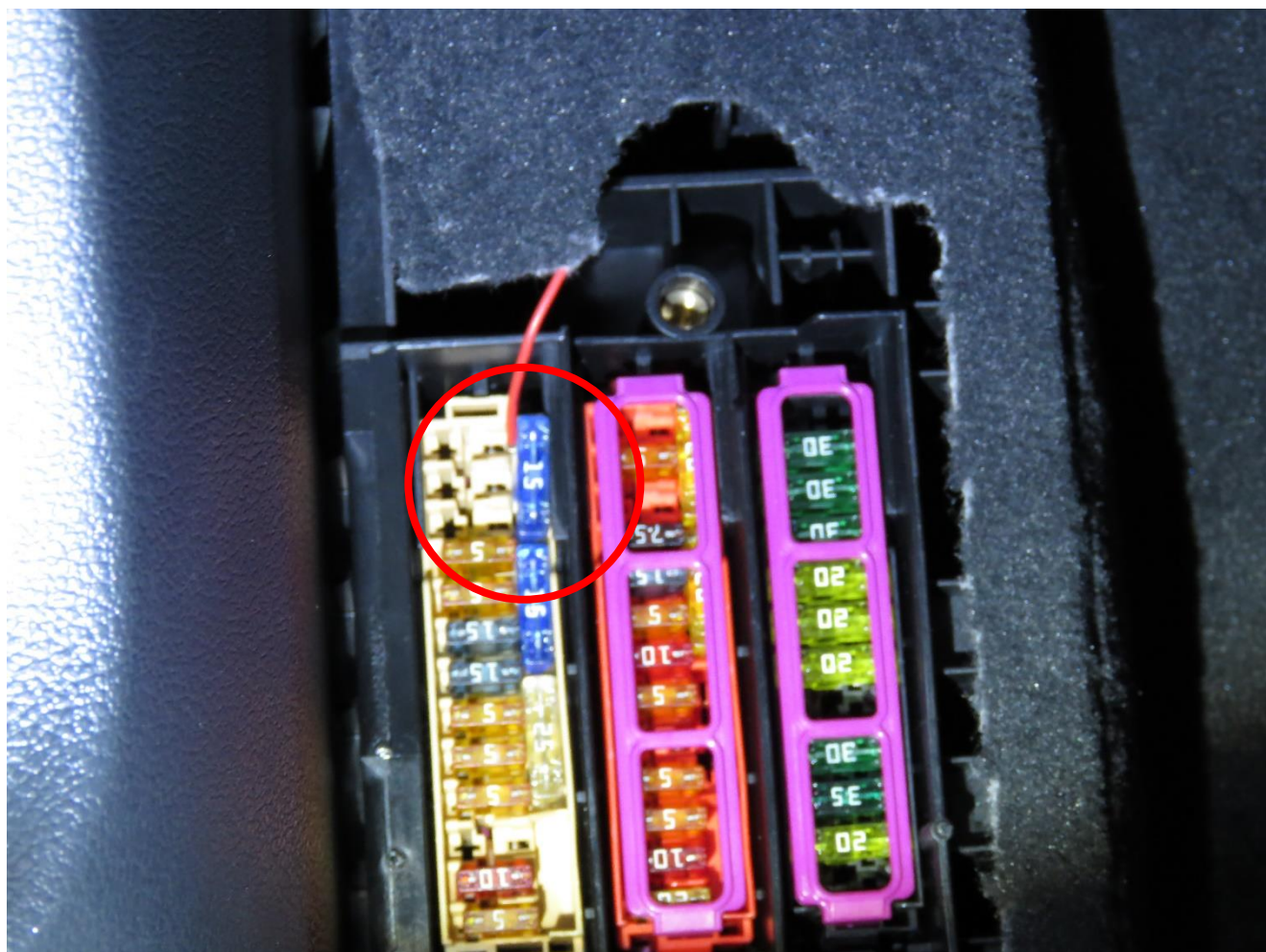




Figure 14



9. Electronic valve instal with Waterproof rubber next to steering shaft(Figure 15)。

Note: When wiring, be careful not to short-circuit to avoid circuit damage. To avoid circuit damage, do not pull the wire forcefully when wiring.



Figure 15



9. Vacuum line in the red mark(Figure 16)。
10. Electronic valve and gas storage barrel install with Differential left and right side(Figure 17)

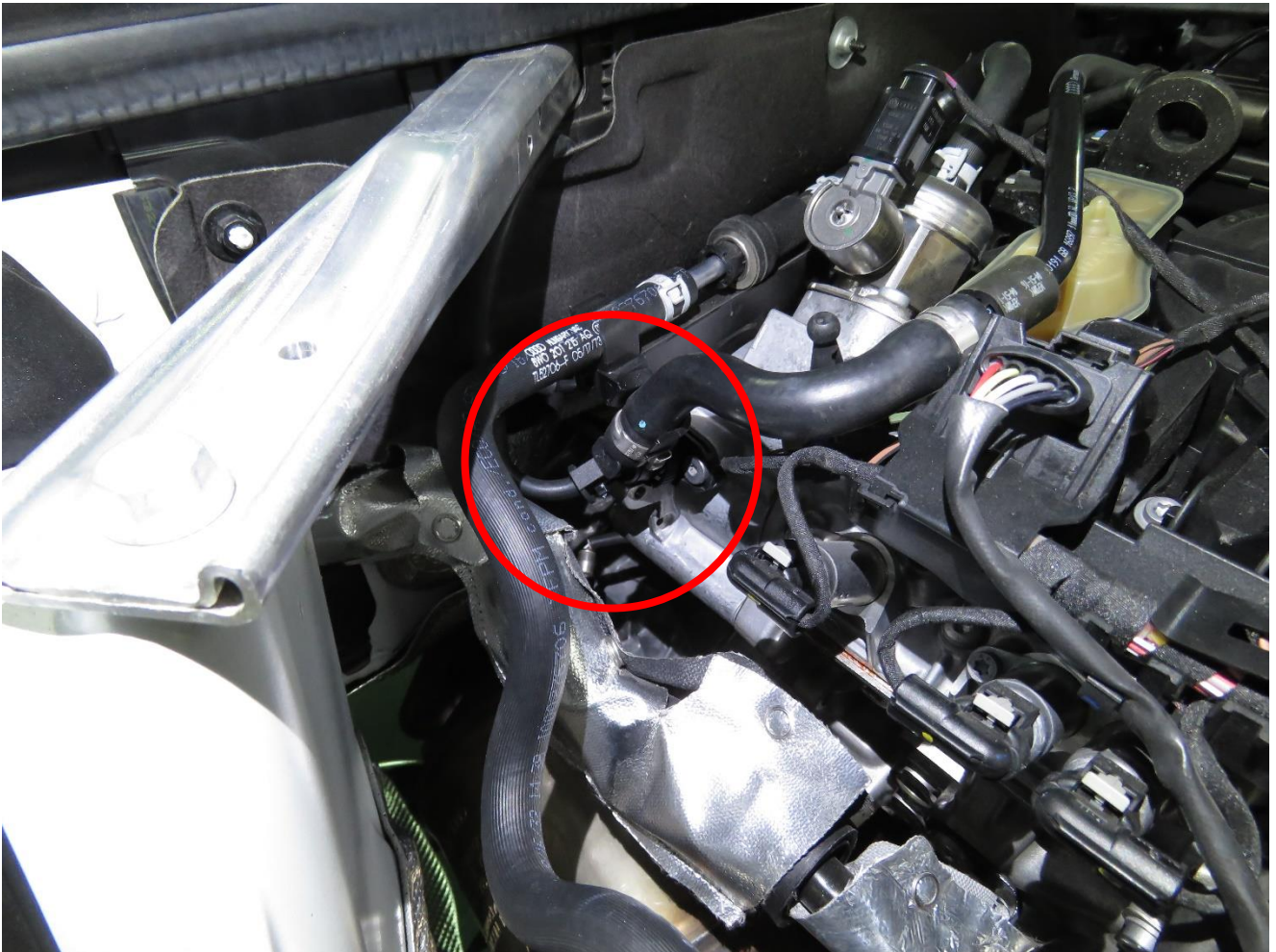


Figure 16

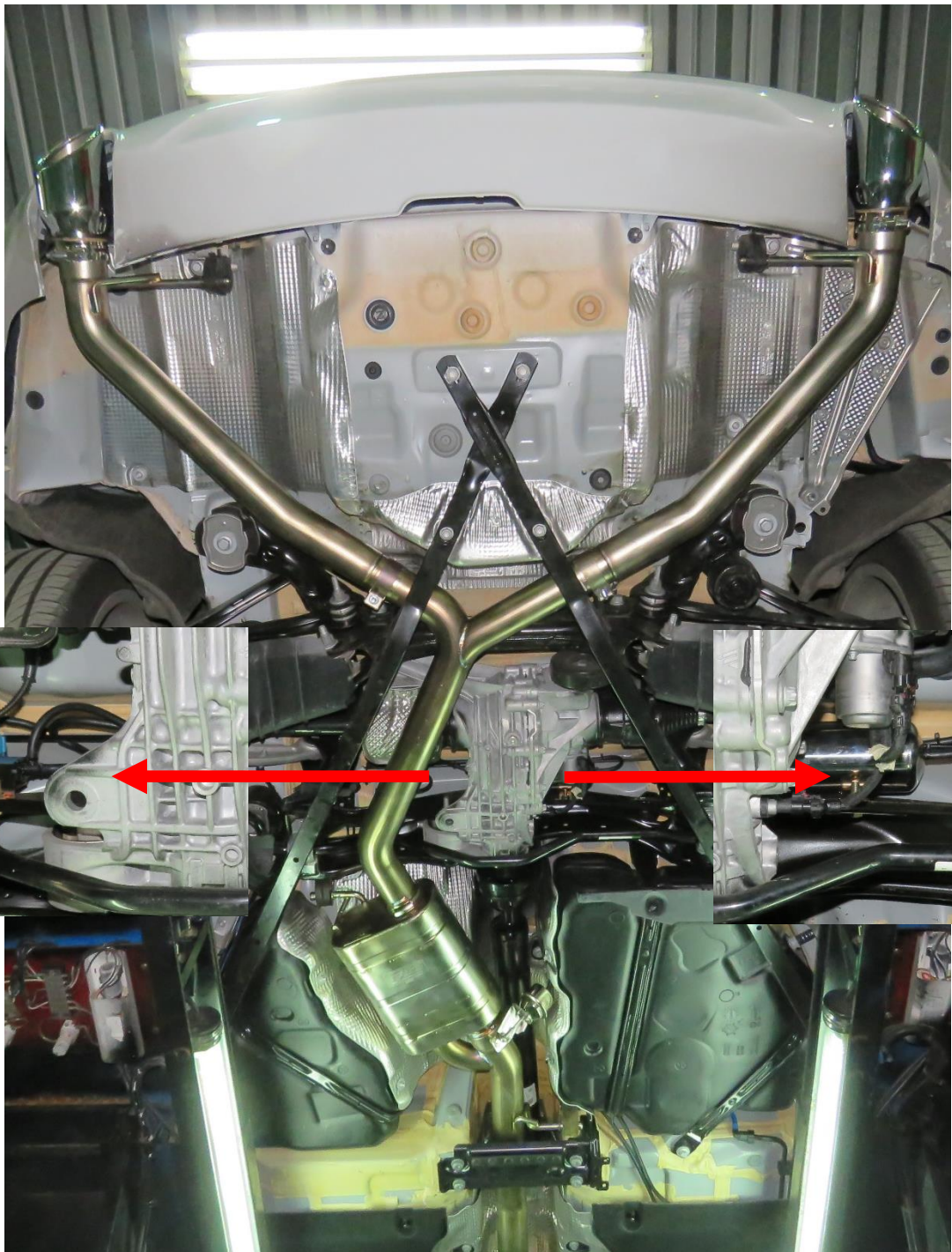


Figure 17



## (6) ipe exhaust and Vacuum tube wiring and related key points

Control parts drawing and corresponding connection.

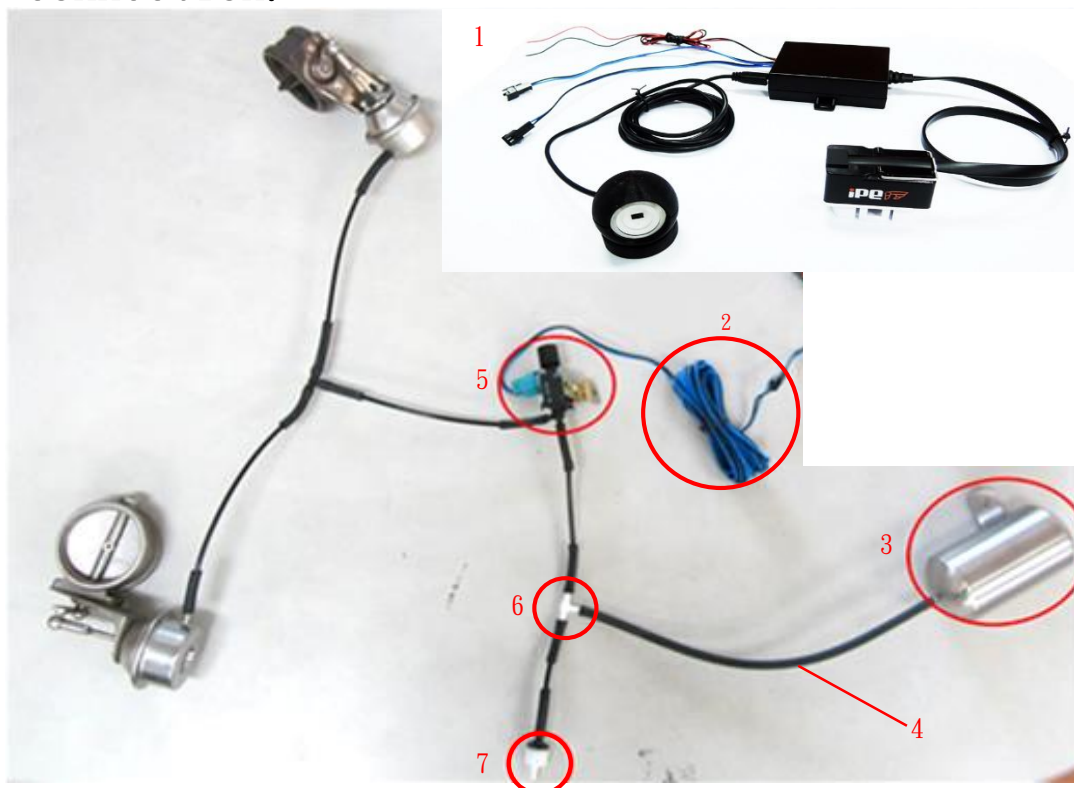


Figure18

編號	品名	編號	品名
1	OBD Control	5	Vacuum solenoid valve
2	Blue Black Line /valve wire	6	three way connector
3	Vacuum pressure tank	7	one way valve
4	Pressure tube wire		