



# **Installation instructions**

## **iPE Exhaust system for Porsche 718 Boxter Cayman**

# 1. Preface

This document explains installation procedures that relates setting and operation methods for the exhaust sold by IPE. There are 2 processes and the working content and time of each process as below chart 1-1. The estimated time is based on team work by an experienced technician and an assistant.

	<b>Working Content</b>	<b>Estimated time</b>
1	Demount Stock Exhaust System	2hrs
2	Install iPE Exhaust System	2hrs
Total		4hrs

Chart 1-1

## Important Notice

- iPE developed this exhaust according to the improvement of stock . Therefore, there will be no effect of the car from the original manufacturer after installation. There is an inductive power supply function between the car key and the car for many vehicle models. Therefore, the car key should be kept away from the car with a distance of at least five meters to maintain safe conditions.
- The exhaust of a car right after driven is still in a high temperature. Thus, please wear heat insulating gloves to replace the exhaust, or perform the replacement after the temperature lowered to avoid burns.
- For avoiding the generation of resonance, please don't let the valve open too early when setting the valve to open automatically. The opening of the valve is recommended to be set to 60% of gas pedaling. Please refer to page 21 for the explanation of detail setting.
- iPE exhaust is designed according to the stock engine data. In case the engine computer upgraded for increasing horse power, obvious resonance in conjunction with this exhaust could occur. IPE also provide revised exhausts for such vehicles, please contact us for further details.

## 2. Tools required for operating Procedures



**Inner hexagonal wrench**  
6mm



**Star groove wrench, star driver**  
13mm 16mm

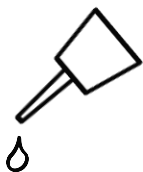


**Outer hexagonal wrench**  
13mm 、 6mm



**Torque wrench 10  
13mm**

Torque Wrench



**Rust Preventive spray**



### 3. Assembly of product appearance



## 4. Demounting Stock Exhaust

1. Up the car and demount back wheels.
2. Demount engine bottom protect shield.
3. Mount front the O2 sensors.

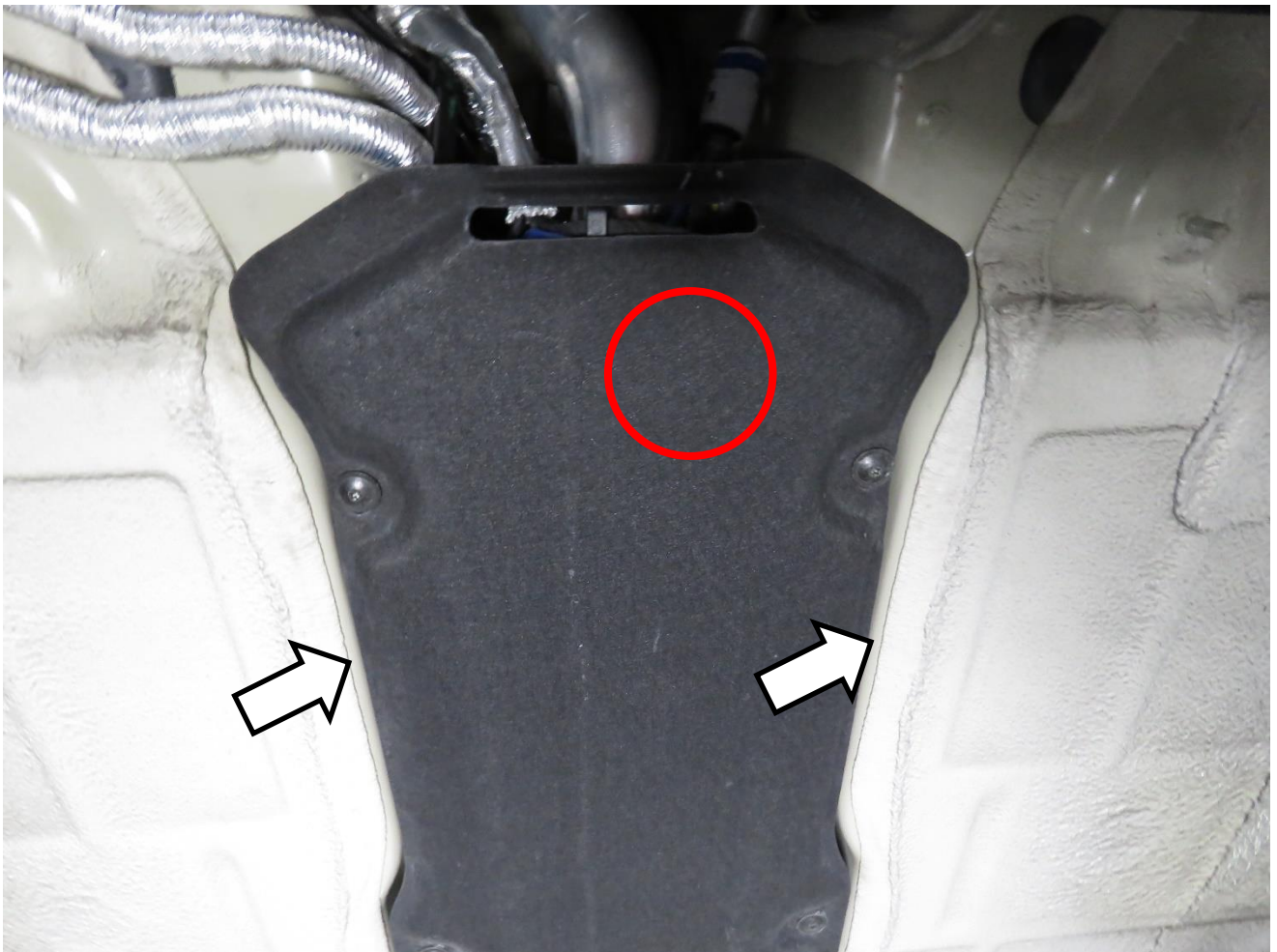


Photo 1

- 4. Loosen clamp of stock muffler, and demount muffler by moving slightly right and left.

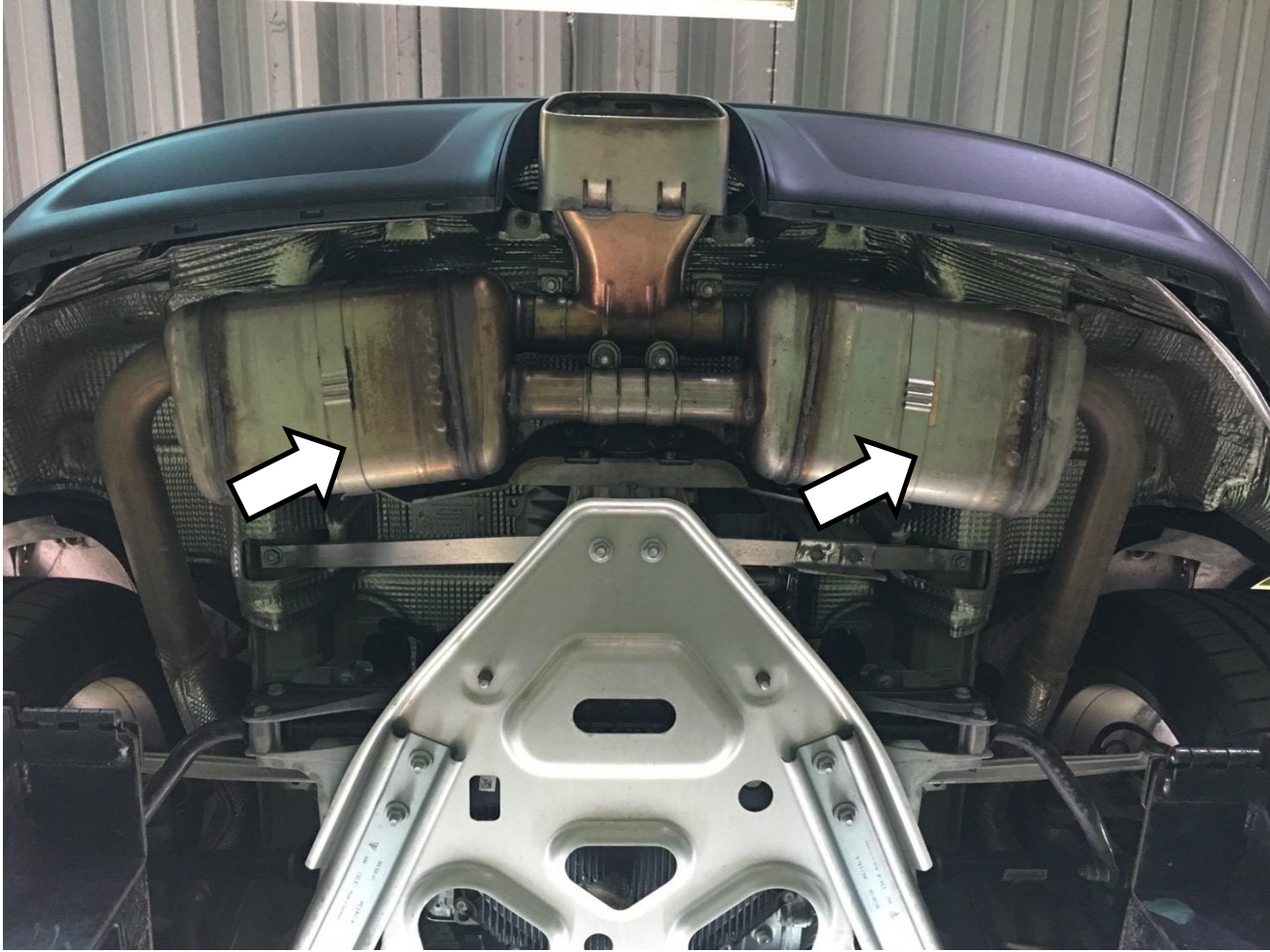


Photo 2



Photo 3



5. Demount front & rear O2 sensors, and muffler hanger.
6. The clamp of red circle doesn't fit iPE pipe, demount this to avoid the noise sound.

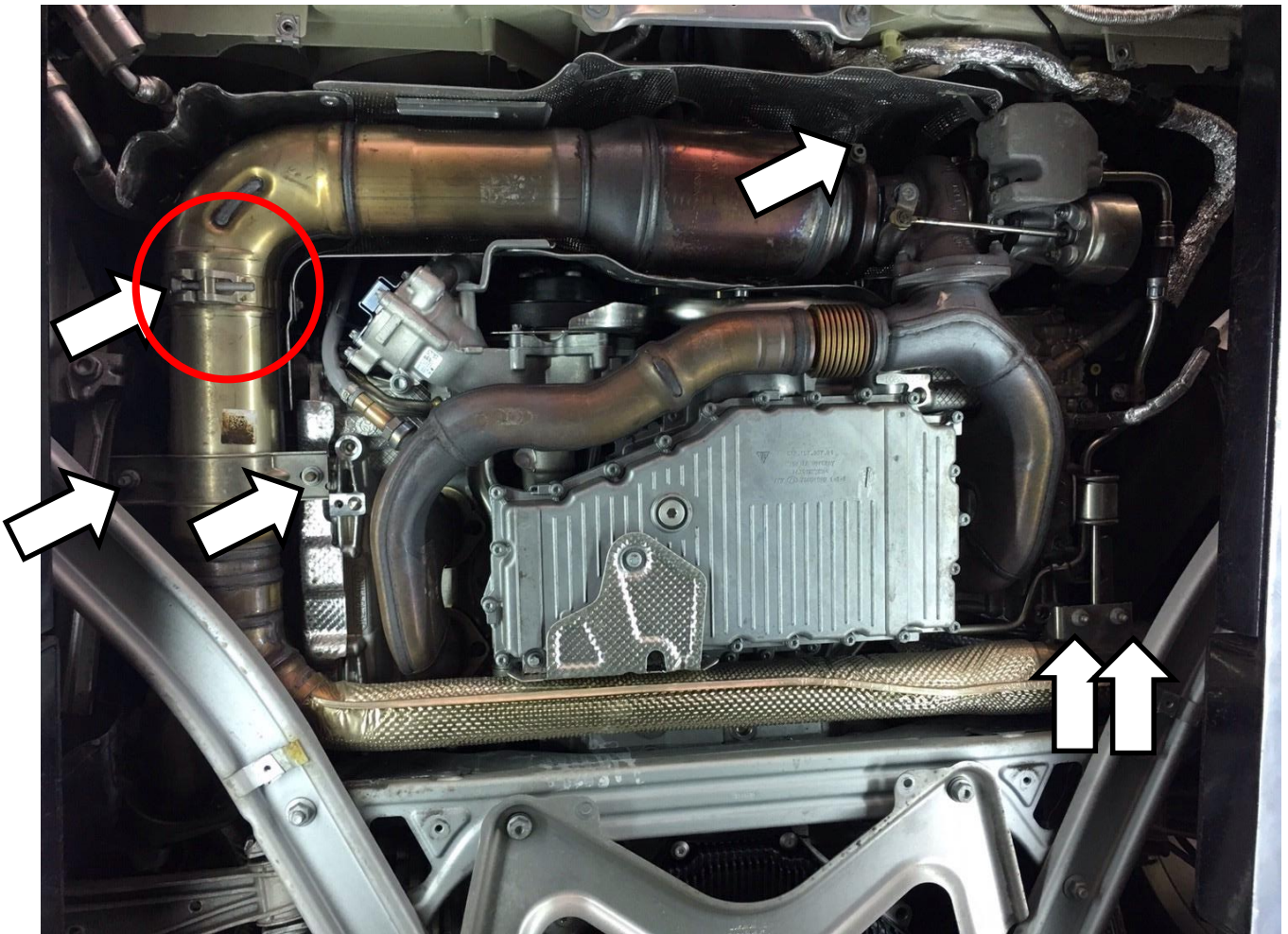


Photo 4

## 4. Install iPE exhaust

1. Install the iPE catpipe. (Photo 5)
  - **Note: With proper torque.**

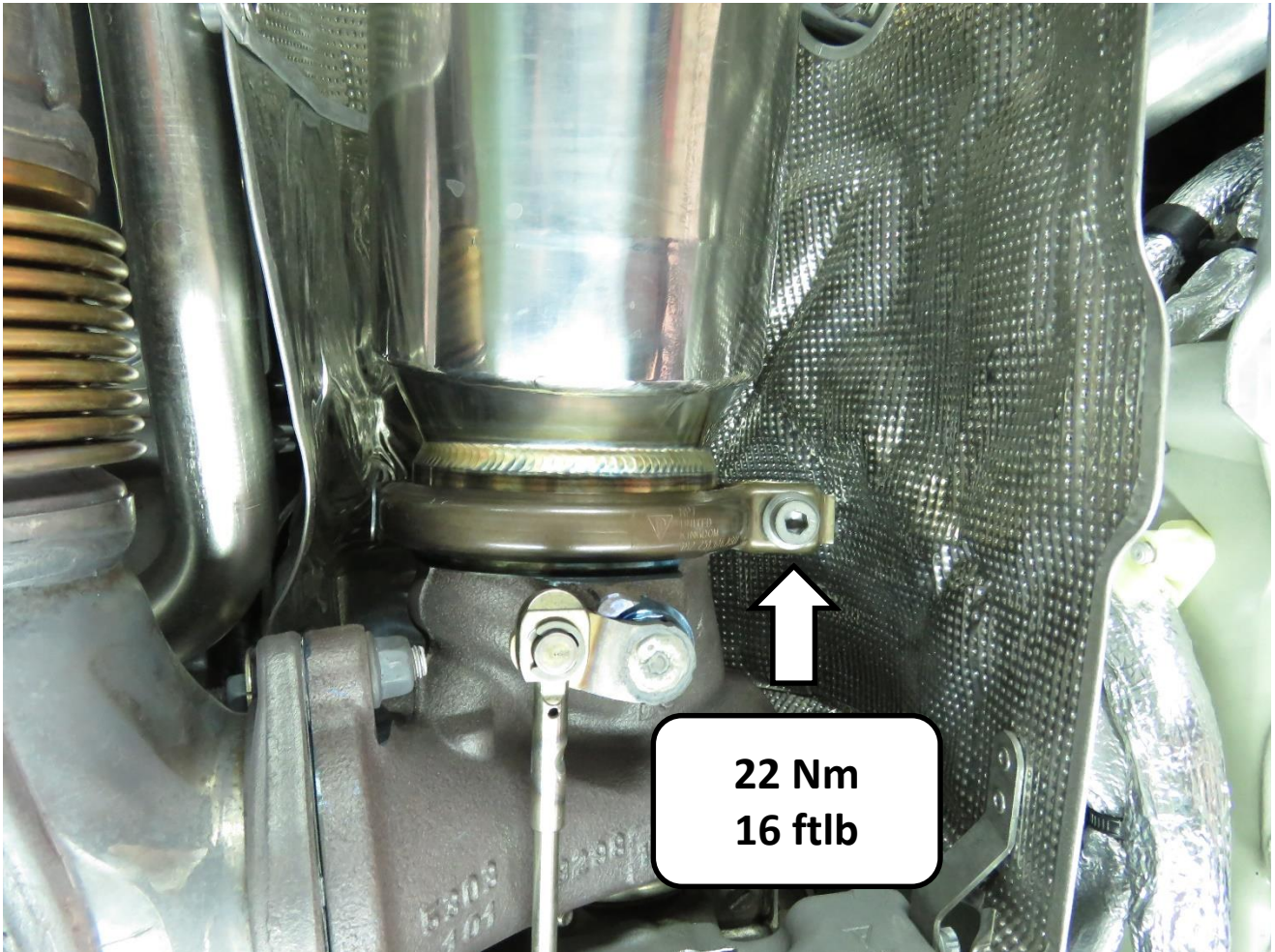


Photo 5

2. Install the sock hanger and locked with iPE catpipe. (Photo 6)

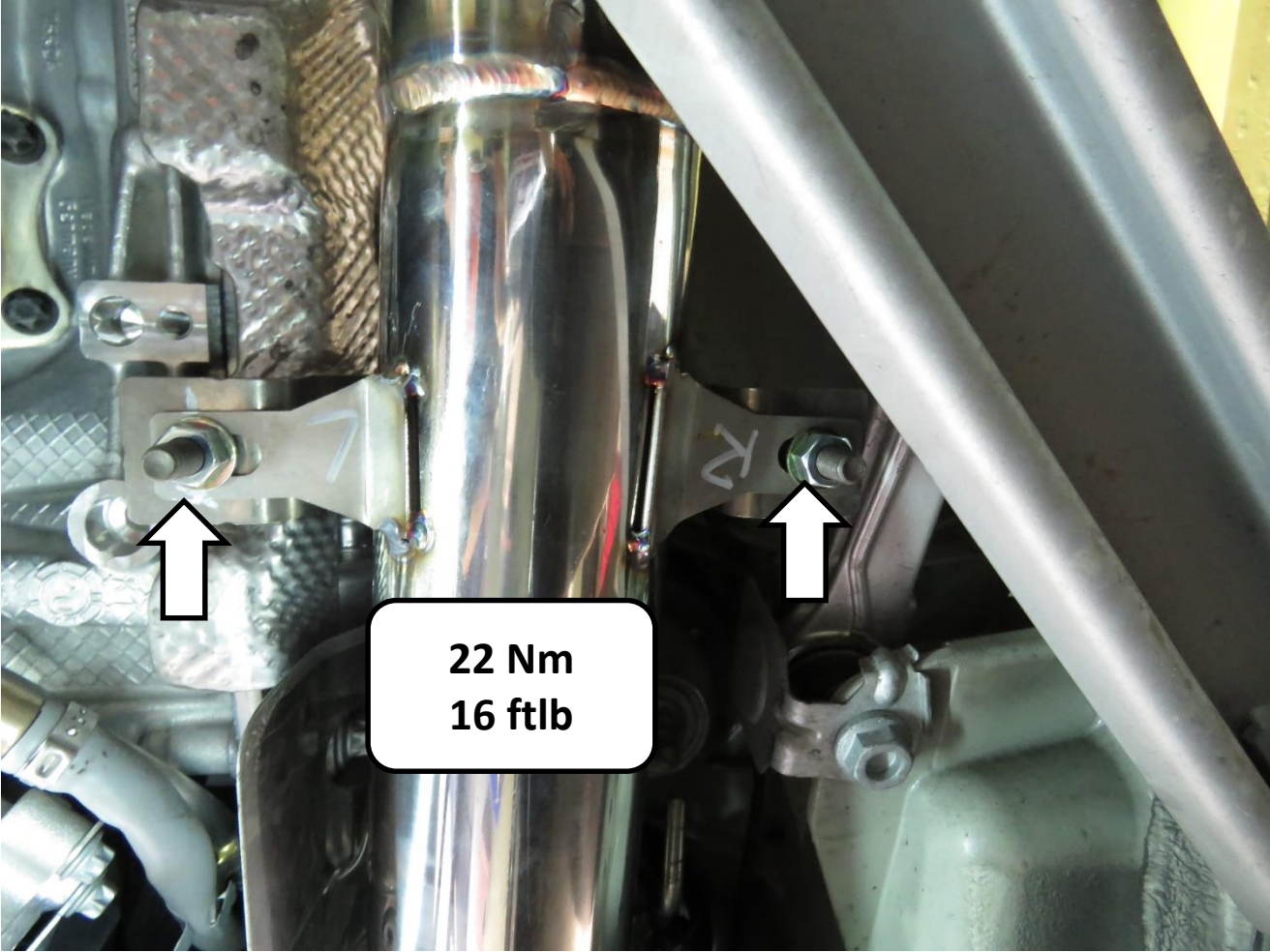


Photo 6

3. Install the hanger of catpipe. (Photo 7)

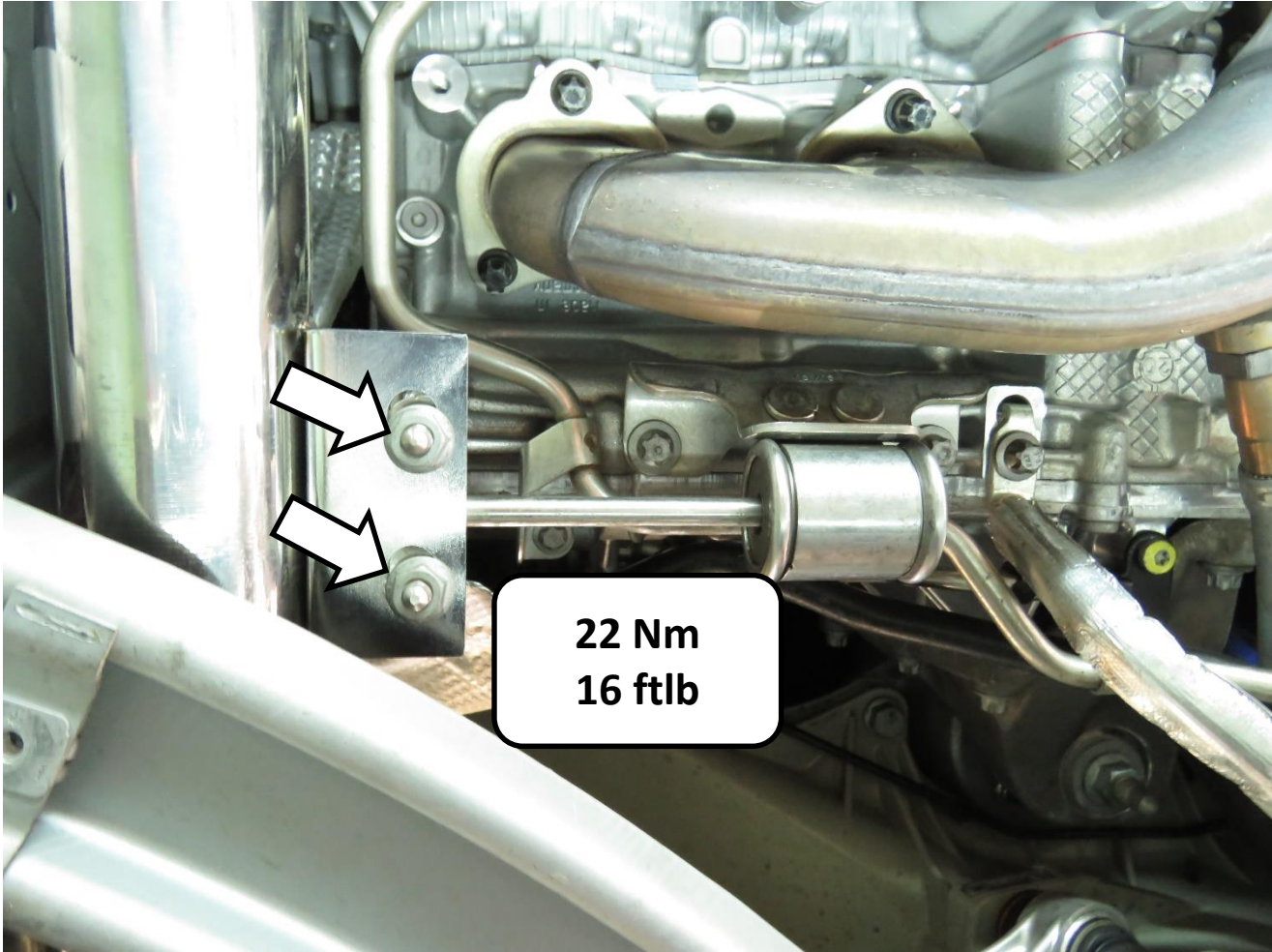


Photo 7

4. Install mufflers and tighten with metal band first. (Photo 8)
5. Don't lock the mufflers intake flange first to avoid the rail tips miss their position in the center.

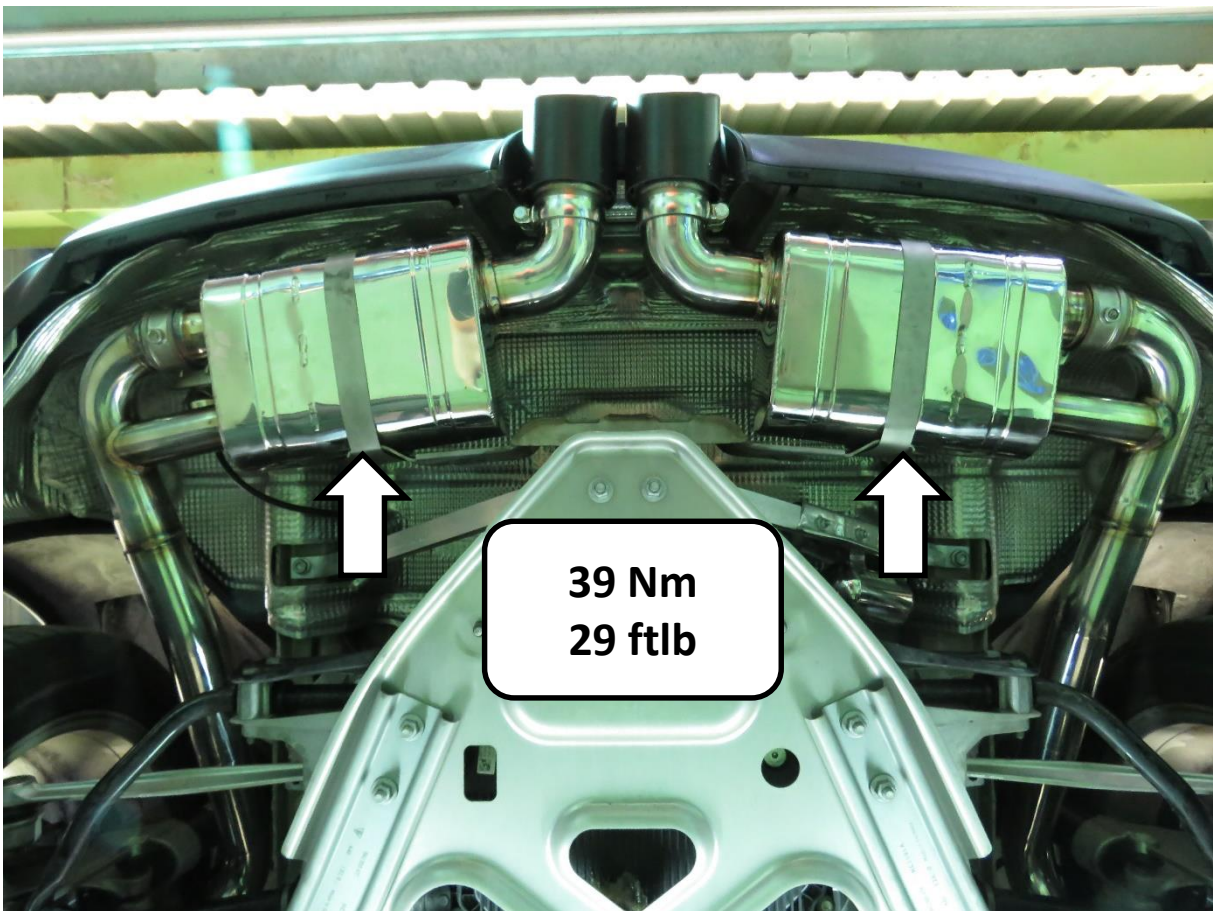


Photo 8

6. Tight the intake flange. (Photo 9)
7. Lastly lock the tips in the right position.

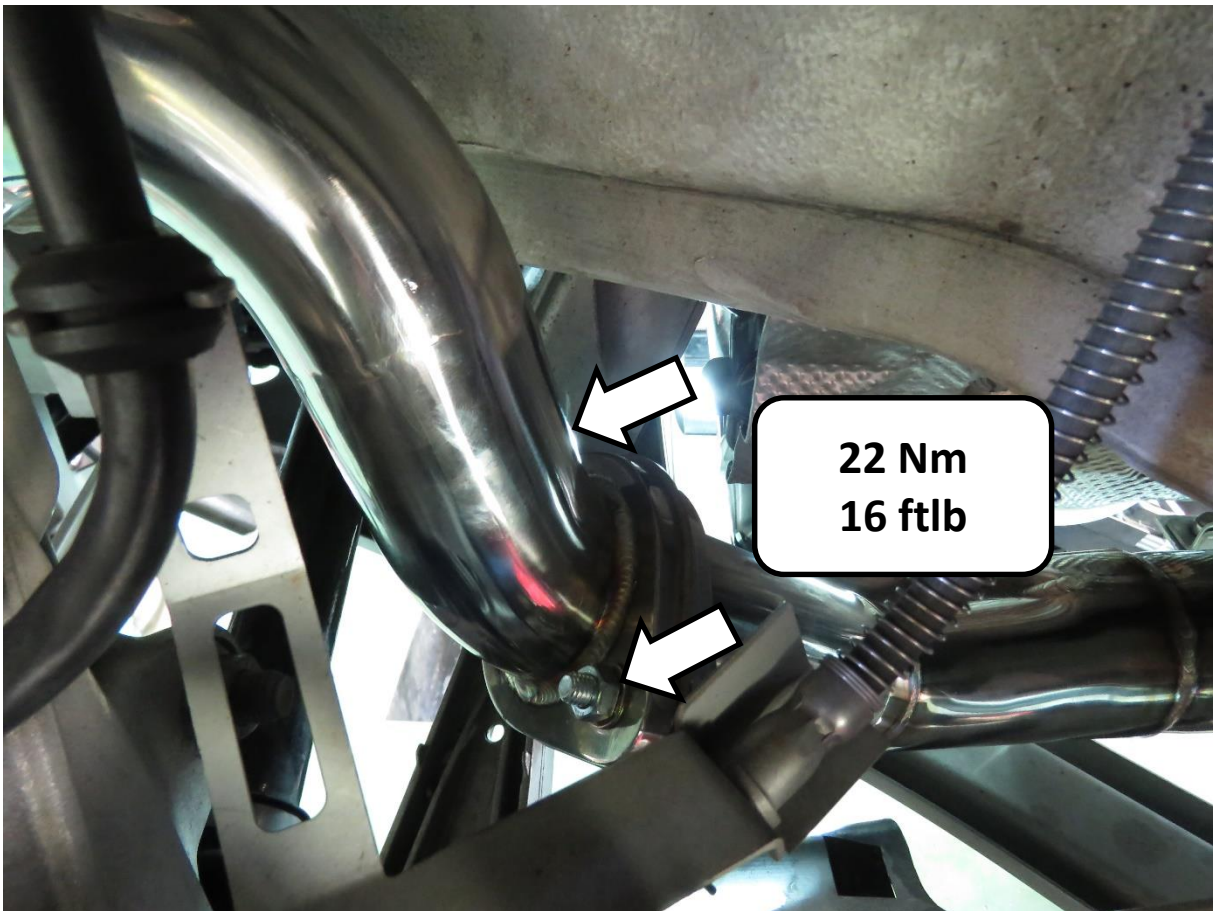


Photo 9

- 8. Connect vacuum electric valve and one way valve. (Photo 10)
- 9. By the driver's seat below the blue-black line of the solenoid valve resulting chart position pulled out to the Vacuum Electric valve.

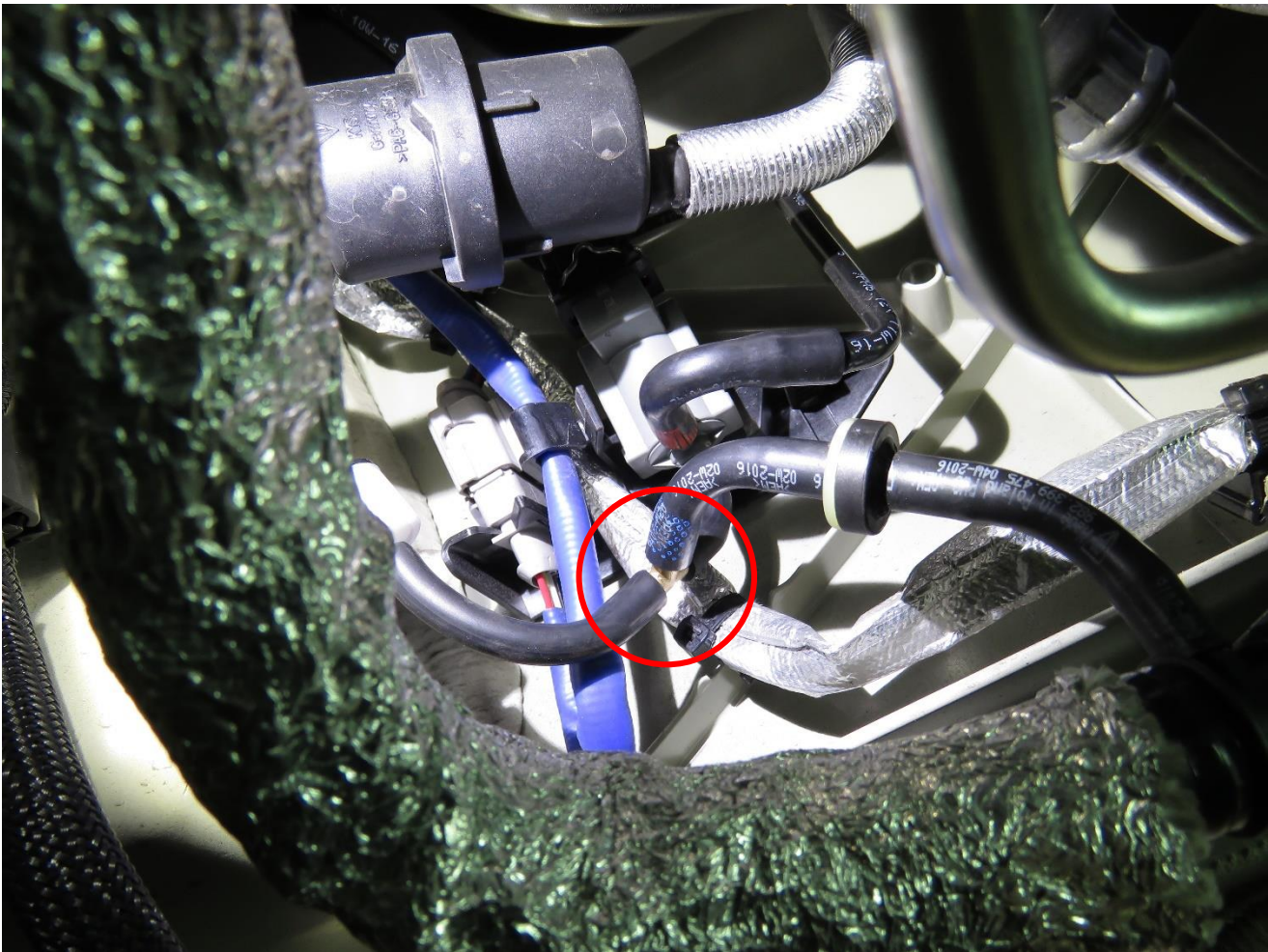


Photo 10

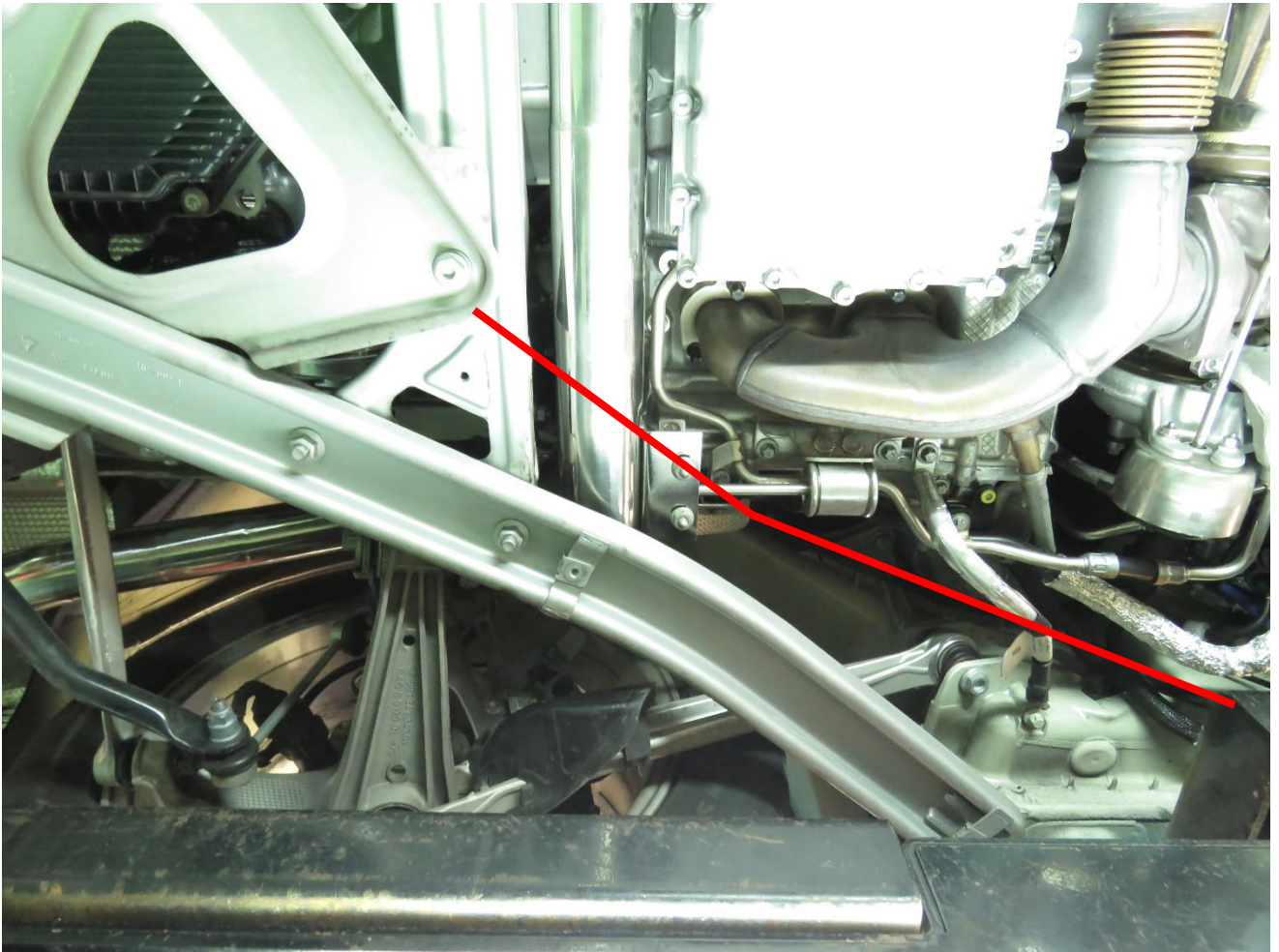


Photo 11



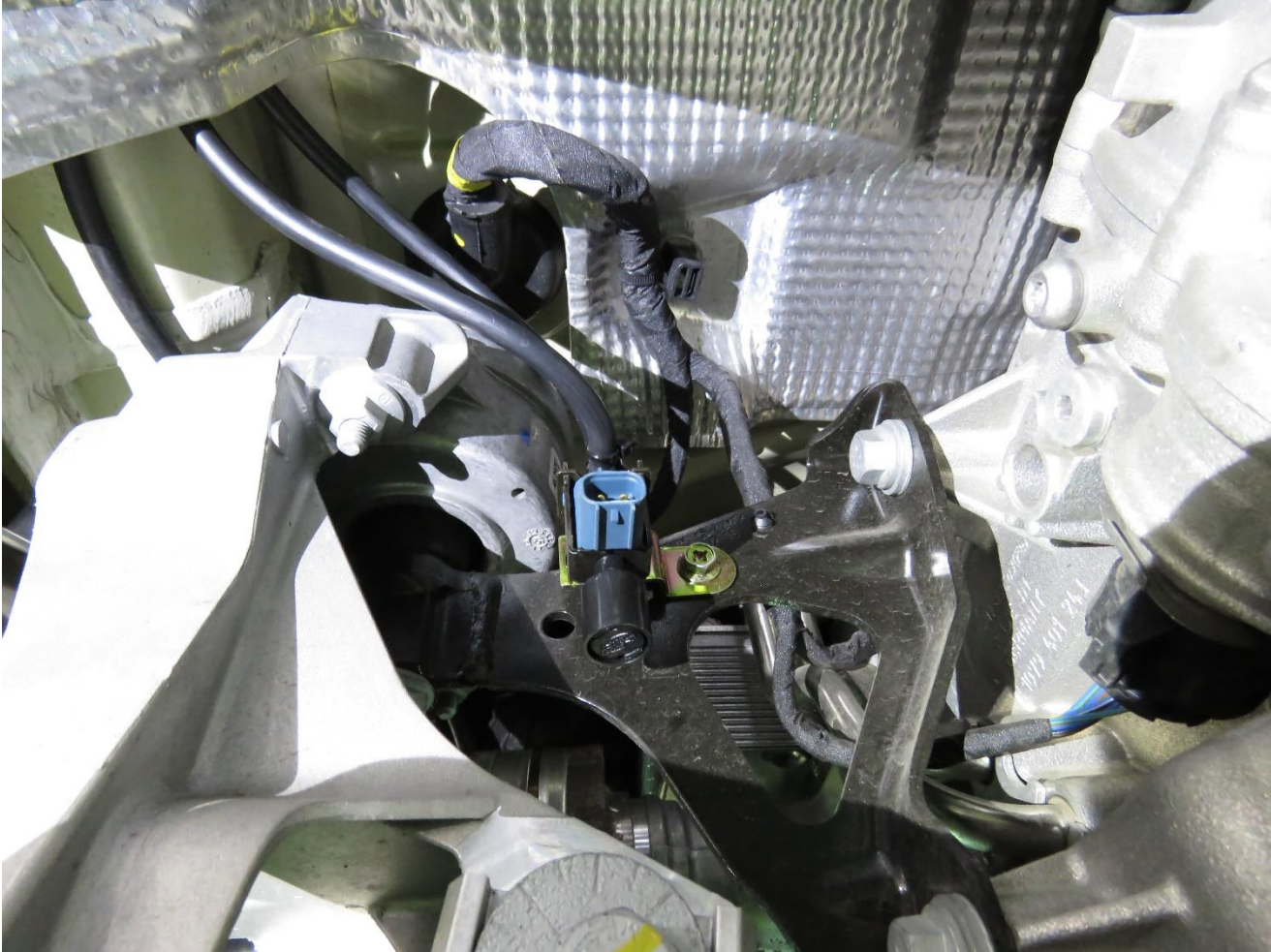


Photo 12

10. Install the Vacuum Canister. (Photo 13)
11. Hide behind the heat protector plate. (Photo 14)

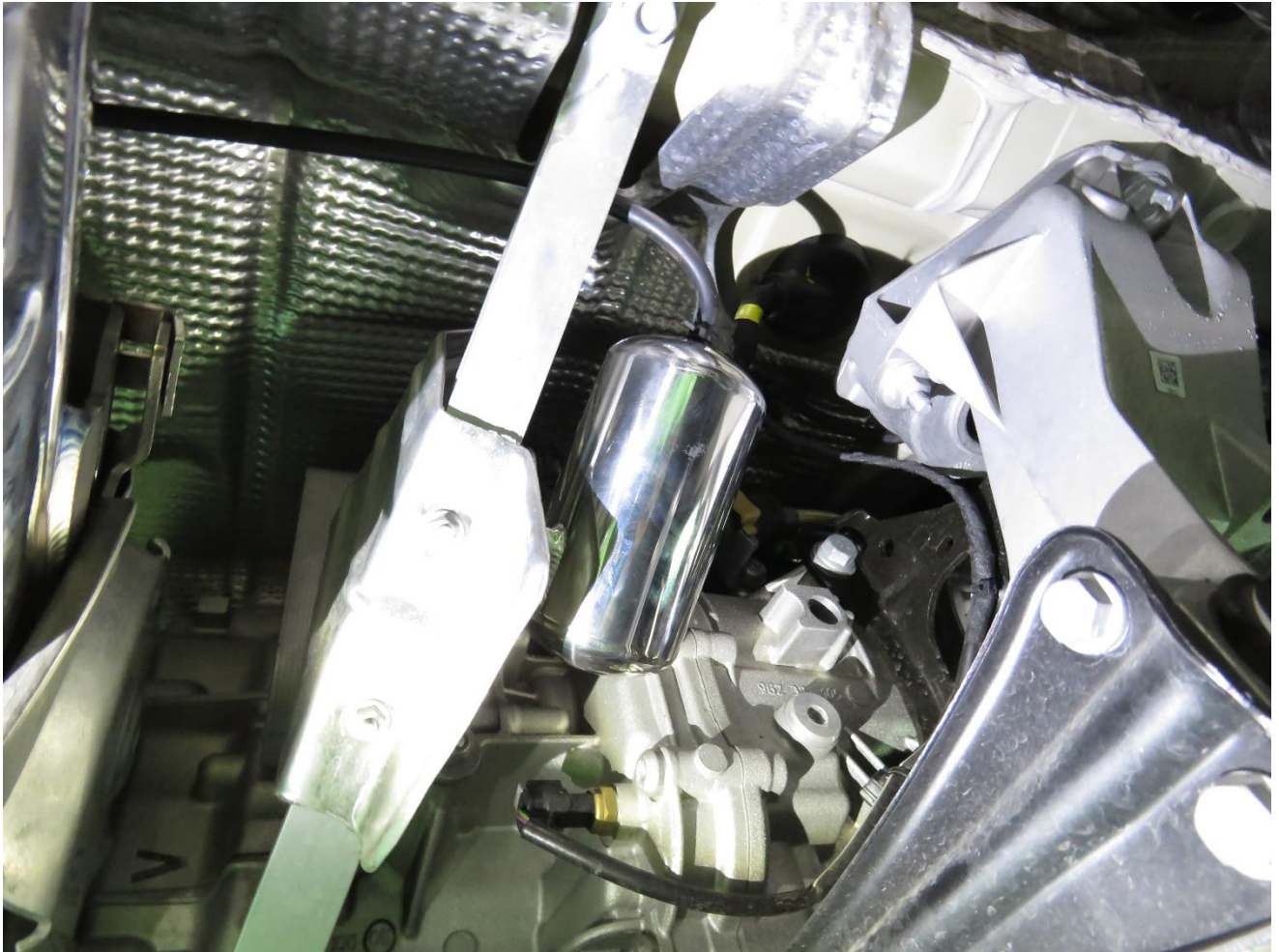


Photo 13

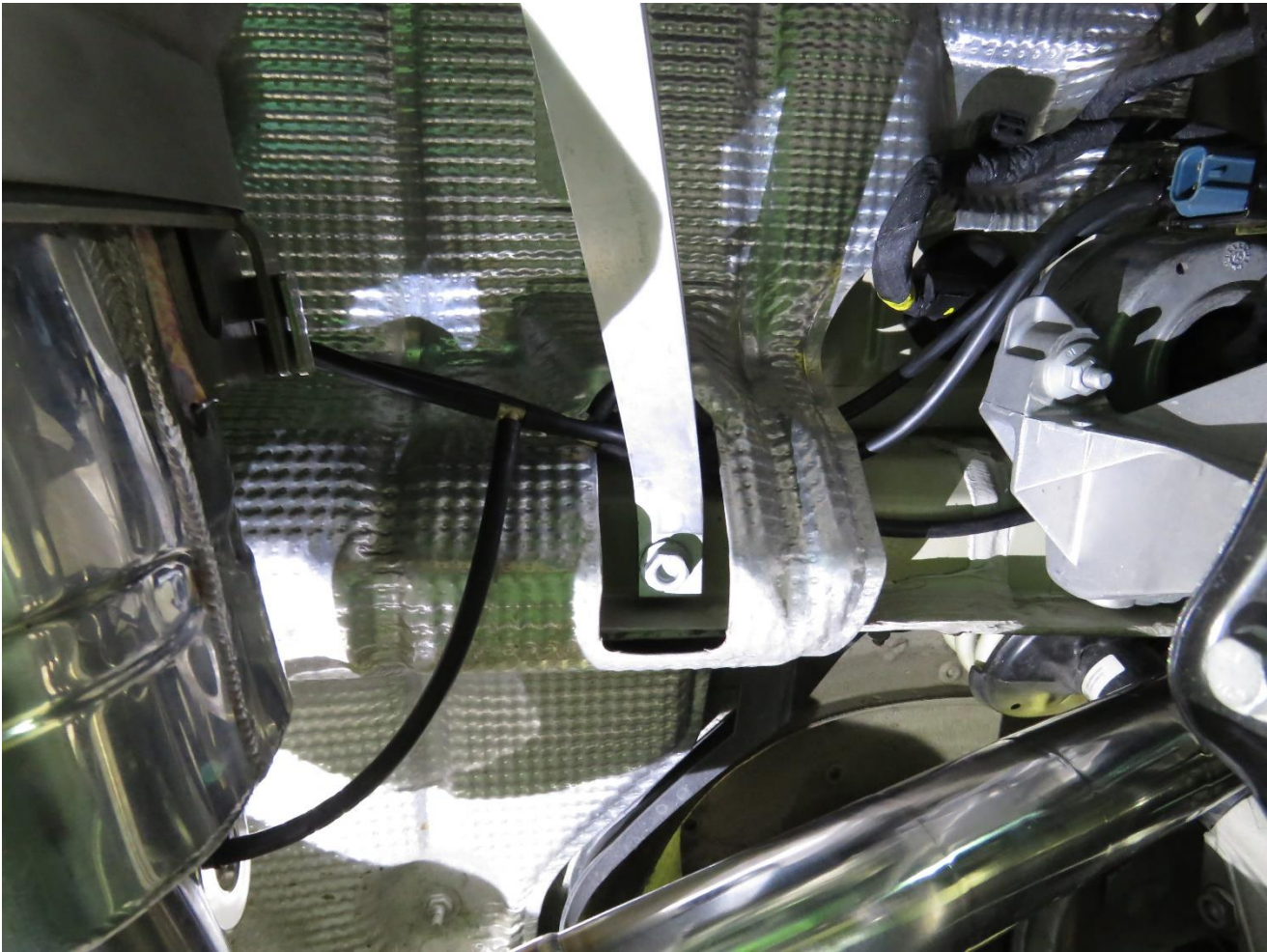


Photo 14

12. SEARCH KEY OIV POWER ⊕ 、 GND ⊖ AND TPS VOLTAGE SIGNAL 0 ~ 5V.(photo15) ◦
  13. If use the OBD system, plug into the OBD socket then it can work.
- Note: The demolition of the vacuum tube fittings, be belted tighten. Car vacuum pressure less will cause fault light.

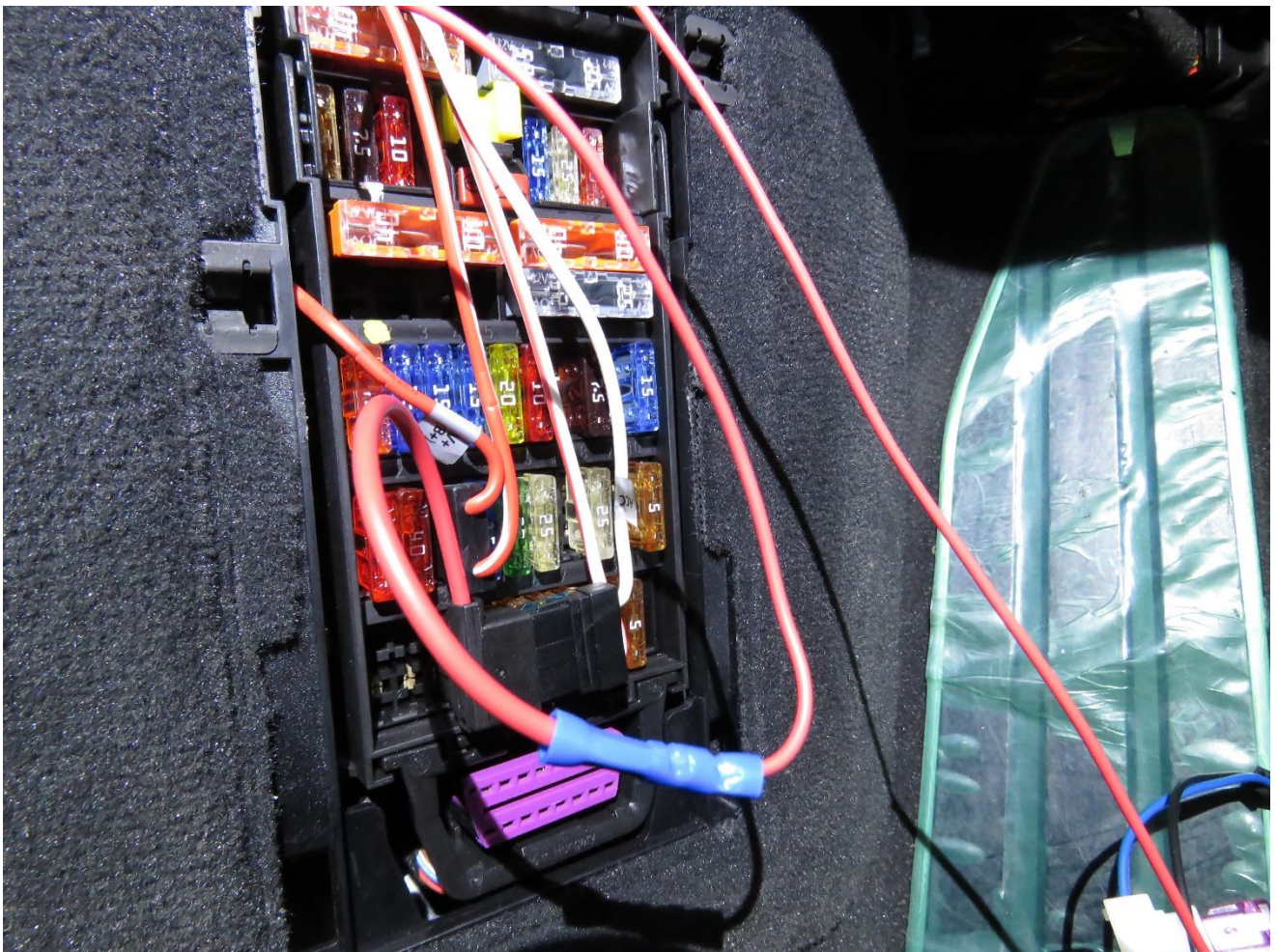


Photo 15



Photo 16