



INSTALLATION INSTRUCTIONS

IPE EXHAUST SYSTEM
FOR

PORSCHE 971
PANAMERA 4S

WWW.IPE-F1.COM









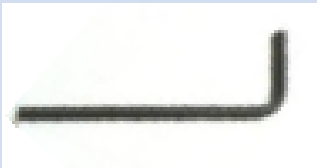


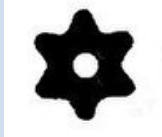


AGENDA

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IMPORTANT NOTICE

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 very hot, 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. 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 this type of vehicle.
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.

TOOLS REQUIRED FOR OPERATING PROCEDURES

TOOLS NAMES	TOOLS PICTURES			
Rust Preventive spray				
Hex socket set 13mm 、 16mm				
Hex Wrench 13mm				
Torque wrench 13mm 、 Hexagon wrench 6mm				
Hexagon wrench 6mm				
Ratchet wrench 10mm 、 13mm				
Star socket set E12				

ASSEMBLY OF PRODUCT APPEARANCE



DEMOUNTING STOCK EXHAUST SYSTEM

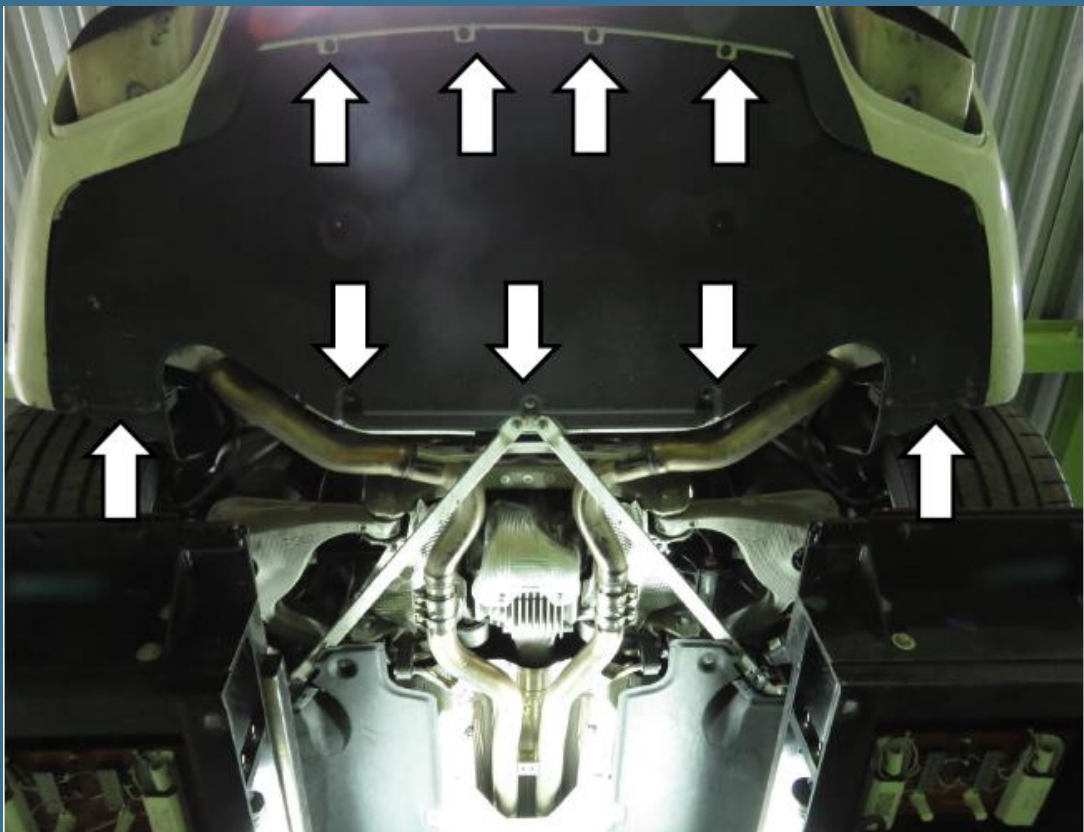
Park the car to the car lift machine and raise it to the proper position.

⚠️**WARNING:** Please park the vehicle and really lift the car. When jacking up, empty the area and pay attention to the height to ensure the safety of people and cars!

After the screws are removed, they are placed neatly to avoid confusion during recovery.

If necessary, use a lubricant before disassembling.

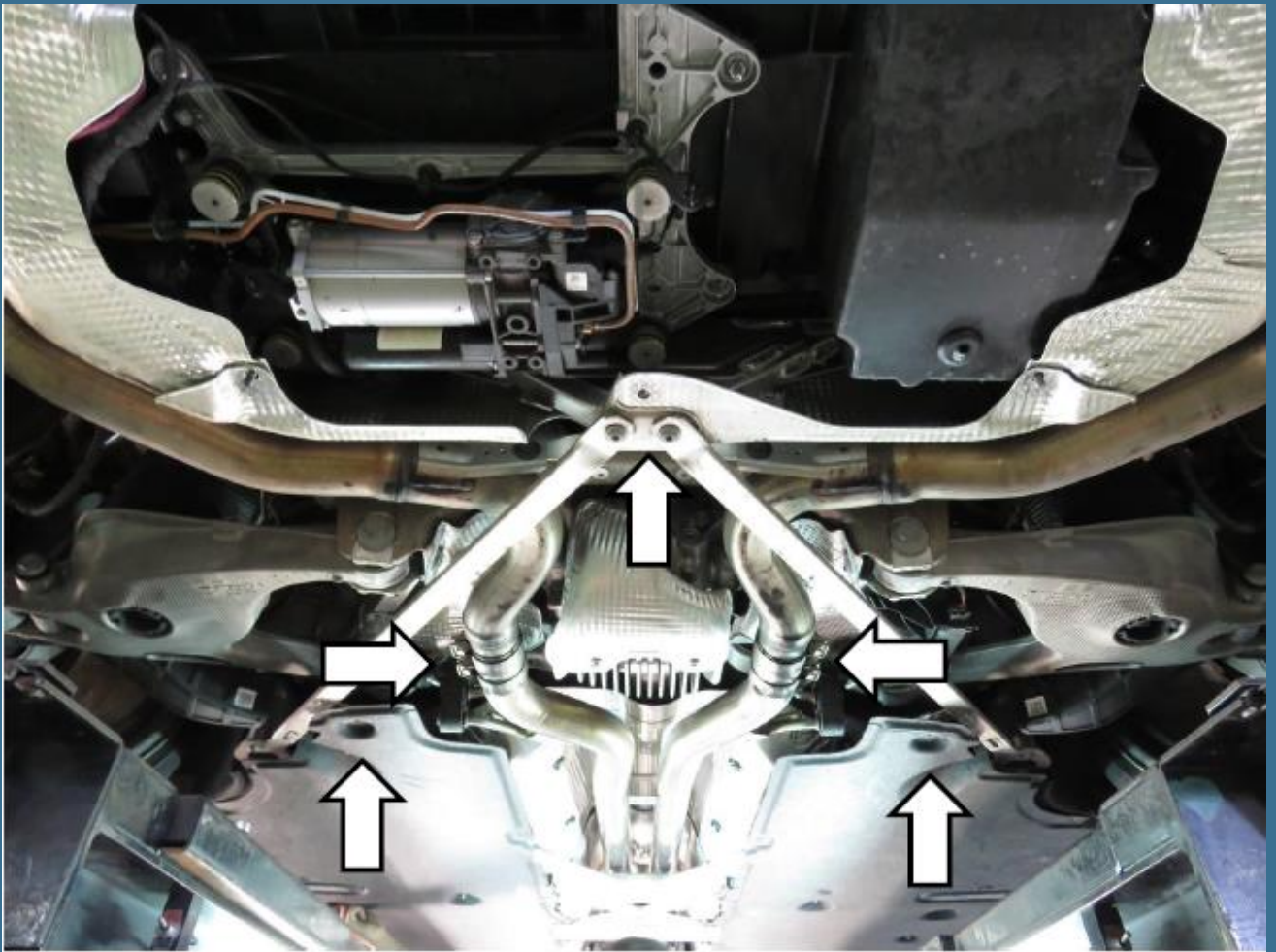
1. Unscrew the screw of the undercarriage cover and remove the cover (Picture1)



Picture1

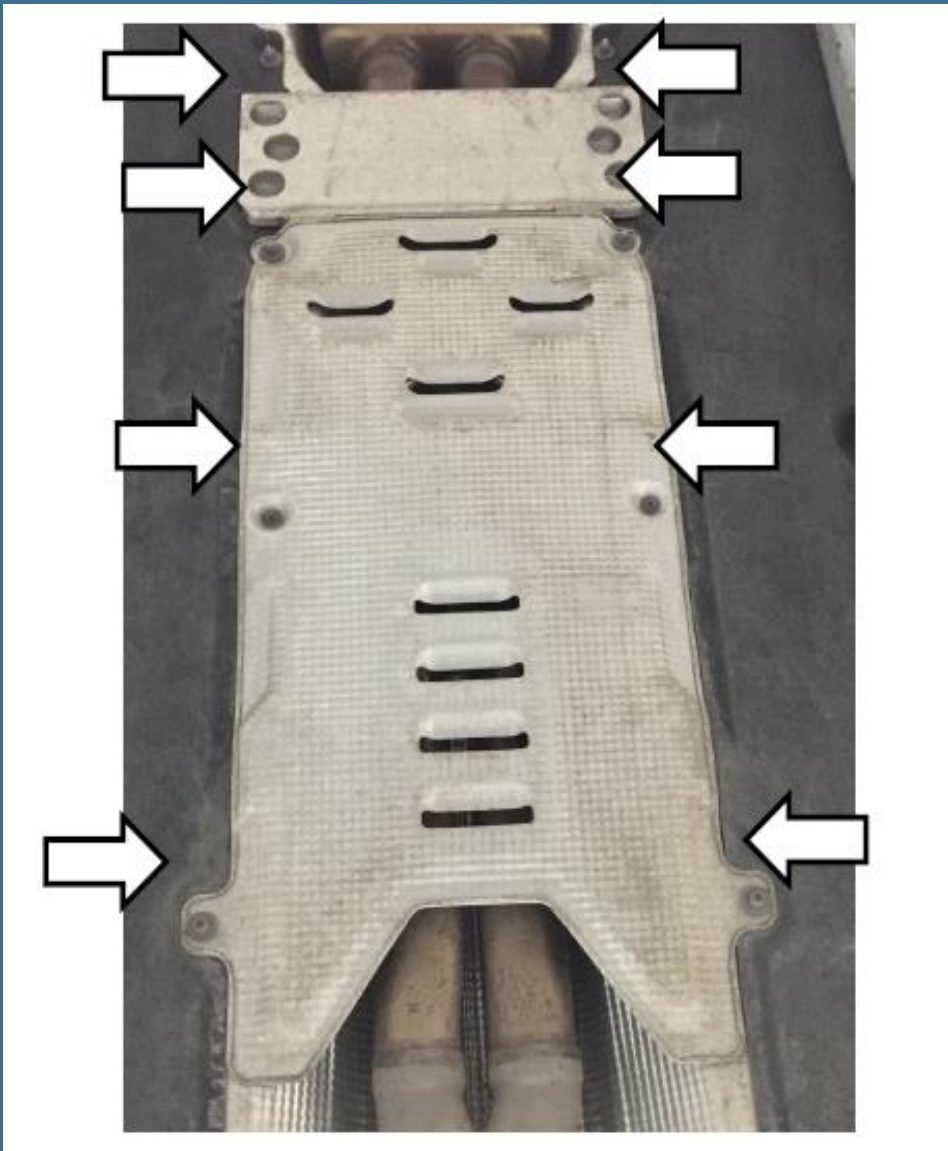
2. Unscrew the attachment ring between the middle section and the tail pipe and then remove the screw of the chassis bracket (Picture 2).

⚠️**WARNING:** After the screws are removed, they are placed neatly to avoid confusion during recovery.



Picture 2

3. Remove the cover of the aluminum chassis and then remove the bracket assembly of the chassis. (Picture 3).



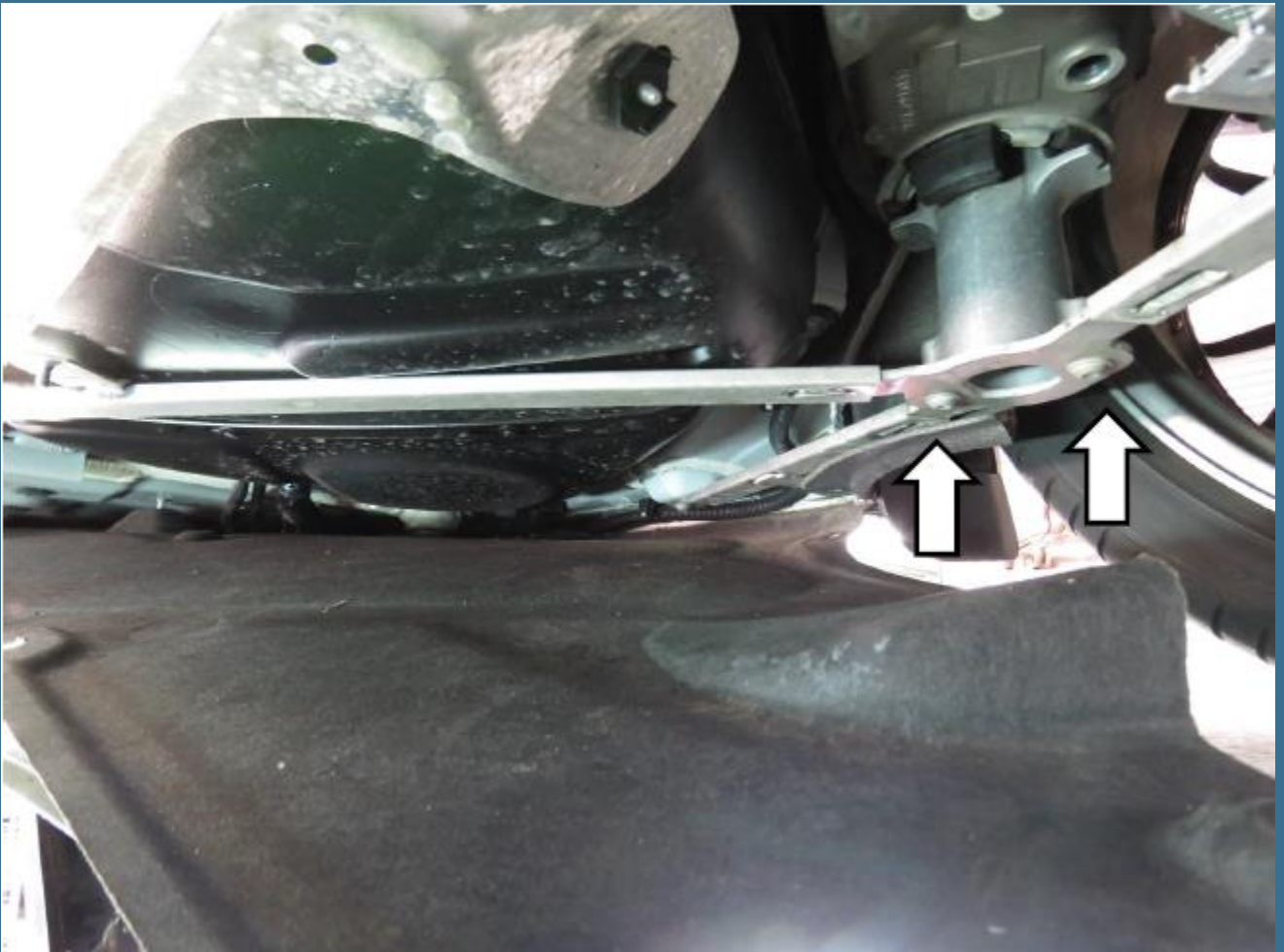
Picture 3

4. Remove the cover of the heat dissipation guide of the brake system, the same on the left and right sides (Picture 4)



Picture 4

5. Remove the fixing screws of the chassis bracket, the same on the left and right sides (Picture 5)



Picture 5

6. After removing the rear bumper, the screws of the bumper are removed, and the rest are fixed by the clamp. Before the force is applied, ensure that the screw has been completely removed (Pic 6, 7, 8).



Picture 6



Picture 7



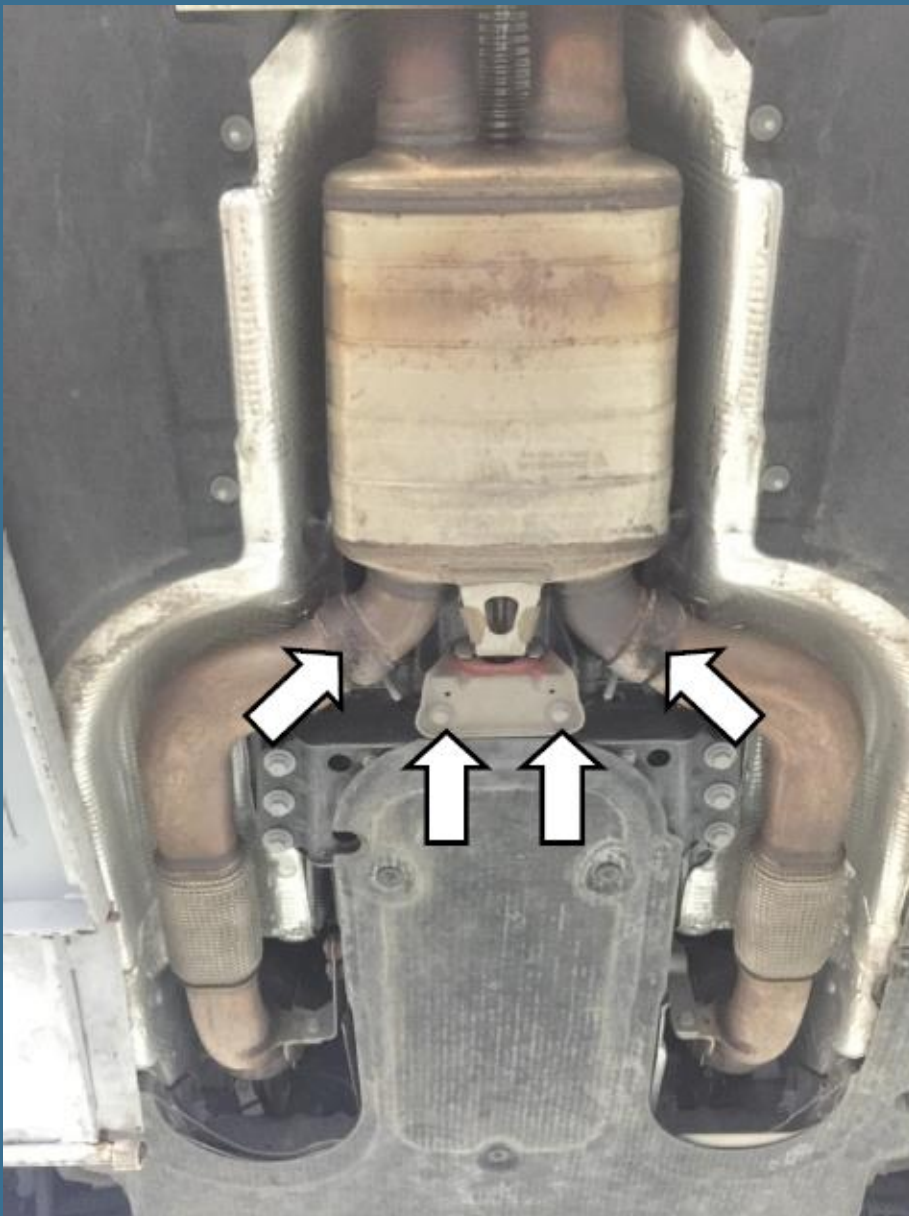
Picture 8

7. Remove the valve motor plug, remove the lifting lug to remove the tail pipe, the left and right sides are the same (Picture 9)



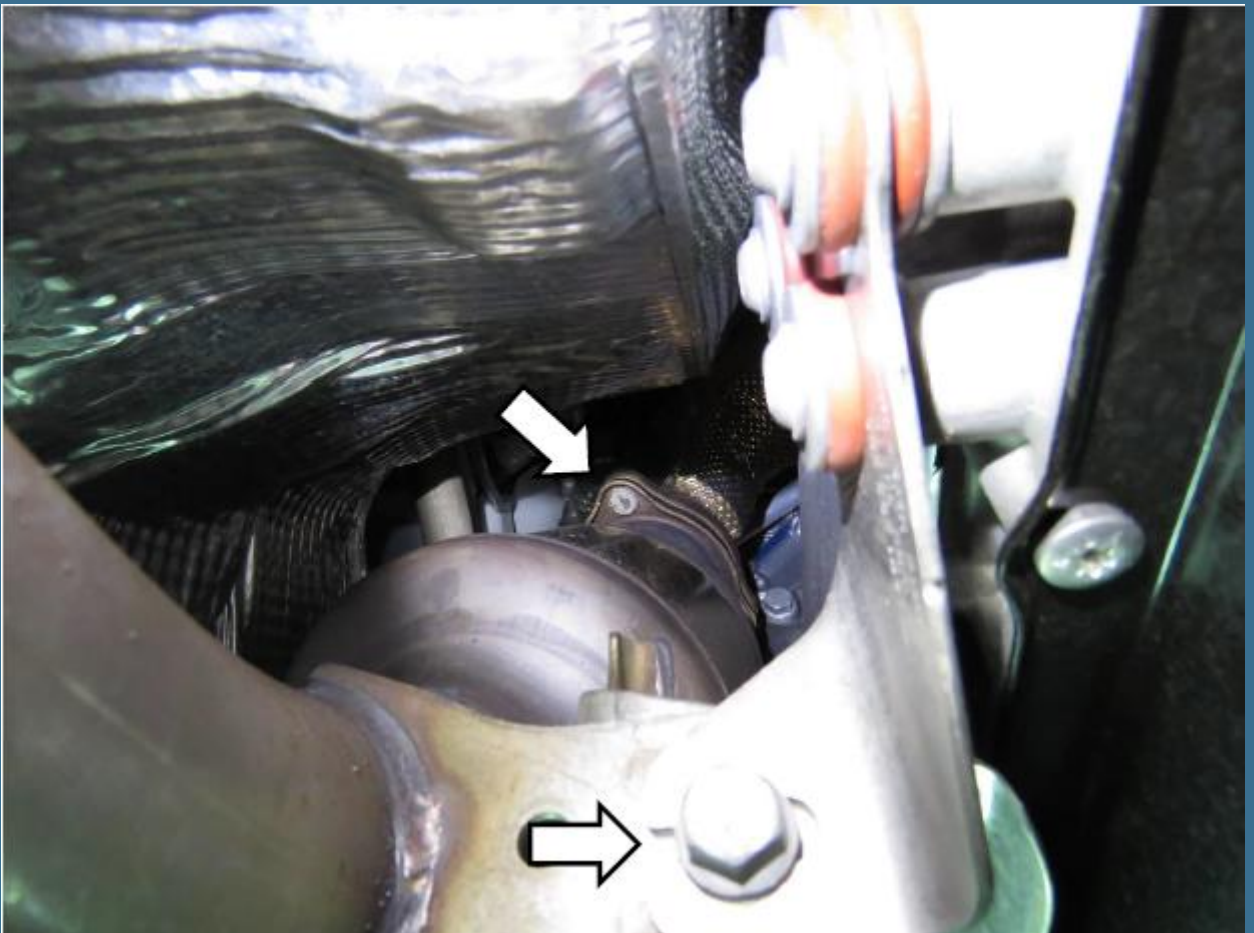
Picture 9

8. Remove the attachment ring of the Mid-pipe and the rear lifter of the middle section to remove the middle tail section (Picture 10)



Picture 10

9. Remove the fixing screws of the left and right front tubes and remove the left and right front tubes.
(Picture 11)

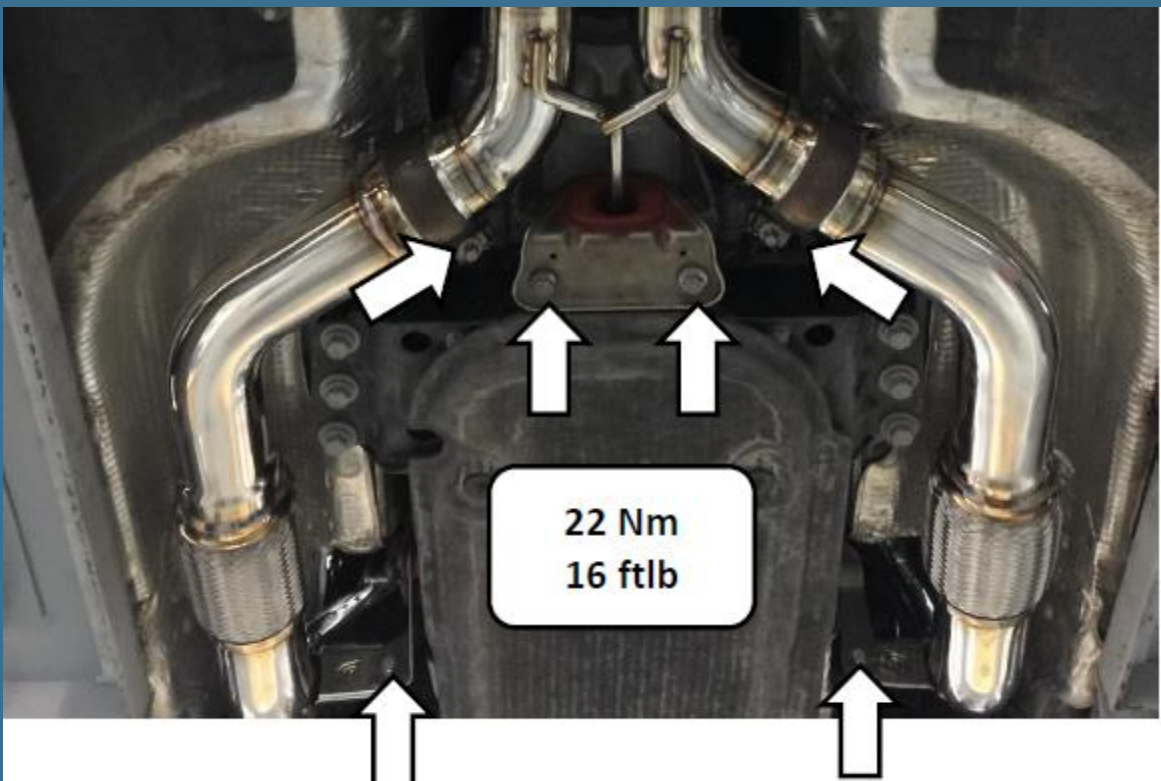


Picture 11

INSTALLING IPE EXHAUST

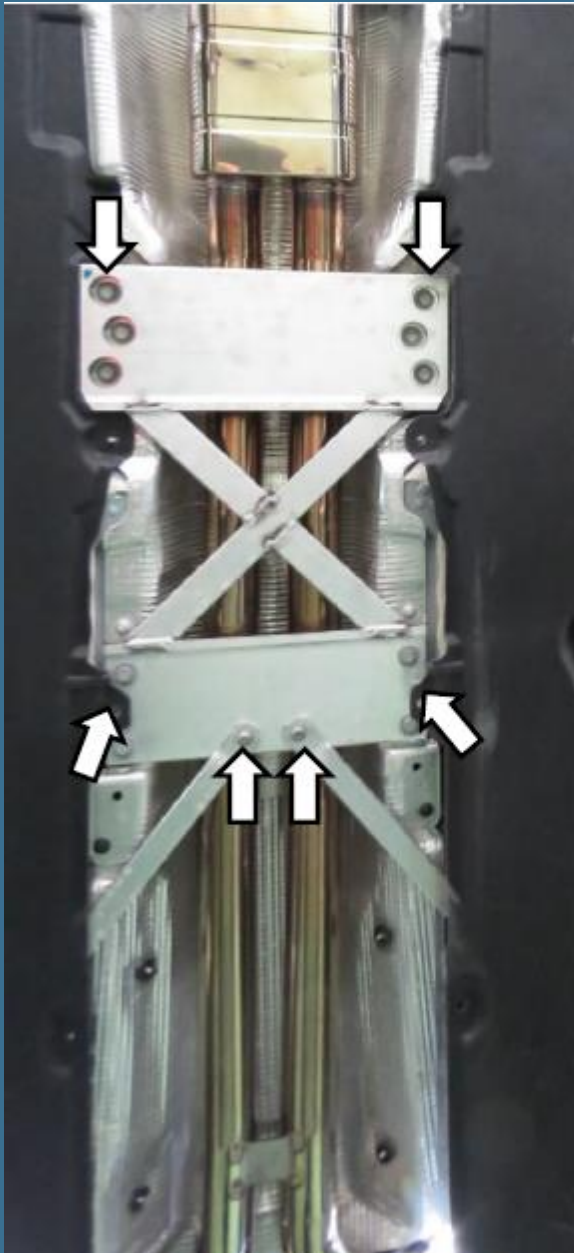
1. Position the front and middle sections (Picture 12)

⚠WARNING : the appropriate torque on the screw lock.



Picture 12

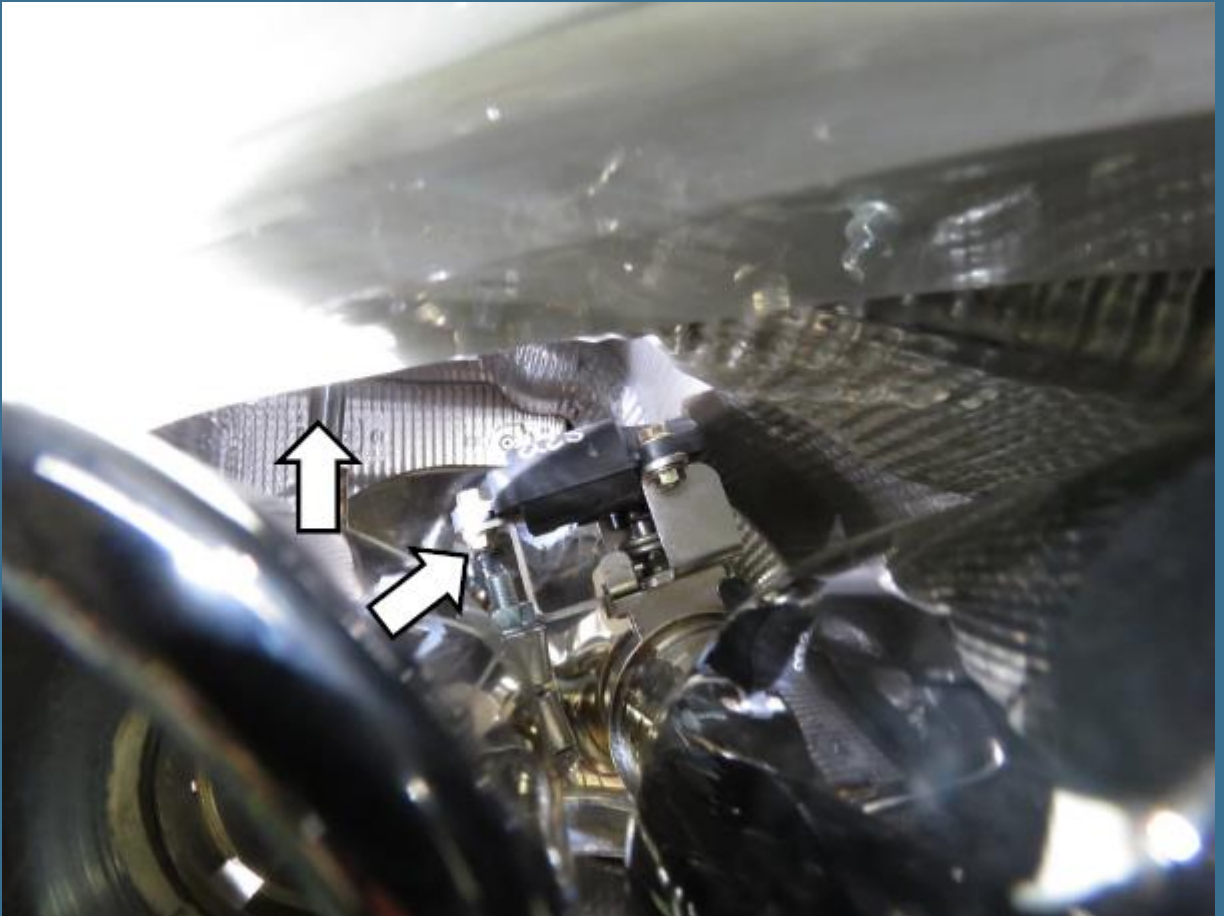
2. Install the chassis lower bracket. (Picture 13)



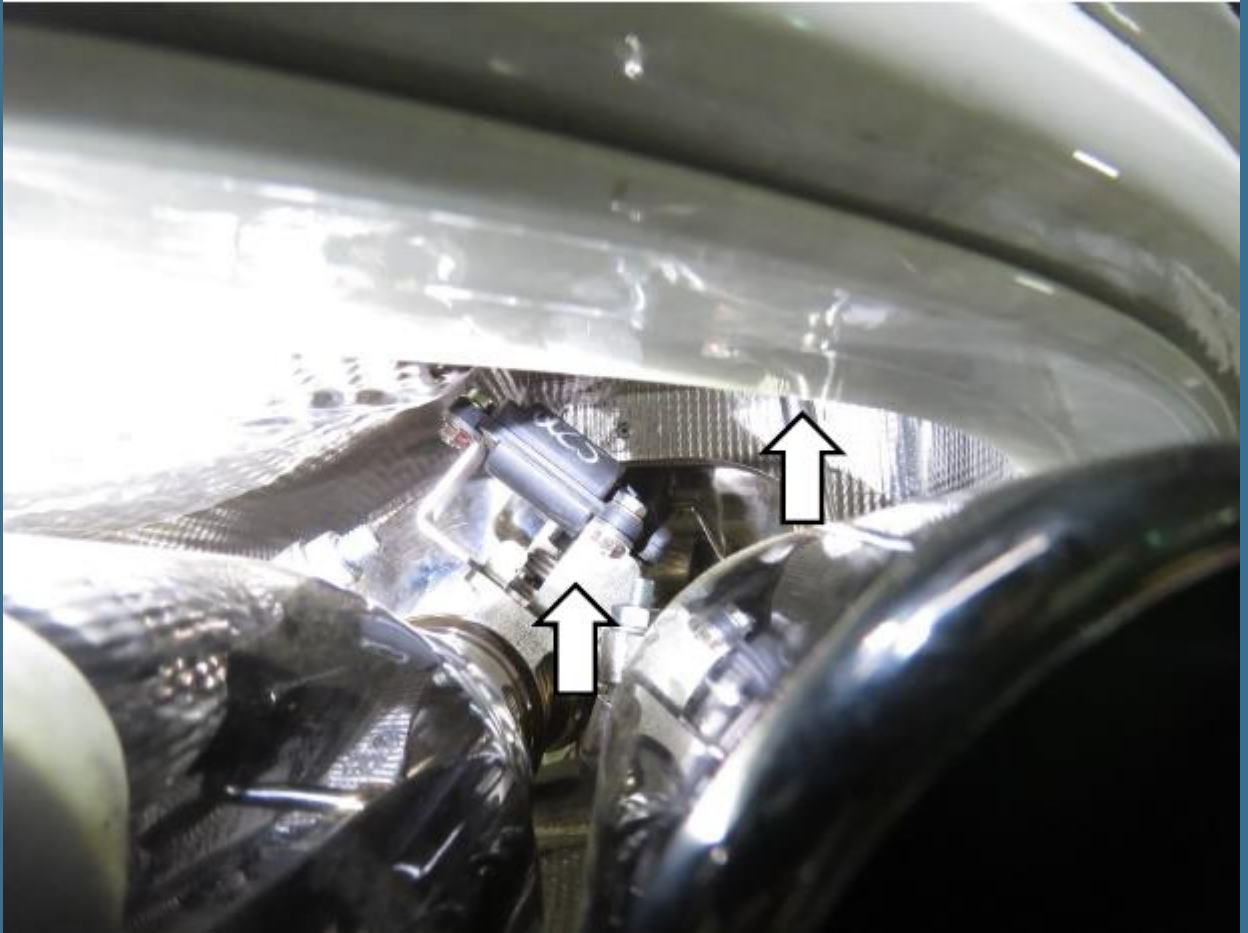
22 Nm
16 ftlb

Picture 13

3. Position the lifting lugs of the muffler, insert the electronic motor plug, and install the extension cord inside the heat shield to prevent interference. (Pic. 14 & Pic. 15)



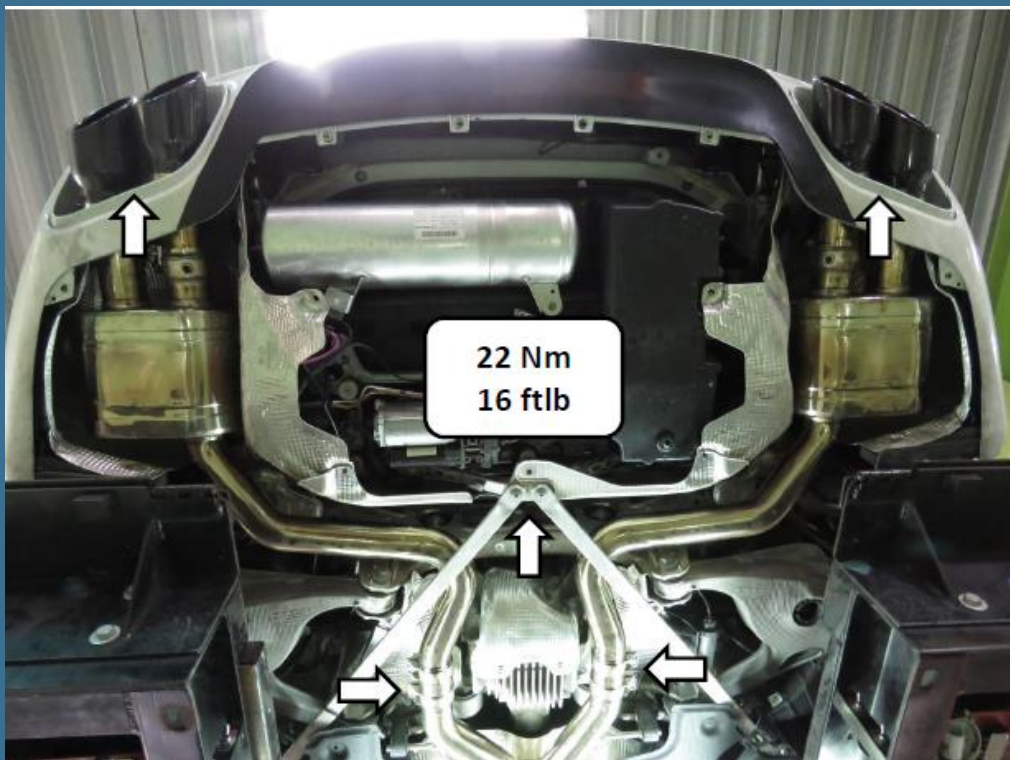
Picture14



Picture 15

4. Install the tips and the chassis bracket of the tail section, and the two tips of the tail section must be locked in a horizontal state to avoid the tube body being too low, resulting in abnormal sound by tapping the bracket (Picture 16).

5. Install all removed parts and restore and lock the appropriate torque according to the correct installation procedure.



Picture 16

6. There is a fuse box at the bottom right A-pillar of the passenger seat. Add the fuse to the red frame at the bottom of the figure and connect it to the driving side (Picture 17).

⌘WARNING: When wiring, be careful not to short circuit to avoid circuit damage.



Picture 17

7. It is recommended that the wiring be arranged from the left front inner mud board and the plastic plug is placed inside the vehicle from the brake booster (Pic. 18, Pic. 19).

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



Picture 18



Picture 19