



Installation Instruction

Ferrari Purosangue

Important Information

1. Read the manual thoroughly before installing the iPE exhaust system.
2. The installation must be carried out by a technician familiar with automotive exhaust systems or iPE exhaust systems.
3. This manual provides detailed installation instructions to ensure proper setup and usage. The company is not responsible for any damage or injury caused by improper use or disassembly.
4. Follow the torque values specified in the manual to avoid damage to screws and nuts.
5. If the car's exhaust system is still hot after driving, wear heat-resistant gloves or wait for the system to cool down before proceeding.
6. Before starting the car, clean any oil residue on the exhaust pipes to prevent burning.
7. The iPE exhaust system is designed based on factory engine specifications. Modifications, such as ECU upgrades, may result in resonance or other noise issues. iPE can provide a revised exhaust system for such cases.
8. For questions regarding installation or use of iPE exhaust systems, contact your local iPE partner or email: info@ipe-f1.com.

Product Overview



OEM Exhaust Removal Steps

Move the vehicle onto the lift and raise it to a suitable height.

Caution:

- Ensure the vehicle is securely parked and correctly lifted.
- When raising the vehicle, ensure sufficient clearance around the work area for safety.
- Keep screws neatly organized during removal to prevent confusion during reassembly.
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- Use lubricating oil as necessary to facilitate screw removal.

1.Remove the following parts as shown in Figure :

- Rear lower panel (1)
- Rear left lower plastic panel (2)
- Rear right lower plastic panel (3)

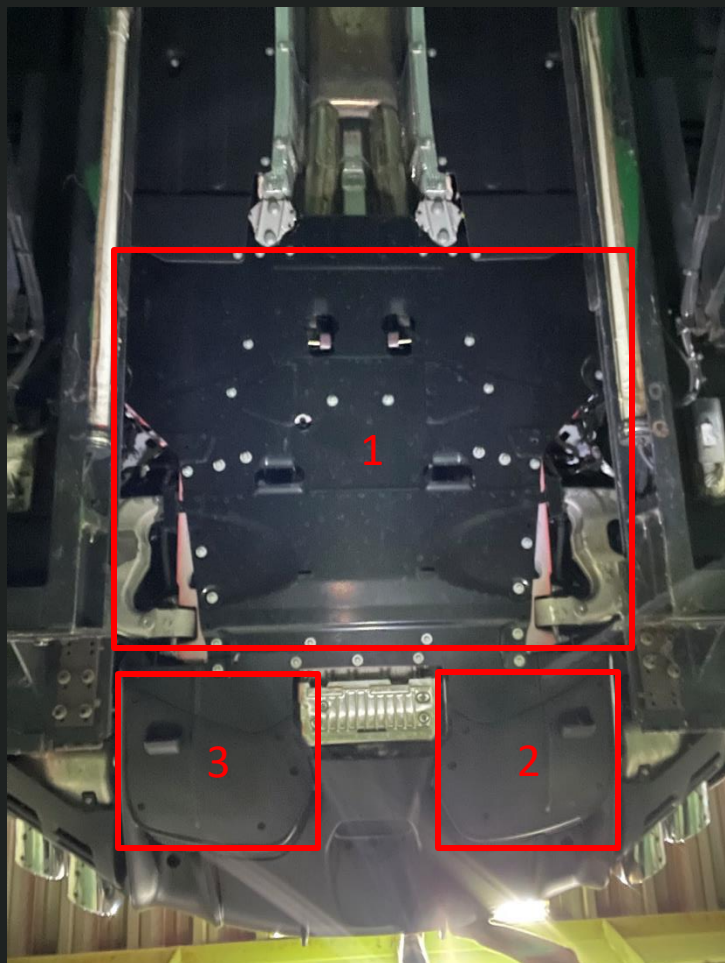


Figure 1

2. Remove the Front Lower Panel (Figure 2)

Caution:

- After removing the screws, organize them properly to avoid confusion during reassembly.

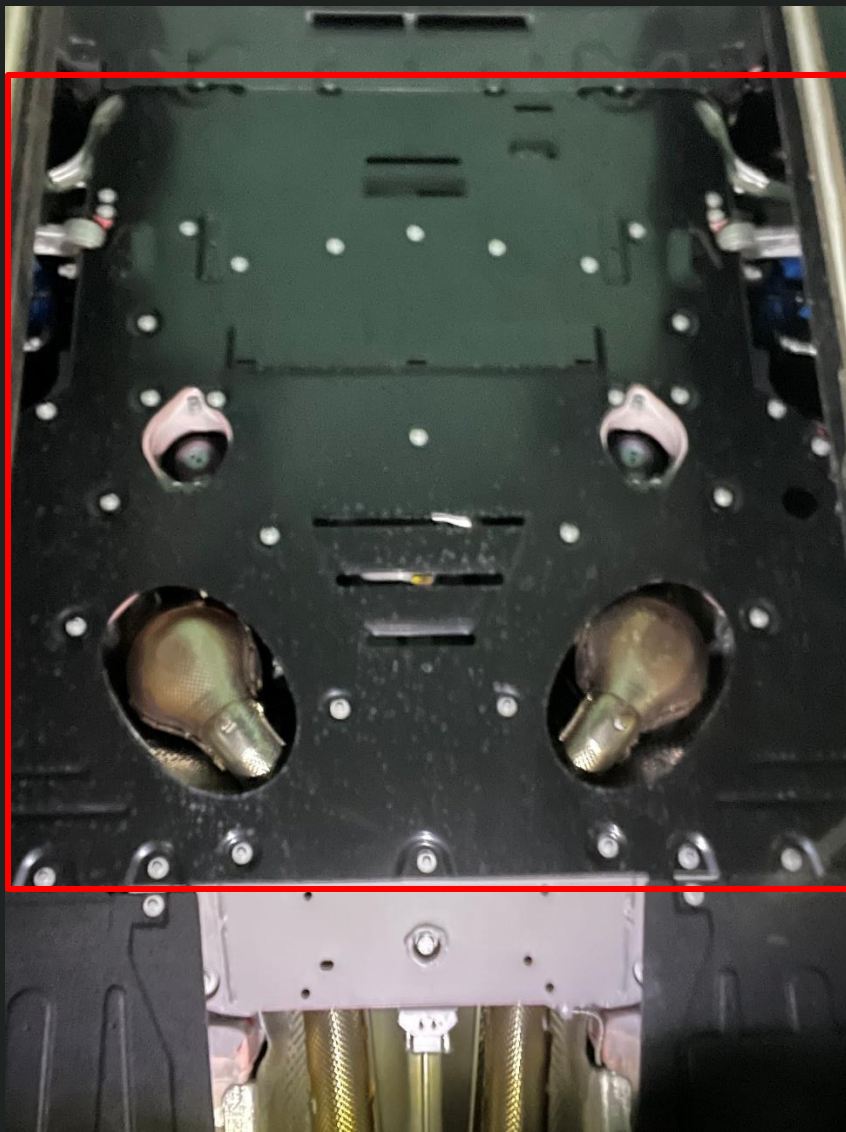


Figure 2

3. Remove the Connecting Rods on Both Sides of the Muffler (Figures 3 and 4)

Caution:

- After removing the screws, organize them properly to avoid confusion during reassembly.



Figure 3



Figure 4

4. Remove the Muffler Hanger Nuts

- There are a total of 12 nuts across both sides (L and R) (Figure 5).

Caution:

- After removing the screws, organize them properly to avoid confusion during reassembly.

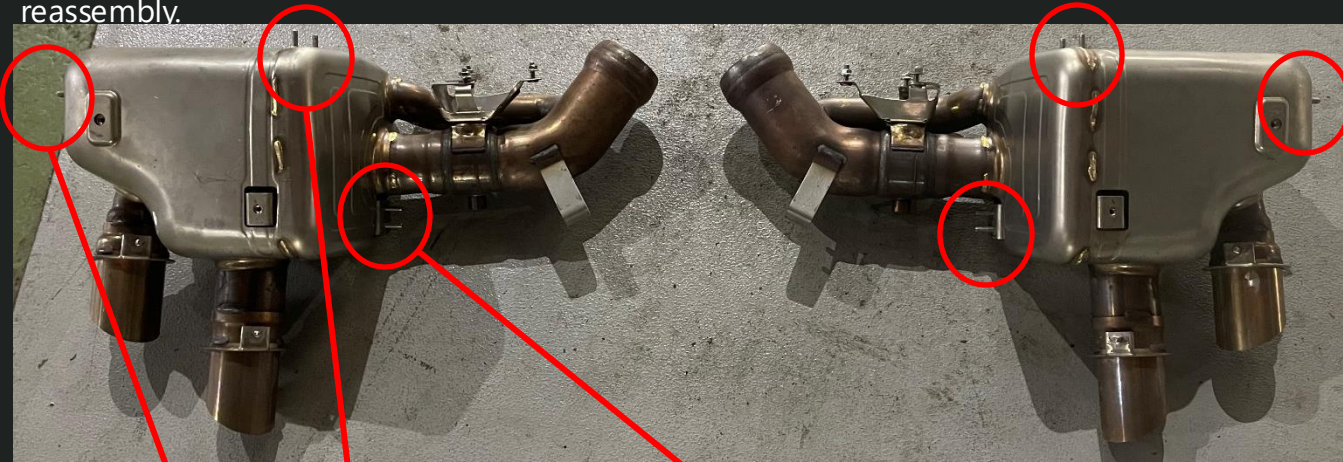


Figure 5



Figure 6

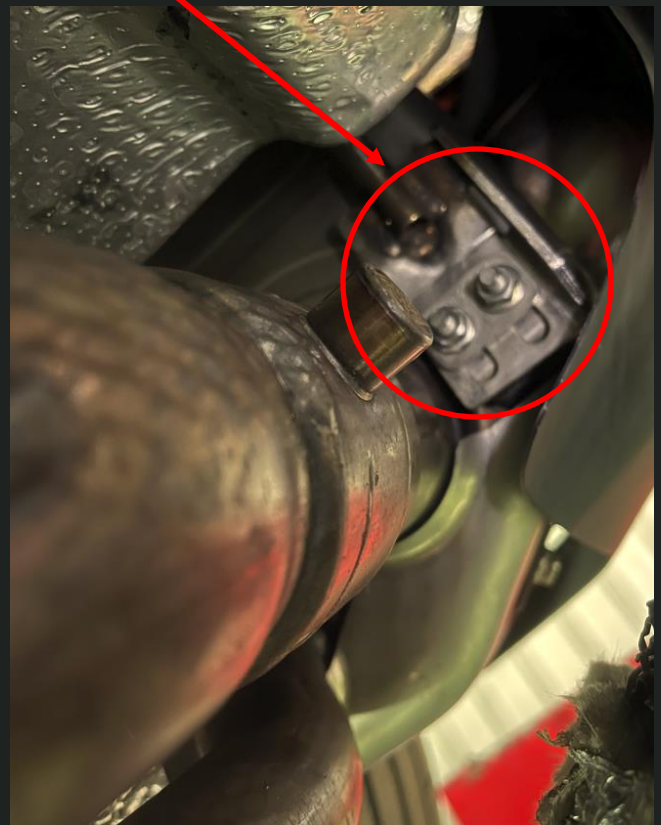


Figure 7

5. Remove the Inlet Clamps on Both Sides of the Muffler (Figures 8 and 9, red circles).

6. Disconnect the Valve Motor Plugs (Figures 10 and 11, red arrows).

Caution:

- After removing the screws, organize them properly to avoid confusion during reassembly.



Figure 8



Figure 9

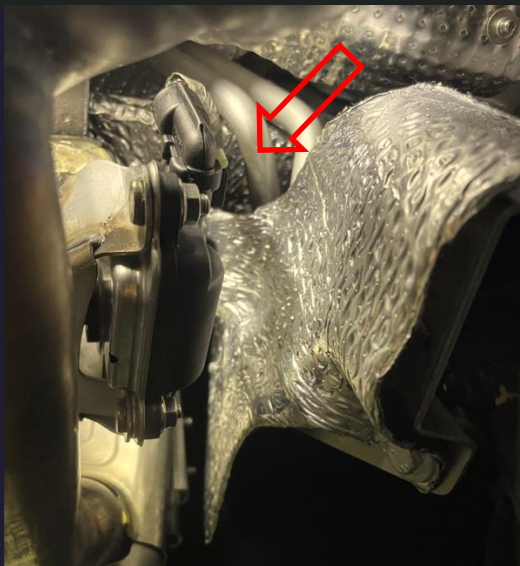


Figure 10

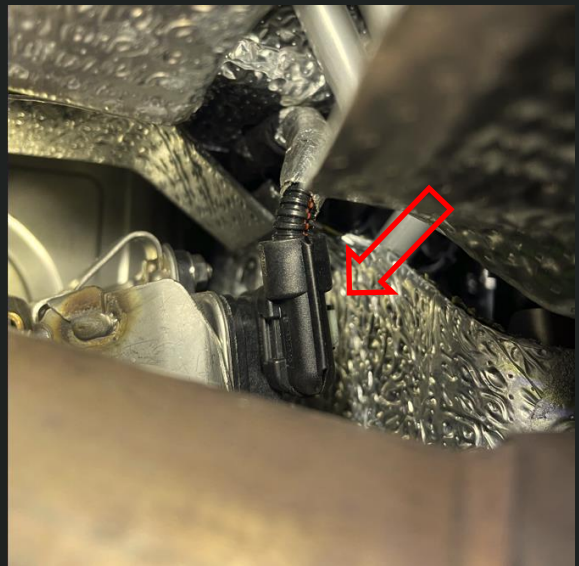


Figure 11

7. Remove the Muffler and Tailpipe.

8. Remove the Tailpipe Fixing Screws (6 screws) and Nuts (4 nuts), then detach the Tailpipe (Figures 12 and 13).

9. Remove the Motor, Motor Baseplate, and Spring (Figures 14 and 15).

Caution:

- After removing the screws, organize them properly to avoid confusion during reassembly.

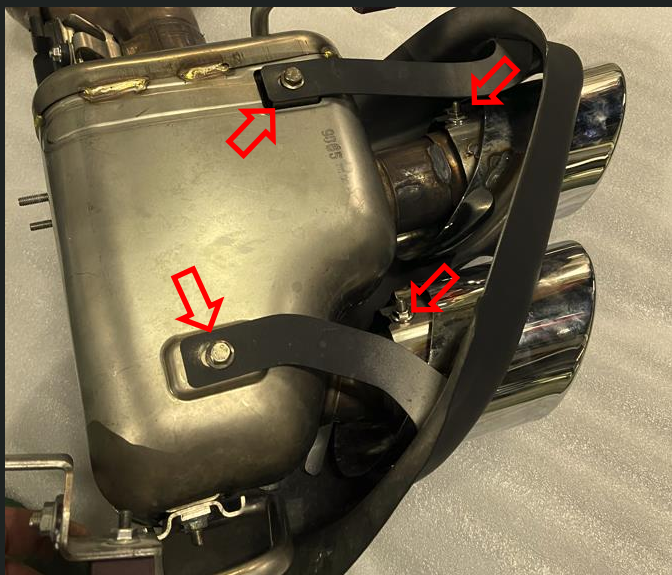


Figure 12



Figure 13

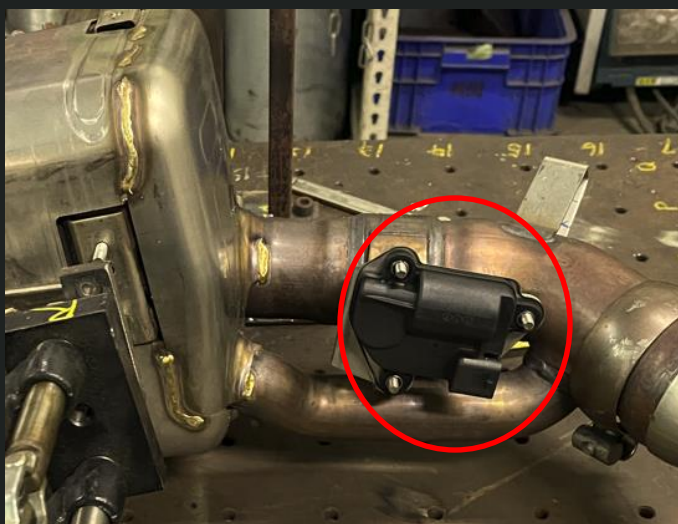


Figure 14



Figure 15

10. Loosen the Rear Section Inlet Clamp Screws (Figure 16, red arrow).
 11. Remove the Rear Section Hanger Bolts (Figure 17) and pull the rear section outwards.
 12. Loosen the Midsection Inlet Clamp Screws (Figure 16, yellow arrow) and pull the midsection outwards for removal.
- Caution:
- After removing the screws, organize them properly to avoid confusion during reassembly.

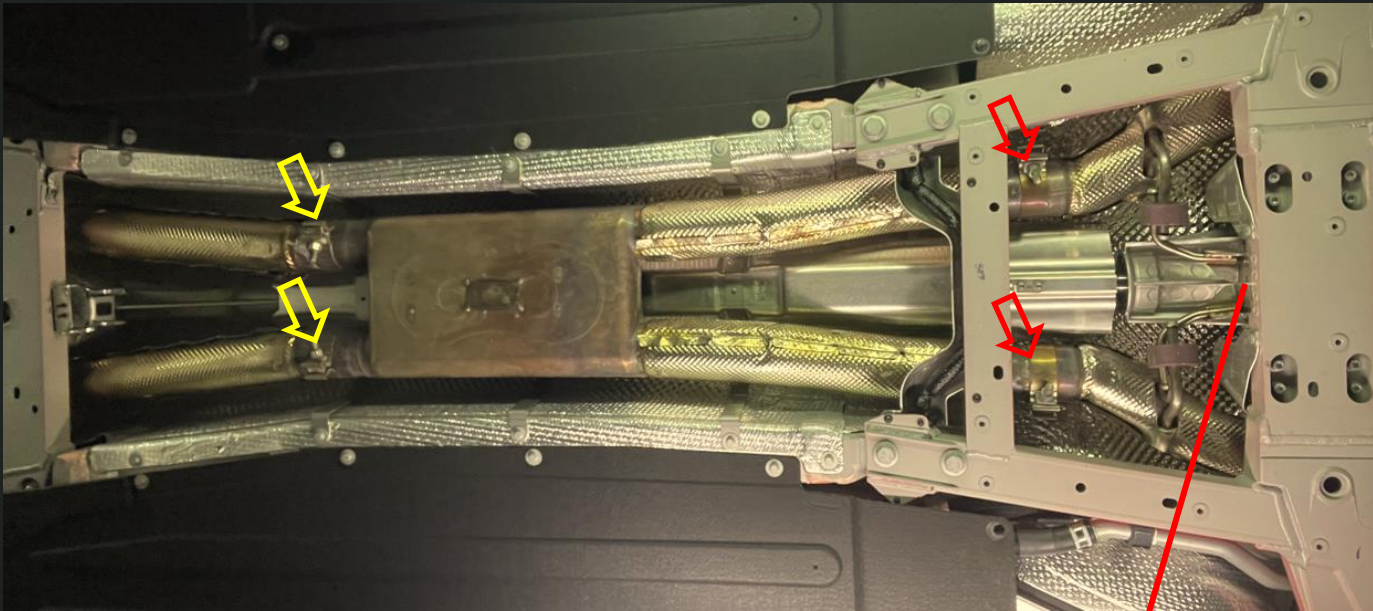


Figure 16

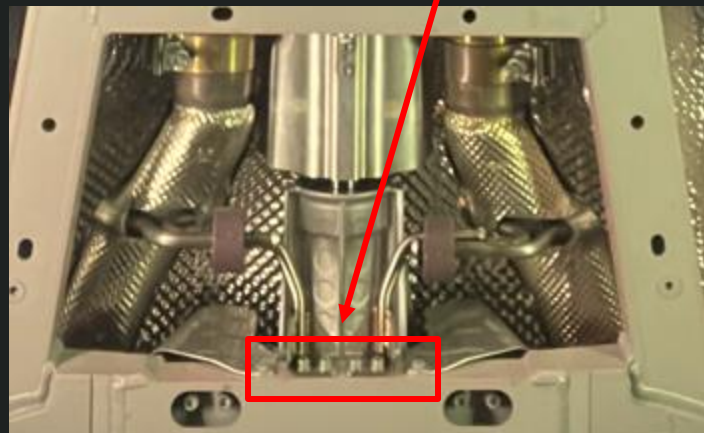


Figure 17

13. Place three top rods to Support the Engine Mounts* 2 and the Transmission (Figure 18, red arrows).

14. Remove the Chassis Frame Screws and Lower the Frame (Figure 18, yellow frame).
Caution:

- After removing the screws, organize them properly to avoid confusion during reassembly.

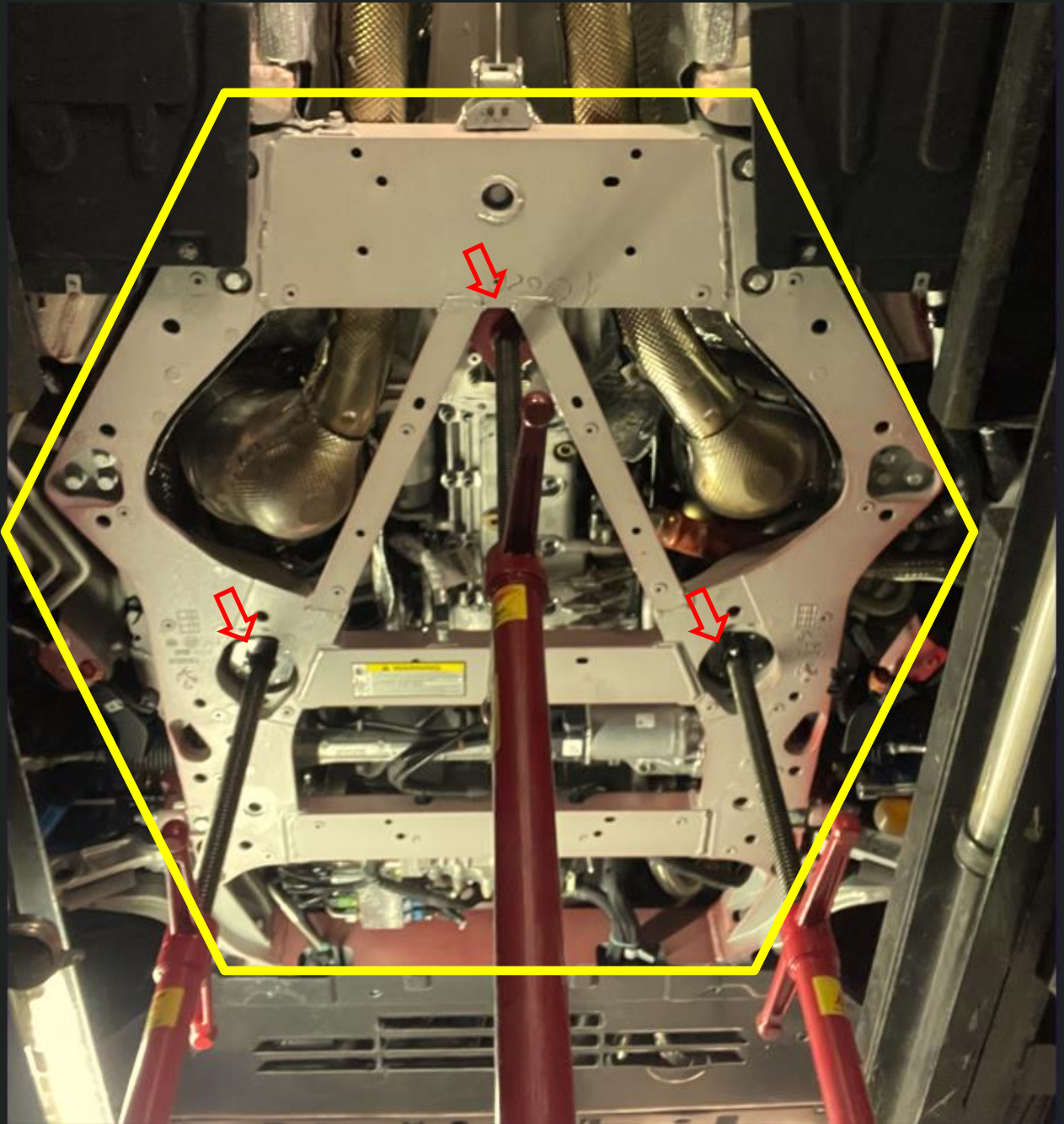


Figure 18

15. Remove the Oxygen Sensor Wire Fixing Screws, Disconnect the Plugs, and Take Out the Wires. After removing the catalytic converter section, remove the oxygen sensors (Figure 19).

16. Loosen the Front and Rear Exhaust Pressure Pipe Nuts (Figures 20 and 21), Remove the Fixing Nuts for the Exhaust Pressure Pipe (Figure 22), and Take Out the Exhaust Pressure Pipe.

- After removing the screws, organize them properly to avoid confusion during reassembly.

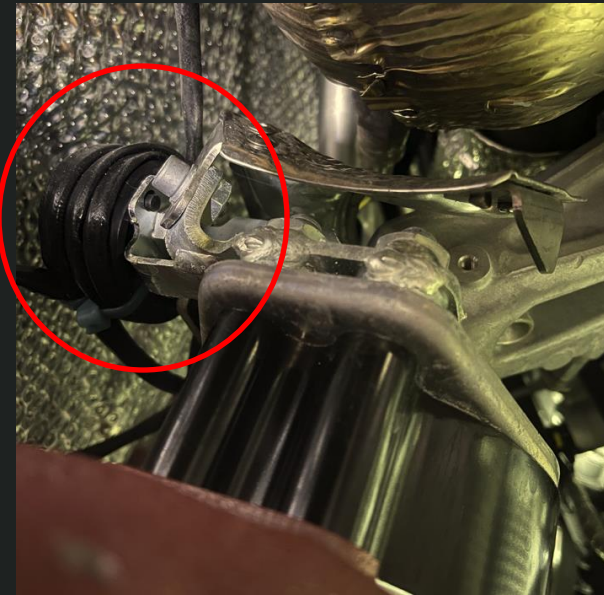


Figure 19



Figure 20

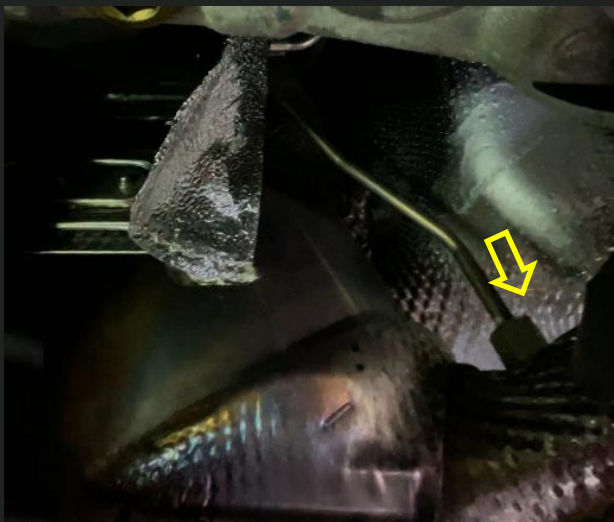


Figure 21

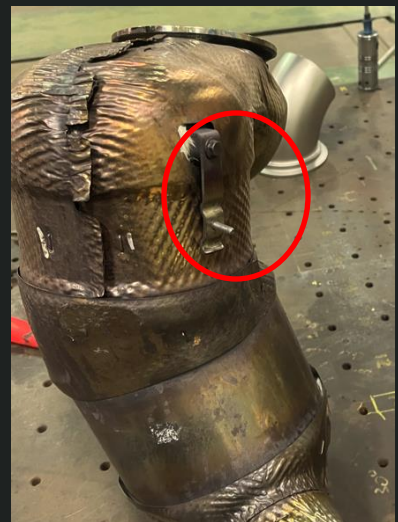


Figure 22

17. Remove the Catalytic Converter Bracket (Figure 23)
 18. Loosen the Front Clamp of the Catalytic Converter and Remove the Catalytic Converter Section (Figure 24).
 19. Remove the Oxygen Sensors and Unwind the Wires Once to Increase Their Length (Figure 25).
- Caution:
- After removing the screws, organize them properly to avoid confusion during reassembly.

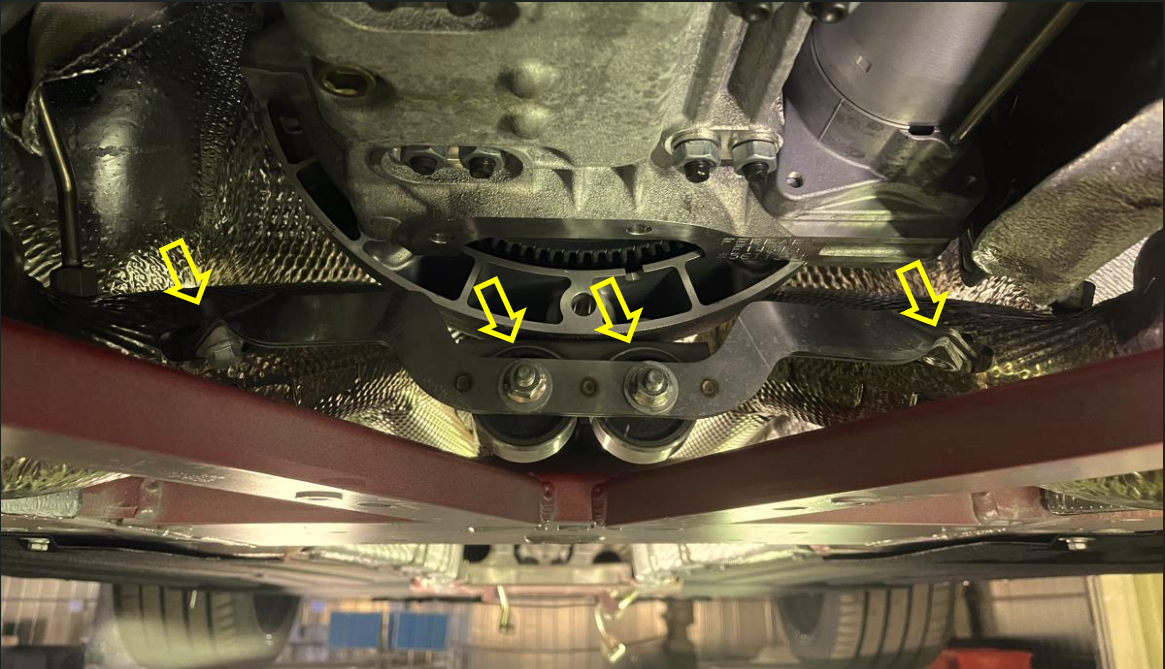


Figure 23



Figure 24



Figure 25

Steps and Key Points for Installing the iPE Exhaust System

1. Attach the oxygen sensors to the iPE catalytic converter front section (Figures 26 and 27). Note: Ensure the wires are unwound to increase their length.
2. Install the front section of the catalytic converter (Figure 28). Do not fully tighten the clamp screws; keep the front section adjustable for alignment.
3. Secure the oxygen sensor wires to their mounting bracket (Figure 29). Connect the plugs and secure them to the bracket.



Figure 26



Figure 27



Figure 28

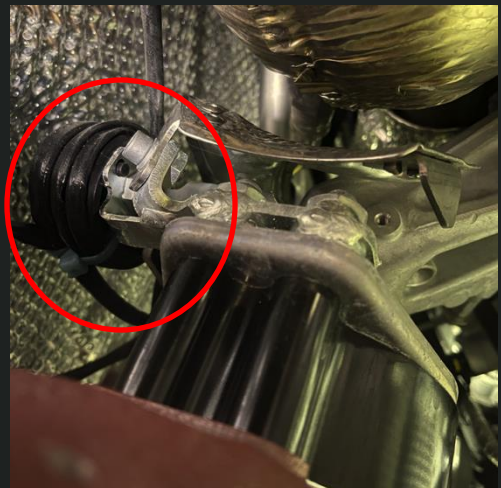


Figure 29

4. Tighten the Front and Rear Exhaust Pressure Pipe Nuts (Figures 31 and 32).



Figure 31

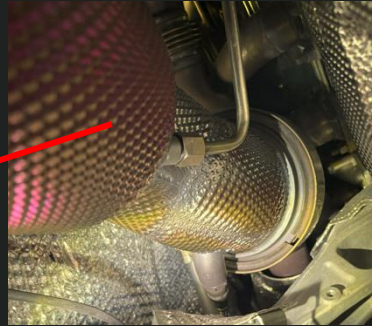


Figure 31



Figure 32

5. Install the catalytic converter rear section and its mounting bracket (Figures 33 & 34).
Use the dedicated catalytic section clamp (Figure 35).

Note: Insert pipe depth 40~45mm

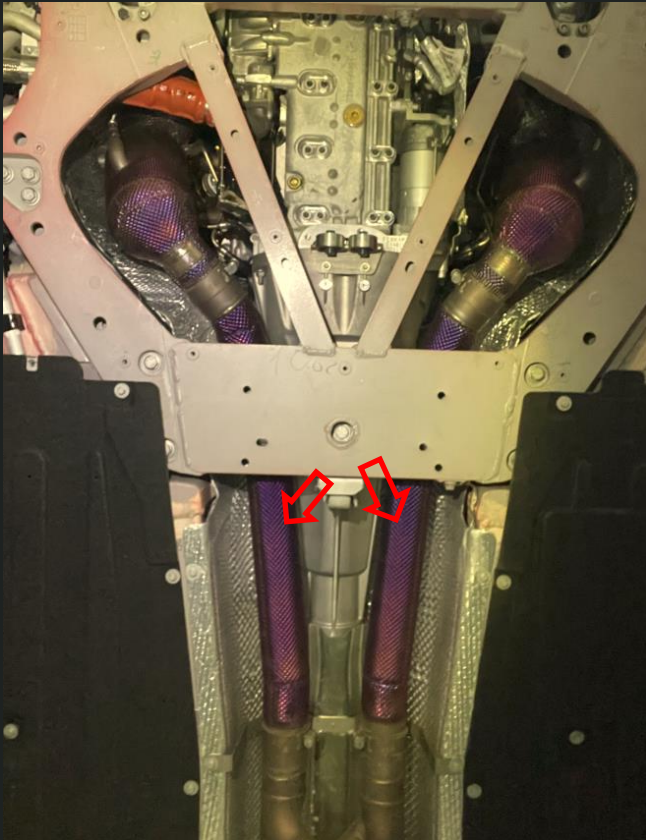


Figure 33



Figure 35

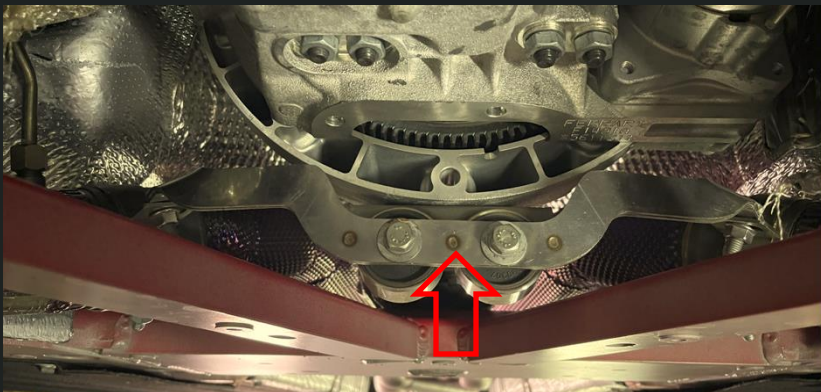


Figure 34

6. Adjust the clamp to align with the bracket's bolt position, then lightly tighten it(Important: Pay attention to the clamp orientation, Figures 36 & 37). After alignment, fully tighten the clamp.

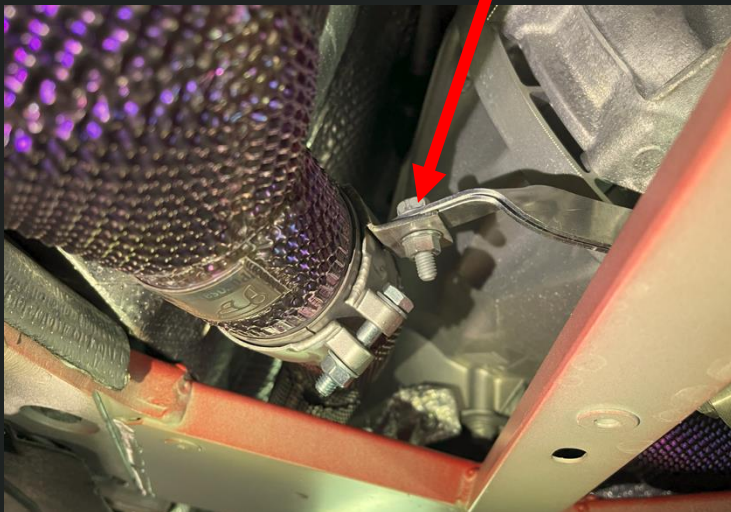
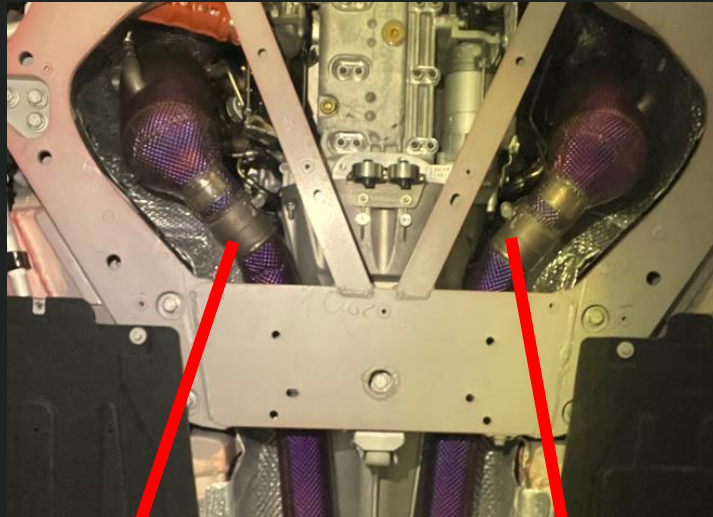


Figure 36

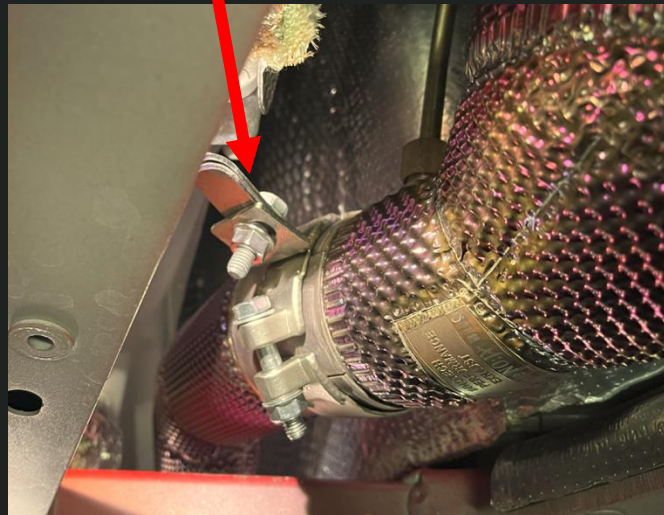


Figure 37

6. Reinstall the underbody frame and tighten the bolts. Once secured, remove the three support bars (Figure 38).

Note: Apply appropriate torque when tightening bolts.

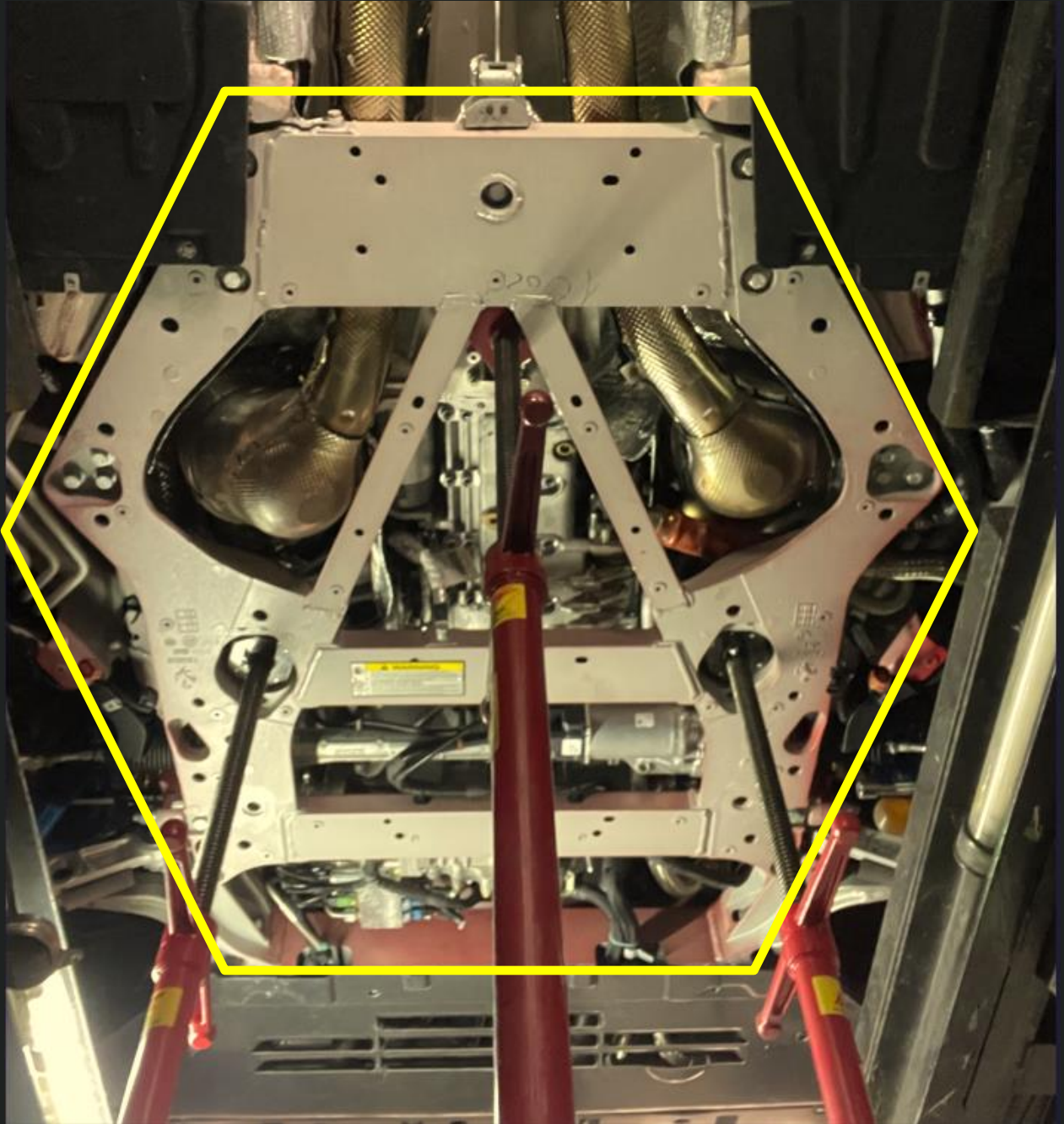


Figure 38

7. Install the mid pipe and rear pipe. Lightly tighten the clamps first, then adjust and fully secure them (Figure 39, red arrows).

8. Secure the rear pipe hanger bolts and tighten them (Figure 39, yellow arrows).

Note: Insert pipe depth 40~45mm

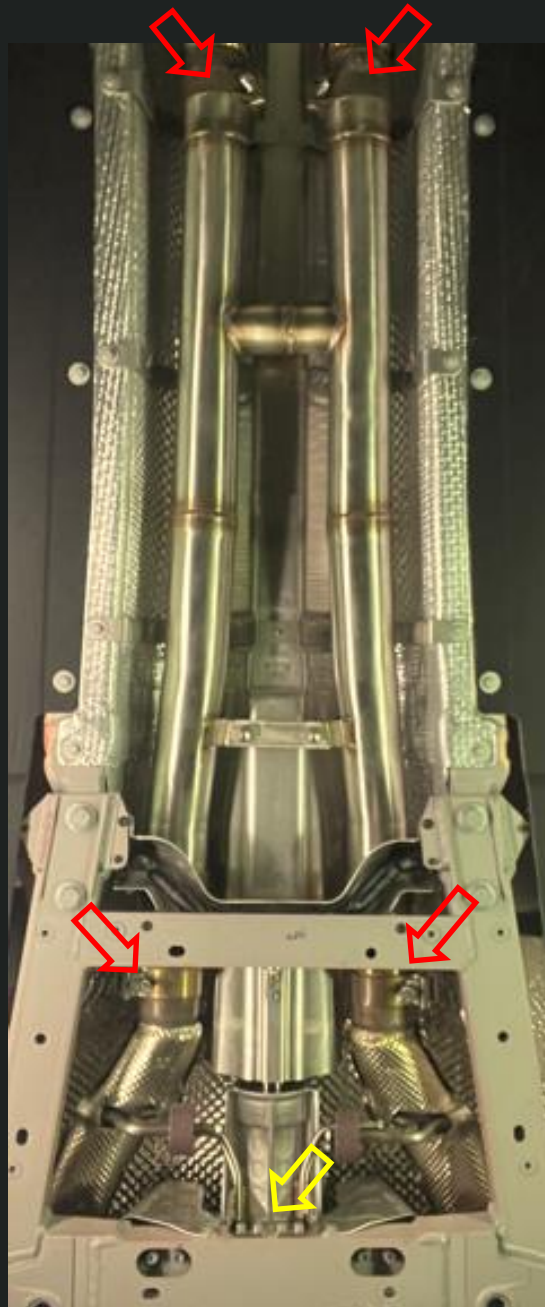


Figure 39

9. Install the tailpipes onto the IPE muffler (Figure 40, red arrows).

10. Install the factory motor, motor baseplate, and springs onto the IPE muffler (Figure 40, yellow arrows).

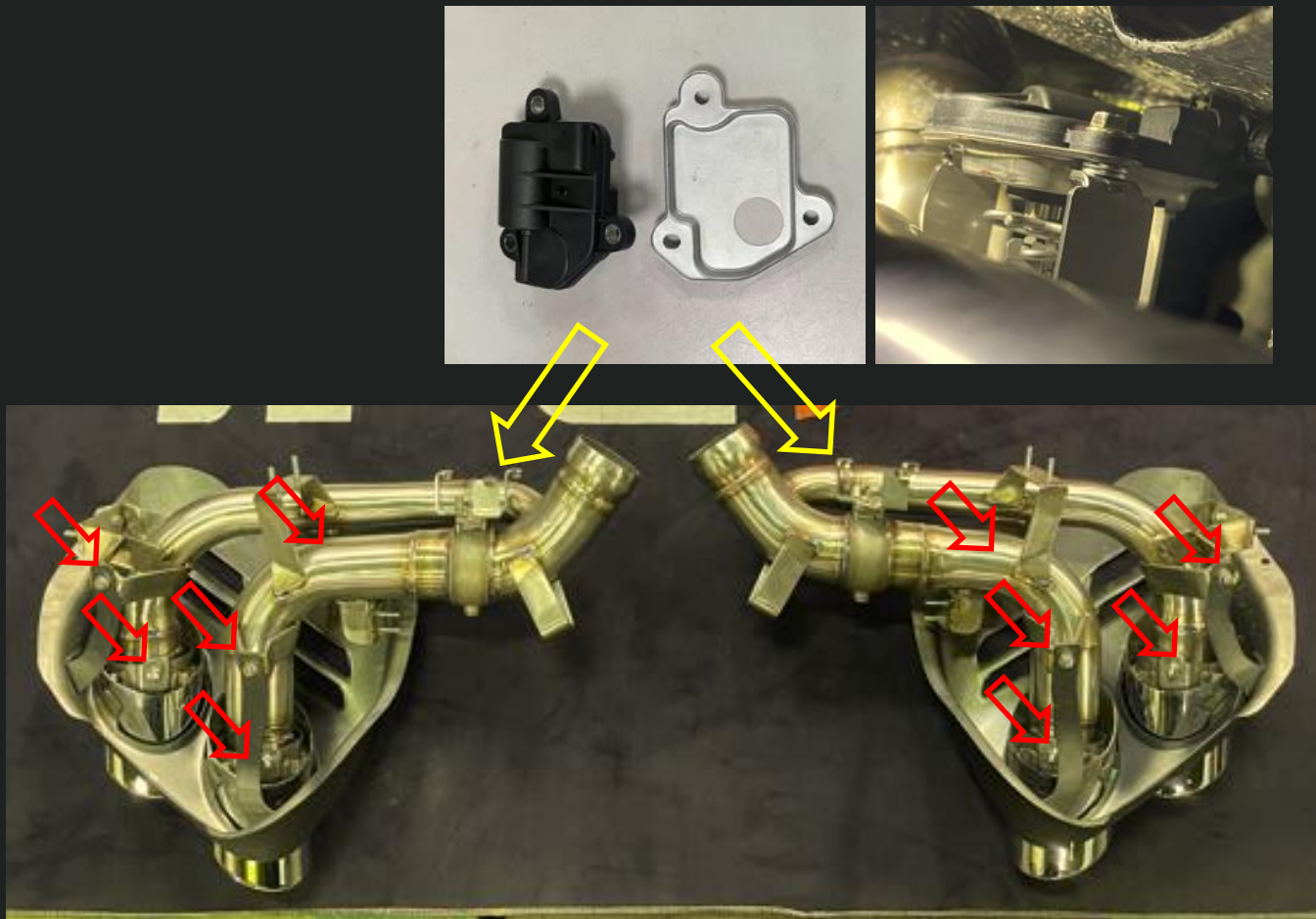


Figure 40

11. Reinstall both sides of the IPE muffler and tailpipes. First, install and secure the hanger bolts and nuts. Then, install the muffler inlet clamps (Figures 41 & 42, yellow arrows).



Figure 41



Figure 42

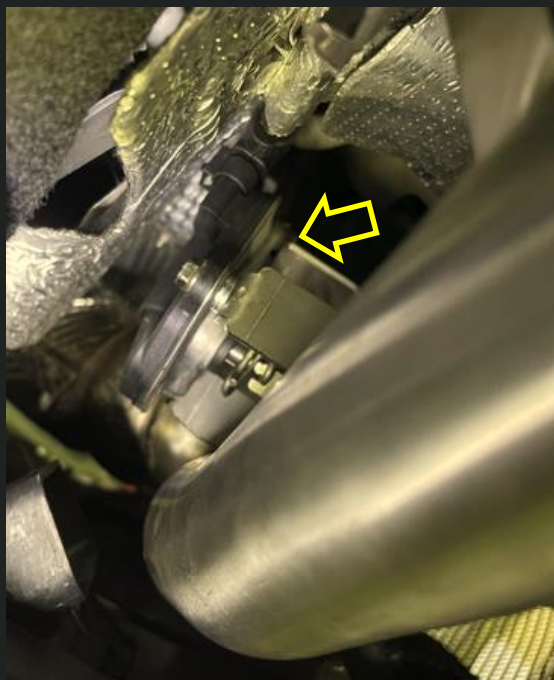


Figure 43

13. Starting from the catalytic pipe, tighten all bolts progressively towards the rear pipe.

14. Adjust the connection between the catalytic pipe and the mid pipe. Secure the catalytic pipe front flange clamp (Figure 44). Then, tighten the clamps at the catalytic front-to-rear pipe junction and the mounting bracket (Figure 45).

- Note: Apply appropriate torque when tightening bolts.

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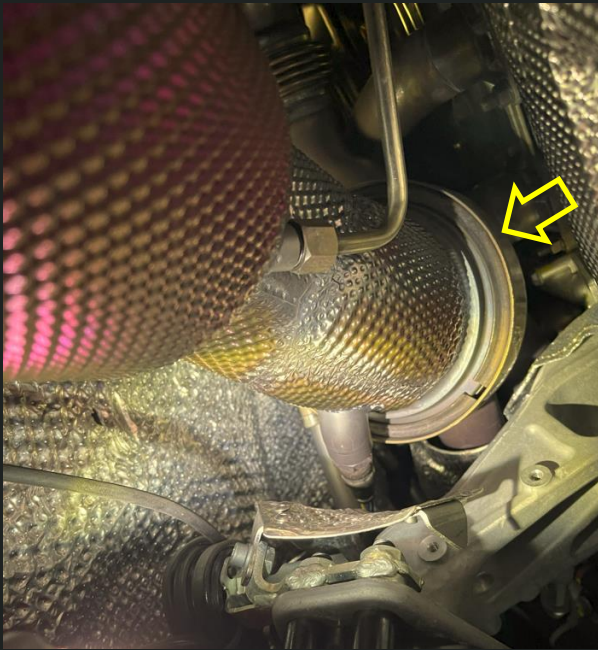


Figure 44

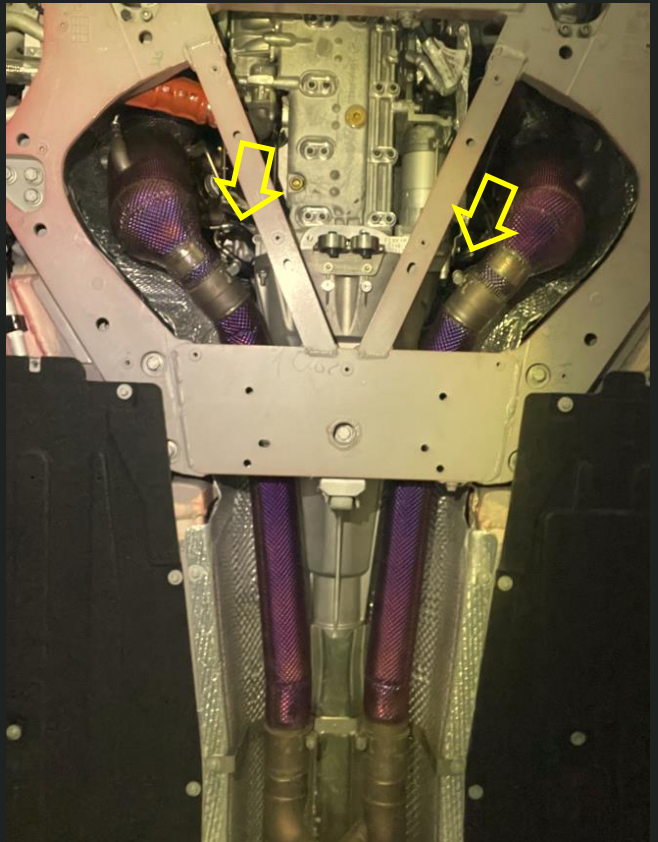


Figure 45

15. Adjust the mid pipe and rear pipe to their optimal positions. Ensure the rear pipe hanger is level (Figure 46, yellow arrows). Then, tighten the clamps (Figure 46, red arrows).

- Note: Apply appropriate torque when tightening bolts.

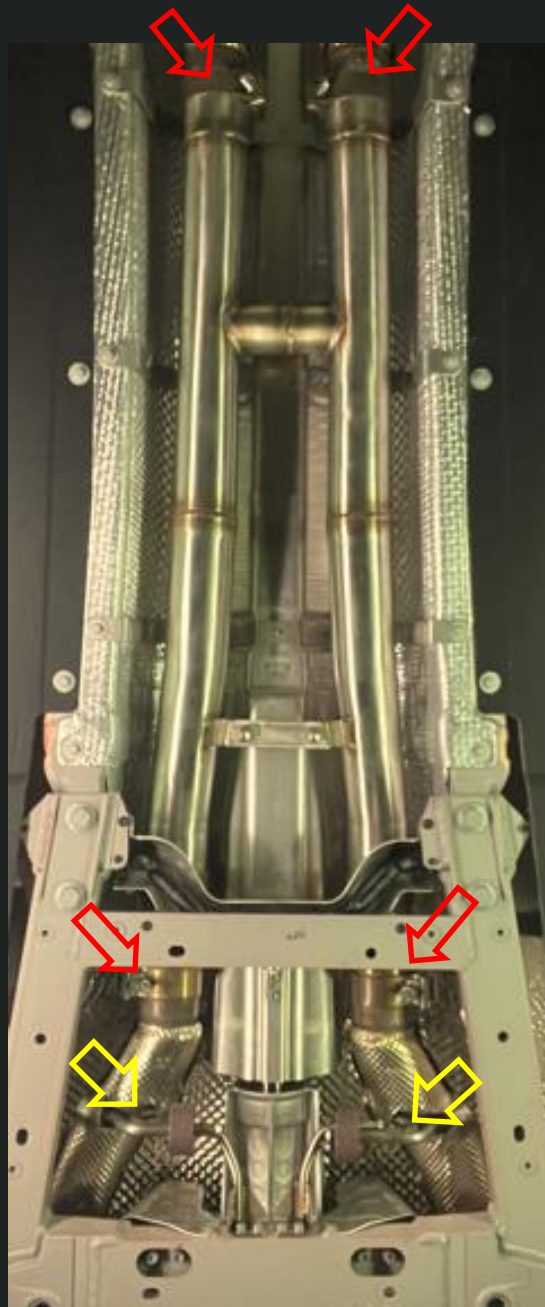


Figure 46

16. Adjust the height of the muffler and tailpipes to the proper position (Figures 47 & 48), Once positioned, tighten the muffler hanger bolts to secure the height.

17. Install the upper muffler body support bar and tighten it (Figures 49 & 50, yellow arrows). Tighten the muffler inlet clamps (Figures 49 & 50, red arrows).

Note: Apply appropriate torque when tightening bolts.



Figure
47



Figure 48



Figure 49

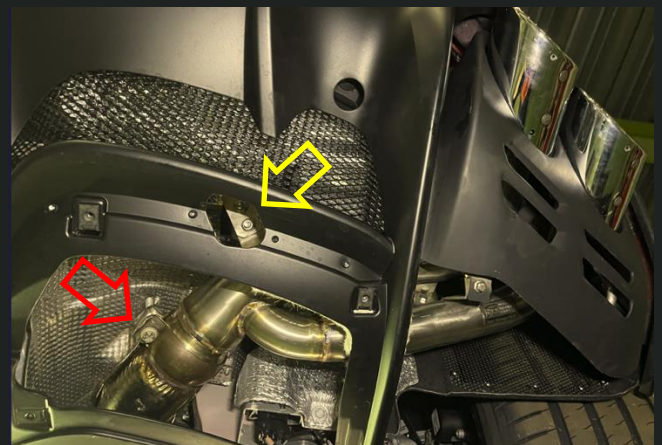


Figure 50

18. Reinstall the rear undertray (3) and the left (1) and right (2) lower plastic covers (Figure 51).

Note: Apply appropriate torque when tightening bolts.

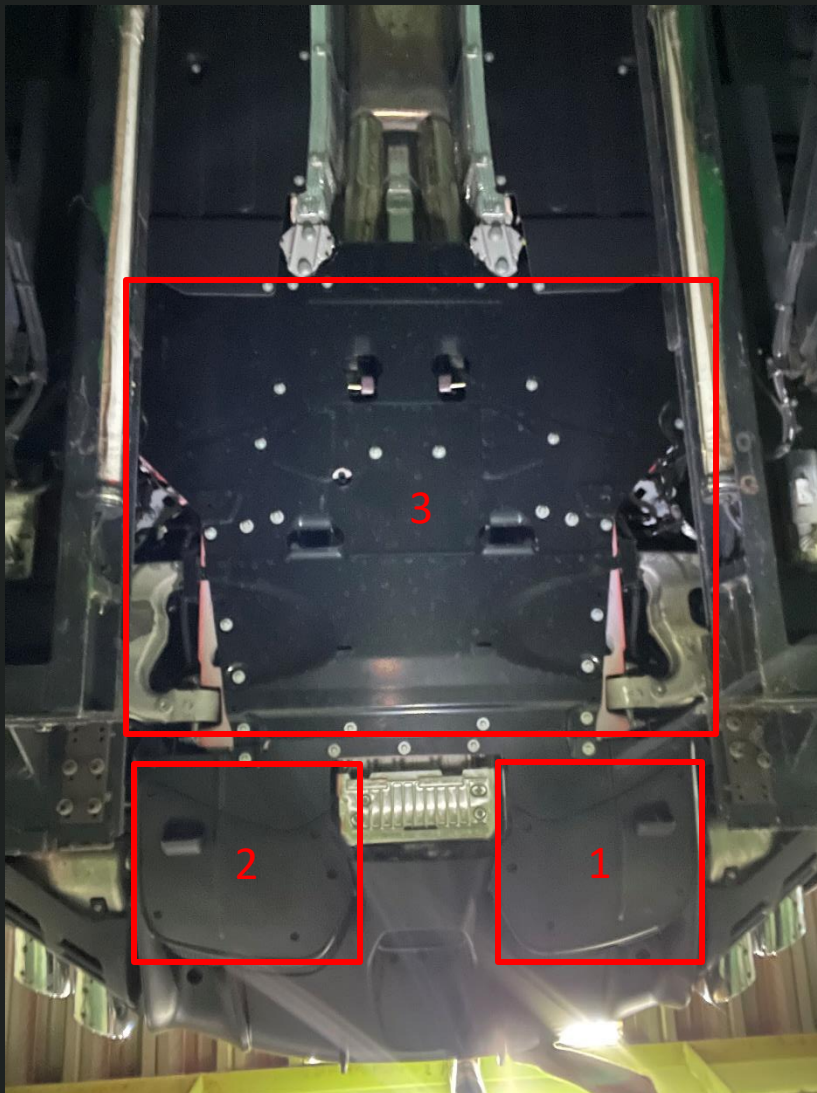


Figure 51

19. Reinstall the front undertray (Figure 52).



Figure 52

Return & Warranty

1. **Product Warranty Period:** iPE provides limited warranty services for one year starting from the shipping date. After verifying that the failure occurred within the warranty period by iPE. No inspection, parts, maintenance or other costs will be charged and of these costs will be incurred by iPE. Product warranties are non-transferable.

2. **Warranty Policy:** iPE's warranty services follows the standard operating procedure (SOP): Repair → Replace → Refund. The principles of this procedure are as follow:

Repair: During the warranty period and under normal usage, iPE is responsible for free repairs if the problem is due to product quality issues.

Replacement: During the warranty period and under normal usage, if the product quality issue arises and is unable to be solved by repairing, iPE is responsible for the free replacement.

Refund: If the replacement of a new product does not resolve the issue and it is the product's quality fault that causes the product to be unable to be repaired and used, please notify iPE within 7 days and iPE will give a full refund including shipping costs.

3. Product quality problems which are not included in the warranty includes:

Consumables: Under prolonged use, damaged flanges/screws/flange gaskets/springs/diaphragms/several strips/aluminum adapters... or slight rusting or discoloration of the product is common and natural.

The heat protector (heat wrap or heat shield) is a consumable and has a limited life span. Due to difference in personal usage or frequent disassembly, damage caused by wear and tear is common.

The tips and oxidized blue/purple colors are decorative parts. Before installation, please make sure that the appearance meets the requirements. Once installed and used, the return or exchange of the appearance will not be accepted. Please note that the decorative products will be affected by extreme environments. Therefore, there may be slight discoloration after prolonged use. In order to extend the lifespan of the tips, DO NOT wash with corrosive chemicals.

A friendly reminder, whether it is a 200 cell catalyst or a catalyst-delete pipe, iPE products are designed for motorsport and race track use only. By deleting the catalytic converters or modifying certain parts of the exhaust system, the chances of triggering the CEL 'Check Engine Light' and 'OPF/GPF (Otto Particulate Filter / Gasoline Particle Filter)' warning signal are high in certain car models. Please note, our warranty DOES NOT cover this or any software incompatibilities.



Return & Warranty

We recommend remapping the vehicle's ECU to prevent potential faults from occurring. The OBD control system adopts the CAN communication mode. If the vehicle itself does not support this mode or there are other OBD interface devices and taps in the vehicle. The OBD control system cannot be controlled normally, in this case, it is not covered by the warranty.

In order to protect the integrity and functionality of the exhaust system. During Valve OFF Mode, the valves will automatically open when it reaches 4,000 RPM as a safety precaution.(Remind that the remote controller needs to install the accelerator signal line and set properly.) (For example, when the car is accelerated to approximately 3,000 RPM, as a safety precaution in automatic mode, the manual mode control process requires the user to open the valves in time for safety measures).

4. Product damage which results the violation of normal usage, accidents or natural disasters is not covered by the warranty. Under the situations mentioned above, iPE will not be responsible for the cost of maintenance/inspection, parts and potential transportation fees.

5. iPE's warranty commitment to the product is limited to the quality issue of the product itself. Warranty commitments shall be limited to the product itself and shall not exceed the selling price of the product; to the fullest extent permitted by law, iPE shall not be liable for other damages (including but not limited to vehicle collisions or accidents, personnel maintenance costs, transportation costs, vehicle owners or employees, environmental issues, safety issues, loss of profits, and other related personal losses.)

6. Transformation of the iPE product's ownership will cause the warranty to be voided automatically.

7. If personal modifications are made to the iPE exhaust system or application of non-iPE standard accessories such as fire, heat protectors or ceramic coating are used. iPE will not be responsible for the damages and the warranty will be voided automatically.

8. The purchase of iPE 's exhaust system does not include the labor costs for initial installation, removal, and subsequent installation/inspection process.

9. Due to various environment such as temperature, humidity or any natural causes. There may be some slight rusting and/or discoloration after prolonged use. This is normal wear and tear and will not be covered under the warranty.

10. iPE warranty does not cover any product modifications without the consent of iPE and the warranty will automatically become invalid; if the modifications is made with the consent of iPE, except for the warranty failure for the modified part. Other products are still under the warranty commitment by iPE.





PERFORMANCE REDEFINED

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