



Installation Instruction

Ferrari 488 GTB / Spider

Before Installation

Welcome to iPE Exhaust.

Thank you for choosing iPE Exhaust. Please carefully read and follow the installation instructions below before proceeding with the installation. Improper installation may result in a voided warranty.

By reading this installation guide and installing the exhaust system, you have agreed to the terms and conditions stated in this manual. Please contact support@ipeofficial.com for any further questions.

Installation Instructions for iPE Exhaust System*

- Please make sure the car is lifted properly. Failure to do so may cause vehicle damage and personal injury including death. Please make sure the car is lifted onto the proper lifting point.
- Exhaust systems can create extremely high temperatures. Prior to installing your iPE exhaust system, please allow your car engine to cool down or wear proper protective wear in order to prevent injuries during installation process.
- Please be careful, do not strip or break nuts and bolts during removal and installation. Please tighten the bolts to the correct specifications in order to prevent mechanical issues.
- With iPE Valvetronic exhaust systems, we recommend 60% throttle opening for valve actuation , in order to prevent excess resonance with exhaust sound.
- Please note, It is normal for white smoke to be visible on the first start. The smoke will dissipate after the exhaust reaches working temperature.
- For personal safety, please do not stand directly in front of the exhaust on first start. As it is a new exhaust system, the muffler is not yet active. There may be some manufacturing debris that will exit the exhaust system, which may cause injury.
- Please note, iPE exhaust system requires a break-in period, the exhaust sound and tone may change after driving approximately 300 miles (500 Km) after installation.

Product Overview

X-pipe

Downpipe



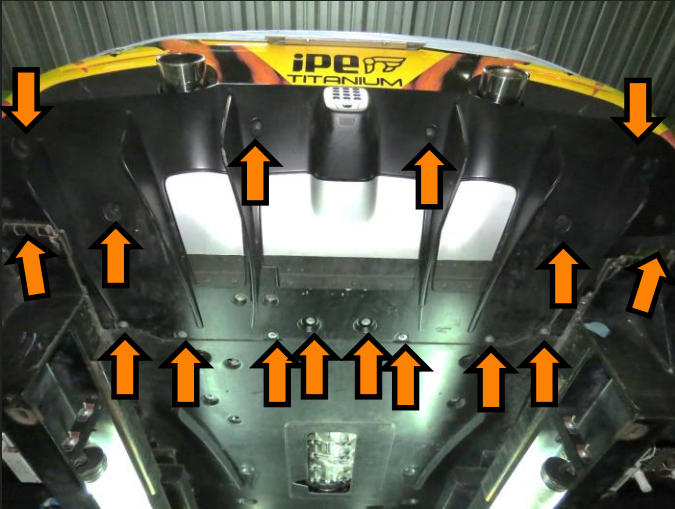
Heat wrap

Stock System Removal

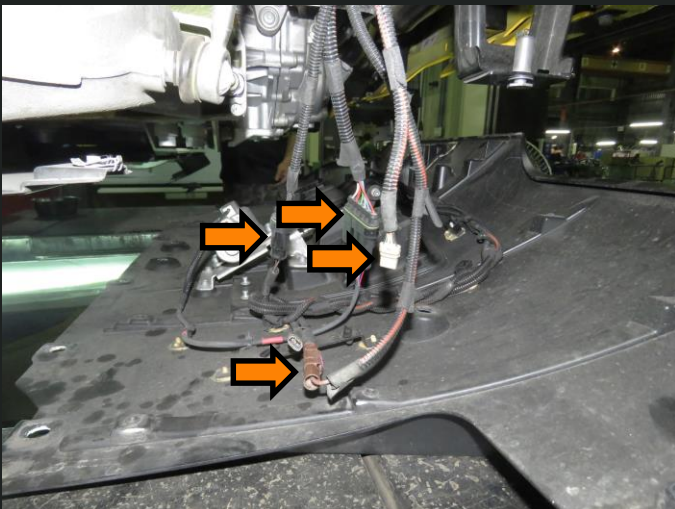


Step 1

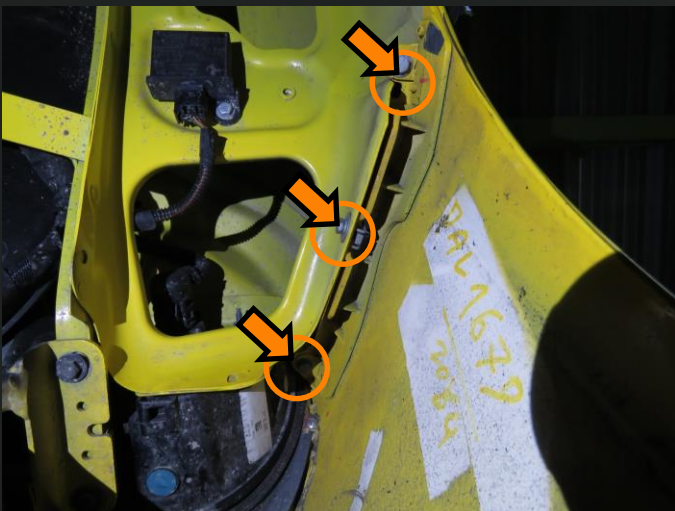
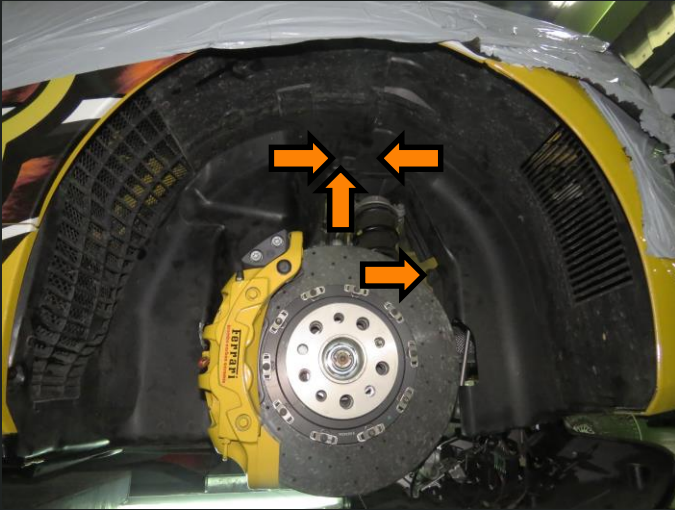
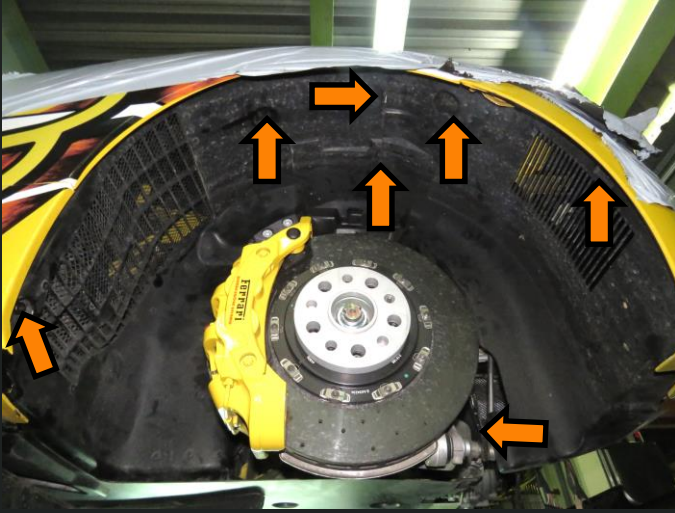
Remove the wheels from both sides, the inner wheel liner and the rear diffuser. Please disconnect the connections within the diffuser before removing the group of cables from the vehicle.



-When removing the screws, please place them in the correct order to avoid confusion during the reinstallation process.



Stock System Removal



Step 2

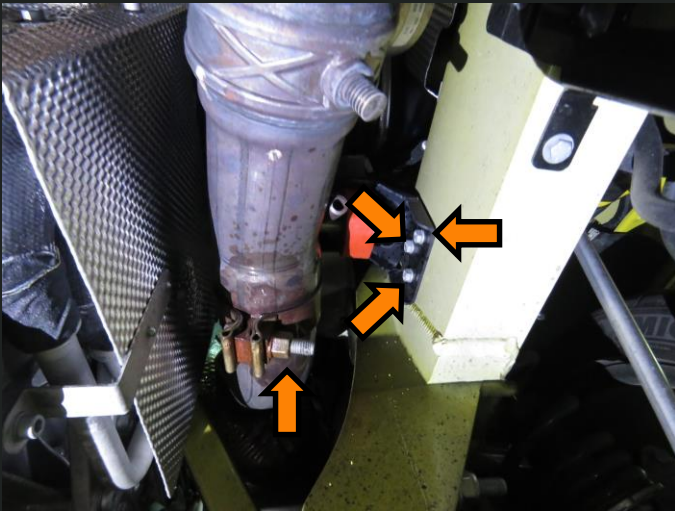
In order to remove the rear bumper, first remove the exhaust pipes; then unscrew three screws from both sides shown within the picture below.

-When removing the screws, please place them in the correct order to avoid confusion during the reinstallation process.

Stock System Removal



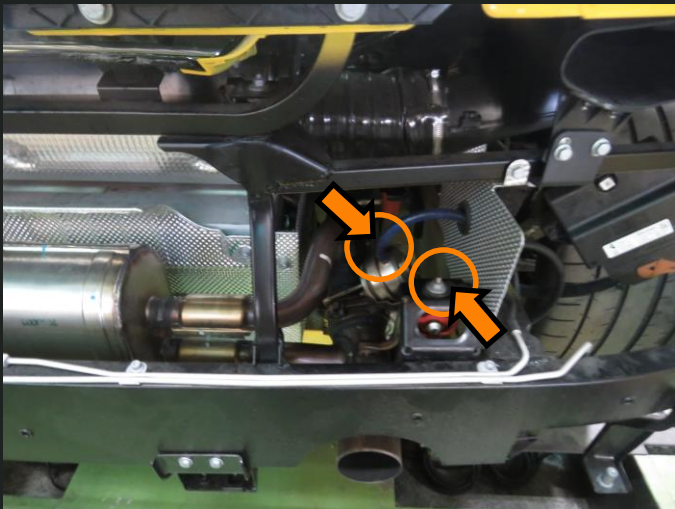
-The rear bumper is fixed with a latch, please pay attention when disassembling. To avoid any damage to the latches.



Step 3

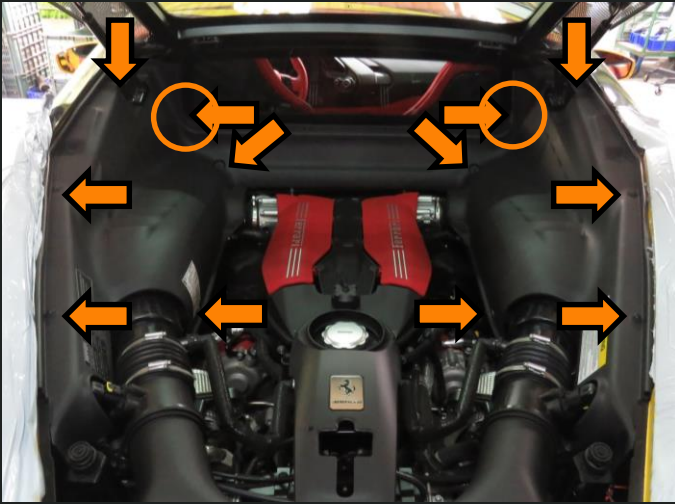
Unscrew the bundle ring and remove it then unscrew the lugs from the front and rear on both sides of the mufflers. After that, remove the vacuum tube from the exhaust valve.

-When there are residual heat on the exhaust pipes, DO NOT apply antirust agent or any form of spray onto the pipes!



-Please use the appropriate tools to remove the exhaust valve and vacuum tubes. If any improper use of tools while disassembling, it may damage both the valve and the tube itself!

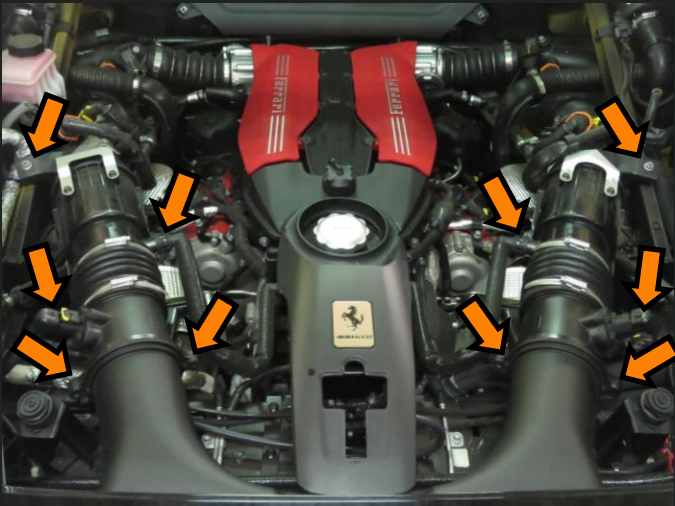
Stock System Removal



Step 4

Unscrew the screws along the sills on both the left and right side of the engine compartment. The screws inside the indicated red circle is attached with shims. When removing the engine covers, please remove them cautiously to avoid any damage.

-During the process, staffs may accidentally lean onto the car and leave scratch marks or damage the panels. Please use a fender cover work mat or apply a protective film in order to prevent any damage.



Step 5

Unscrew the intake duct screws and support brackets, then unscrew the vacuum tube and disconnect the connectors.

-The cables has a preventive disconnect system, please open it according to the factory specification. To avoid damaging the cables.

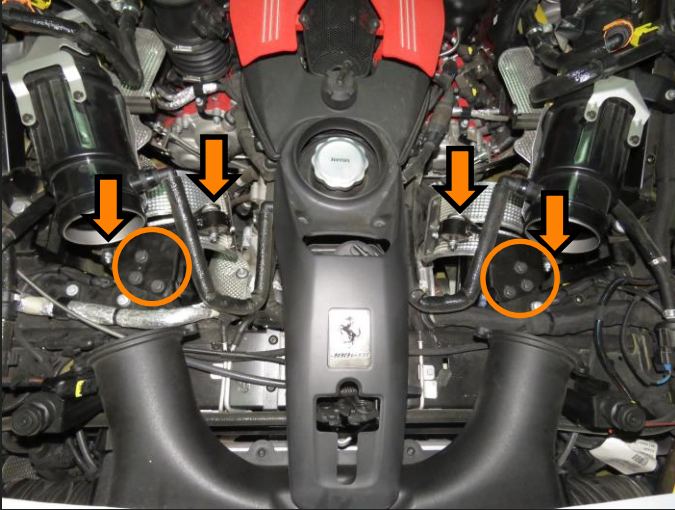


Step 6

After disconnecting the connectors and removing the bundle ring indicated by the red circles from both sides of the engine. Move the intake duct to the side for easy access and removal of the catalyst section.

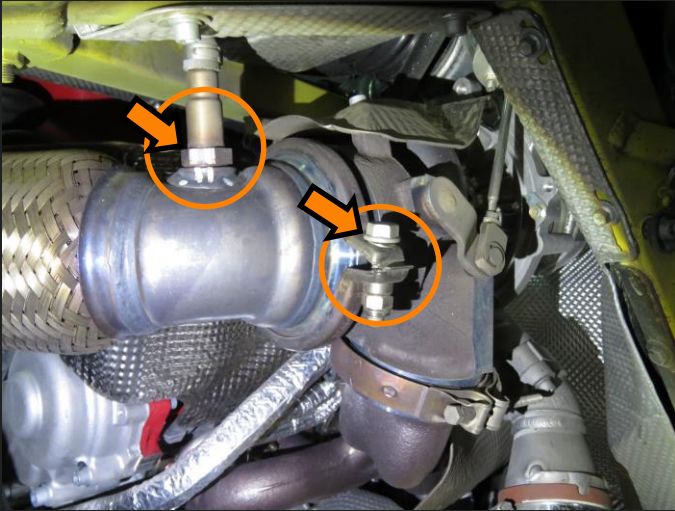
-The cables has a preventive disconnect system, please open it according to the factory specification. To avoid damaging the cables.

Stock System Removal



Step 7

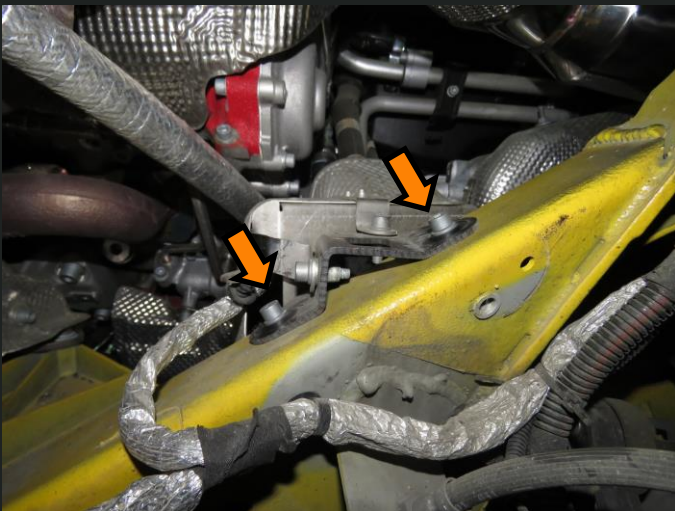
Unscrew the bolts, exhaust hangers and heat shields on both sides of the engine.



Step 8

Unscrew O2 sensors on both sides of the engine and remove the bundle ring on the catalyst section.

-Please use the correct tools to remove the O2 sensors to avoid any damage to the tube!



Step 9

Unscrew the screws and remove the heat shield.

Stock System Removal

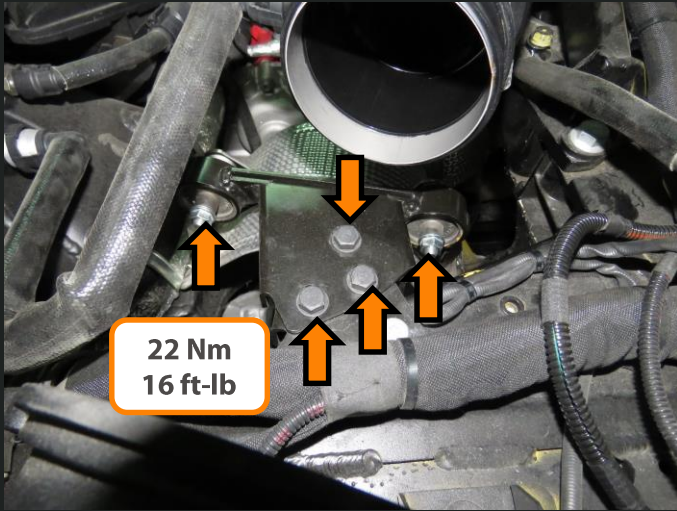


Step 10

After the catalyst is removed, then the mufflers can be removed afterward.

-Please carefully disassemble the catalyst converter, to prevent causing damage to the turbo charger and cables around it.

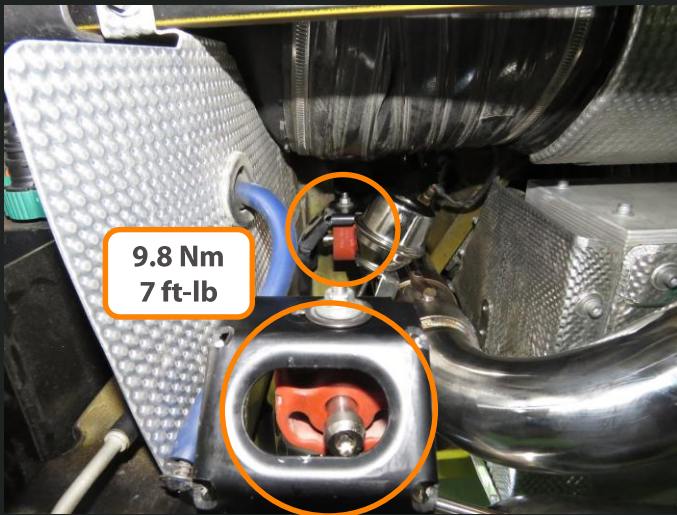
Installation



Step 1

Secure both sides of the iPE Downpipe and mufflers into place.

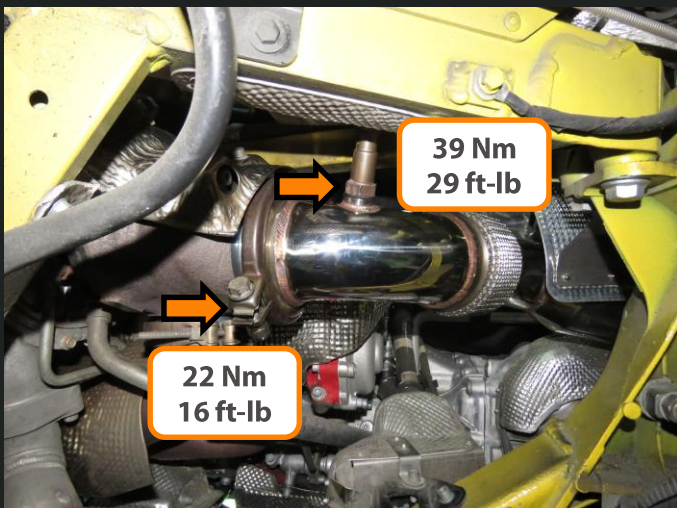
-Tighten the screws with a torque wrench according to the suggested torque value shown within the picture below.



Step 2

Install the exhaust hangers onto both sides of the iPE mufflers.

-Tighten up the screws to the proper torque value indicated within the picture below.



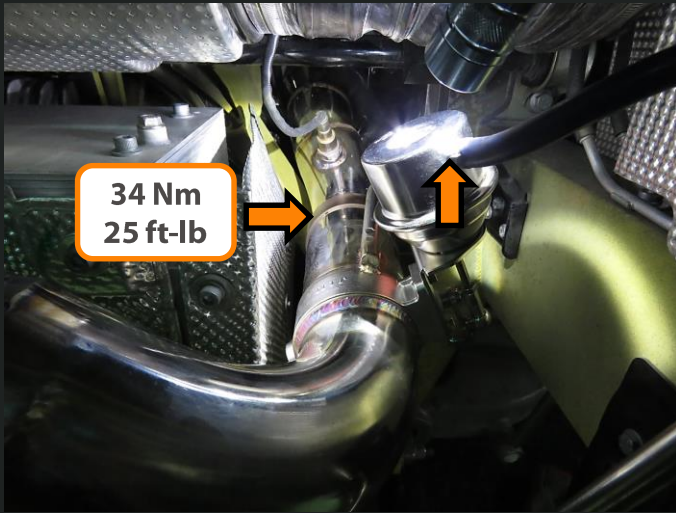
Step 3

Mount the bundle ring and O2 Sensor back onto the catalytic section.

-Please install the O2 sensors with a proper tool to avoid damaging the components!

-Tighten the screws with the proper torque value shown within the picture below.

Installation



Step 4

Tighten the bundle ring, then install the original vacuum tubes and the actuator.

Step 5

Put back all the removed parts from earlier and tighten the screws according to the correct installation procedure. The given torque value is indicated below.

-Please tighten the screws according the given torque value.

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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