

Installation Manual For VW Golf GTI MK8



For VW Golf GTI MK8

- iPE would like to congratulate you on your purchase of the exhaust system of Ferrari 488 GTB.
- Valvetronic Sound technology, superior build qualities, and use of material make our exhaust system an industry leader. We would like you to enjoy your exhaust system with this installation manual.
- Please read this installation manual carefully before proceeding with installation of the iPE exhaust system. Installing an exhaust system does require some tools and experience. Since some parts of the system are related with electrical connections, certain level of skills is required in order for the complete system to work properly. If you have any doubts about the installation procedure, we recommend that you talk with your dealer for further assistance. Improper installation can void your warranty. By reading this installation guide and installing the exhaust system, you have agreed to the terms and conditions stated in this manual.
- Any questions or comments, please do not hesitate to contact us.

iPE HEADQUARTERS

+886 2 27711997 / www.ipe-f1.com / info@ipe-f1.com

- Please make sure the car is lifted properly. If you fail to do so, you risk suffering vehicle damage and personal injury including death. Make sure that the car is lifted on the proper lifting point.
- Exhaust system creates very high temperature; therefore, before doing any work on the exhaust, please allow time for the vehicle to cool down or wear protective items such as gloves to prevent injury before starting the installation process.
- Be careful not to strip or break nuts and bolts when loosening them and while installing, please torque the bolts to the correct specifications to prevent mechanical issues from occurring.
- With our Valvetronic system, iPE recommend 60% throttle opening for valve actuation to prevent excess resonance with exhaust sound.
- 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 because the muffler is not yet active and some manufacturing debris might exit the exhaust and cause injury.
- Our exhaust system requires a break in period and the sound and tone might change after the break in period. Normally this will take place at around 300 miles or about 500 km.
- Be ready to enjoy the performance and sound of exhaust system.



Catback system x 1
Downpipe x 1

Tips x 2

Tools Required

Flathead Screwdriver

Hex Socket Set

Penetrating Fluid
(Anti-Rusting Oil)

Philips Screwdriver

Torque Wrench

Torx Screwdriver

Torx Socket

Open And Hex Wrenches

Ratchet Wrench With Sockets

- With the engine shut off and the car on the lift, please unplug the wiring harness from the valve actuation motors.

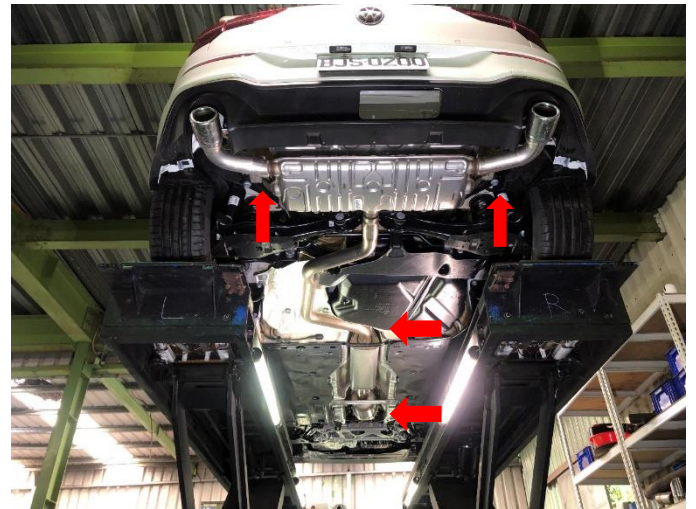
- Removal of the stock exhaust

A-1.

Remove in the following order: midpipe clamp, hangers with hanger brackets.

- After the screws are removed, place them neatly and in an organized manner to avoid confusion when reinstalling them later.

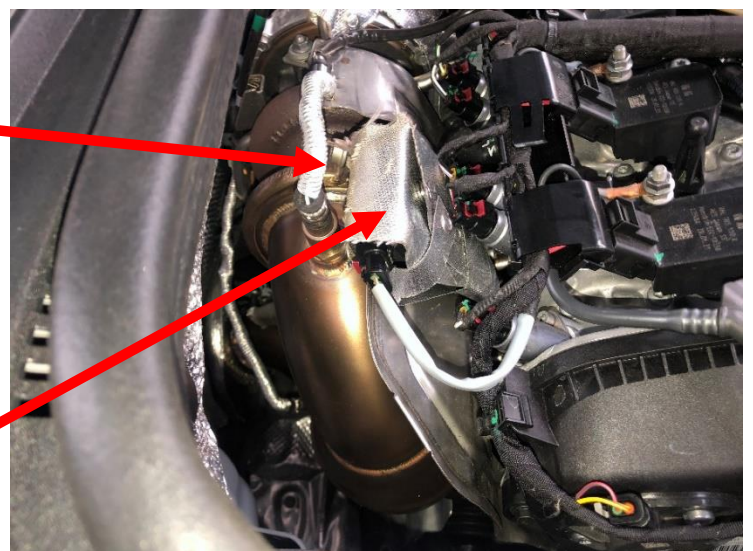
Caution: Ensure that the car is lifted properly to prevent the risk of vehicle damage, injury, or even death. Please allow time for the exhaust to cool down or wear protective material to avoid injury.



A-2.

Remove in the following order: O2 sensor and exhaust clamps

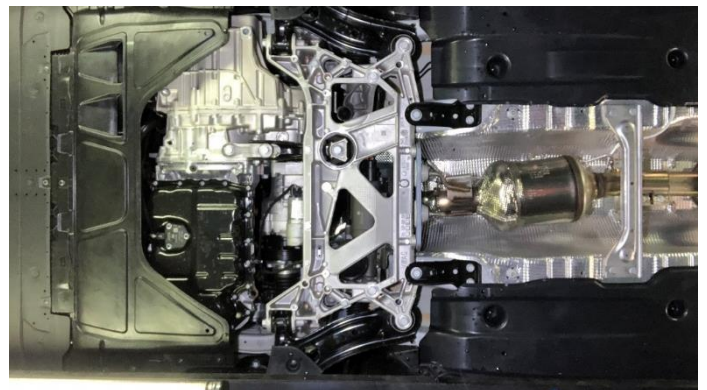
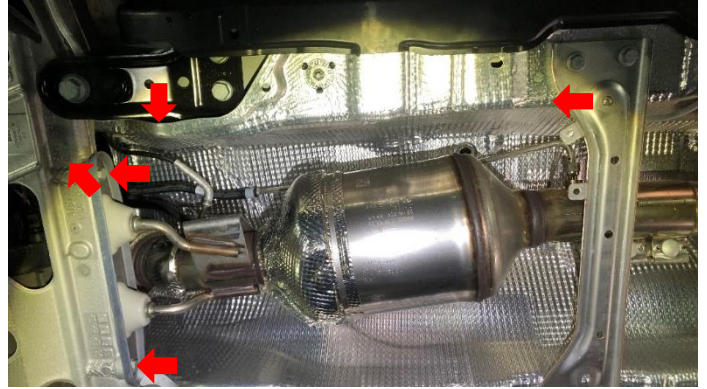
- After the screws are removed, place them neatly and in an organized manner to avoid confusion when reinstalling them later.



A-3

Remove in the following order: exhaust hangers, OPF sensors. Downpipe section can be loosed and removed then.

- Chassis support needs to be loosed so the downpipe can be removed.
- After the screws are removed, place them neatly and in an organized manner to avoid confusion when reinstalling them later.



- Steps to installation of iPE Exhaust

B-1

Place the iPE downpipe into position.

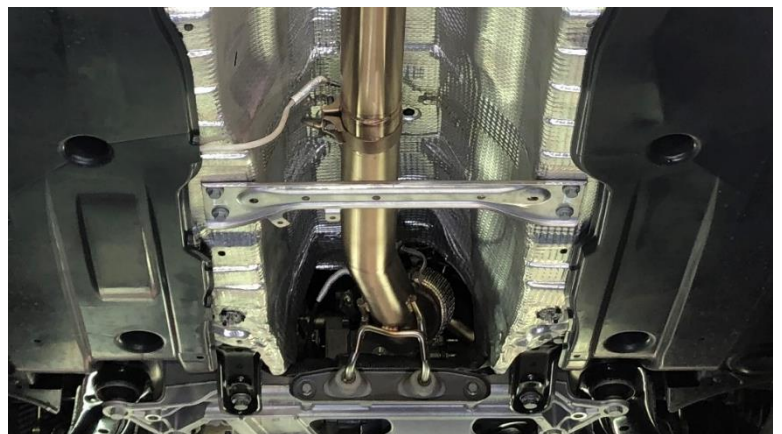
Tied down the clamps and also put back the factory O2 sensor

- Secure the screw properly
- Tie down the chassis support



B-2

Install the iPE midpipe in position.





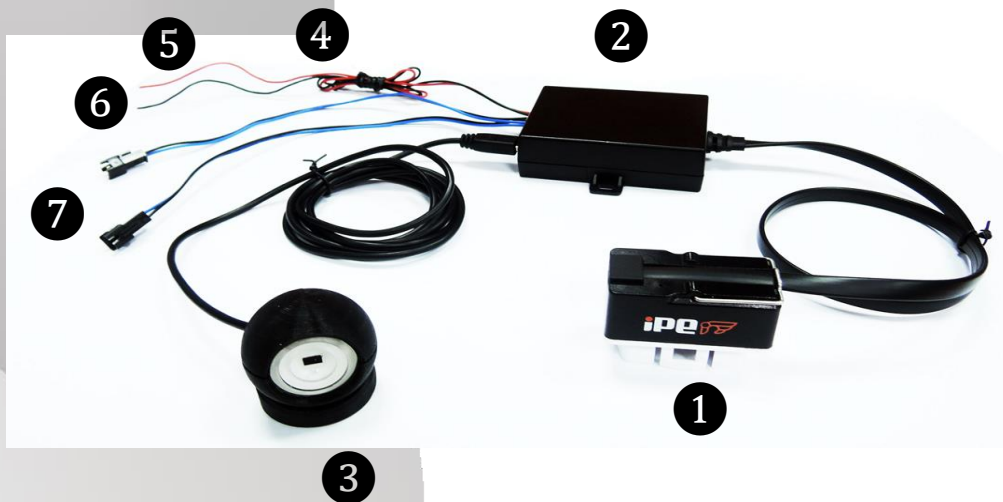
B-3

After Installing the rear section and tips, the installation is all done.

C-1

1. Installed the catback system back on the car.
2. Put back the motor with the accessories in the box to iPE muffler.
3. Divide the wire and install back in position and located in the heat protector.

- Using factory valve control system

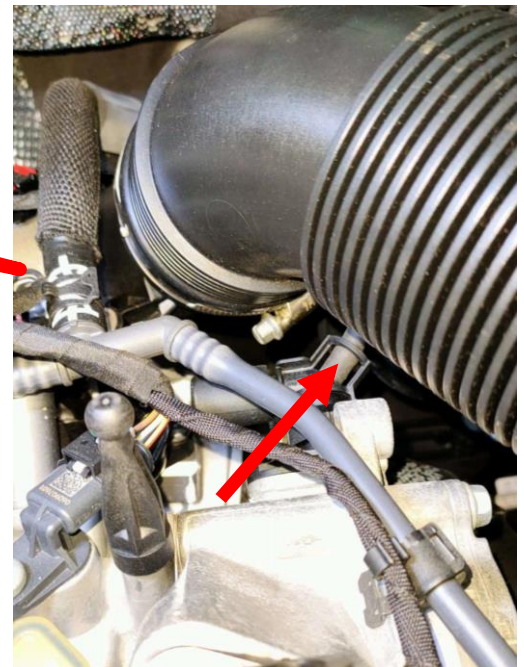
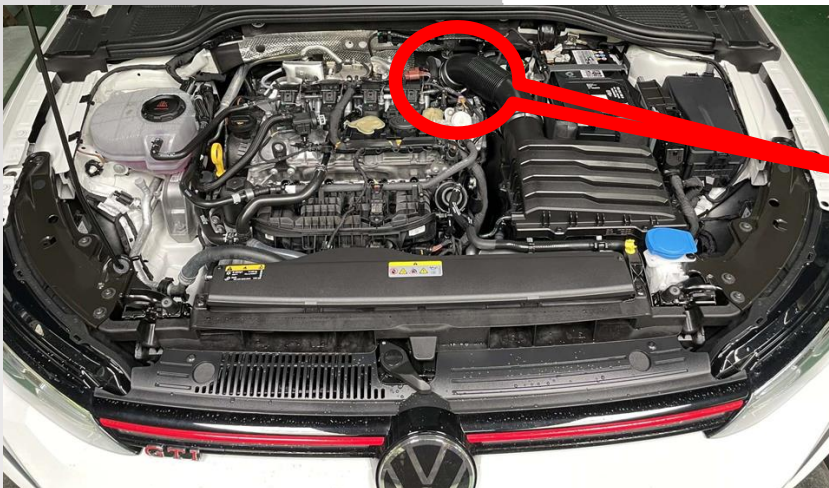


編號	品名	編號	品名
1	OBD2 Connector	5	Positive
2	Valves Control	6	Negative
3	Gesture Control	7	Solenoid
4	Wires	8	

C-2

Vacuum source:

The factory vacuum source is located in middle of engine bay under the intake manifold.
The red marked is the vacuum source that can use and connected with a 3-way adapter.



C-3

Vacuum source:

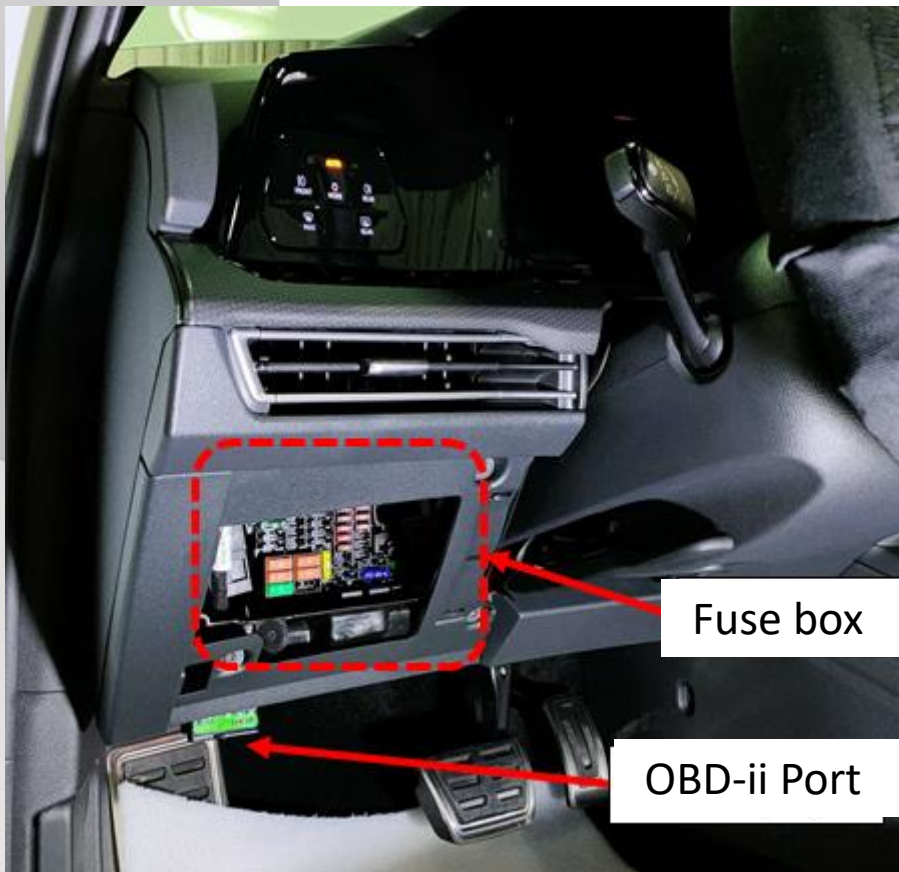
Find a proper location to installed the vacuum pump.

Connect the vacuum pump to the valve control on the muffler by the hose and located under the undercover.



C-4

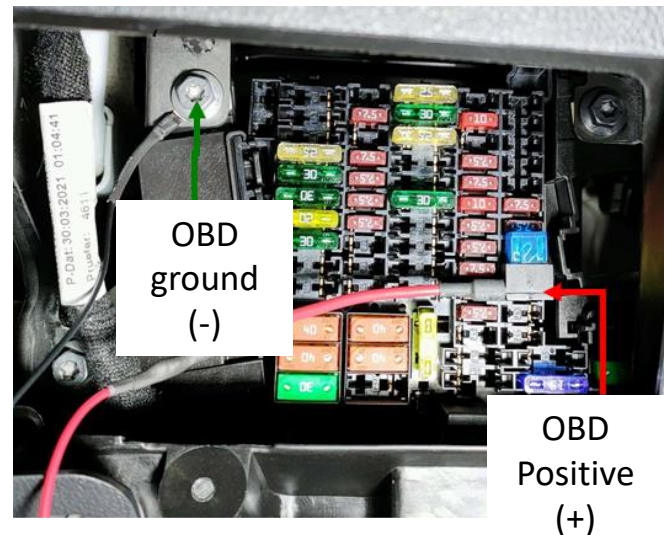
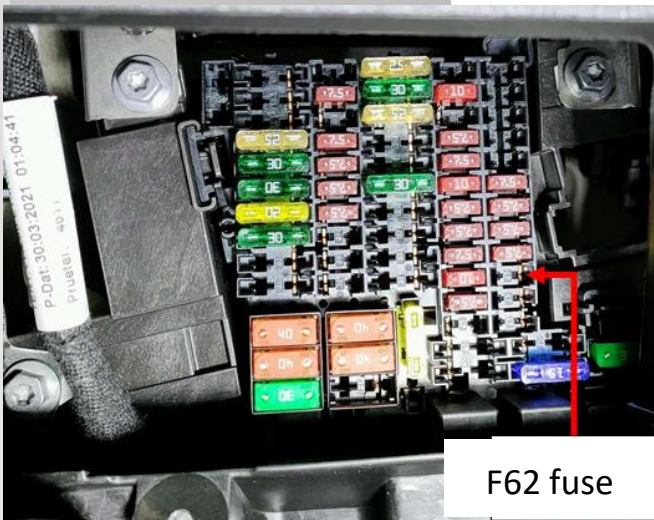
Control box wiring



C-5

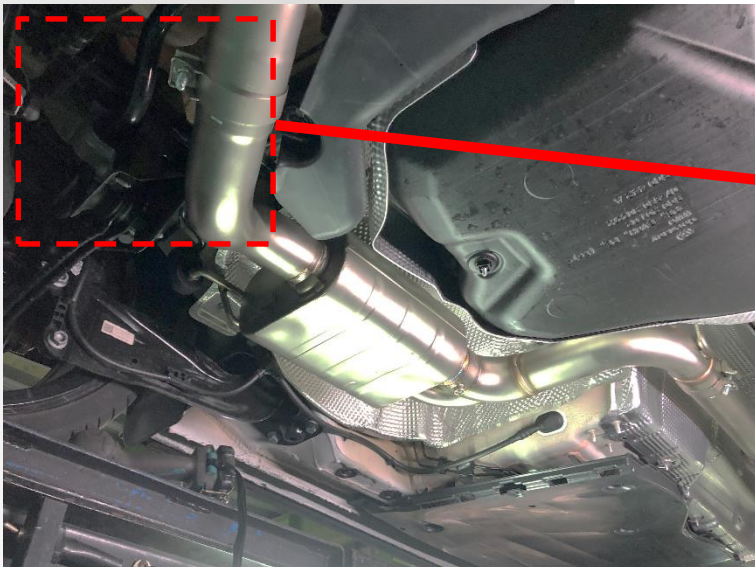
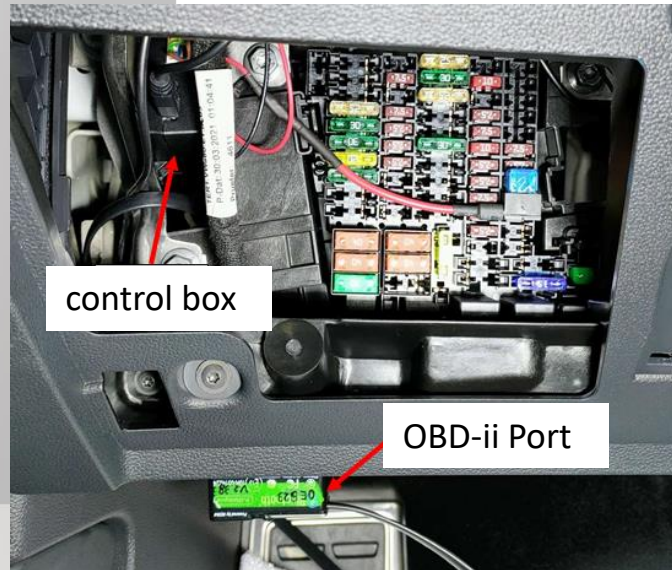
Positive:

- Found F62 fuse location and make sure having power when the ignition on), connect the positive red wire.
- Connect the negative black wire to the screw on the top left of the fuse box.



C-6

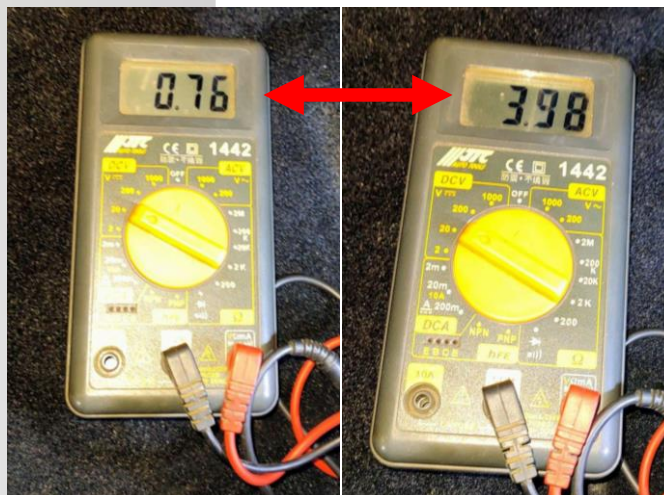
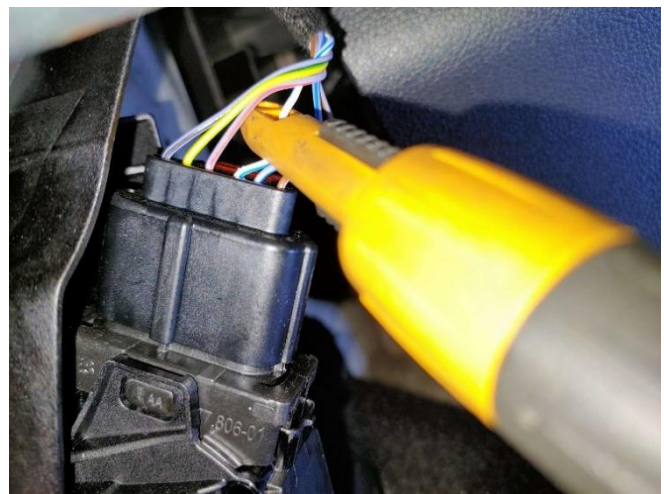
Plug in the OBD-ii and arrange the wiring, connect the power to the solenoid.



C-7

Control box acceleration signal

- Find out the gas signal plug
- Use the electric meter to connect the no.4 white wire
- Turn on the ignition and press the gas paddle and make sure the voltage is between 0.7V-4V
- The rest of the steps are the same as the installation method of OBD-ii valve control system, please refer to the previous instructions.



- We offer a 1 Year limited warranty with unlimited mileage. The warranty is void if the defect is caused by customer's abuse, negligence, or mishandling. Customers are responsible for the shipping costs for warranty claims. Labor costs and inconvenience caused are not included in our warranty claim. Please contact the original dealer for warranty details.
- While Innotech Performance Exhaust systems undergo long term product testing for each of our product, Innotech Performance Exhaust (iPE) does not hold any responsibility for any engine, emission and any other exhaust related engine or drivetrain failure. This is because of the different types of condition and equipment that each car carries and owner operation. Our systems are designed for "off-road" use only.

- With our exhaust system, you will learn to enjoy your car again with our patented sound waves and the performance gain in a exhaust system. With proper use our exhaust system will last the lifetime of your vehicle.
- Due to construction of the exhaust system, there will be a break in period for our muffler to settle in. This process is approximated around 300 miles or about 500 km. After this period, the sound level and tone will settle to its normal level.
- Periodic cleaning is needed to keep the appearance of your exhaust tips. Especially in area where road salt or sand is used. Extra care in cleaning should be taken if your vehicle is driven in these region. Use soap and water mix to do lighter cleaning and car wax for harsher cleaning only if necessary.