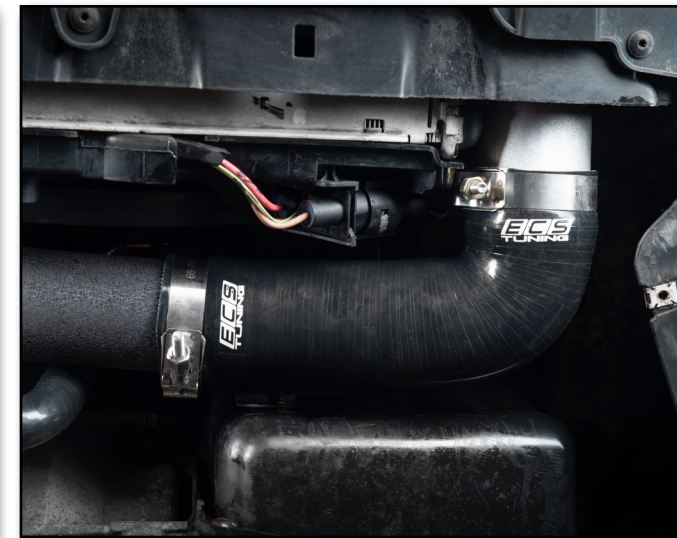
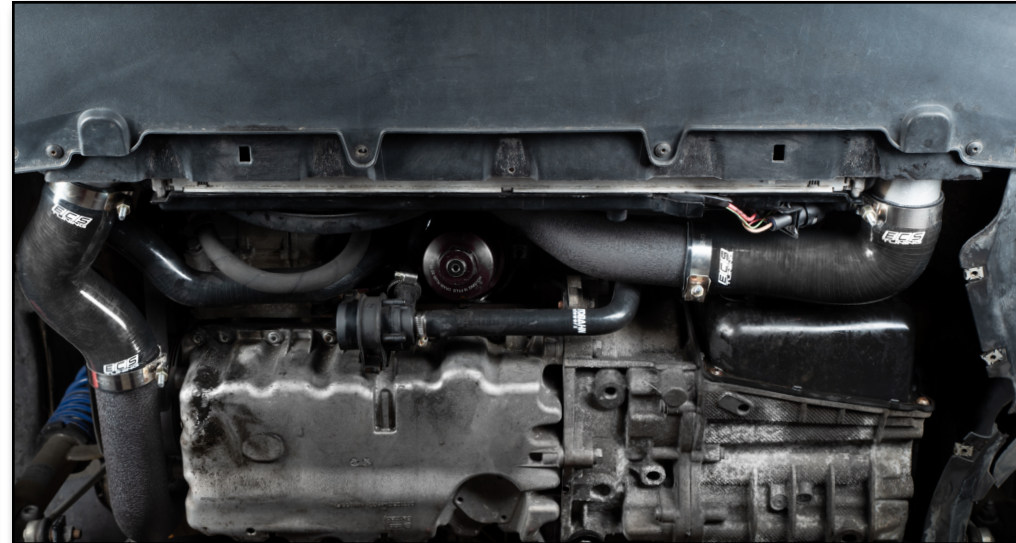




VW 2.0T FSI Charge Pipe Kit Installation Instructions - [Click HERE to Shop](#)



Skill Level
1 - Easy
Basic Skills
Required



Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

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AVAILABLE KITS



Turbo Outlet Pipe Kit



Throttle Pipe Kit



Charge Pipe Kit

KIT CONTENTS

Turbo Muffler Delete



Turbo Outlet Coupler



Turbo Outlet Pipe



Intercooler Inlet Coupler



Throttle Body Coupler



Throttle Pipe



Intercooler Outlet Coupler



Intercooler Adapter

REQUIRED TOOLS

Note: The tools required for each step will be listed by the step number throughout these instructions.

Standard Automotive Tools

- **Protecta-Sockets (for lug nuts)** [ES#2221243](#)
- **3/8" Drive Ratchet** [ES#2765902](#)
- 3/8" Drive Torque Wrench [ES#2221245](#)
- **3/8" Drive Deep and Shallow Sockets** [ES#2763772](#)
- **3/8" Drive Extensions** [ES#2804822](#)
- **Hydraulic Floor Jack** [ES#2834951](#)
- **Torx Drivers and Sockets** [ES#11417/8](#)
- 1/2" Drive Deep and Shallow Sockets [ES#2839106](#)
- 1/2" Drive Ratchet
- 1/2" Drive Extensions
- 1/2" Drive Torque Wrench [ES#2221244](#)
- 1/2" Drive Breaker Bar [ES#2776653](#)
- Bench Mounted Vise
- Crows Foot Wrenches
- **Hook and Pick Tool Set** [ES#2778980](#)

Required For This Install

- **1/4" Drive Ratchet** [ES#2823235](#)
- **1/4" Drive Deep and Shallow Sockets** [ES#2823235](#)
- **1/4" Drive Extensions** [ES#2823235](#)
- Plier and Cutter Set [ES#2804496](#)
- **Flat and Phillips Screwdrivers** [ES#2225921](#)
- **Jack Stands** [ES#2763355](#)
- Ball Pein Hammers
- Pry Bar Set [ES#1899378](#)
- Electric/Cordless Drill
- Wire Strippers/Crimpers
- Drill Bits
- Punch and Chisel Set
- Hex Bit (Allen) Wrenches and Sockets [ES#11420](#)
- Thread Repair Tools [ES#1306824](#)
- Open/Boxed End Wrench Set [ES#2765907](#)

Available On Our Website

INSTALLATION NOTES

- **RH** refers to the *passenger side* of the vehicle.
- **LH** refers to the *driver side* of the vehicle.
- Always use the proper torque specifications.
- If applicable to this installation, torque specifications will be listed throughout the document and at the end as well.
- Please read all of these instructions and familiarize yourself with the complete process **BEFORE** you begin.

GENERAL PREPARATION AND SAFETY INFORMATION

ECS Tuning cares about your health and safety, please read the following safety information. This information pertains to automotive service in general, and while it may not pertain to every job you do, please remember and share these important safety tips.

- Park your car in a safe, well lit, level area.
- Shut the engine off and remove the key from the ignition switch.
- Make sure any remote start devices are properly disabled.
- **ALWAYS** wear safety glasses.
- Make sure the parking brake is applied until the vehicle is safely lifted and supported.
- Whether lifting a vehicle using an automotive lift or a hydraulic jack, be sure and utilize the factory specified lift points.
- Lifting a vehicle in an incorrect location can cause damage to the suspension/running gear.
- **ALWAYS** support the vehicle with jack stands.
- **ALWAYS** read and follow all safety information and warnings for the equipment you are using.



NEVER get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.

THROTTLE PIPE INSTALLATION

Step 1: Angled Pick

Pull up on the retaining clip (arrow) and pull the hose out of the noise pipe.



On MK6 Golf Rs there will be a diverter valve hose in place of the noise pipe hose.



Step 2: Spring Clamp Pliers

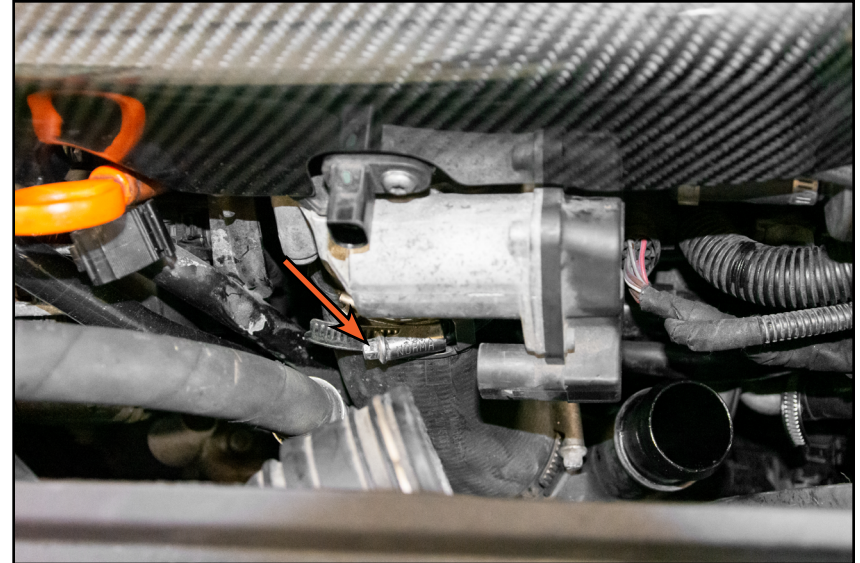
Release the spring clamp (not shown) which secures the noise pipe hose (or diverter valve hose) to the top of the charge pipe, then pull up to remove the hose.



THROTTLE PIPE INSTALLATION

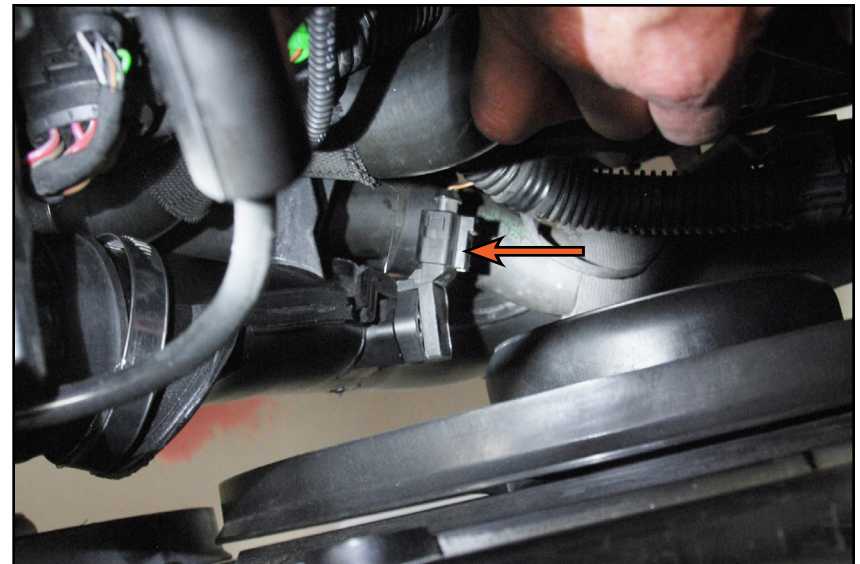
Step 3: 7mm Socket & Ratchet -OR- Flat Head Screwdriver

Working from the top, loosen the clamp (arrow) which secures the charge pipe to the throttle body.



Step 4:

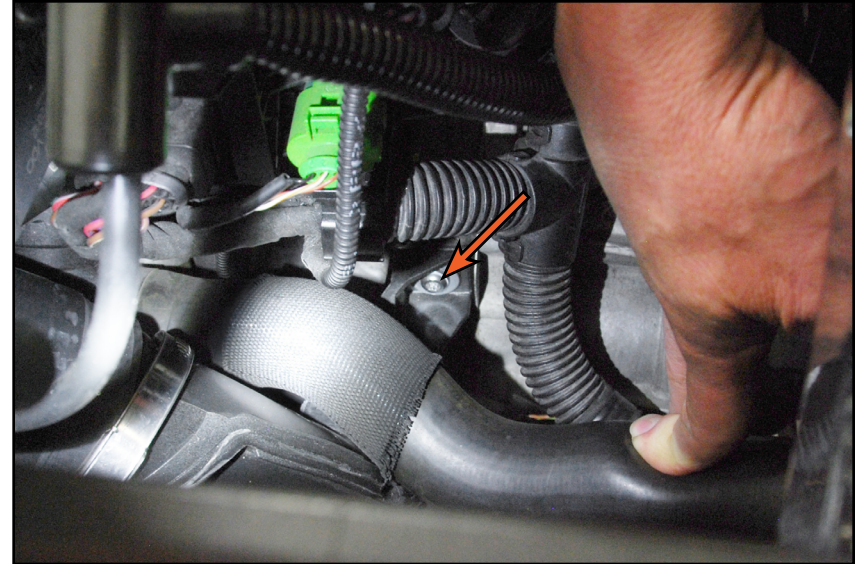
Looking down the charge pipe, locate and disconnect the MAP sensor connector (arrow).



THROTTLE PIPE INSTALLATION

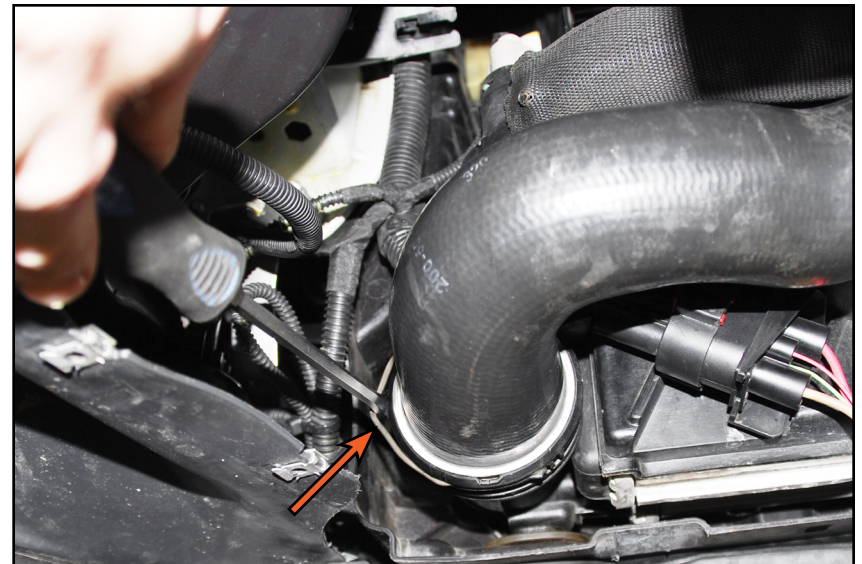
Step 5: T30 Torx

Loosen the upper mounting bolt on the charge pipe, located near the MAP sensor on the front of the engine.



Step 6: 7mm Socket & Ratchet -OR- Flat Head Screwdriver

Depending on your vehicle, loosen the clamp or pull the retaining clip (arrow) free to remove the charge pipe.



THROTTLE PIPE INSTALLATION

Step 7: T30 Torx

Loosen the lower mounting bolt (arrow), then pull the charge pipe off of the intercooler outlet



Step 8:

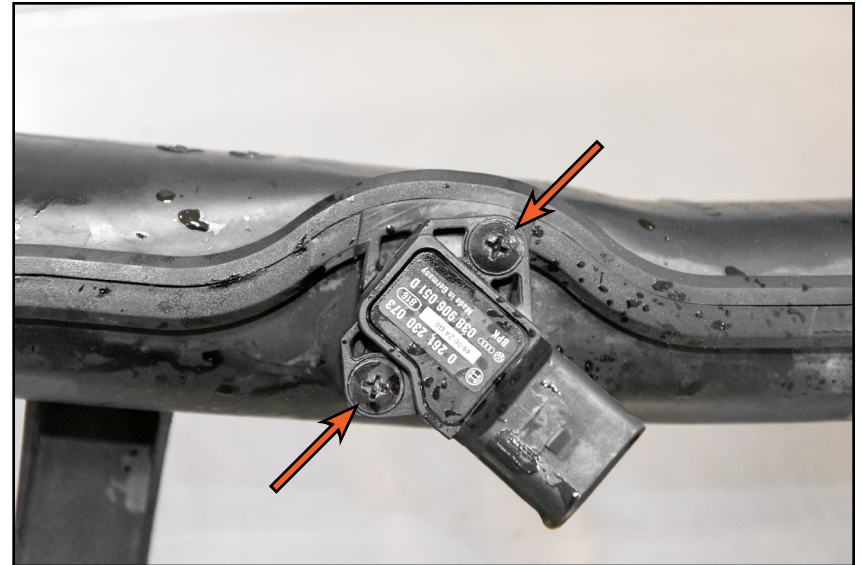
Carefully guide the charge pipe down and out of the vehicle as shown.



THROTTLE PIPE INSTALLATION

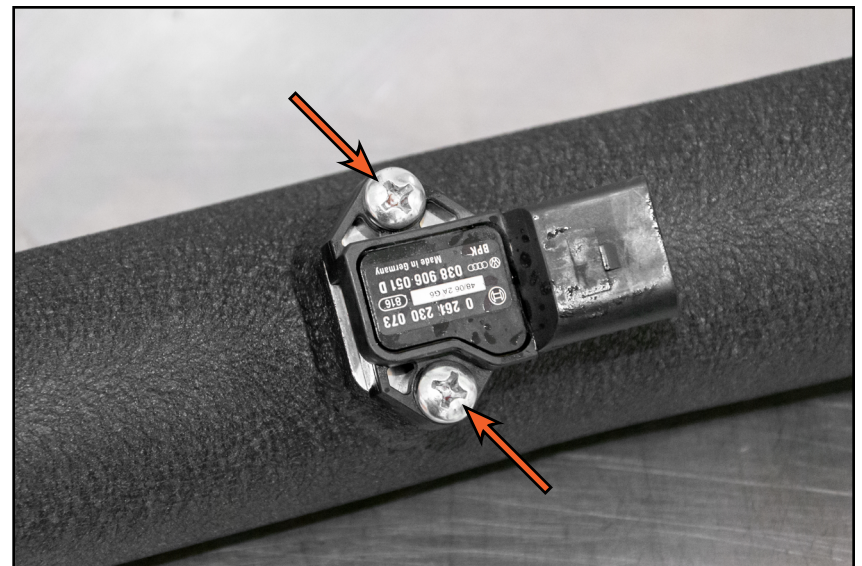
Step 9: Phillips Head Screwdriver

Remove the two screws (arrows) which secure the MAP sensor to the stock charge pipe.



Step 10: Phillips Head Screwdriver

Transfer the MAP sensor to the new charge pipe and secure it in place with the provided screws (arrows).



THROTTLE PIPE INSTALLATION

Step 11:

Slide the throttle body coupler into place with the two provided clamps (arrows). Angle the clamps so that you can still access them with the charge pipe in place.



Step 12:

Lift the charge pipe up into the vehicle from below and push it into the throttle body coupler as far as it will go. Leave the clamps loose for now.



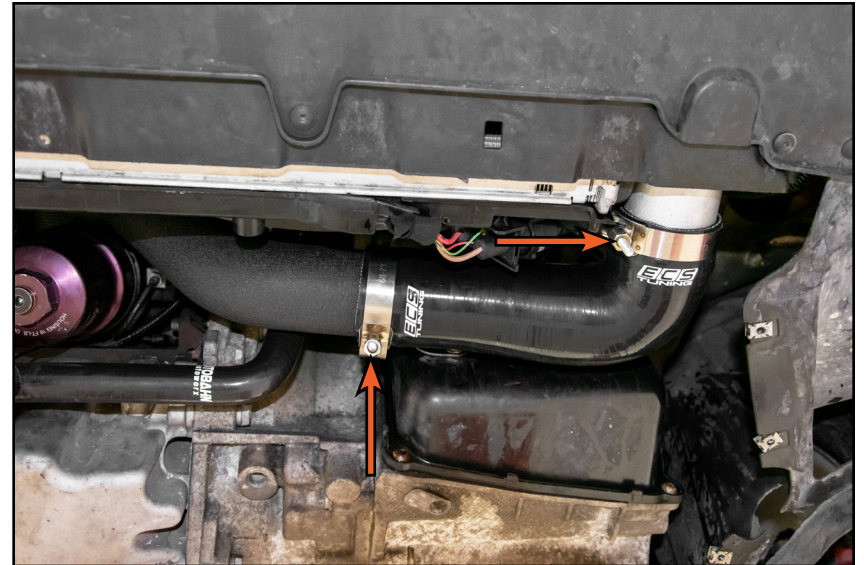
On all vehicles except MK6 Golf R: if your vehicle is equipped with an OE intercooler, transfer the green O-ring from the OE charge pipe to the provided intercooler adapter (inset photo), then install the adapter into the intercooler.



THROTTLE PIPE INSTALLATION

Step 13: 12mm Socket & Ratchet

Install the intercooler outlet coupler between the charge pipe and intercooler outlet using the provided clamps. Adjust the charge pipe to achieve maximum clearance for the fans and any surrounding components before fully tightening all of the clamps.



Step 14: Spring Clamp Pliers

Reinstall the noise pipe hose onto the new charge pipe using the spring clamp, then push the hose into the noise pipe and reinstall the clip (arrow).



If you are installing this kit on a MK6 Golf R: Reinstall the diverter valve hose onto the new charge pipe.



TURBO OUTLET PIPE INSTALLATION

Step 1: T25 Torx

Remove the RH wheel. Remove the four screws (circled in **RED**) which secure the RH lower fender liner to the fenderwell. There are three additional screws (not shown) which secure the underside of the fender liner to the vehicle as well. Remove the lower fender liner.

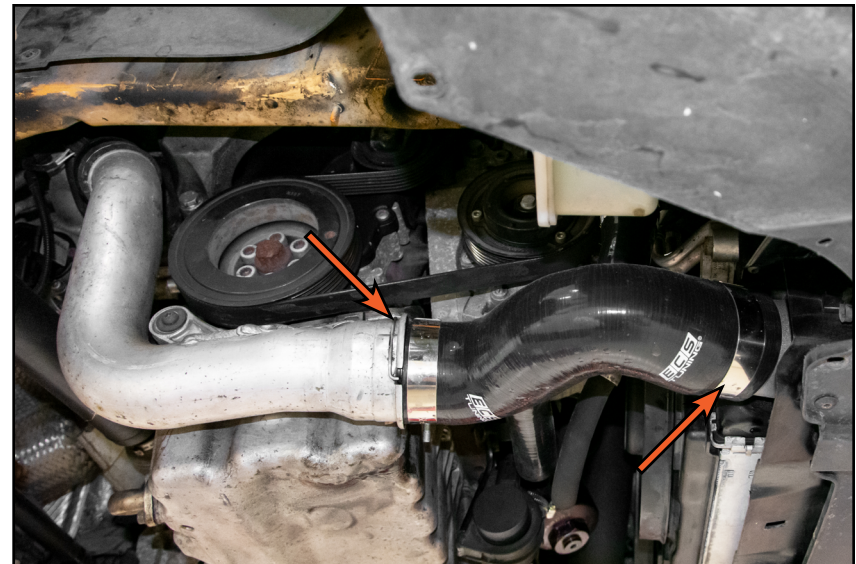


Step 2: Angled Pick

Pull the two retaining clips (arrow) free, then remove the intercooler inlet hose.



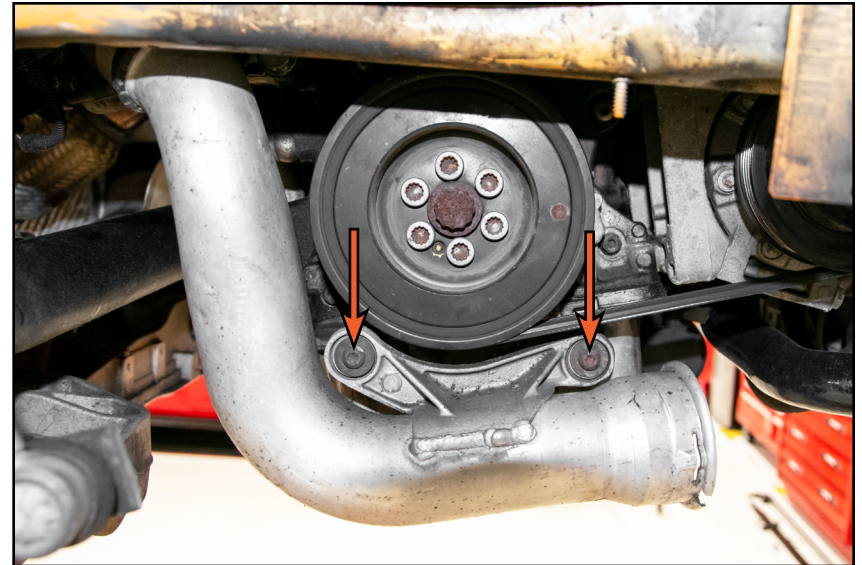
Depending on your vehicle the inlet hose may be secured to the intercooler with a clamp instead.



TURBO OUTLET PIPE INSTALLATION

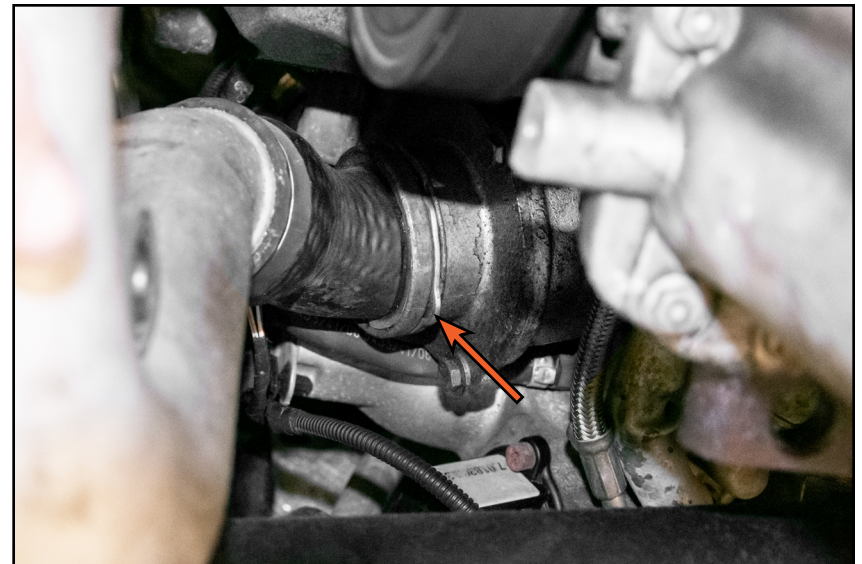
Step 3: T30 Torx

Remove the two bolts (arrows) which secure the turbo outlet pipe to the engine, and set them aside.



Step 4: Angled Pick

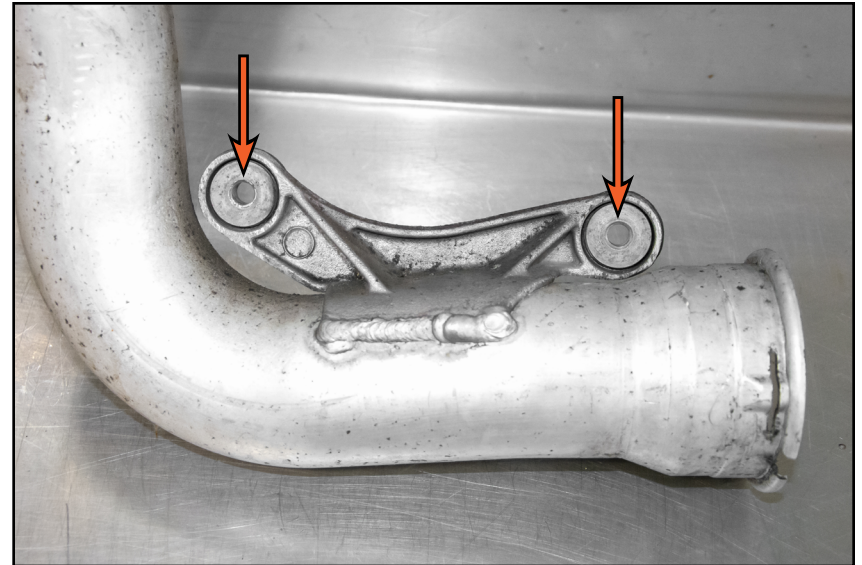
Looking up the turbo outlet pipe, pull the retaining wire (arrow) free and pull the turbo outlet pipe out of the turbo.



TURBO OUTLET PIPE INSTALLATION

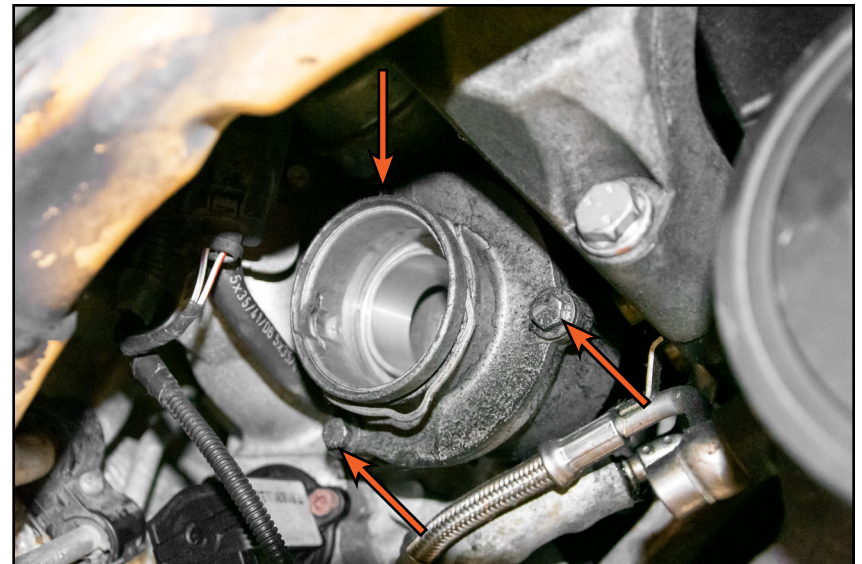
Step 5:

Carefully pry the rubber mounts with aluminum sleeves out of the turbo outlet pipe and transfer them to the new turbo outlet pipe.



Step 6: 10mm Socket & Ratchet

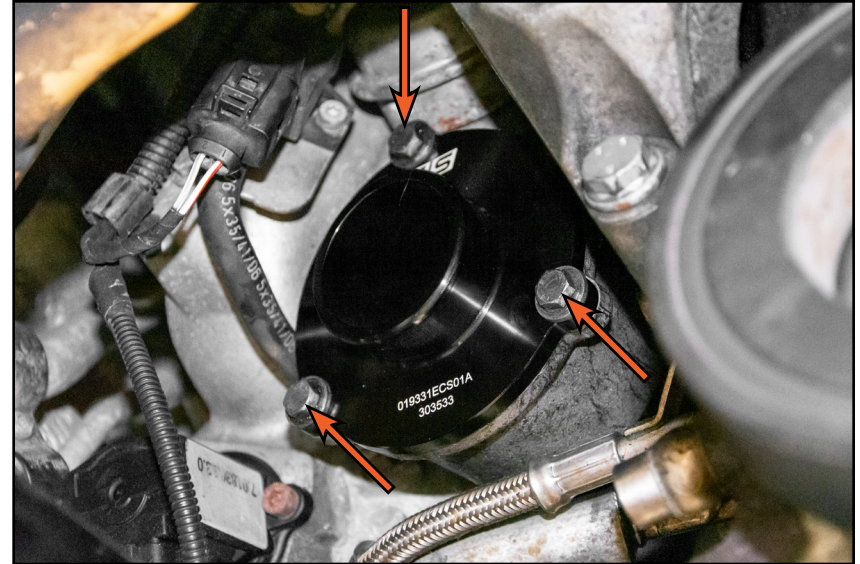
Loosen the three bolts (arrows) and pull the turbo muffler out of the turbo.



TURBO OUTLET PIPE INSTALLATION

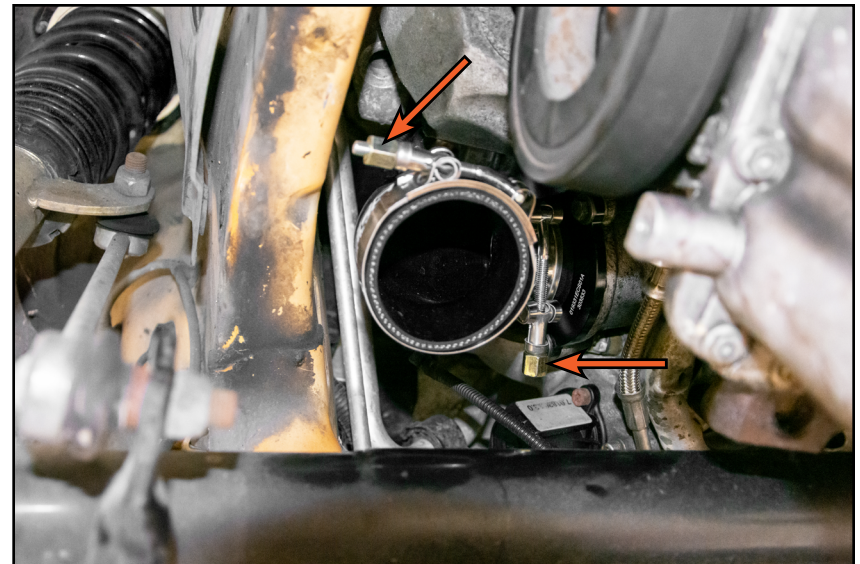
Step 7: 10mm Socket & Ratchet

Install the new turbo muffler delete into the turbo, reinstall the bolts (arrows), and tighten them until snug. Be careful not to over-torque the bolts.



Step 8:

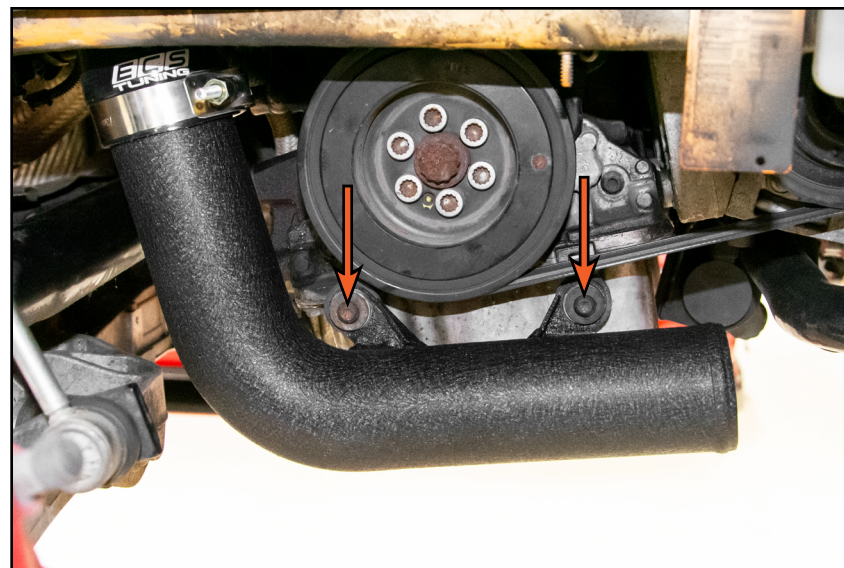
Slide the turbo outlet coupler and clamps (arrows) onto the turbo muffler delete as shown.



TURBO OUTLET PIPE INSTALLATION

Step 9: T30 Torx, 12mm Socket & Ratchet

Slide the turbo outlet pipe up into the turbo outlet coupler, then reinstall the mounting bolts (arrows) to secure it into place. Go back and tighten both clamps until fully snug.

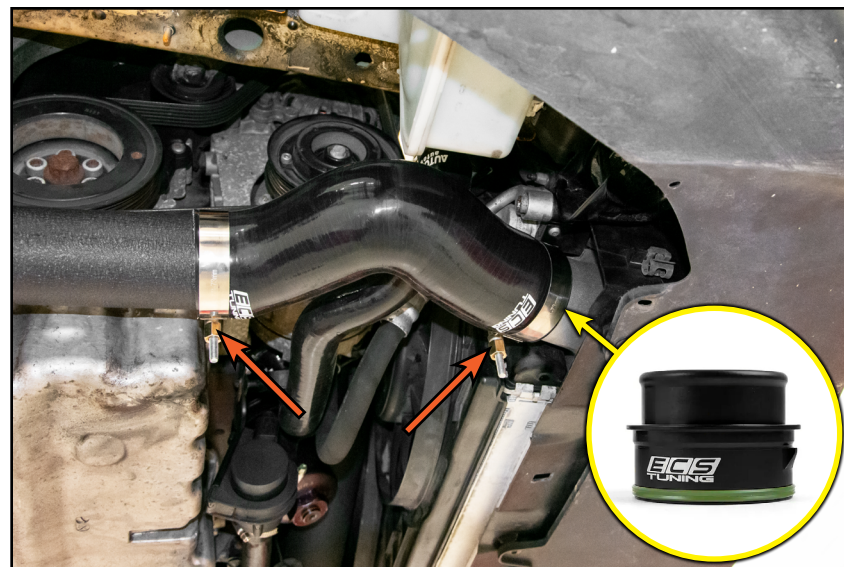


Step 10: 12mm Socket & Ratchet

Install the intercooler inlet coupler between the turbo outlet pipe and the intercooler inlet using the provided clamps. Adjust the coupler to achieve maximum clearance for surrounding components, then fully tighten all the clamps.



On all vehicles except MK6 Golf R: if your vehicle is equipped with an OE intercooler, transfer the green O-ring from the OE charge pipe to the provided intercooler adapter (inset photo), then install the adapter into the intercooler.



Congratulations, your installation is complete!

Your Charge Pipe Kit installation is complete!



These instructions are provided as a courtesy by ECS Tuning

Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

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