

VW/Audi MQB Big Bore Turbo Inlet Pipe Installation Instructions - **ES3604024**

Skill Level 1 - Easy



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SIZE COMPARISON



Stock Turbo Inlet Pipe



ECS Big Bore Turbo Inlet Pipe

SHOP SUPPLIES AND MATERIALS

Standard Shop Supply Recommendations: We recommend that you have a standard inventory of automotive shop supplies before beginning this or any automotive repair procedure. The following list outlines the basic shop supplies that we like to keep on hand. Shop supplies with a hyperlink are available on our website.

- Hand Cleaner/Degreaser - [Click Here](#)
- Pig Mats - for protecting your garage floor and work area from spills and stains - [Click Here](#)
- Spray detailer - for rapid cleaning of anything that comes into contact with your paint such as brake fluid - [Click Here](#)
- Micro Fiber Towels - for cleaning the paint on your car - [Click Here](#)
- Latex Gloves - for the extra oily and dirty jobs - [Click Here](#)
- Medium and High Strength Loctite Thread lock compound - to prevent bolts from backing out - [Click Here](#)
- Anti-Seize Compound - to prevent seizing, galling, and corrosion of fasteners - [Click Here](#)
- Aerosol Brake/Parts Cleaner - for cleaning and degreasing parts
- Shop Rags - used for wiping hands, tools, and parts
- Penetrating oil - for helping to free rusted or stuck bolts and nuts
- Mechanics wire - for securing components out of the way
- Silicone spray lube - for rubber components such as exhaust hangers
- Paint Marker - for marking installation positions or bolts during a torquing sequence
- Plastic Wire Ties/Zip Ties - for routing and securing wiring harnesses or vacuum hoses
- Electrical tape - for wrapping wiring harnesses or temporary securing of small components

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.

REMOVING THE ORIGINAL TURBO INLET PIPE

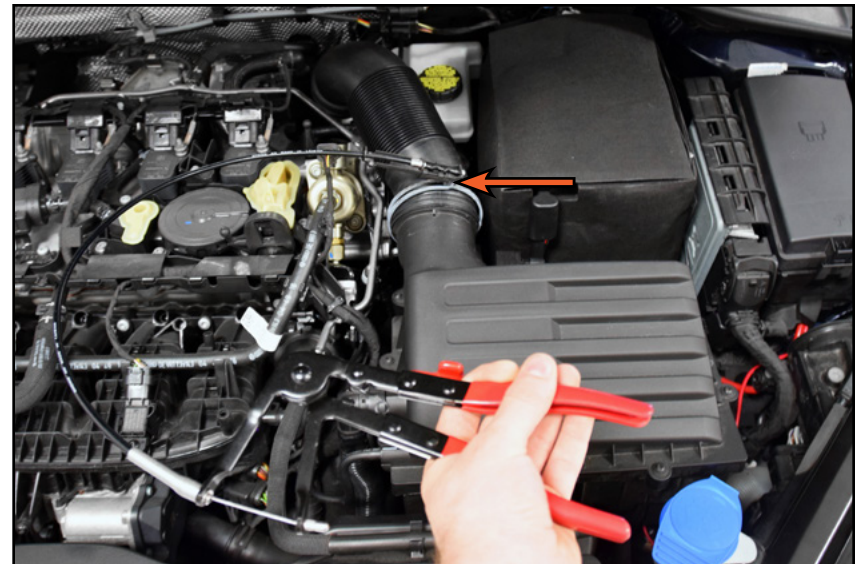
Step 1:

Lift up on the engine cover to pop it free from its mounting grommets.



Step 2: Hose Clamp Pliers

Loosen the hose clamp on the intake tube and pull it off of the air box.



REMOVING THE ORIGINAL TURBO INLET PIPE

Step 3: 7mm Socket & Ratchet

Loosen the hose clamp securing the intake tube to the turbo inlet pipe, then remove the intake tube from the vehicle.

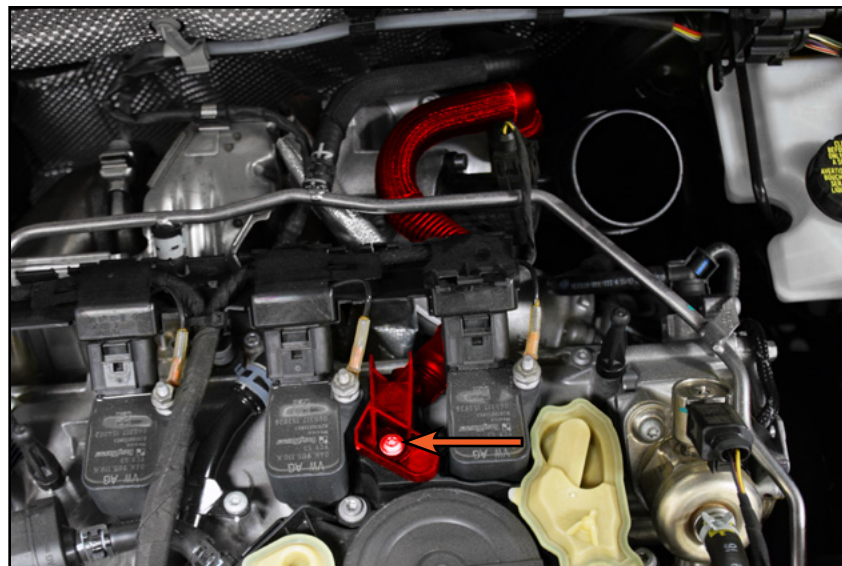


Step 4: T30 Torx

Loosen and remove the screw securing the PCV hose (highlighted in **RED**) to the valve cover.



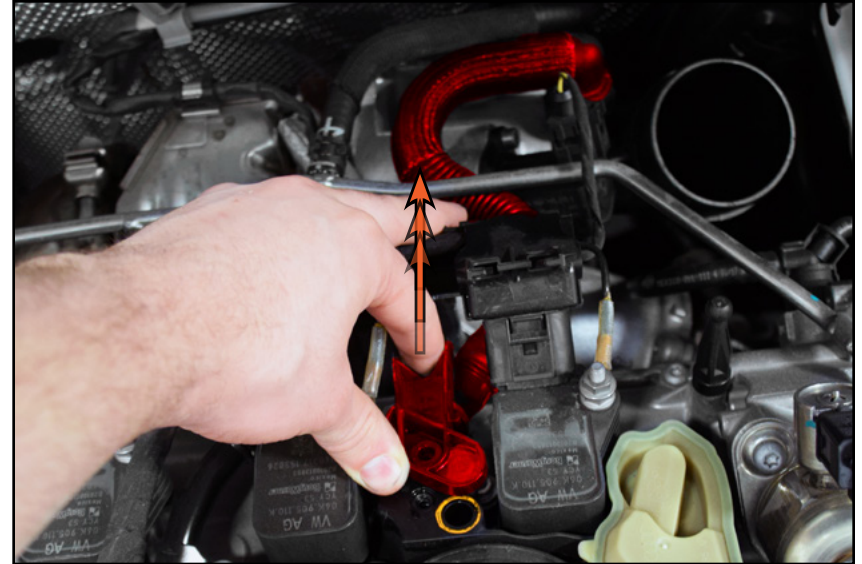
It is possible to remove the PCV fitting from the turbo inlet pipe at this point, however we are going to document removal of the whole PCV hose to help reduce the probability of breaking the PCV hose.



REMOVING THE ORIGINAL TURBO INLET PIPE

Step 5:

Pull the hose out of the PCV valve on the valve cover.



Step 6: T30 Torx

Loosen the captive screw until it no longer engages the threads on the turbo inlet pipe mounting arm, but do not pull the screw out of the turbo housing.



REMOVING THE ORIGINAL TURBO INLET PIPE

Step 7:

Rotate the turbo inlet pipe mounting arm downward then pull the pipe free from the turbo housing.



Step 8:

Carefully guide the turbo inlet pipe and the PCV hose out from the vehicle.



REMOVING THE ORIGINAL TURBO INLET PIPE

Step 9:

Depending on the year of your vehicle, your PCV flange may feature a pinch style fitting (**RED** inset photo) or a constant-pressure style fitting (**BLUE** inset photo). To remove the pinch fitting simply pinch the two sides inward and pull it off the flange. To remove the constant-pressure fitting you will have to apply a good bit of force to pull it off of the flange.

Firmly pull the PCV fitting to pop it off of the flange on the stock turbo inlet pipe. It is important that you are careful when removing this fitting as these fittings are often brittle and if broken, will not seal properly. This may be the perfect time to consider upgrading to our Upgraded PCV Breather Hose Kit ([ES#3177549](#)).



Step 10: Angled Pick

Pull the o-ring out of the groove on the stock turbo inlet pipe.



INSTALLING THE NEW TURBO INLET PIPE

Step 11:

Transfer the o-ring to the groove in the new turbo inlet pipe. Lubricate the o-ring with silicone spray to help make installation easier.



Replacement o-rings are available for purchase [HERE](#).



Step 12: T30 Torx

Route the PCV hose back into place and reinstall and hand tighten the screw.



INSTALLING THE NEW TURBO INLET PIPE

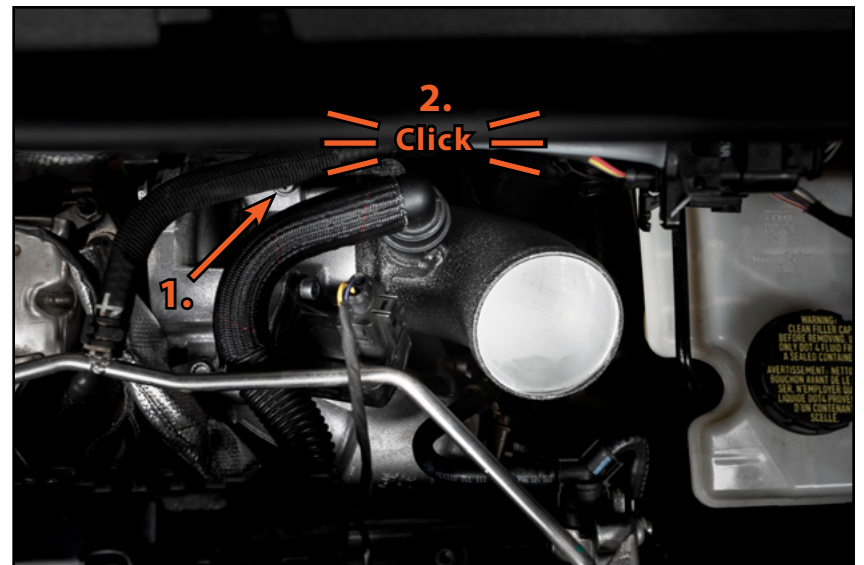
Step 13:

Slide the new turbo inlet pipe into the turbo housing and rotate the mounting arm upward to lock it on place.



Step 14: T30 Torx

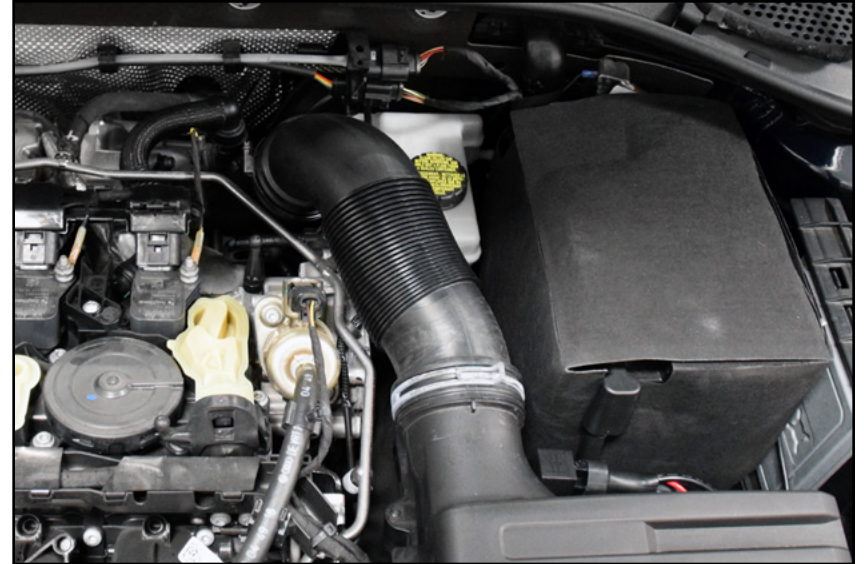
First tighten down the mounting arm retaining screw to 9Nm (80 in-lbs), then push the PCV fitting onto the flange until it pops into place.



INSTALLING THE NEW TURBO INLET PIPE

Step 15: Hose Clamp Pliers, 7mm Socket & Ratchet

Reinstall the intake tube and tighten the clamps to secure it in place.



Step 16:

Reinstall the engine cover by lining it up with the ball studs, and pushing down to pop it in place.



Congratulations, your installation is complete!

SCHWABEN - BUILD THE ULTIMATE TOOL COLLECTION

At ECS Tuning, we carry a line of high quality Schwaben Tools and Equipment to help you build your ultimate tool collection. Never before has affordability and quality been so closely related. Our entire Schwaben line is subjected to strict in house testing for strength and durability. See what we have to offer and equip your garage without breaking the bank.



Your Turbo Inlet Pipe 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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