

PERFORMANCE BY



INSTALLATION GUIDE

iE Air Intake System For VW MK8 Golf R & Audi 8Y S3

IEINDB1



This installation guide is for instructional purposes only. For best results, professional installation by an experienced technician is always recommended. By reading this guide you agree Integrated Engineering is not responsible for any damage or personal injury caused by incorrect installation.

DIFFICULTY



Expect 1.5 hours on average

REQUIRED TOOLS

- T25, T30 Torx drivers
- 2, 2.5, and 4 allen drivers
- Flat Head Screwdriver
- Dremel and Cut off wheel

BEFORE YOU BEGIN

It is highly recommended to pre-read this entire guide ahead of your installation to familiarize yourself with each step. Always park your vehicle in a safe and level location and allow plenty of time for the engine bay and exhaust to completely cool. Locate and prepare your work space with each required tool listed above. Unbox all components and verify the contents and quantities before you begin. If anything is missing or damaged, please contact us for immediate help at support@performancebyie.com

SPECIAL NOTE:

This install guide has been photographed and written on a 2024 Golf R. Some steps and factory hardware specifications may vary depending on vehicle model, year, and region. This guide is for reference purposes only. If you are unsure of the installation procedure for any individual step or part, please seek professional help before proceeding.



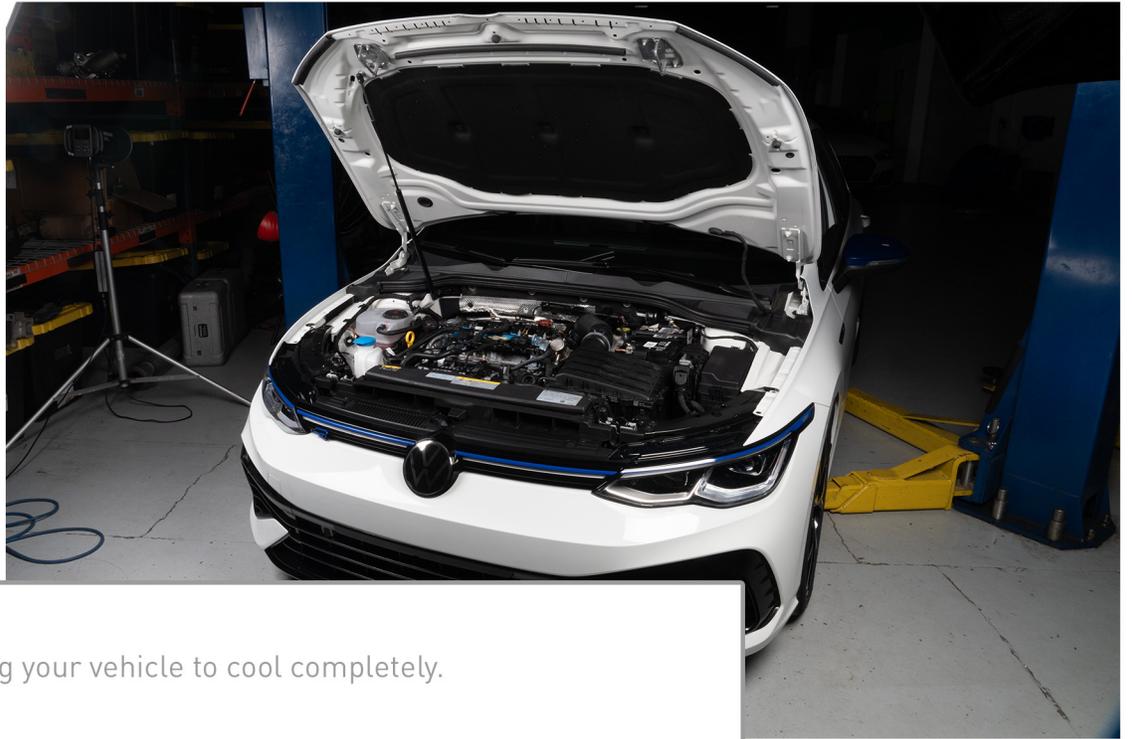
INCLUDED PARTS

- 01 - MK8 / 8Y Sheet Metal Assembly Part A
- 02 - MK8 / 8Y Sheet Metal Assembly Part B
- 03 - MK8 / 8Y Silicone Coolant Hose
- 04 - MK8 R / 8Y S3 Turbo Inlet Pipe
- 05 - MK8 R / 8Y S3 Intake Hard Pipe
- 06 - IE Replacement 5" Air Filter
- 07 - Threaded Grommet For Sheet Metal Components (2x)
- 08 - Button Head Screw, 18-8 SS, M5 X 0.8 MM - 14 MM (2x)
- 09 - BHCS, 18-8 SS, M5 X 0.8 MM - 14 MM (2x)
- 10 - IE CUSTOM MOLDED EPDM INTAKE GROMMET (BLACK, 60 DURO (2x)
- 11 - Threaded Grommet For Sheet Metal Components (2x)
- 12 - SBR Rubber Grommet for vacuum line
- 13 - SBR Rubber Push-In Grommet for 1/2" ID and 1/16" Material (2x)
- 14 - Tight-Seal Bolt Clamps for Soft Hose and Tube (2x)
- 15 - Oil-Resistant Buna-N O-Ring, 3.5 mm Wide, 68 mm ID
- 16 - Metric 18-8 SS Button Head Socket Cap Screw M6 Size, 14 mm (2x)
- 17 - SS Smooth-band Worm-drive Hose Clamp, 3 1/8" To 4" Clamp
- 18 - Metric DIN 125 18-8 SS Flat Washer M6 Screw Size, 12mm OD (6x)
- 19 - Durable Nylon Tight-Seal Barbed Tube Fitting 90 Degree Elbow, 1/4" Tube ID, Blk
- 20 - 20-22mm Tight-Seal Hose Clamp
- 21 - SS Smooth-band Worm-drive Hose Clamp, 2-1/2" To 3-1/2"
- 22 - 18-20mm Tight-Seal Hose Clamp
- 23 - Passivated 18-8 Stainless Steel, M6 x 1 mm Thread, 12mm Long (4x)
- 24 - Metric DIN 125 18-8 Stainless Steel Flat Washer, M5 Screw (2x)

Some items may be partially assembled.

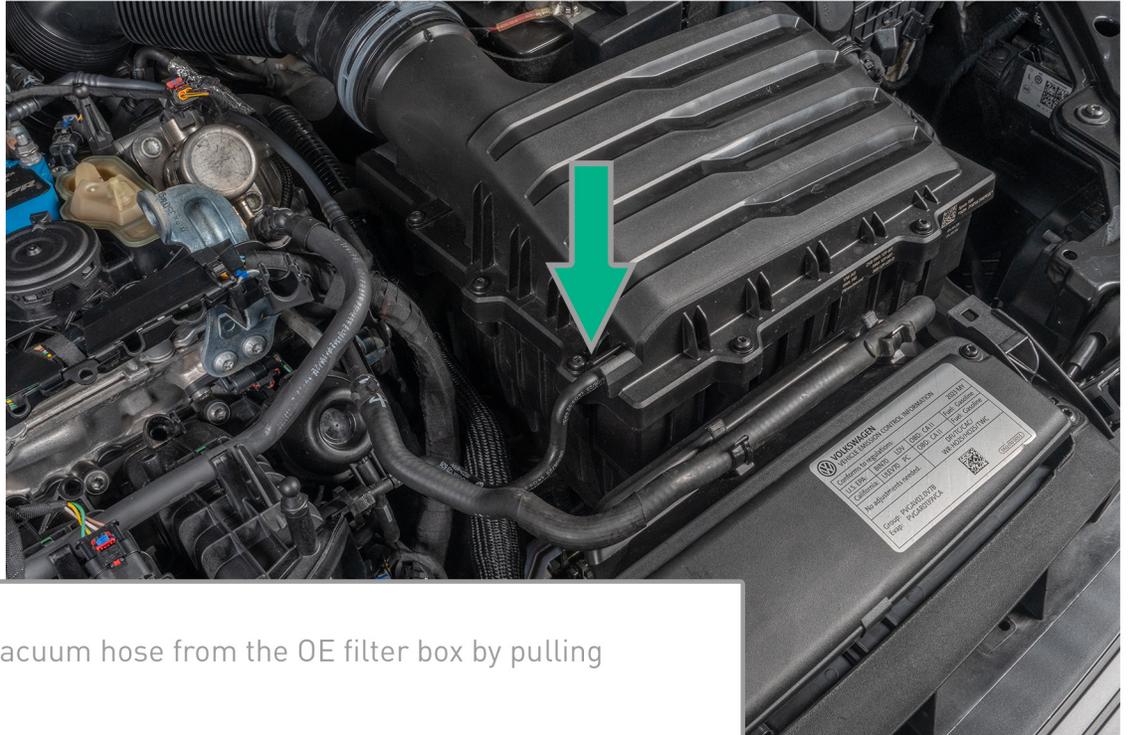


1



Begin by allowing your vehicle to cool completely.

2



Disconnect the vacuum hose from the OE filter box by pulling straight away.

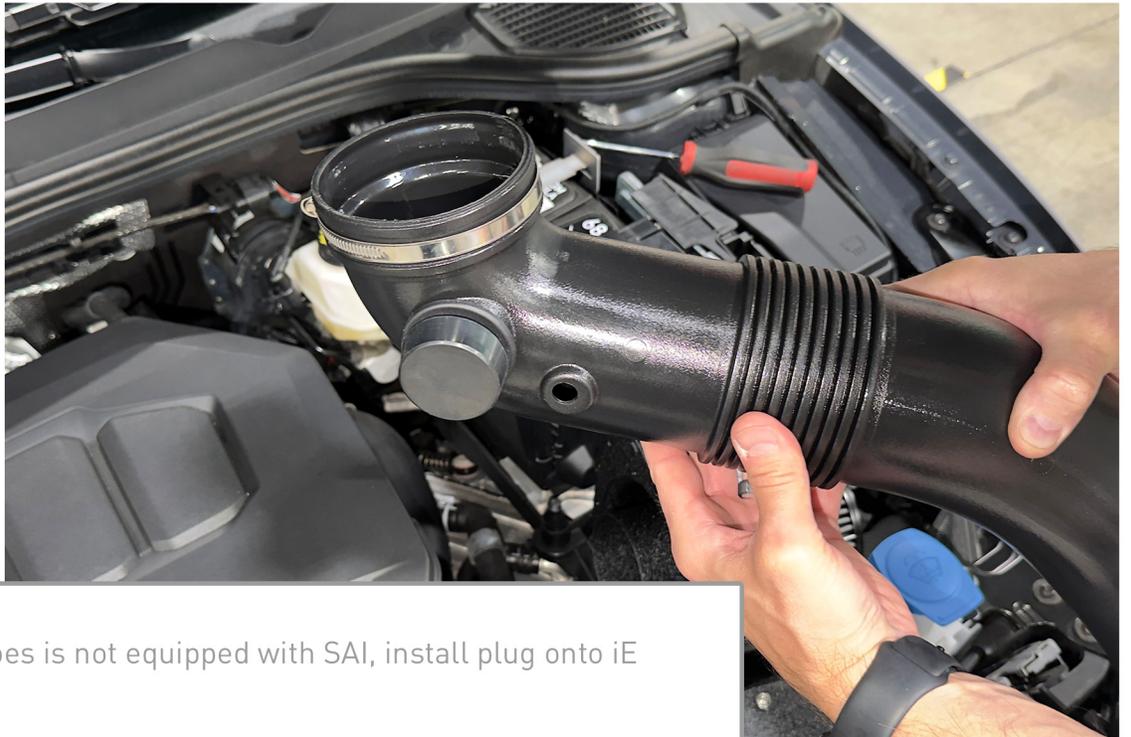


3



Determine if your vehicle is equipped with secondary air injection on your stock airbox. If you do not have SAI on your vehicle, locate the included plug for your iE intake pipe.

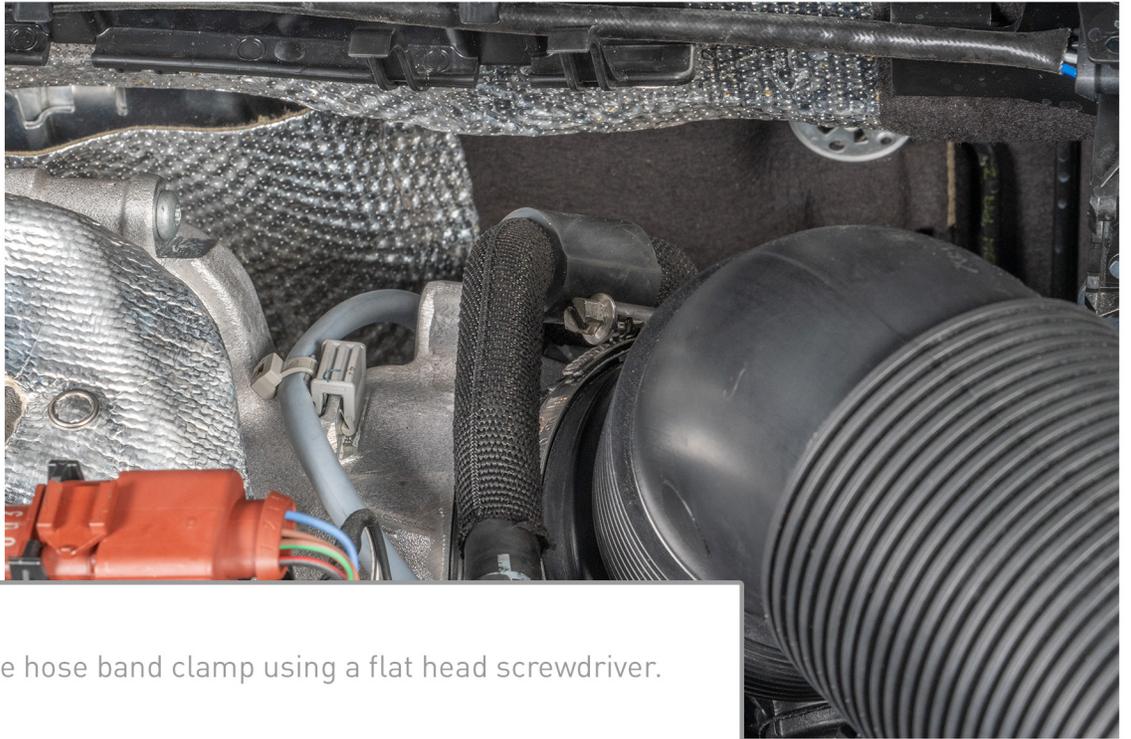
4



If your vehicle does is not equipped with SAI, install plug onto iE intake pipe.

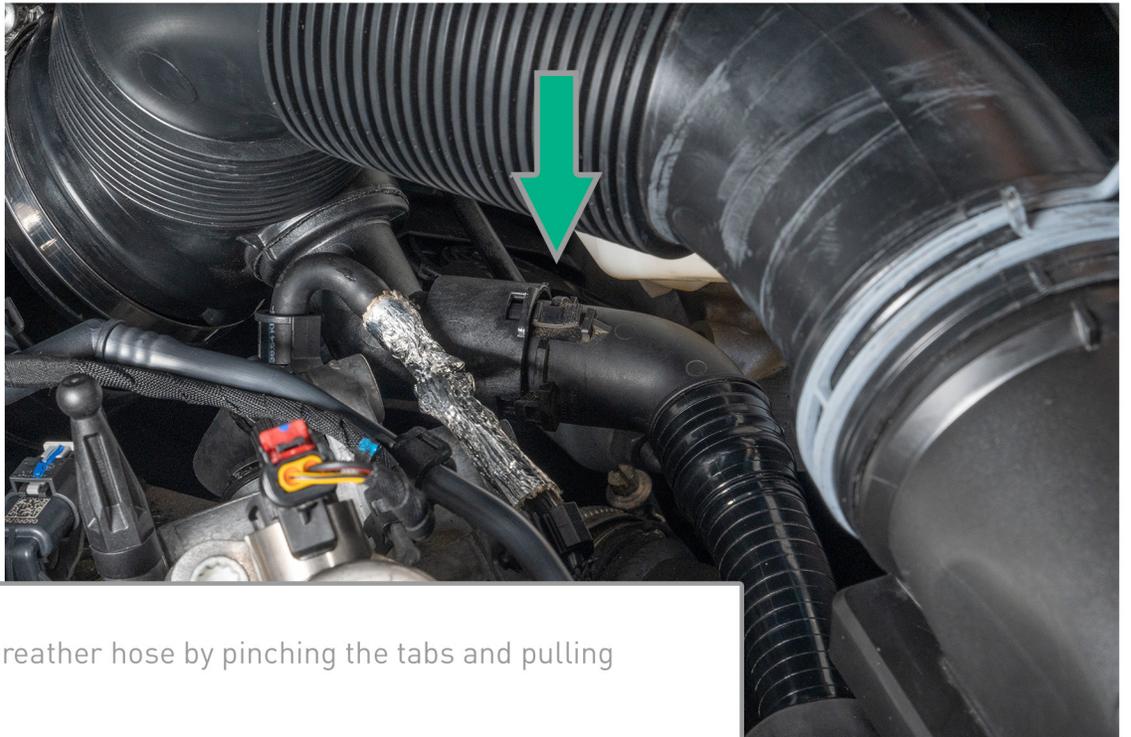


5



Loosen the intake hose band clamp using a flat head screwdriver.

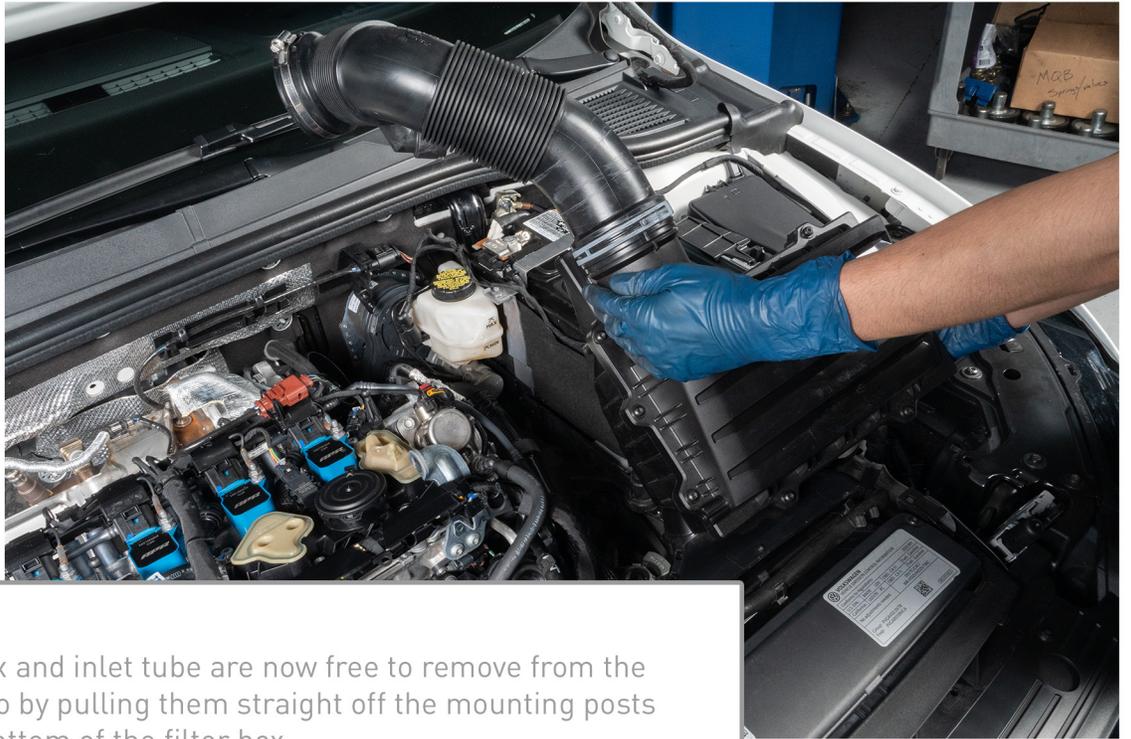
6



Disconnect the breather hose by pinching the tabs and pulling straight away.

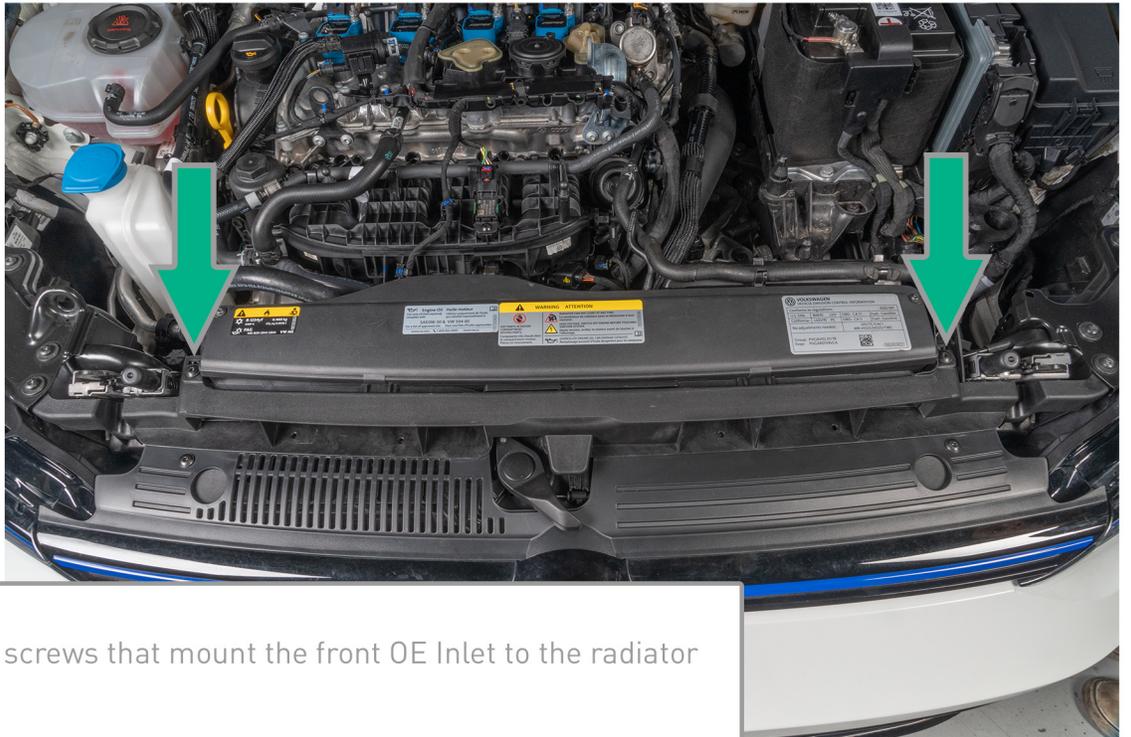


7



The OE Filter box and inlet tube are now free to remove from the engine bay. Do so by pulling them straight off the mounting posts located on the bottom of the filter box.

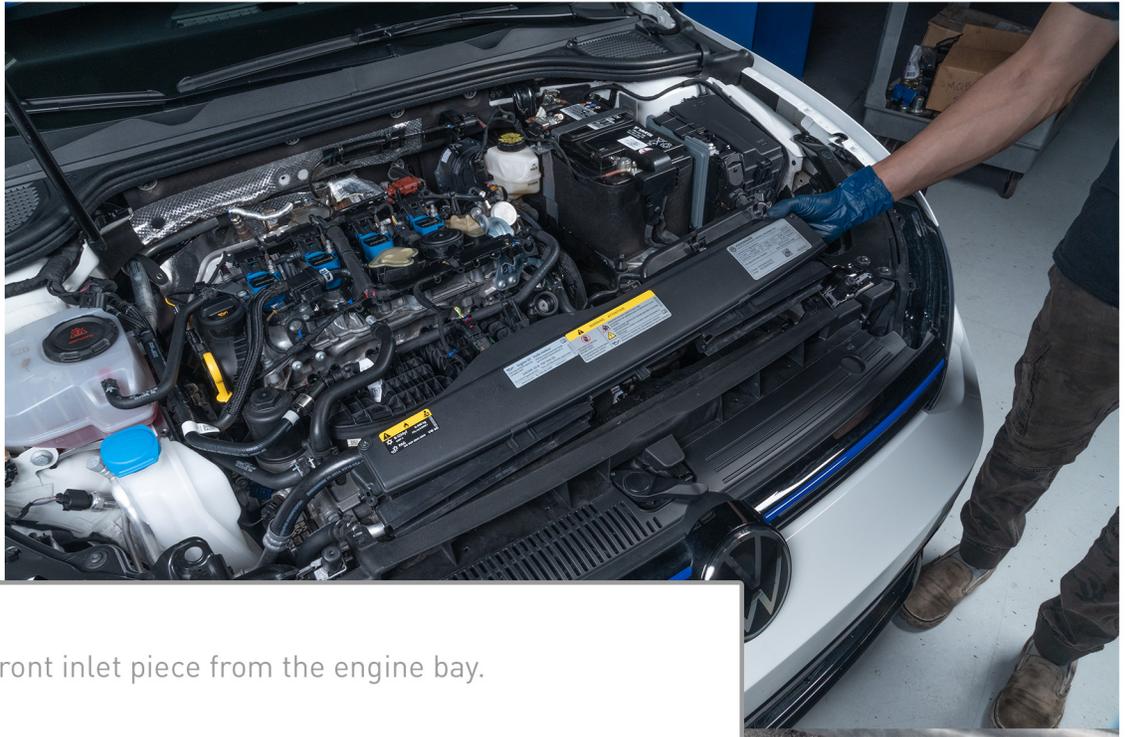
8



Remove two T25 screws that mount the front OE Inlet to the radiator support.

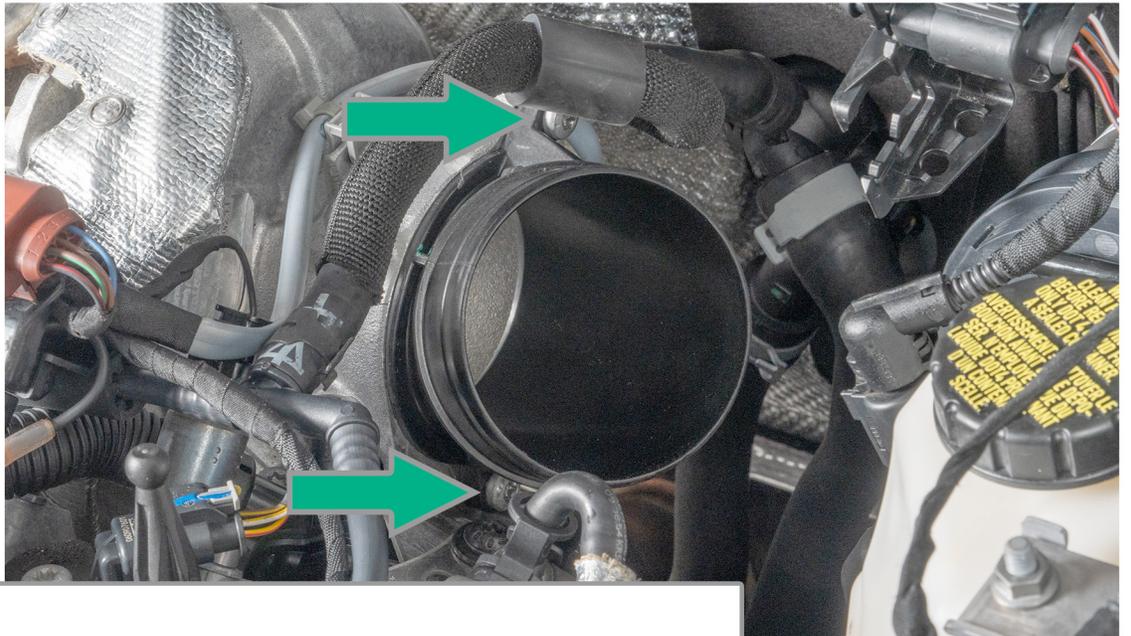


9



Remove the OE front inlet piece from the engine bay.

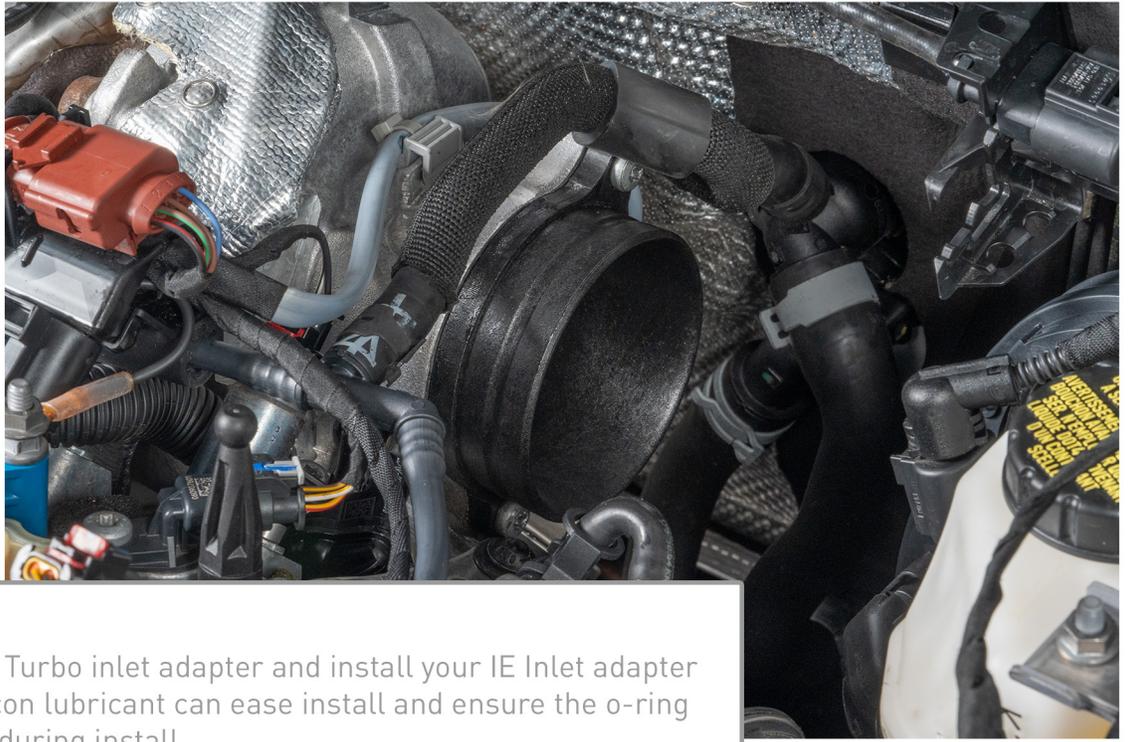
10



Remove two T30 Bolts that secure the OE turbo inlet in place. Set them aside to be reused later.

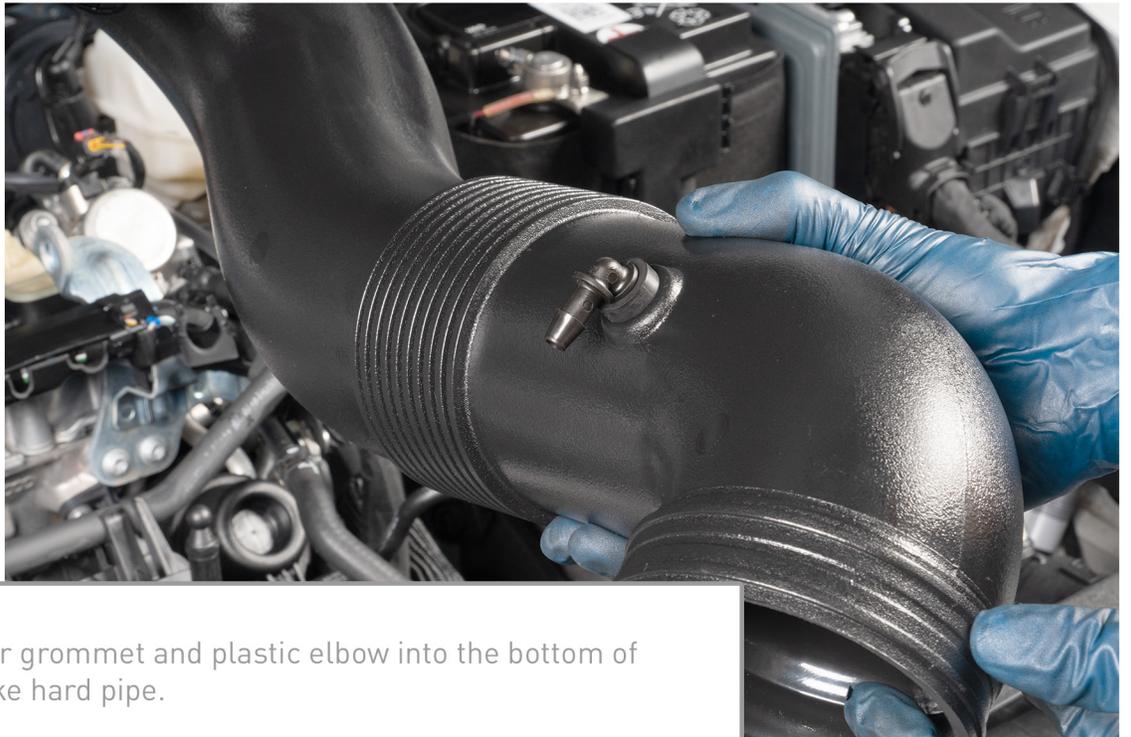


11



Remove your OE Turbo inlet adapter and install your IE Inlet adapter piece. Some silicon lubricant can ease install and ensure the o-ring doesn't get torn during install.

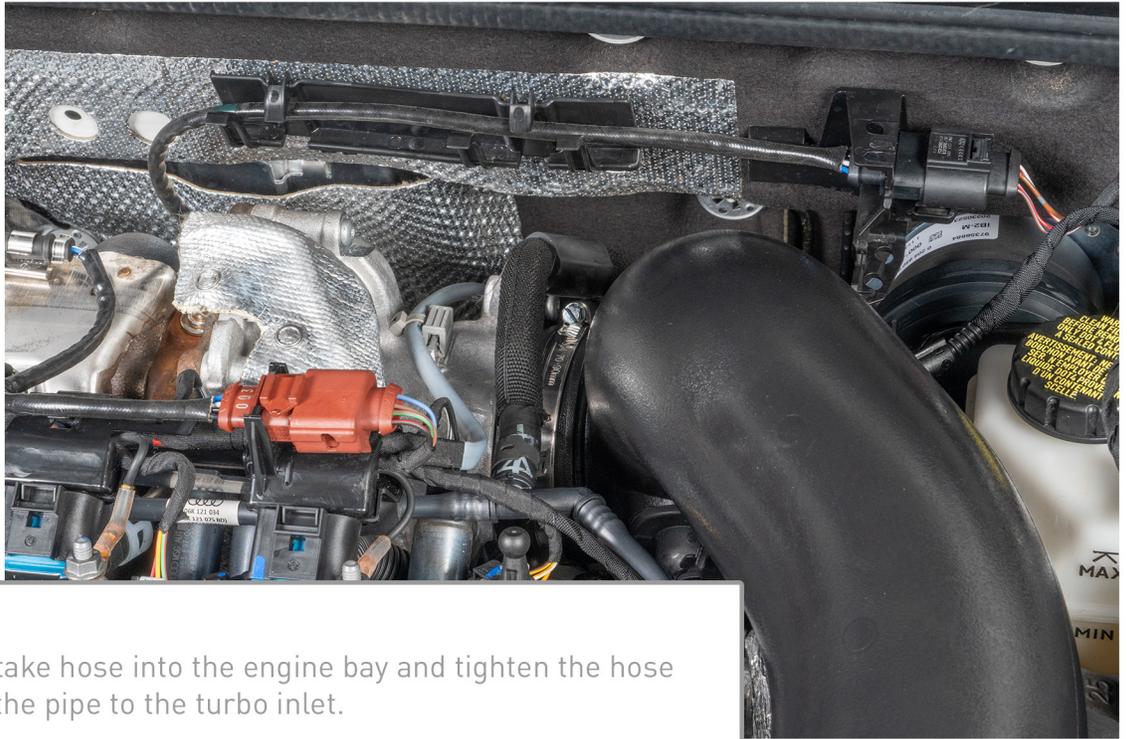
12



Install the rubber grommet and plastic elbow into the bottom of your new iE intake hard pipe.

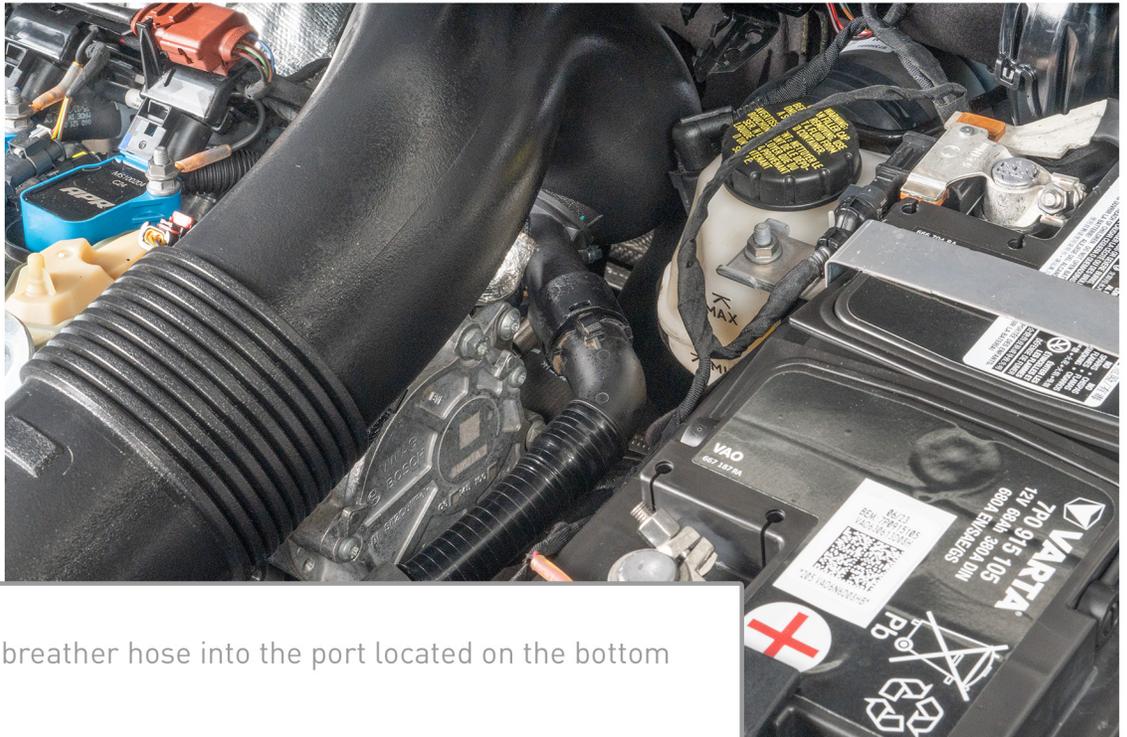


13



Lower your iE intake hose into the engine bay and tighten the hose clamp securing the pipe to the turbo inlet.

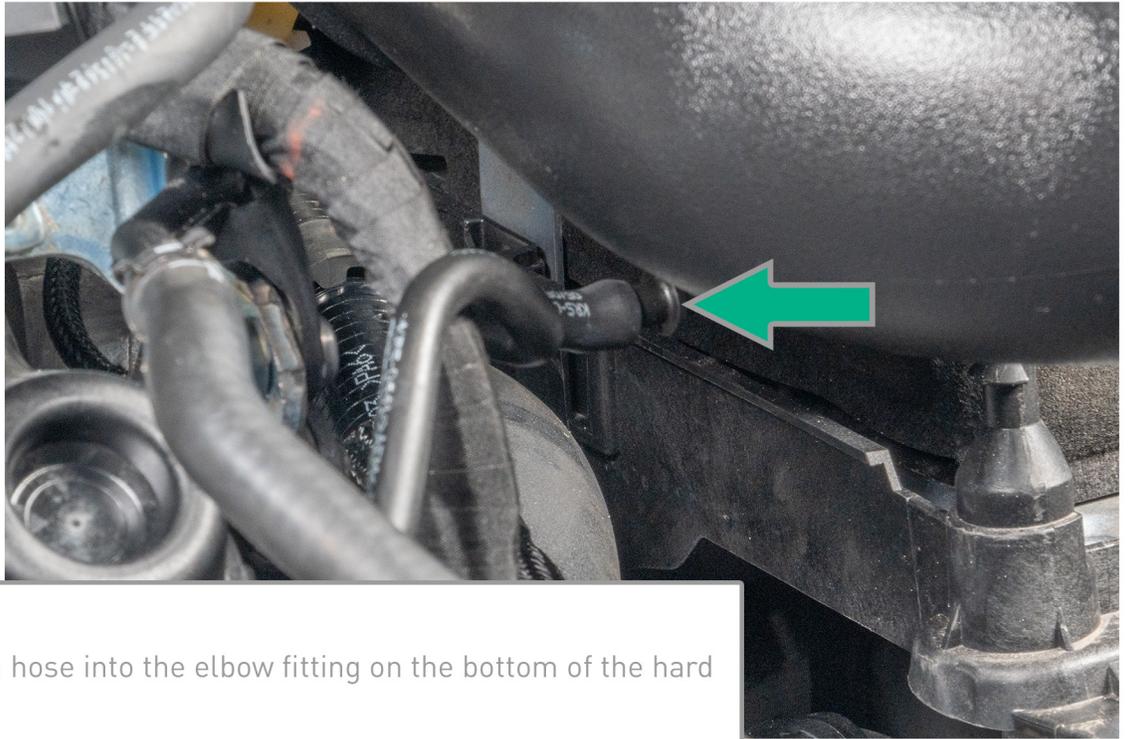
14



Plug back in the breather hose into the port located on the bottom of the hard pipe.

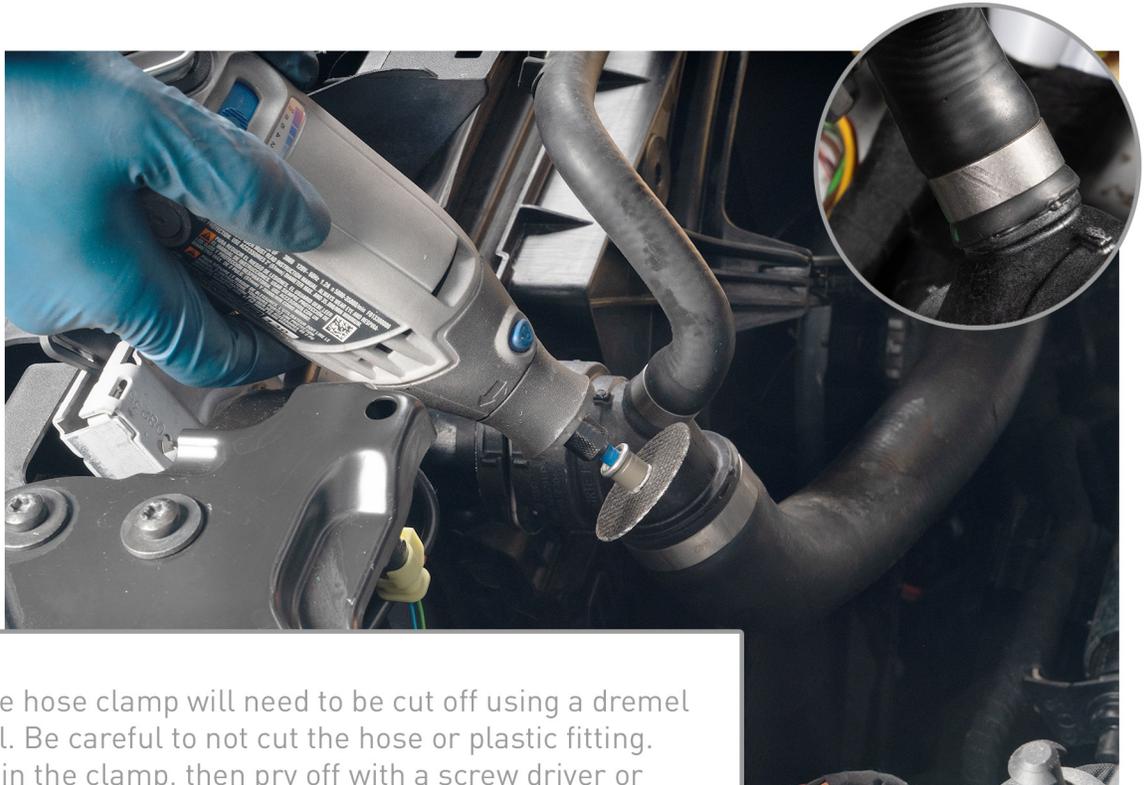


15



Plug the vacuum hose into the elbow fitting on the bottom of the hard pipe.

16



This one time use hose clamp will need to be cut off using a dremel and cut off wheel. Be careful to not cut the hose or plastic fitting. Cut a single line in the clamp, then pry off with a screw driver or pick.

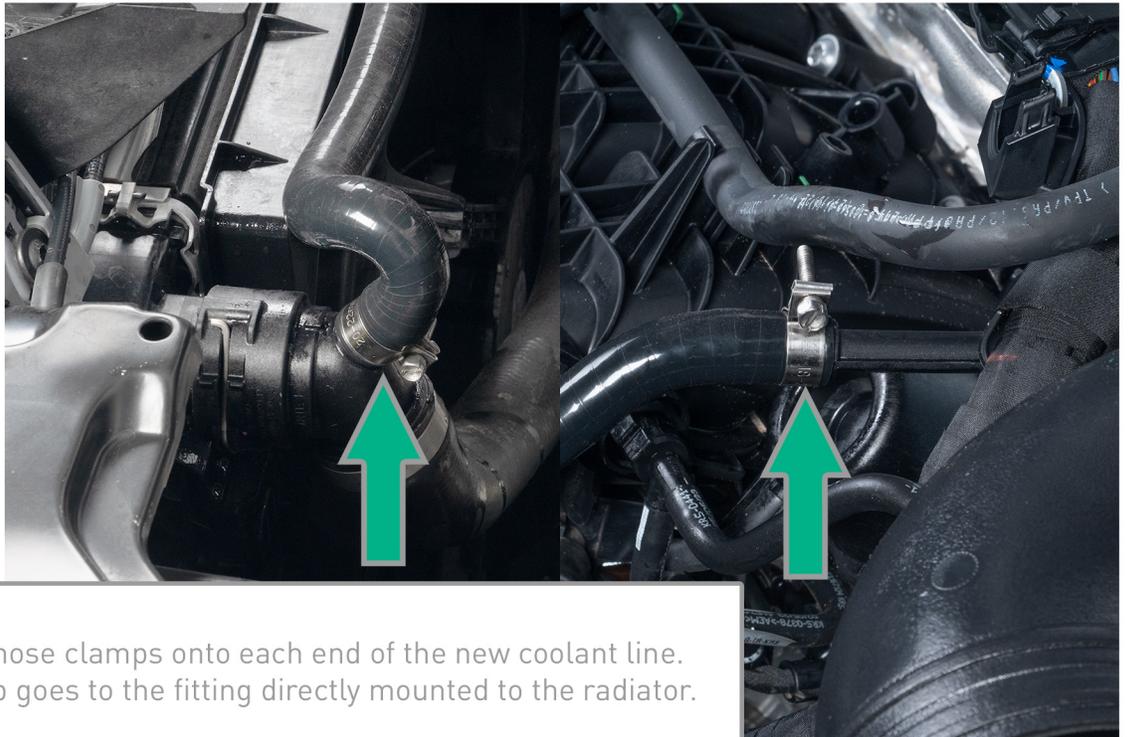


17



Place shop towels underneath the small coolant line and remove both ends of the line. Be ready to capture some coolant and install the new supplied coolant line.

18



Install supplied hose clamps onto each end of the new coolant line. The larger clamp goes to the fitting directly mounted to the radiator.

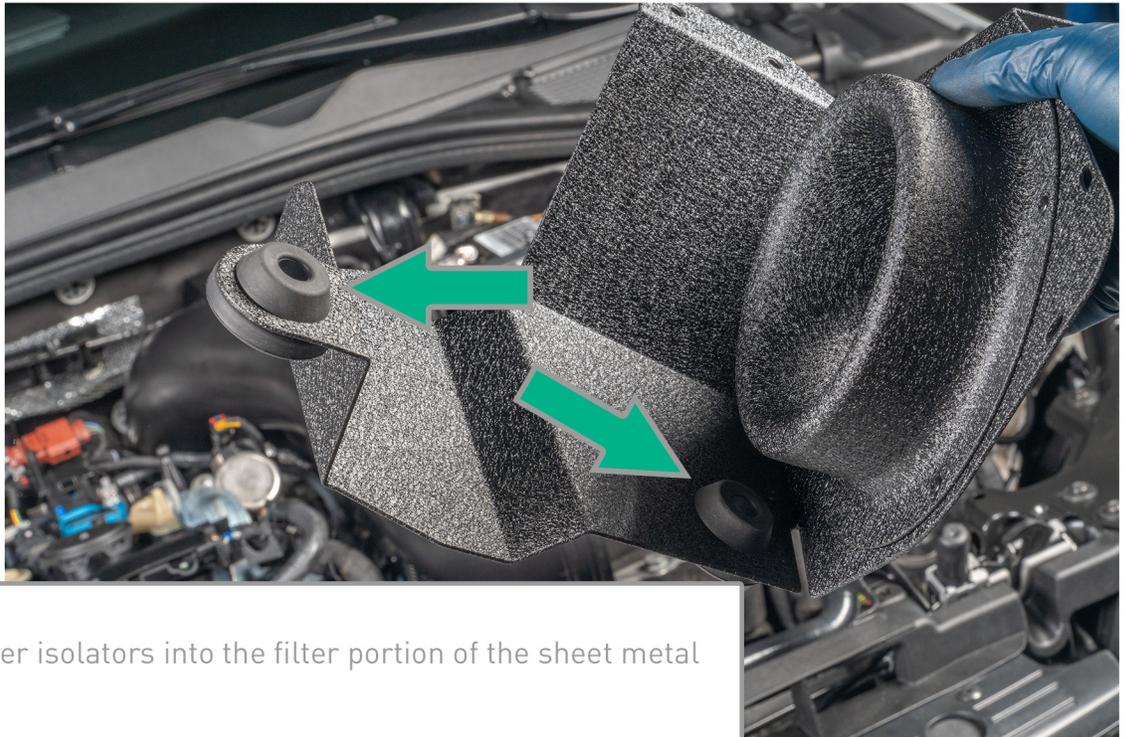


19



Install rubber isolator and billet grommet into both mounting points located on the front section of the sheet metal inlet.

20



Install both rubber isolators into the filter portion of the sheet metal intake



21



Install the filter onto the bellmouth of the sheetmetal intake and tighten band clamp.

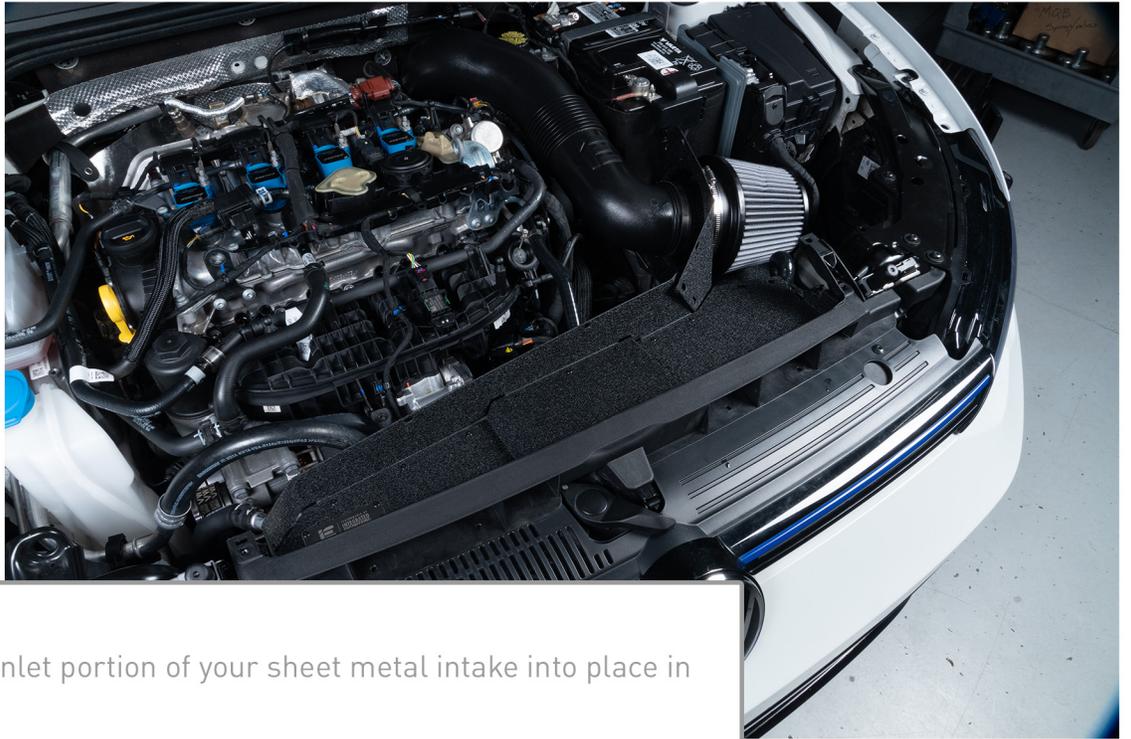
22



Lower the filter portion of the intake into place and press it down onto mounts while simultaneously installing it onto the intake pipe and tightening down the band clamp.



23



Lower the front inlet portion of your sheet metal intake into place in the engine bay.

24



Install four 4mm button head screws with washers to join the filter and front inlet portions of the intake together.



25



Install the two 4mm mounting screws along with accompanying washers onto both sides of the front inlet.

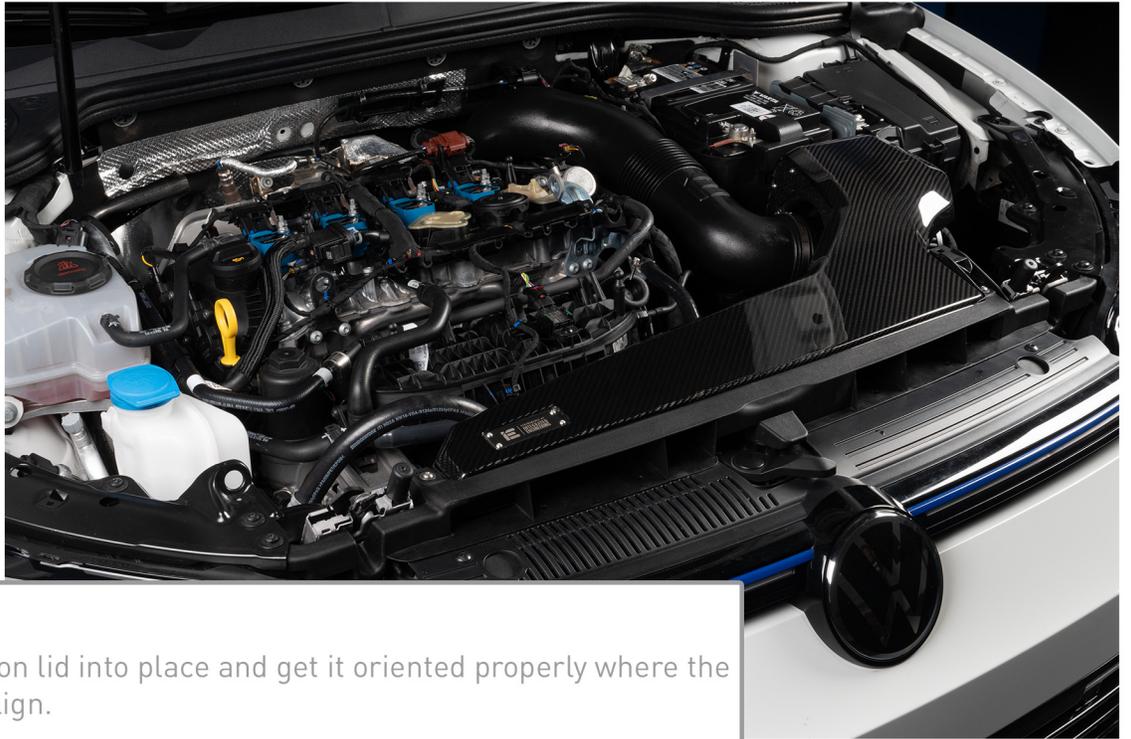
26



Installation of your new iE intake system is now complete. If you purchased the carbon lid for your intake, follow the next steps. Otherwise, enjoy the look, sound and performance of your new iE intake!

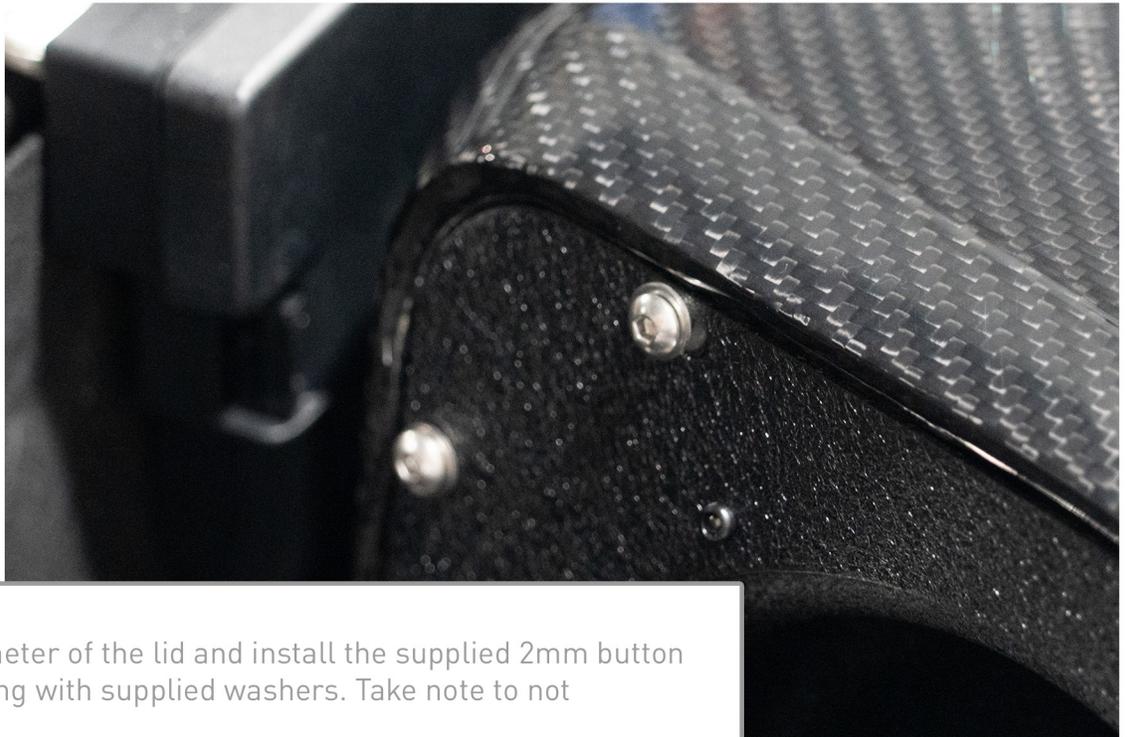


27



Lower your carbon lid into place and get it oriented properly where the fastener holes align.

28

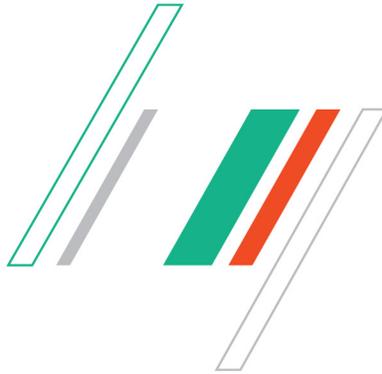


Follow the perimeter of the lid and install the supplied 2mm button head screws along with supplied washers. Take note to not overtighten.



ENJOY!

Thank you for purchasing an Integrated Engineering product. We are dedicated to serving your performance needs. Please check our website frequently for new product releases. If you have any questions or concerns about this product please do not hesitate to contact us.



HOW WAS YOUR INSTALL?



Stoked?

Awesome! Please leave a review.
share.performancebyie.com



Bummed?

Sorry, let us make it right.
support.performancebyie.com



801.484.2021

WWW.PERFORMANCEBYIE.COM

SUPPORT@PERFORMANCEBYIE.COM



Brother owned since 2007.
Garage started for beer money.

performancebyie.com

Don't be shy. Share your project.



#LiveFastBuyFun