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IE Audi 3.0T 4 Bolt Supercharger Pulley Upgrade Install Guide IEBAVJ5

Thank you for purchasing your IE 3.0T supercharger pulley upgrade! This instruction guide is used for installation of IE's upper overdrive 4 bolt style pulley for Audi 3.0T (supercharged) applications. This kit needs to be installed by a professional or an experienced technician, Integrated Engineering is not responsible for any damage caused by incorrect installation.

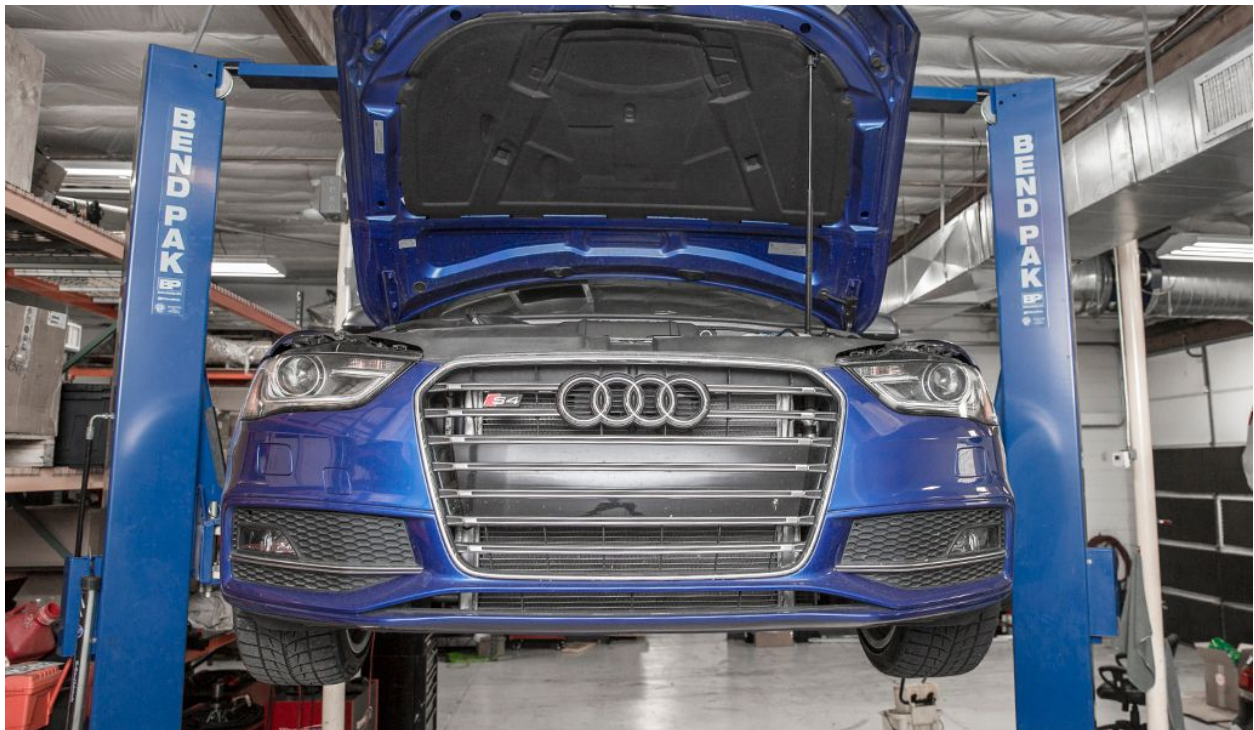
Required To Install:

- Flathead screwdriver
- Small flathead screwdriver
- Phillips head screwdriver
- Socket wrench
- Socket extension(s)
- 10mm socket
- 16mm socket
- 16mm crescent wrench
- 6mm allen bit
- T25 torx bit
- T30 torx bit
- T45 torx bit
- (2X) 10mm X 1.5 threaded bolts at least 60mm long

Before you begin, open your IE supercharger pulley and inspect pulley. Read over the installation list and verify you have the correct tools to complete the installation.



Safely rack your car on an auto lift or place onto jack stands. It is also recommended to allow the car to cool before beginning this install procedure.



Remove both front wheels to gain access to the fender liners and belly pan hardware.



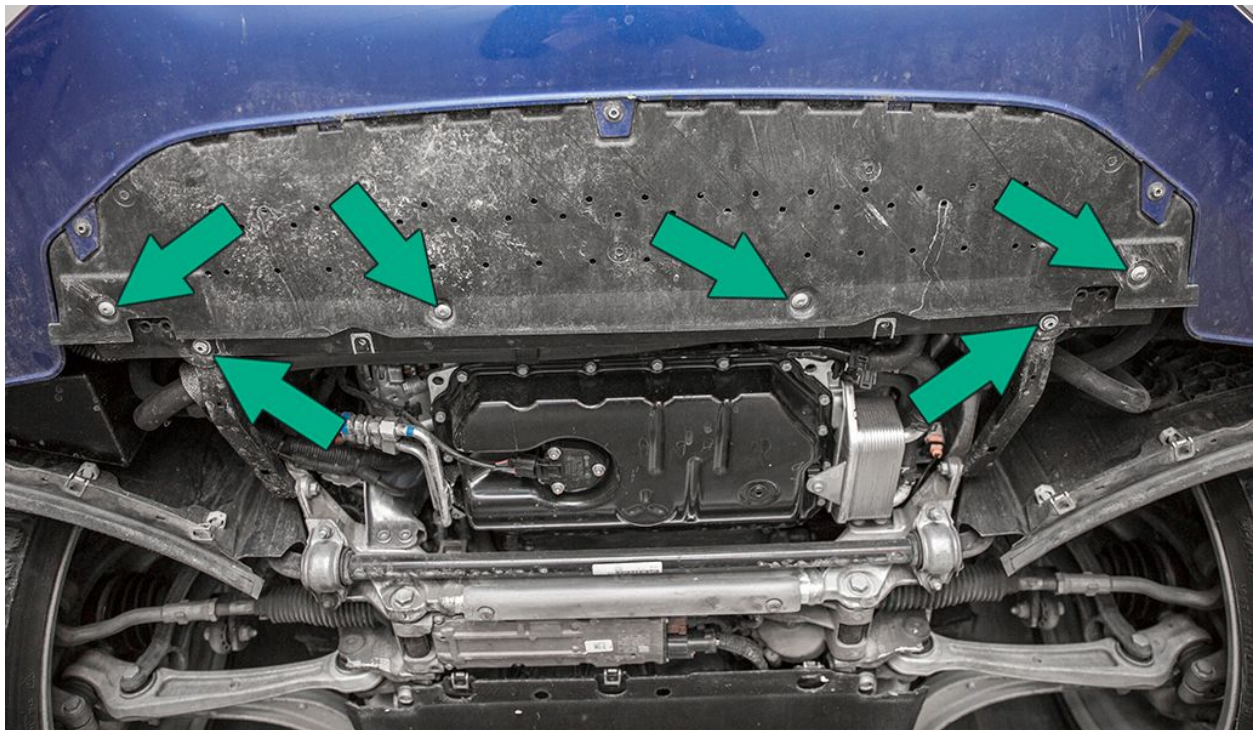
Remove the 11 phillips head screws holding the belly pan in place.



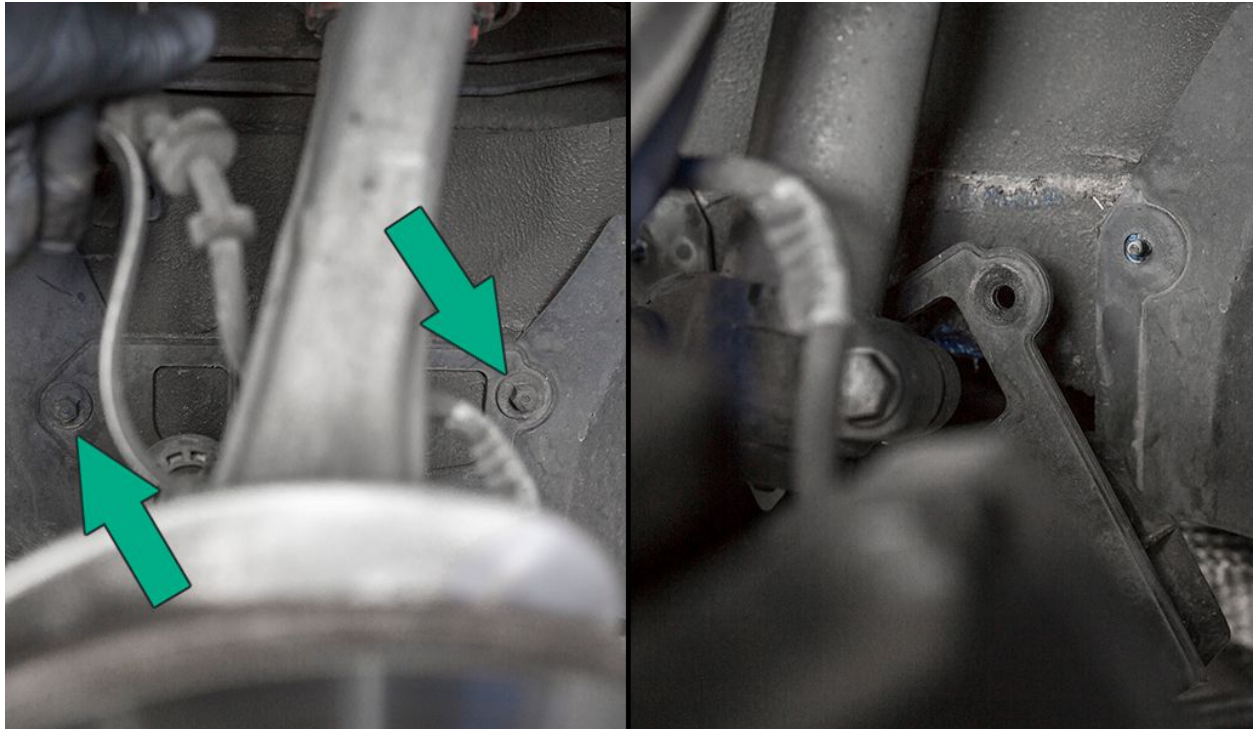
Remove belly pan from the vehicle by sliding backward.



Remove the six T30 torx screws from the underside of the bumper that secures it to the radiator support.



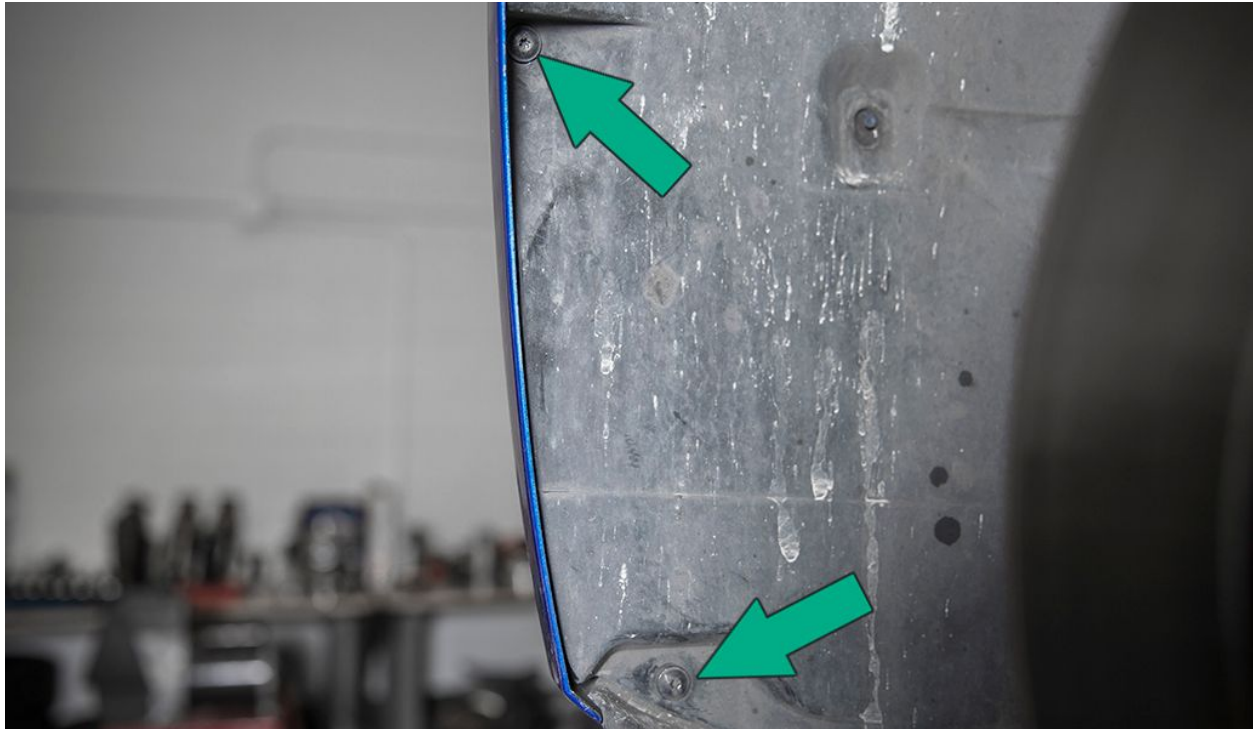
Remove the two 10mm nuts from the axle guard and let it sit disconnected. *Repeat this step on both sides of the car.*



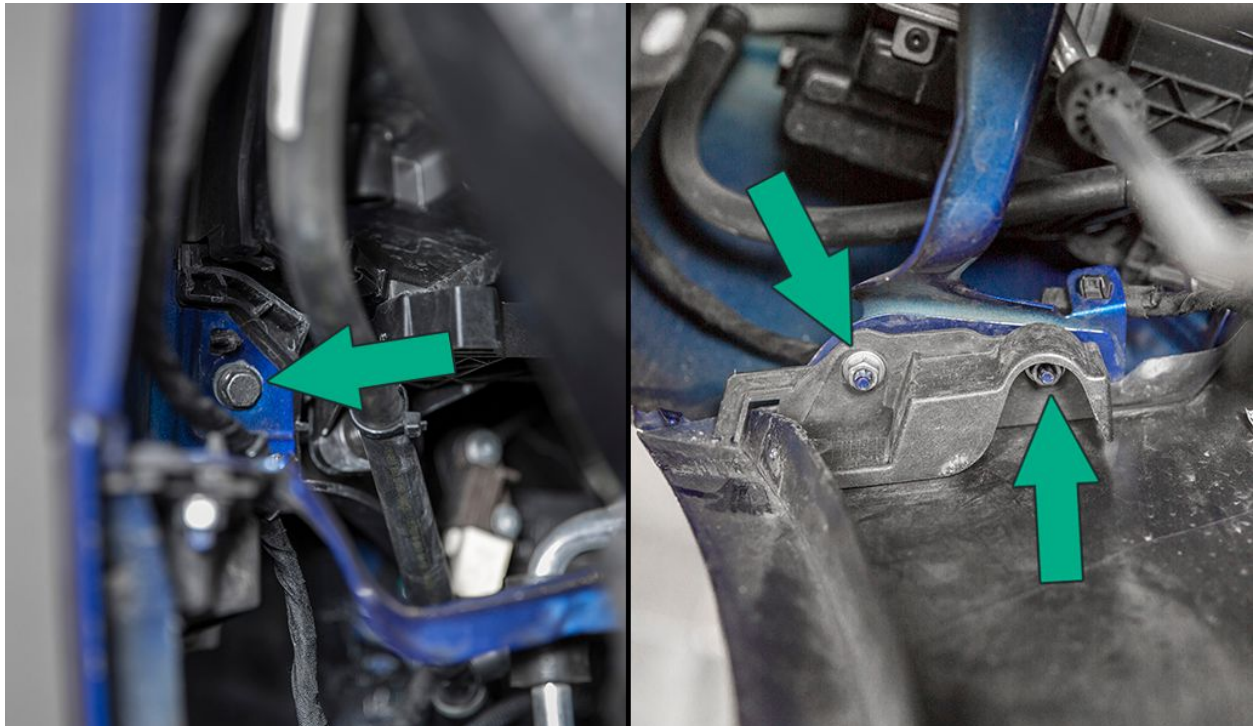
Using a small flathead, remove the two plastic retainers from the wheel well liner. *Repeat this step on both sides of the car.*



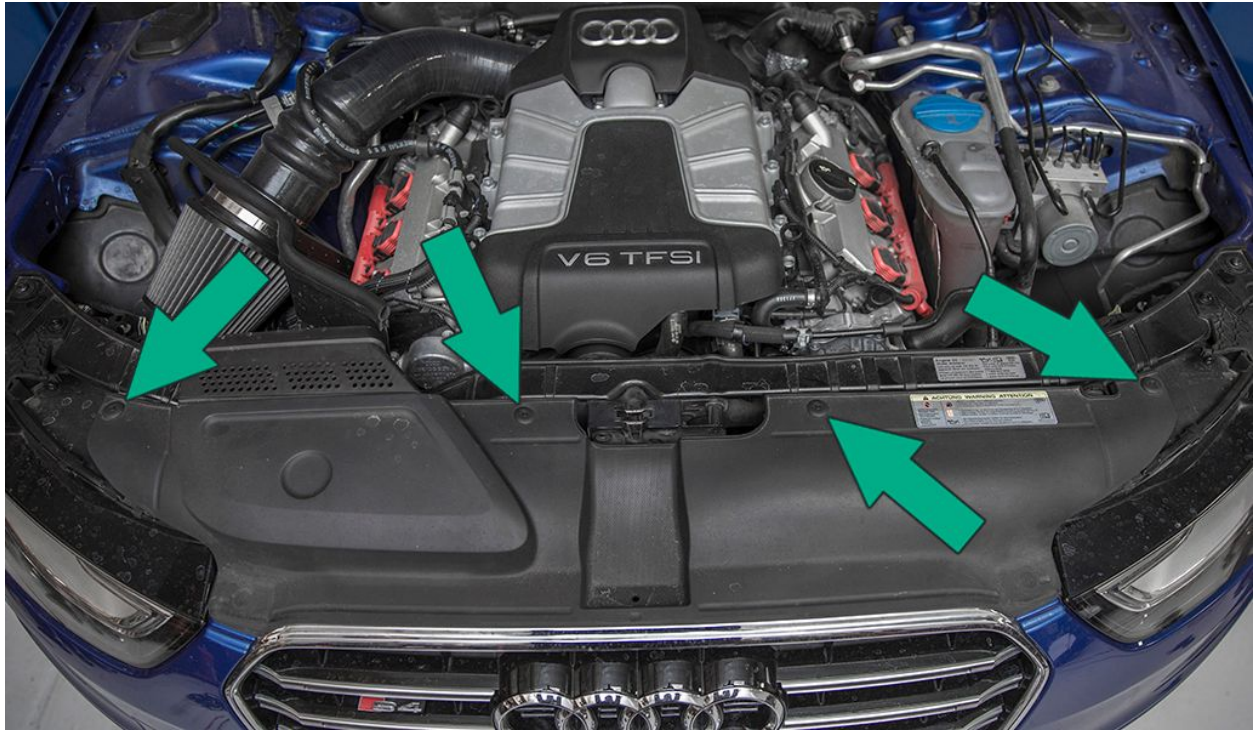
Remove the two outer T25 screws from the wheel well liner. *Repeat this step on both sides of the car.*



Pull the liner out of the way to gain access inside the fender. Remove the 10mm bolt directly behind the liner. Now loosen the two 10mm nuts under the bumper to fender bracket. You do not have to fully remove these nuts. *Repeat this step on both sides of the car.*



Remove the four push retainers or T30 bolts (varies by car) from the radiator cowl.



Remove the cowl carefully by pulling upwards.



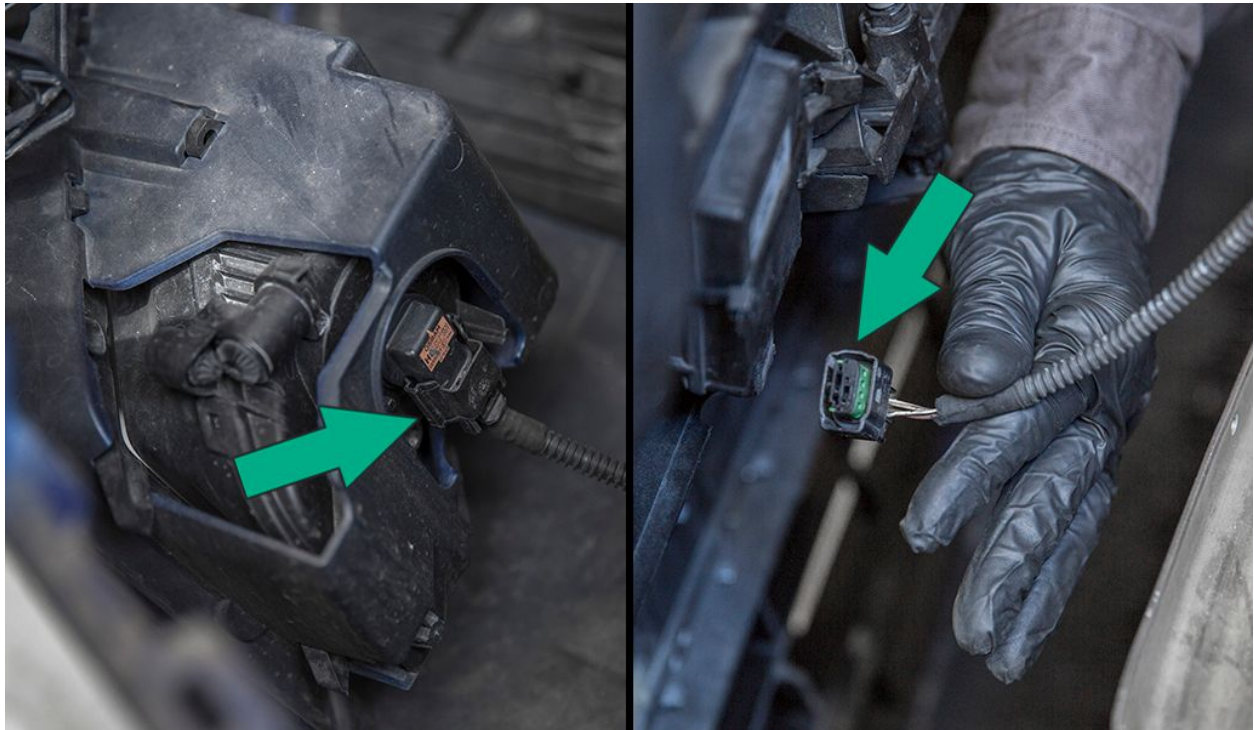
Remove the two T25 screws from the bumper to rad support, one on each side.



Release the bumper cover from the fender by pulling on the outer top edge. Repeat on both sides. *Note: Use caution during this step to not break the plastic clips that fasten the bumper.*



Pull the driver's side of the bumper cover forward and disconnect all electrical connectors located inside. *Note: Do not pull bumper too far forward in this step, it can damage the bumper harness.*



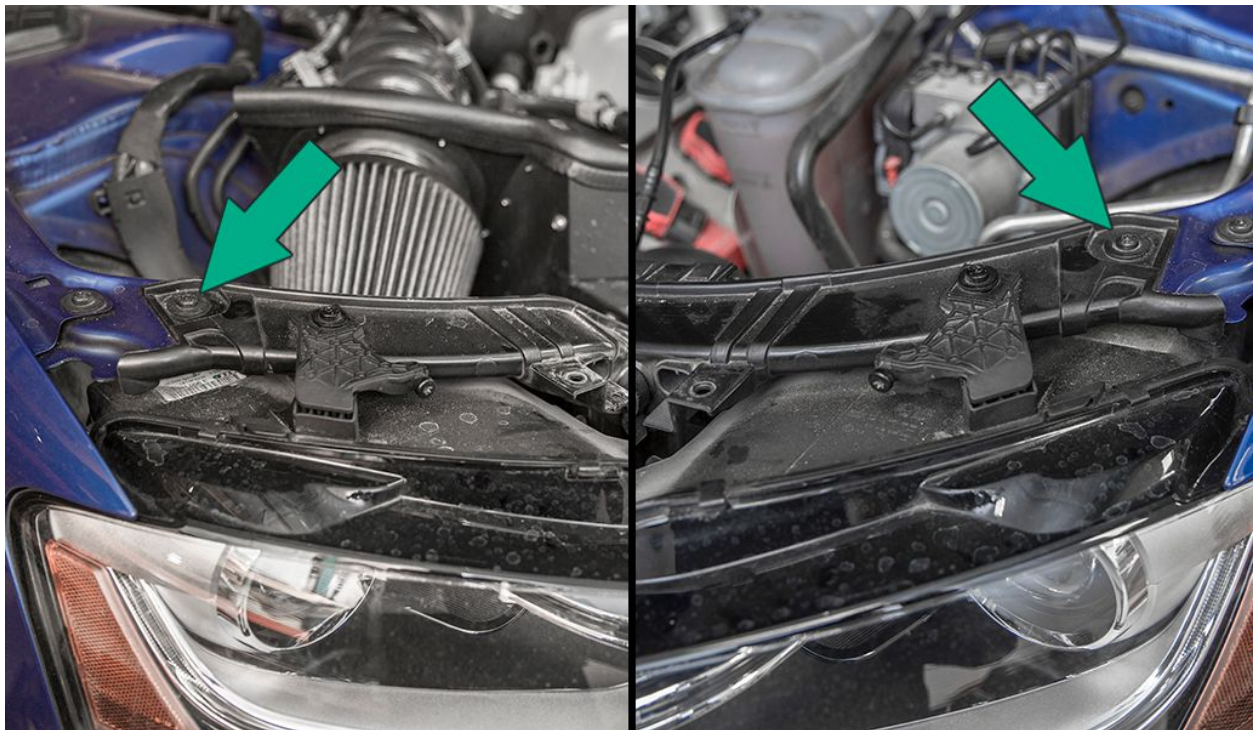
Verify all harness connectors are disconnected and free, then completely remove the front bumper.



Remove the two T25 screws from the air inlet and remove it.



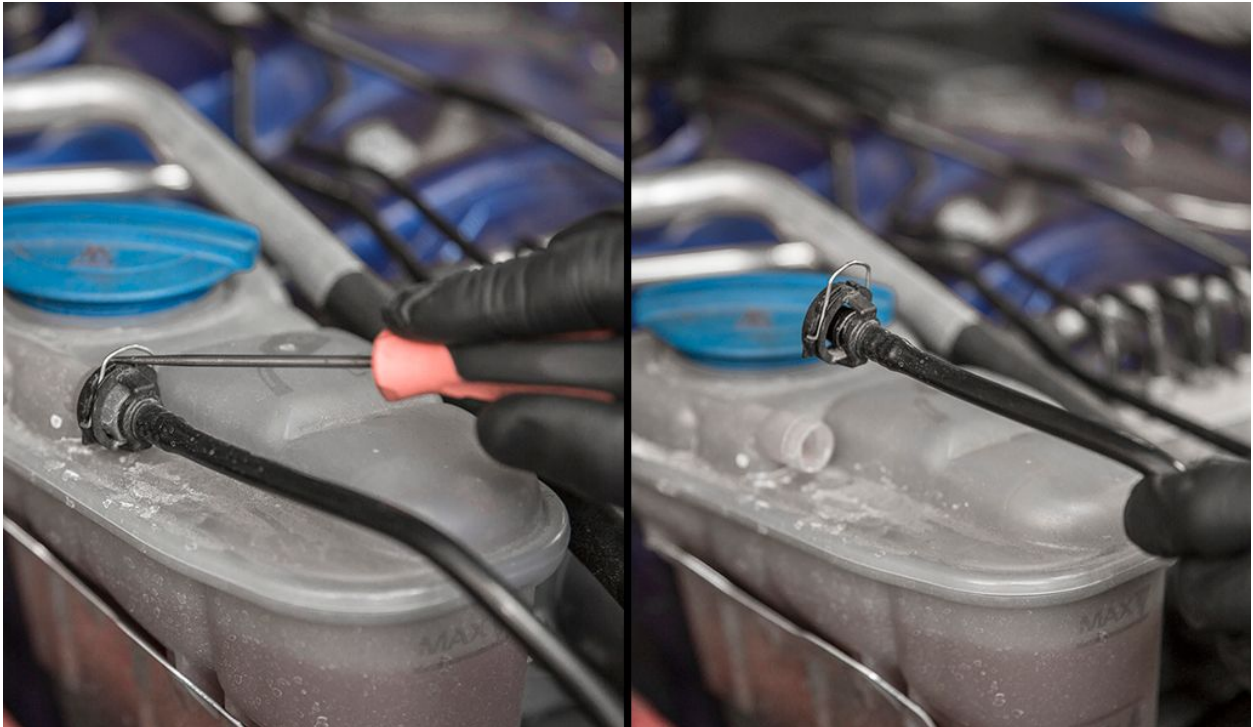
Remove the two T30 radiator support to fender bolts, one is located on each side above the headlights.



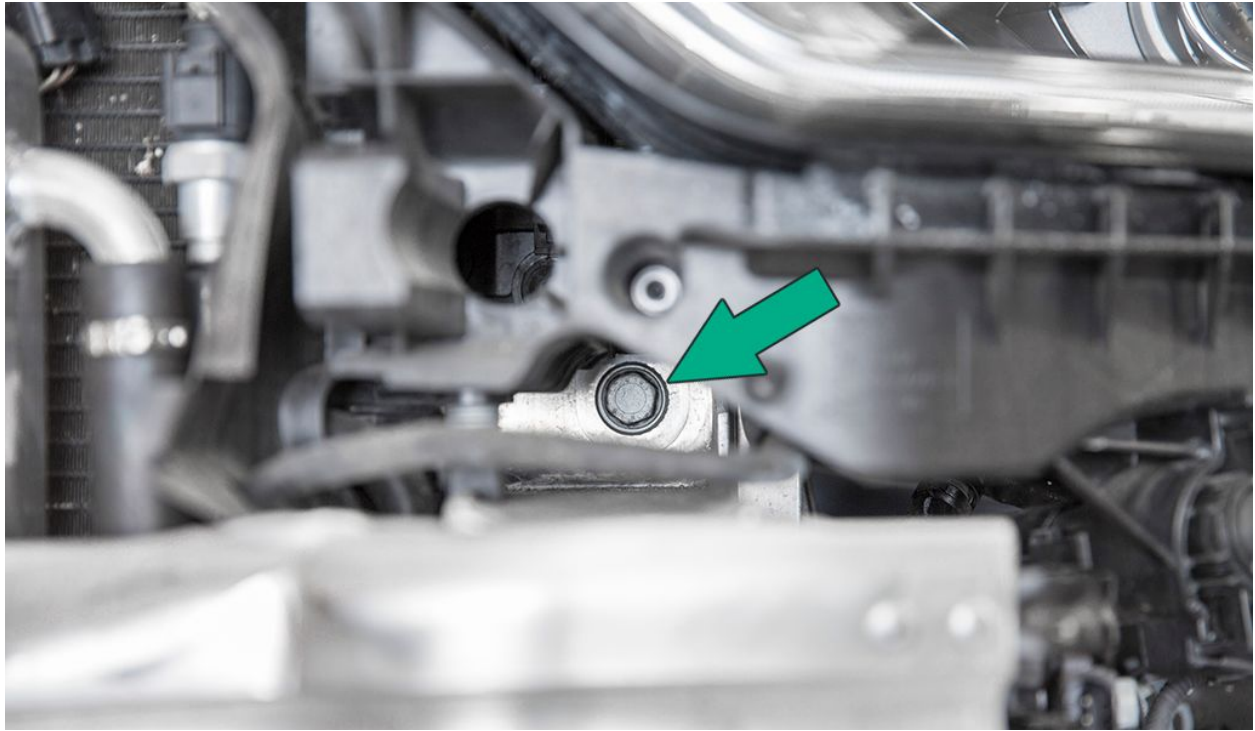
Loosen the coolant cap to remove any pressure from the coolant system.



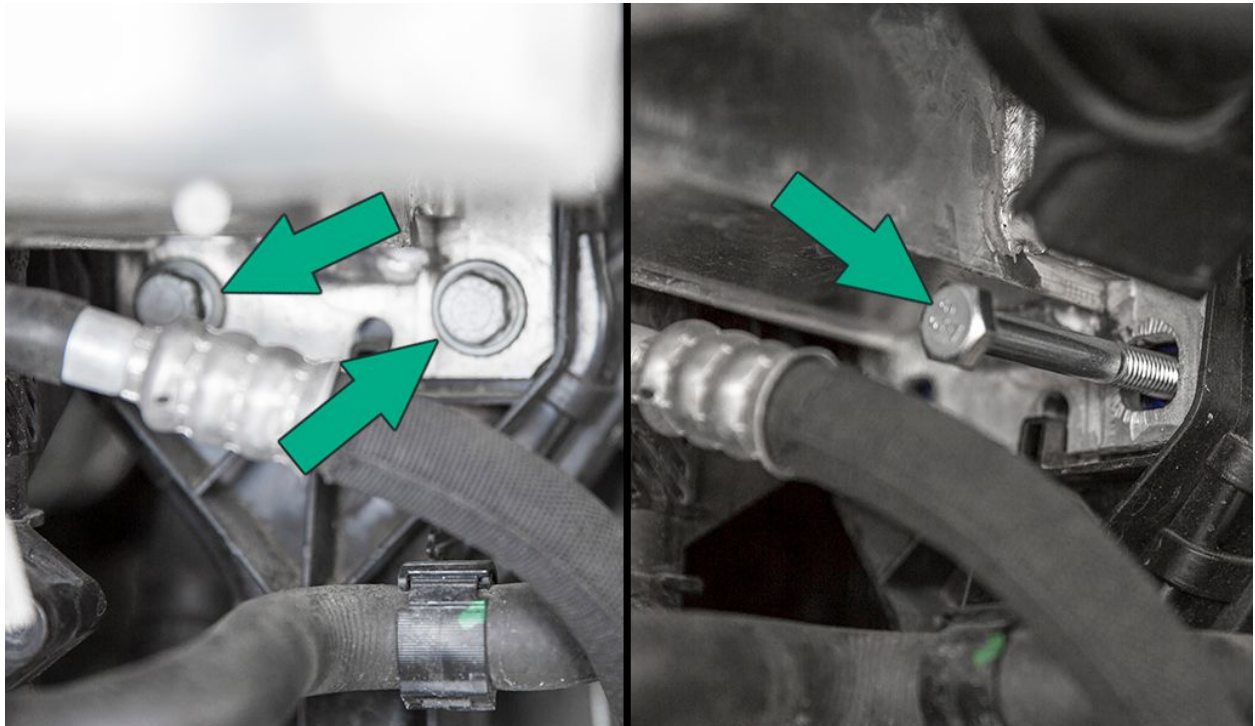
Using a small flathead, release the coolant overflow line spring clip. Gently pull back on the line to release it from the coolant tank.



Using a 16mm socket, remove the upper crash beam to radiator support bolts. One is located on each side



Remove the lower crash beam to radiator support bolts with a 16mm socket, two located on each side. *Note: We highly recommend installing a 10mmX1.5 threaded bolt at least 60mm in a lower hole on each side to support the weight.*



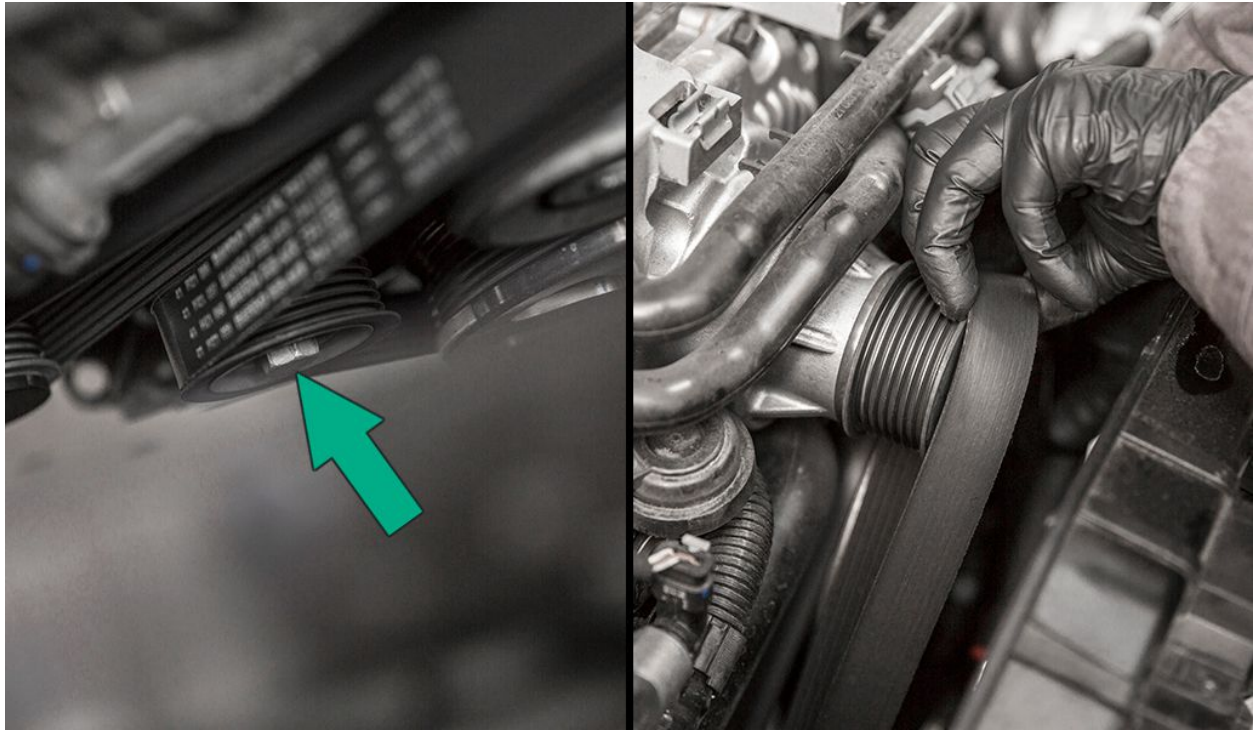
With the weight supported, carefully pull the front clip forward to access the pulley. Verify no lines or harnesses are being stretched or pulled.



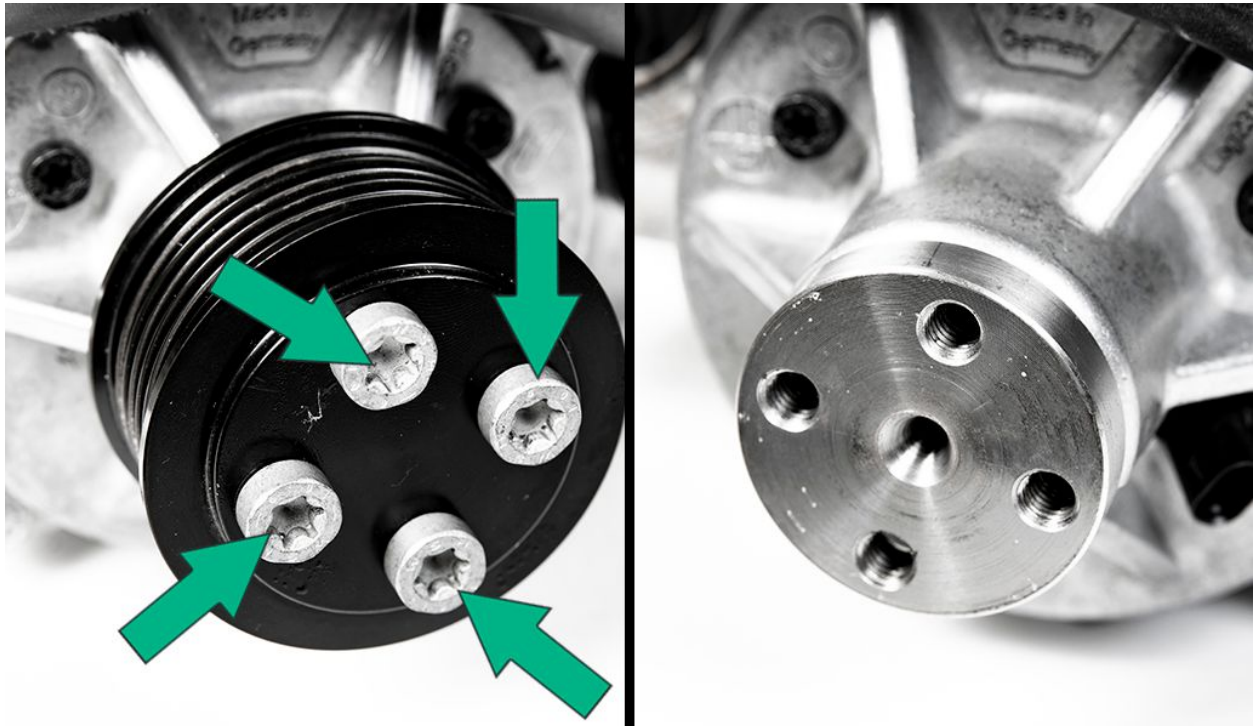
Pull to remove the engine cover plastic.



Using a 16mm crescent wrench on the belt tensioner bolt, release tension on the supercharger belt and remove it from the upper pulley.



Using a T45 torx, remove the 4 supercharger pulley bolts and the factory supercharger pulley. **(Note: Supercharger removed from the vehicle in photos to help with visuals only, do not remove the supercharger from your vehicle).**



Install your new IE supercharger pulley and 4 included new bolts to the charger with a 6mm allen socket. Torque bolts to 23nm + one 90 degrees turn.



With the new pulley installed, reassemble the car by following the reverse of this procedure.



Confirm everything has been reinstalled and no leftover parts remain. Start the car and confirm that there are no leaks or odd sounds. Enjoy the benefits of more power from your IE Overdrive Supercharger Pulley Upgrade! To complement your new upper pulley and push your 3.0T to the next level, consider adding an IE crank overdrive pulley for the ultimate in pulley performance!

Thank you for purchasing another Integrated Engineering product. We are dedicated to serving your VW/Audi engine and 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.

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