



## **Audi 3.0TFSI Supercharger Pulley Installation instructions**

For the correct installation of this precision product you will have to heat the pulley up in an oven to 190 degrees C (380 degrees F) for 60 minutes. This will ensure that the pulley expands gradually. Do not use a blow torch or oxy-acetylene as you may damage the pulley.

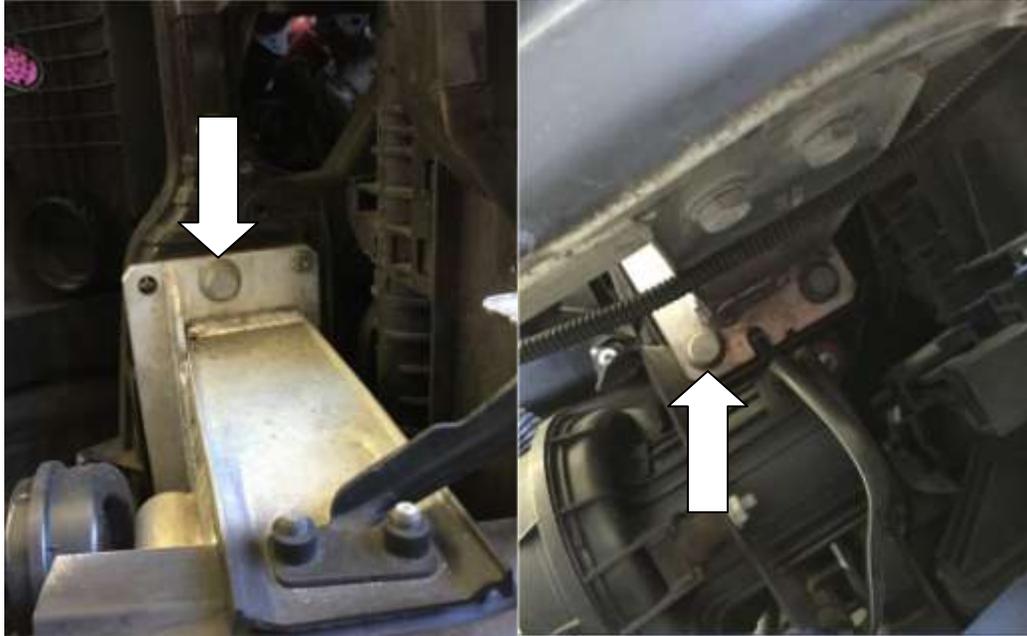
1. Raise the front of the vehicle on a vehicle ramp or suitable axle stands.
2. Remove the front bumper from the vehicle. Store in a safe place away from the vehicle to prevent damage while carrying out the rest of the installation.



3. To allow access to remove standard supercharger pulley the front of the car must be put in the "service position".

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- Using a 16mm socket or spanner remove the top and lower outside bolt from both sides of the crash bar where it meets the chassis.



- Install the x2 service bolts (M10 x P1.5mm x 120mm) in each side of the crashbar in the lower outside bolt hole. Then remove the remaining bolts.

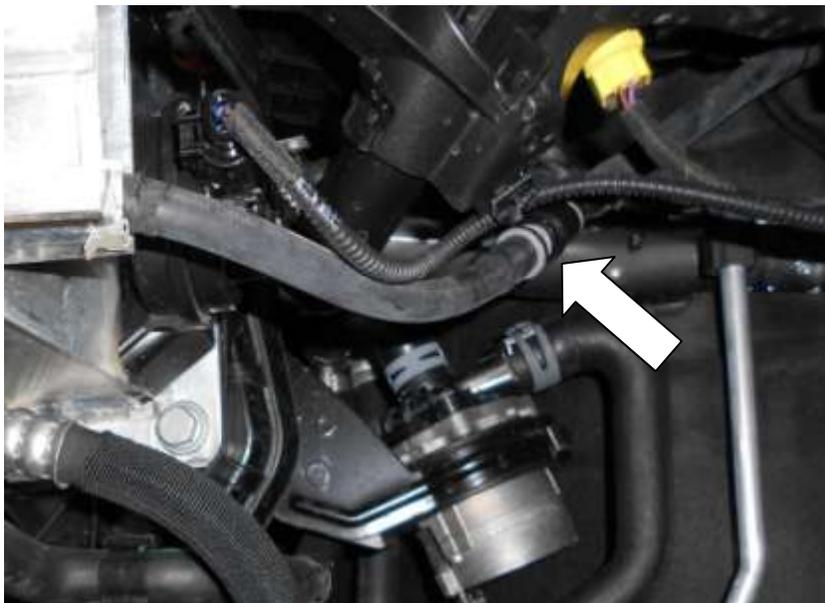


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6. Disconnect the wiring to the horns at both ends of the crash bar and unclip the wiring clips.
7. Using a flat-blade screwdriver or similar tool remove the sensor on the centre of the crash bar and the wiring clip.

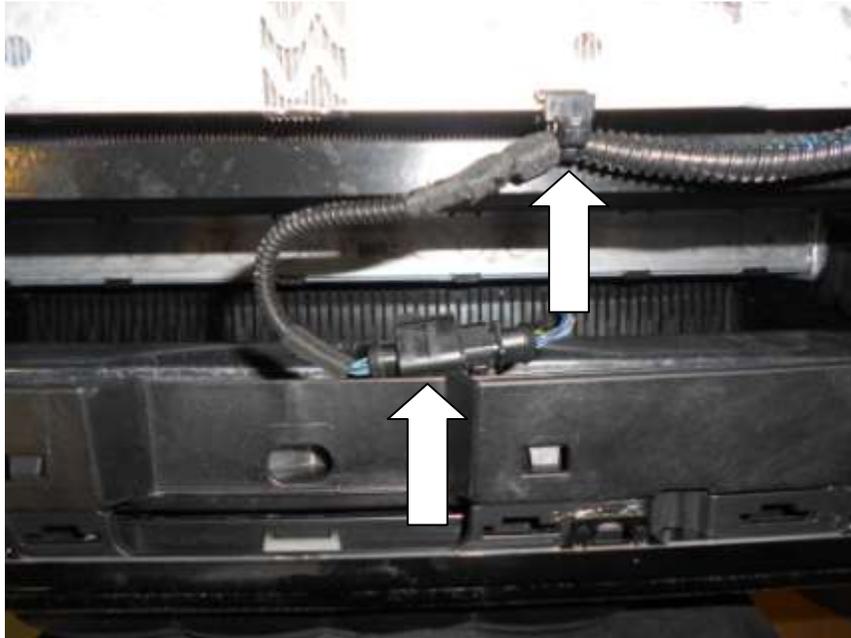


8. Moving to the right-hand side of the vehicle. Disconnect the headlight washer coupler and drain fluid into a suitable container.



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9. Disconnect the wiring connector and unclip cable tie (home sensor).



10. Disconnect the wiring from both front headlights.

11. Using a flat-blade screwdriver or similar tool disconnect the coolant return pipe from the header tank.

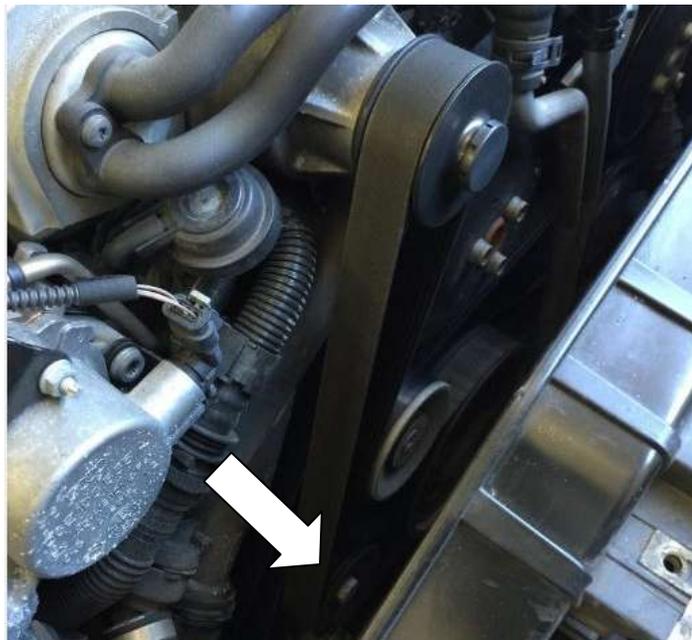


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12. Undo the 2x T30 Torx screws on each side of the top cross member and pull the front complete with radiator pack forward on the previously installed extended bolts. This puts the car in "Service position".

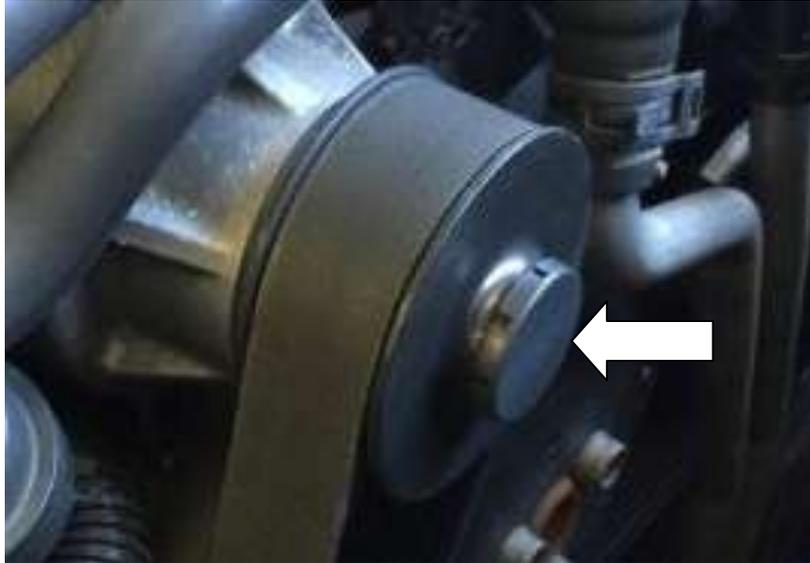


13. Use a 16mm socket and suitable ratchet to rotate the tensioner to release the tension on the belt and remove it.



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14. Remove the small plastic cover from the front of the standard pulley. Assemble the Forge pulley removal tool and fit it around the standard pulley. A pulley removal tool **MUST** be used, the old pulley cannot be beaten off the supercharger shaft as this may irrevocably damage or bend the shaft.



15. The efficiency of the puller relies on the puller being assembled tightly around the standard pulley.
16. Use a 16mm socket and ratchet on the bolt in the centre of the puller to draw the pulley off the supercharger shaft.



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17. With the standard pulley removed, ensure the shaft is clean and free from burrs that may slow the installation of the new pulley.
18. Remove the Forge pulley from the oven and using a heat proof glove fit the heated pulley on the supercharger shaft. Ensure the pulley seats correctly on the shaft and is fully bottomed out. Hold the pulley in place for 30 seconds to allow the pulley to cool.



19. Allow the pulley to fully cool (5 minutes or more) before installing the new drive belt.
20. Your pulley installation is now complete, reassemble your vehicle.
21. Enjoy your new performance. Please note that this pulley is part of a stage 2 upgrade and requires a remap of the ECU to take full advantage of the Boost gains that this pulley upgrade gives.



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