

Fitting Instructions

Revo Supercharger Pulley Upgrade Kit 3.0 TFSI

Fitting Difficulty



Dealer Fit Only



Before starting, please ensure that the battery is disconnected and you have ensured the engine is cool. Engine temperatures can remain high for a substantial amount of time after use.



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Revo 2010 + Audi 3.0 V6 Super Charged Performance Pulley and Puller Tool

Step 1

The Revo Pulley must be heated for installation onto the supercharger. Heat the pulley for 1 hour at 200-230 °C in a convection oven.

Warning: Do not exceed 250°C when heating the pulley or use any kind of blow torch as this will heat spot the pulley and lead to potential failure/pulley coming loose.

Ensure the oven is as close to the car as possible as the pulley will need to be removed from the oven onto the supercharger as quickly as possible to reduce cooling.

Note: the front-end needs to be put into 'service' position, specific details may differ between models, the below instructions are only as a guide.

Step 2

Remove the front slam panel by removing the 4 x bolts on top then the first section of the air intake by the 2 x torx screws holding it in place. Release the supercharger cover from its mounting posts.



Step 3

Raise the car and remove the front inner wheel arch liners. Remove the 2 x 10mm bolts holding the bumper in place. Under the car remove the undertray by removing the 4 x T30 bolts, also remove the 2 x T30 bolts on the lower core support.

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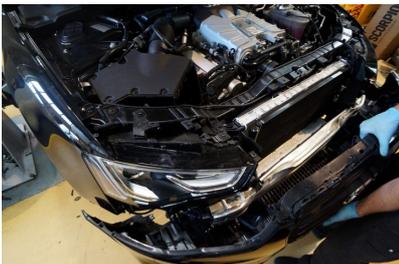
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Step 4

Lower the car and remove the 2 x bolts holding the bumper to the body located to the inside of each headlight. Remove the front bumper. Note: with one person either side of the bumper, remove the front bumper and store safely so as not to damage any paintwork.



Step 5

Standing in front of the car with the bumper removed locate the crash bar support and remove the bolts on both driver and passenger sides. Replace the bolts with the 2 x M10x120mm bolts supplied with the pulley tool. Disconnect the air temp. sensor on the crash bar.

Step 6

Disconnect the horn, airbag sensor, headlight washers and coolant overflow hose from the reservoir. Remove the 2 x T30 bolts holding the radiator support and unplug the headlight harness.

Pull the whole assemble forward and it will now be in the service position.



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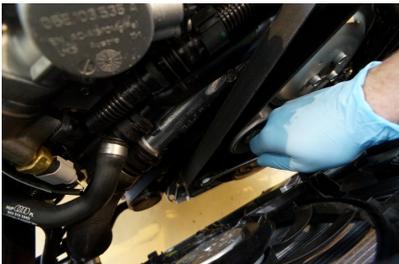
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Step 7

Remove the plastic cover from front of tension pulley. Using a 16mm socket release the tension so that supercharger belt can be removed.



Step 8

Part assemble the Revo pulley tool by bolting one of the half-moon sections to the handle with the spacer in-between, use the M10x40 bolt to secure. Part screw the M16 bolt into the center hole.



Step 9

Remove the small black cover from the front of the pulley and place the tool into position. Bolt the other side of the pulley tool to the rest of it and tighten.



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Step 10

Start to screw the large bolt in the center of the tool until it touches the super charger shaft. Next holding the handle of the tool and with a ratchet start to turn the bolt until the pulley becomes free.



Step 11

Using a heat proof glove remove the Revo pulley from the oven.

Note: the hollowed-out side of the pulley goes towards the supercharger.

Quickly place the Revo pulley onto the shaft and push all the way on so the end of the shaft is flush with the end of the pulley. Do NOT use a hammer to force the pulley onto the shaft, if the pulley does not go all the way on then you will need to remove it using the Revo tool the same way as before and place back into the oven again.

Step 12

Ensure the new Revo pulley is secured and then reassemble the car. Reinstallation is the reverse of removal. Follow any factory torque specification during reinstallation of OE parts. Check all sensors are reconnected. Test drive the vehicle to ensure there are no leaks/part interference during operation. Your installation is now complete!