



Installation Instruction

Performance Intercooler



VW Polo GTI AW, Audi A1 GB

2.0 TSI, 40 TFSI

Description

This instruction shows how to replace the OE intercooler with do88 performance intercooler.

At this type of installation we always recommend that you have mechanical experience and knowledge about safety during work on vehicles.

This installation instruction is performed on an VW Polo GTI and the procedure for removal of panels and covers will differ a bit if the install is carried out on any other model this product fit.

Parts List

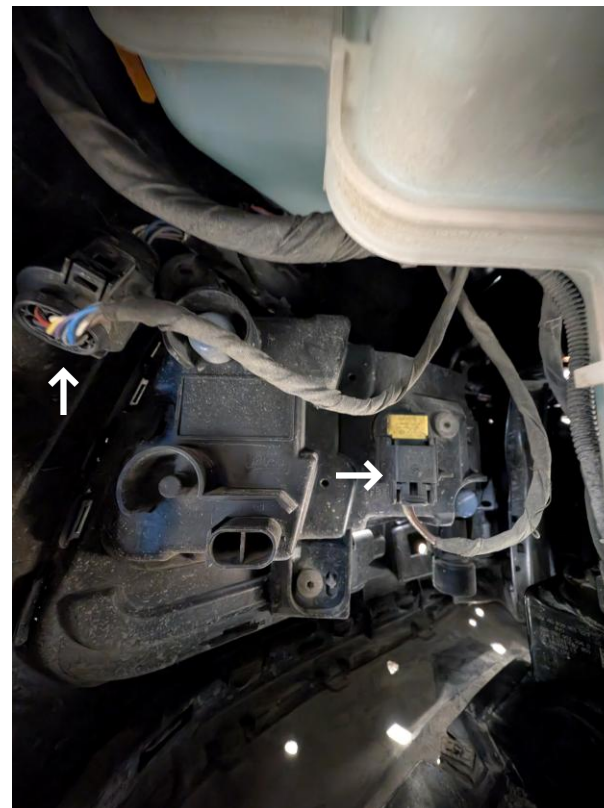
1. do88 Performance Intercooler
2. M5x12mm screw
3. 2x 5mm Allen Set screws





Step 1

Remove 15x Torx T25 screws to remove the undertray.



Step 2

Remove the covers made to access the fog lights in the wheel arches and disconnect the fog light electrical connectors on both sides and the bumper harness connectors on the left.



Step 3

Remove the 3x T25 screws from the inner wheel arch on both sides.



Step 4

Remove the T25 screw holding the bumper to the fender on both sides, this screw is located behind the inner wheel arch.



Step 5

Remove the 4x T25 holding the upper part of the bumper.



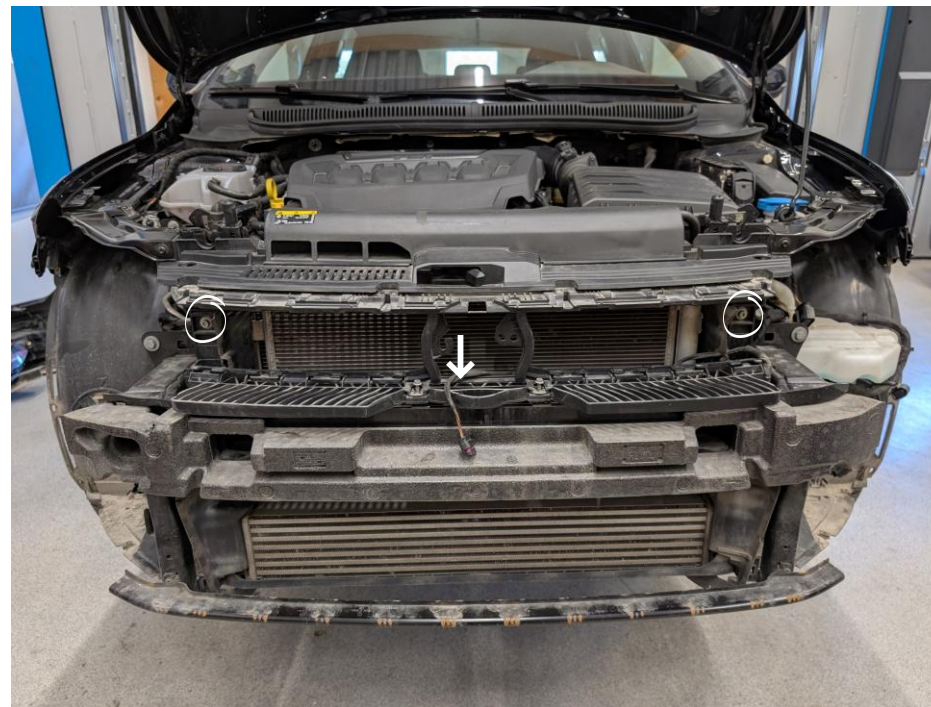
Step 6

Pry out the rear ends of the bumper, then move it slightly forward to disconnect the radar sensor before removing it entirely.



Step 7

Remove the headlights by undoing 3x T30 screws on the top and 2x T25 in the fender on both sides. Then lift the front of the headlight out of its support and disconnect the electrical connector before removing the headlights from the car.



Step 8

Remove 2x T30 screws and then gently pry the radar sensor wire harness free. Then remove the upper bumper support.



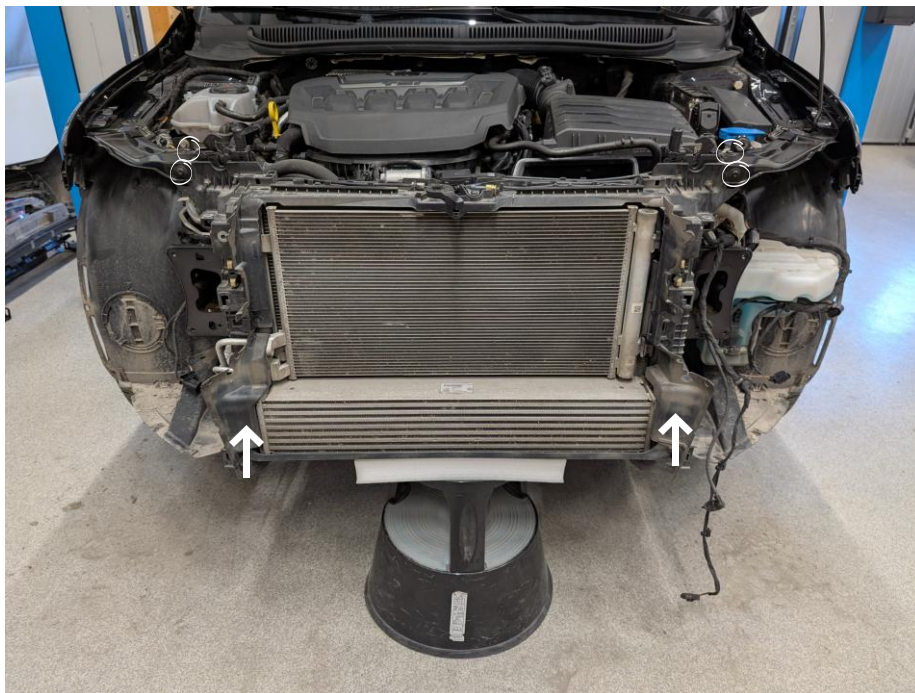
Step 9

Relocate the hood support to the fender. Remove the 2x T25 holding the air filter ducting and remove it.



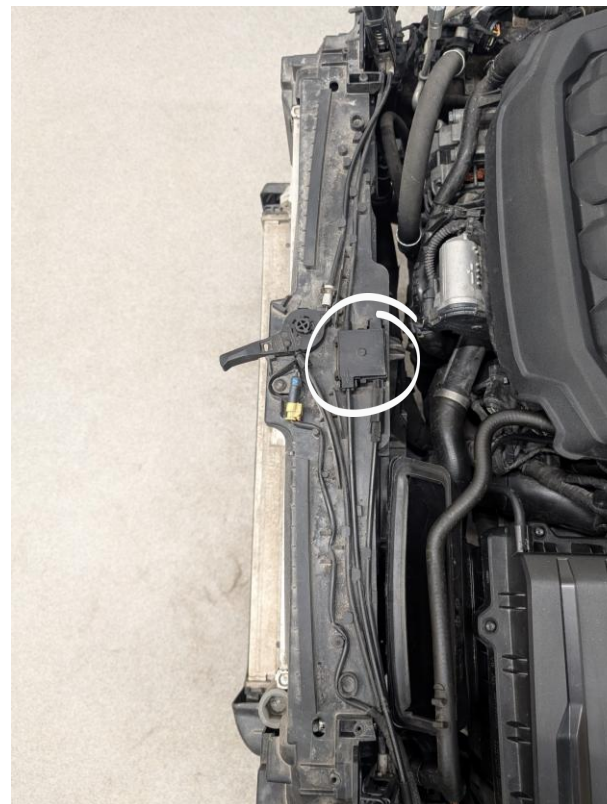
Step 10

Securely support the cooling stack from underneath using a sturdy support. Disconnect the signal horn cable connectors and detach the ambient temperature sensor from the bumper bar. Remove the 4x T30 screws and 8x 13mm hex screws, then carefully remove the bumper bar.



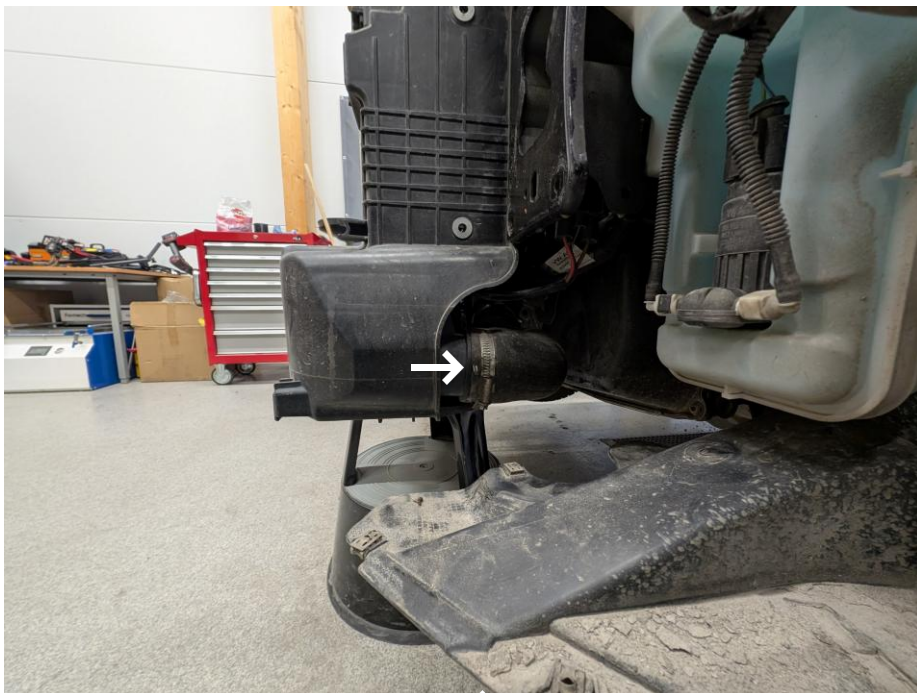
Step 11

Remove the two intercooler air guides and the 4x T30 holding the upper part of the radiator support frame.



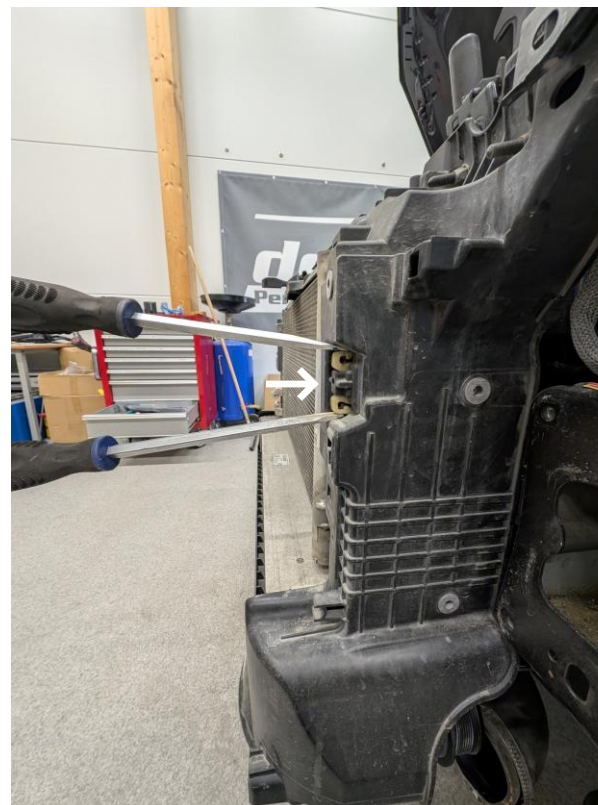
Step 12

Disconnect the hood release wire coming from the left fender to the junction in the middle.



Step 13

Loosen the hose clamps and pull the intercooler hoses off their connections.



Step 14

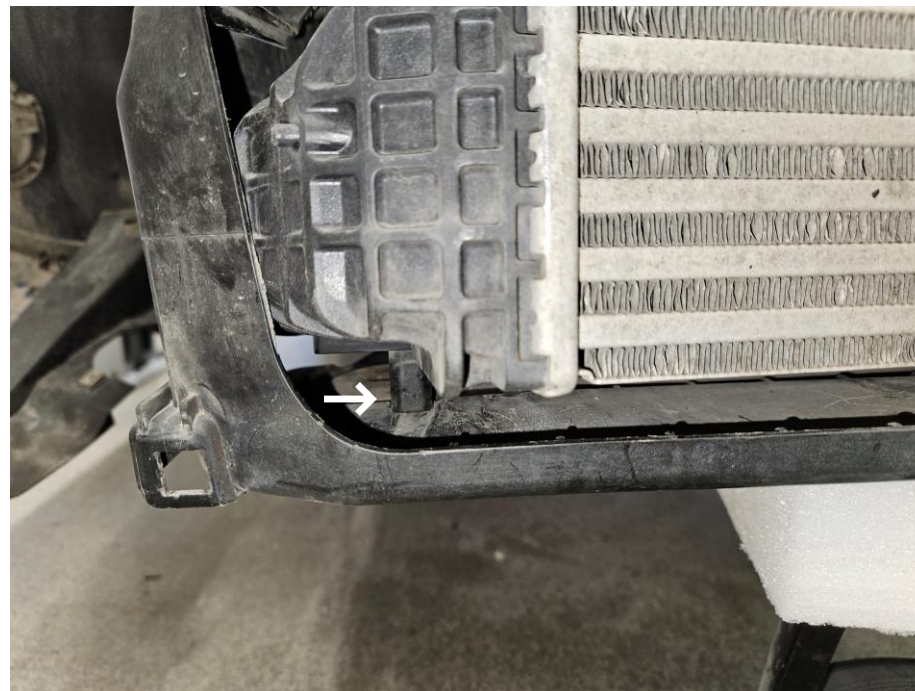
Release the radiator brackets on both sides.

(Use two screw drivers and then gently tap it with a hammer).



Step 15

Separate the radiator support frame and the cooling stack on the left side by tilting the radiator backwards and lift the intercooler out of its lower rubber grommet.



Step 16

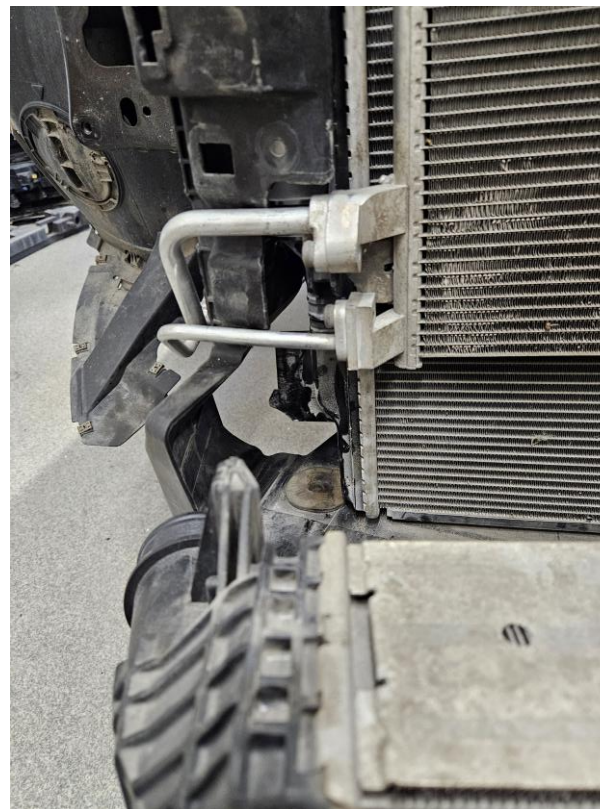
On the right side lift the intercooler out of its lower rubber grommet.

(By removing the radiator upper bracket on the right side, you gain some flexibility. On the Audi core support there is no easy task removing or reinstalling but still possible).



Step 17

Separate the intercooler and radiator from each other on the left side. You need to pry the plastic tabs on the intercooler and lift the radiator upwards.



Step 18

Push the intercooler to the right to free it from the right-side radiator bracket. Now move the intercooler to the left to get it out of the car.



Step 19

Preinstall the provided M5x12 hex 8mm screw into the left-side intercooler bracket, ensuring the screw does not stick out through to the inside.



Step 20

Install the do88 intercooler the same way the OE intercooler came out and secure it to the radiator with the preinstalled screw in step 19.



Step 21

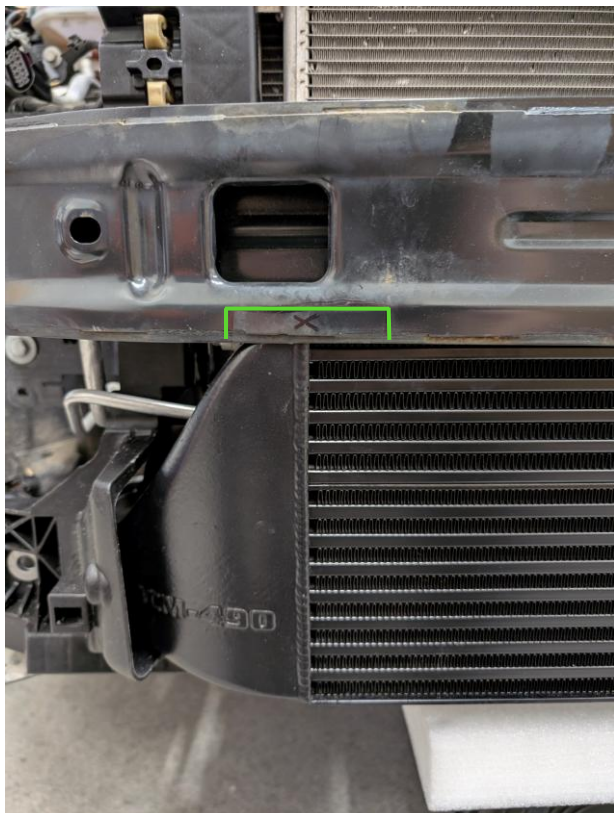
Push the cooling stack into correct position, start with the two upper radiator supports and then fixate the intercooler with the included allen 5mm screws from underneath.

(We recommend using thread locking fluid on these allen screws).



Step 22

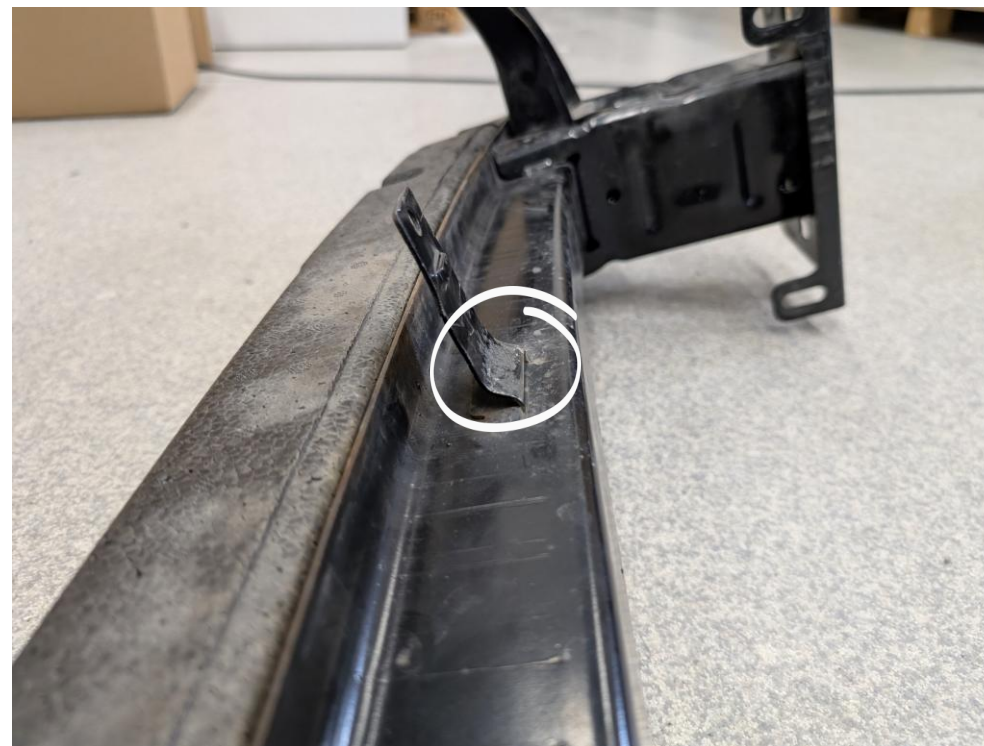
Reinstall the hoses to the intercooler, loosen the hose clamps some extra and use a bit of lubricant make the installation easier. (The hose connections on the intercooler are slightly bigger than OE to improve the flow). Reinstall the air guides and trim the right side to fit around the intercooler.



Step 22 (Audi)

The Audi bumper bar may need some trimming to make clearance for the intercooler in the marked area.

Reinstall everything in reverse order.



Step 22 (VW)

The VW bumper bar ambient temperature sensor bracket needs to be slightly bent outwards to make clearance for the intercooler.

Reinstall everything in reverse order.



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