



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

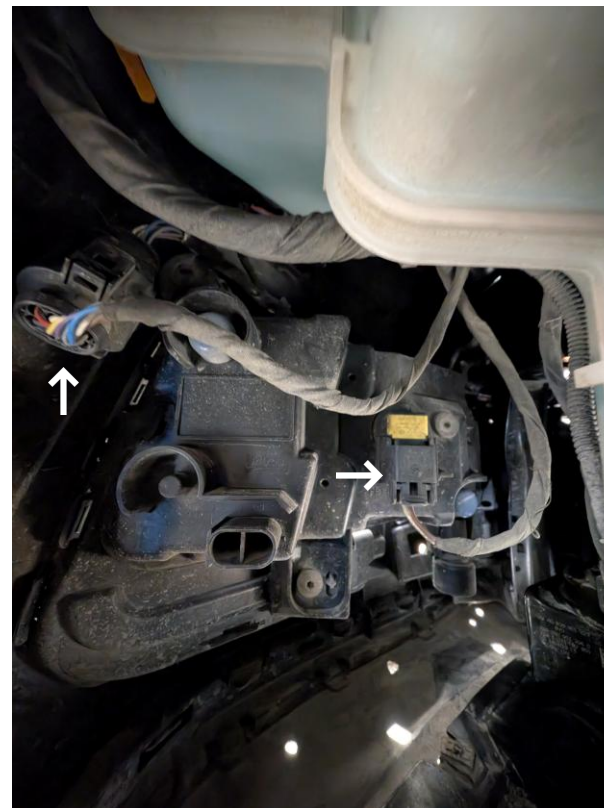
1. do88 Performance Intercooler
2. M5x12mm screw
3. 2x 5mm Allen Set screws





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.



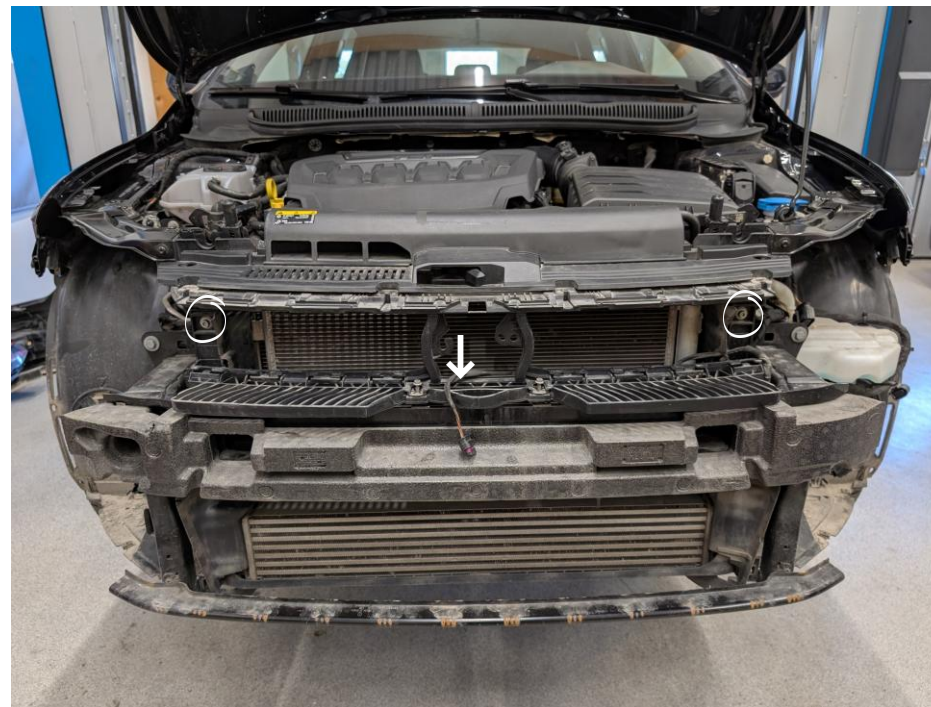
Step 6

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 it's 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.



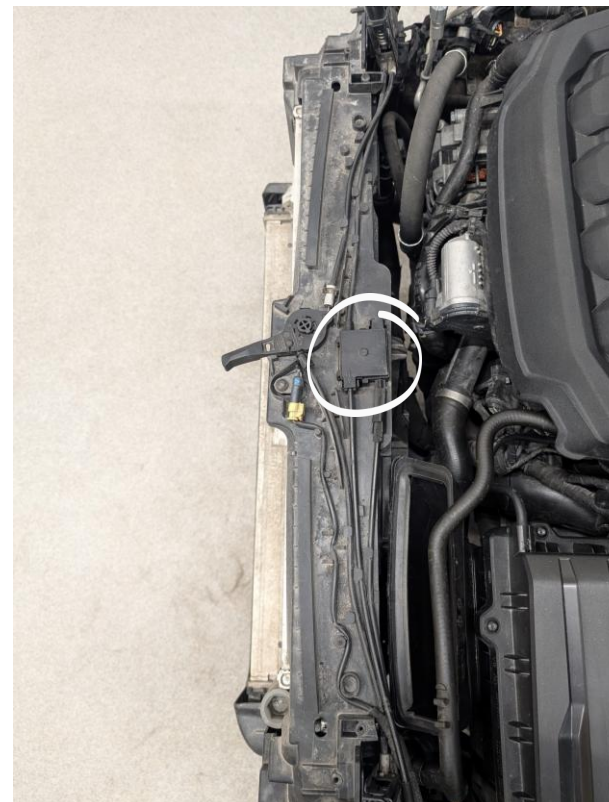
Step 10

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.



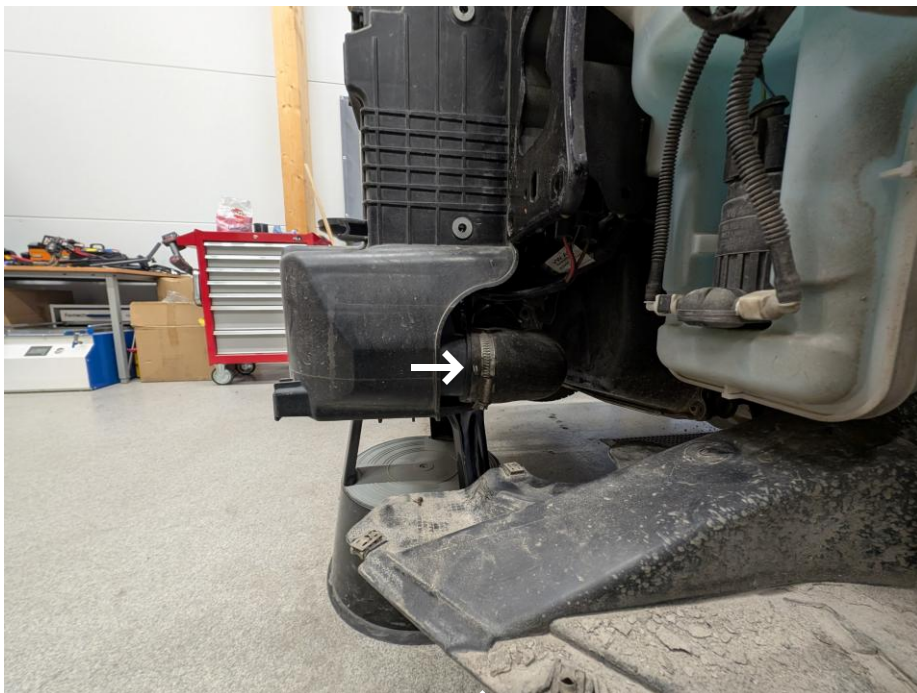
Step 11

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

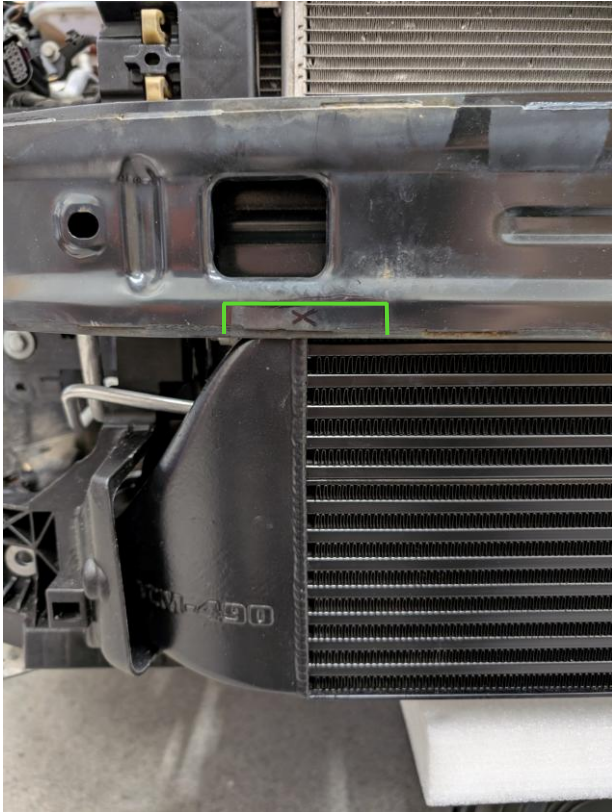
Push the cooling stack into correct position, start with the two upper radiator supports and then fixate the intercooler with the included allen 5mm screws from underneath.

(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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Installation Instruction

Performance Pressure Pipe



VW Polo GTI AW, Audi A1 GB

2.0 TSI, 40 TFSI



Description

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

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 AW 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.

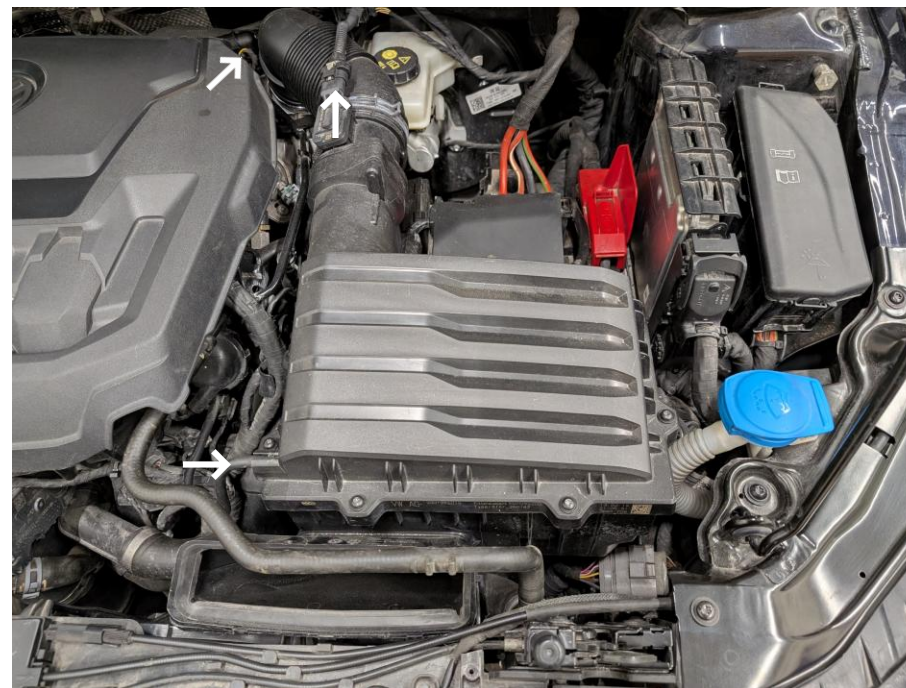
Parts List

1. Pressure Pipe Turbo to Intercooler
2. Pressure Pipe Intercooler to Throttle body
3. Turbo outlet Silicone hose
4. Intercooler inlet Silicone hose
5. Intercooler outlet Silicone hose
6. Throttle body Silicone hose
7. 8pcs Hose clamps
8. 1-2pcs M5x16 Screws



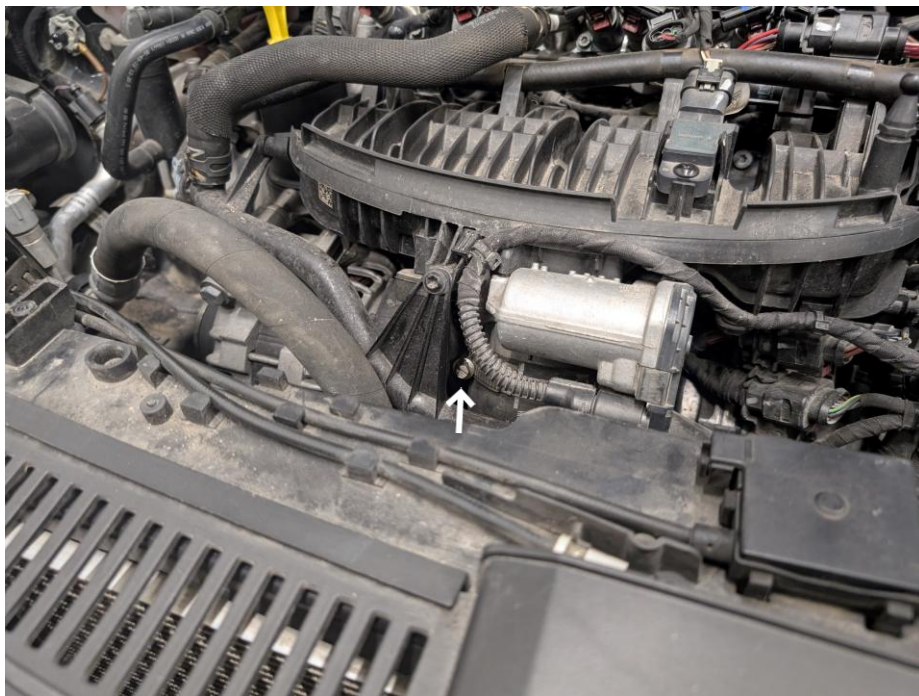
Step 1

Remove the 2x T25 holding the air filter ducting and remove it.



Step 2

Disconnect the vacuum hose from the airbox and the cable connector from the air mass meter. Loosen the spring hose clamp on the turbo inlet elbow, then remove the hose. Remove the airbox from the car by pulling the rear end upwards. Be aware of the drainpipe underneath the airbox.



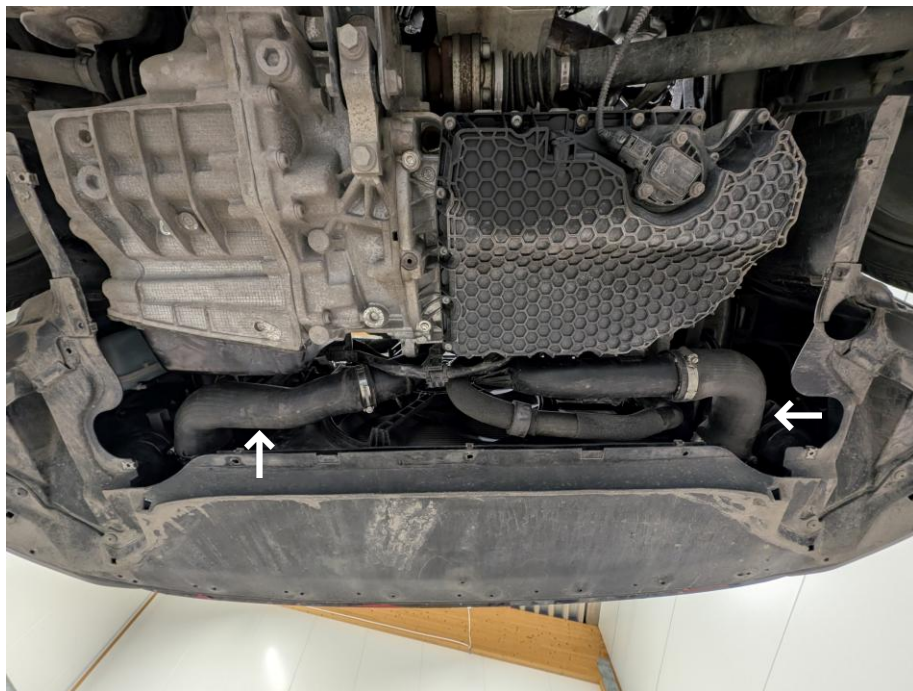
Step 3

Loosen the hose clamp on the throttle body hose.



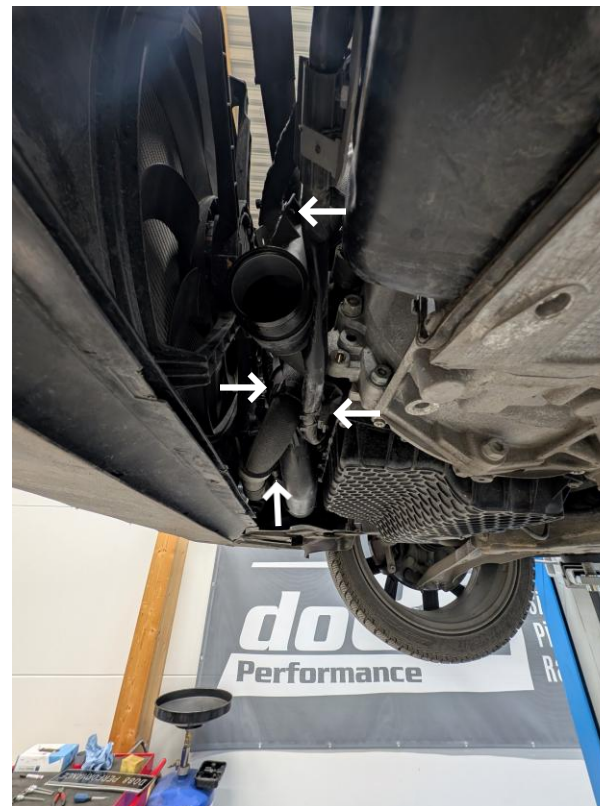
Step 4

Remove 9x Torx T25 screws to remove the undertray.



Step 5

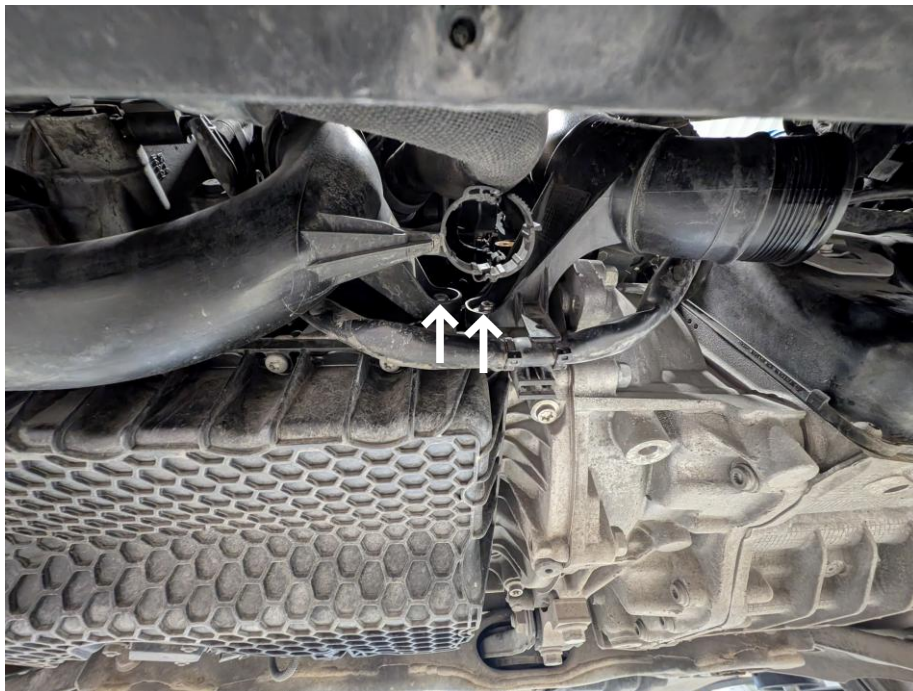
Loosen the hose clamps on both the inlet and outlet hoses of the intercooler and then remove the hoses.



Step 6

Remove the two cable harness clips and radiator hose on the turbo - intercooler pipe.

Disconnect the cable connector to the sensor on the intercooler - throttle body pipe.



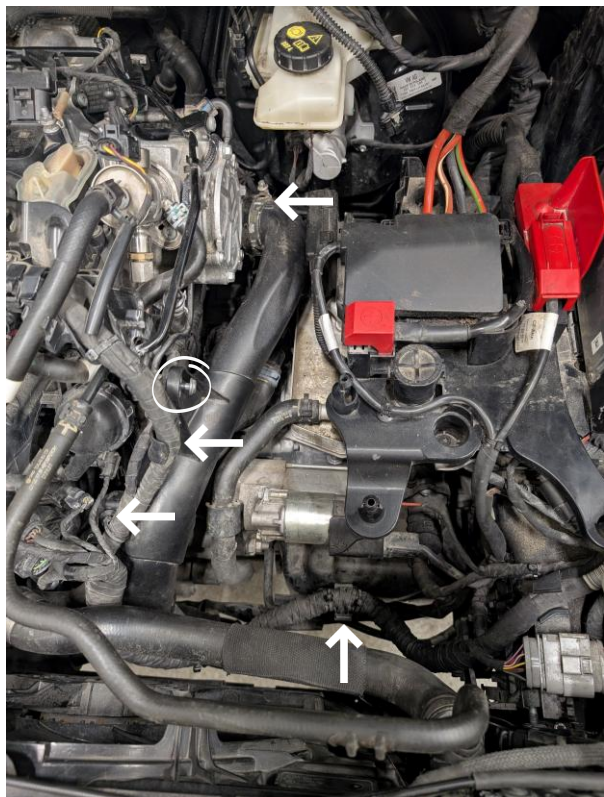
Step 7

Loosen 2x T30 screws located at the bottom of both charge pipes.



Step 8

Remove the second T30 screw holding the intercooler - throttle body pipe. Now remove the pipe from the car.



Step 9

Loosen the hose clamps on the turbo outlet hose. Release the wiring harness retainers marked in picture. Undo the T30 holding the pressure pipe and then remove the pipe.



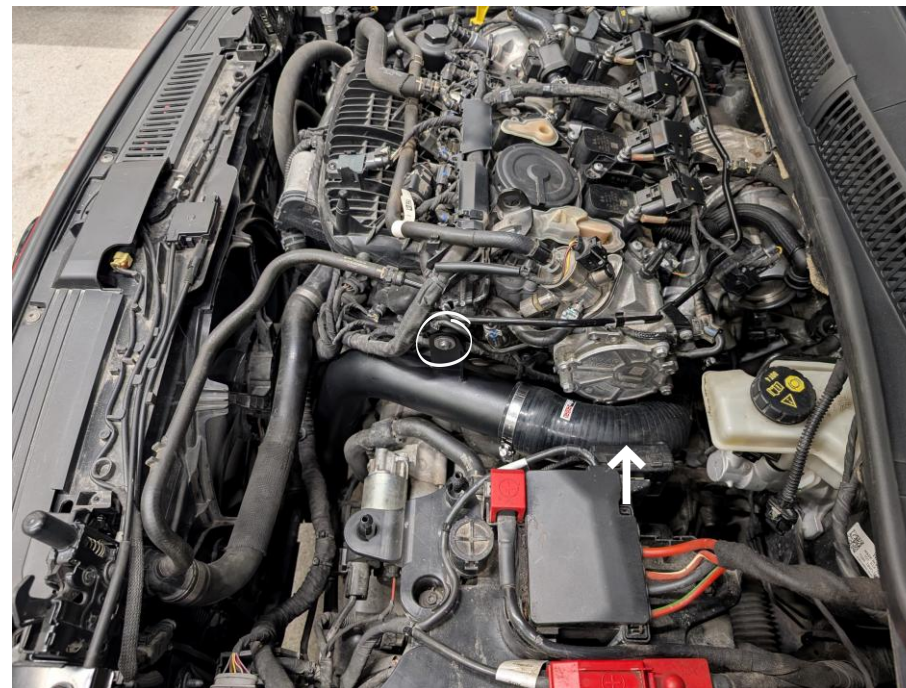
Step 10

Transfer the 4 rubber gromets with sleeves and screws from the OE pipes to the do88 performance pipes.



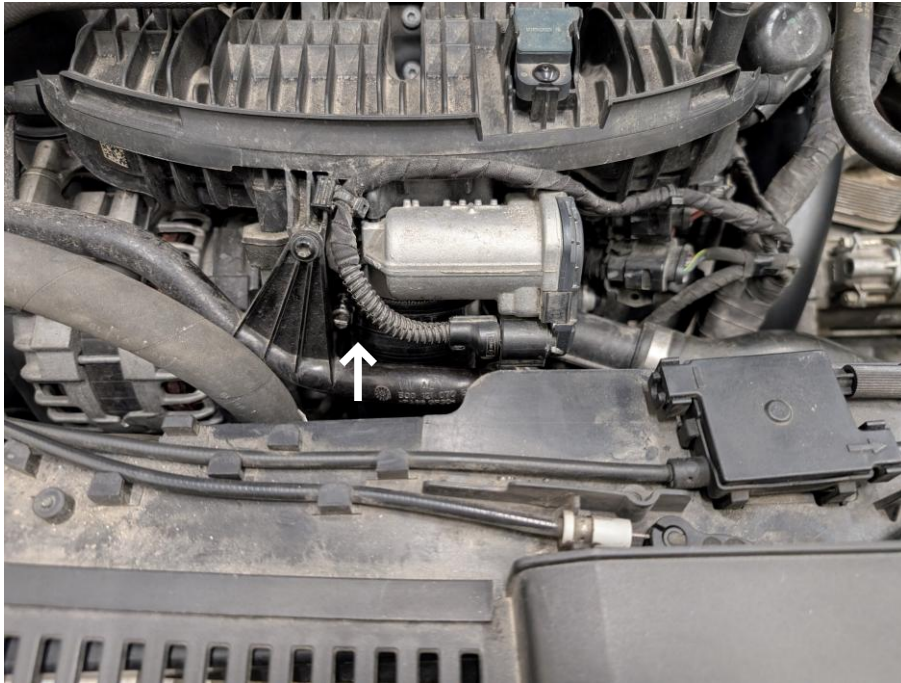
Step 11

Preinstall the throttle body hose and its hose clamps and clock them as the OE hose. Transfer the sensor from the OEM pipe to the do88 pipe and secure it with the included M5x16 T25 screws.



Step 12

Install the turbo - intercooler pipe and connect the hose between this pipe and the turbo. Loosely install the clamps and upper bracket screw.



Step 13

Install the pipe to the throttle body and secure its hose clamp. Then fasten both pipes to the engine.



Step 14

Reconnect the sensor cable connector and install the intercooler inlet and outlet hoses, then tighten all hose clamps.

Reinstall everything in reverse order and make sure everything is tightened!



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