



# Installation Instruction

Performance Intercooler

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PORSCHE

Porsche 911 (992) Turbo, Turbo S

PART NUMBER: ICM-400



## Description

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This instruction shows how to replace the OEM 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.

## Parts List

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- 1pc do88 Performance Intercooler
- 4pcs Carbon fiber air ductings
- 2pcs Intercooler inlet silicone hoses.
- 2pcs Hose clamps 60-80mm
- 2pcs Hose clamps 50-70mm
- Other installation hardware:
  - 2pcs Angled brackets
  - 2pcs Rubber grommets
  - 2pcs Metal sleeves
  - 8pcs O-rings 55mm
  - 4pcs M5x8 screws
  - 4pcs M4x20 screws
  - 2pcs M6x16 screws
  - 4pcs M6x20 screws
  - 2pcs M10x70 screws
  - 2pcs M10 nyloc nuts
  - 2pcs M10 washers
  - 1pc Thread locker
  - 2pcs 150x3,5mm zip-ties
  - 235cm 3x10mm adhesive sealing strip
  - 235cm 2x8mm adhesive sealing strip



## Step 1

Raise the spoiler to its top position.



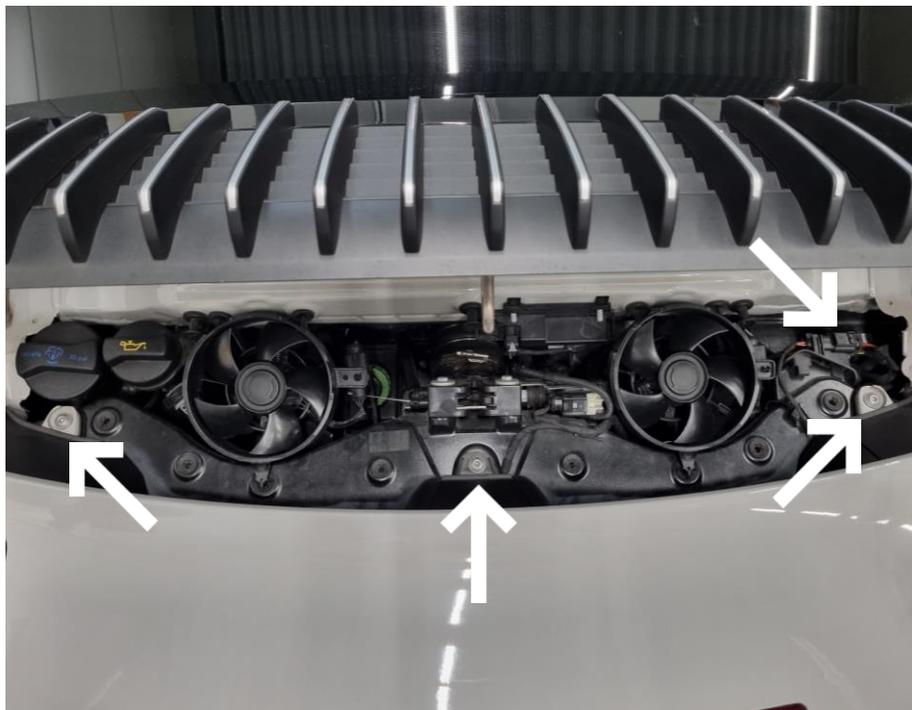
## Step 2

Remove 2x Torx T30 on each side of the spoiler and then remove the spoiler from the car.



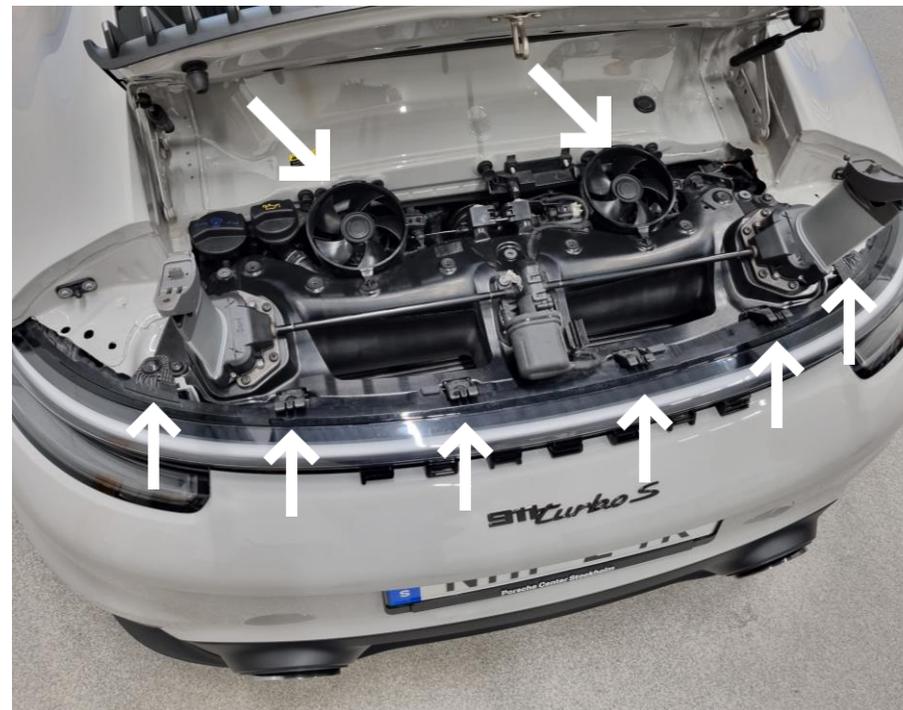
## Step 3

Remove the plastic cover above the fans. You will need to remove the oil cap before you can remove this cover. (Reinstall the oil cap).



## Step 4

Remove 3x Torx T30 screws and disconnect the brake light cable connector. Then gently pull this panel backwards and lift it straight up. Be careful not to damage the paint around the spoiler mechanism.



## Step 5

Remove 6x Torx T30 and then gently pull the taillight backwards and then disconnect 2x cable connectors. Also remove both fans, pull them out of their rubber grommets and disconnect the cable connector.



## Step 6

Remove the outer rear light. 2x Torx T30. Disconnect the cable connector. Do this on both sides.



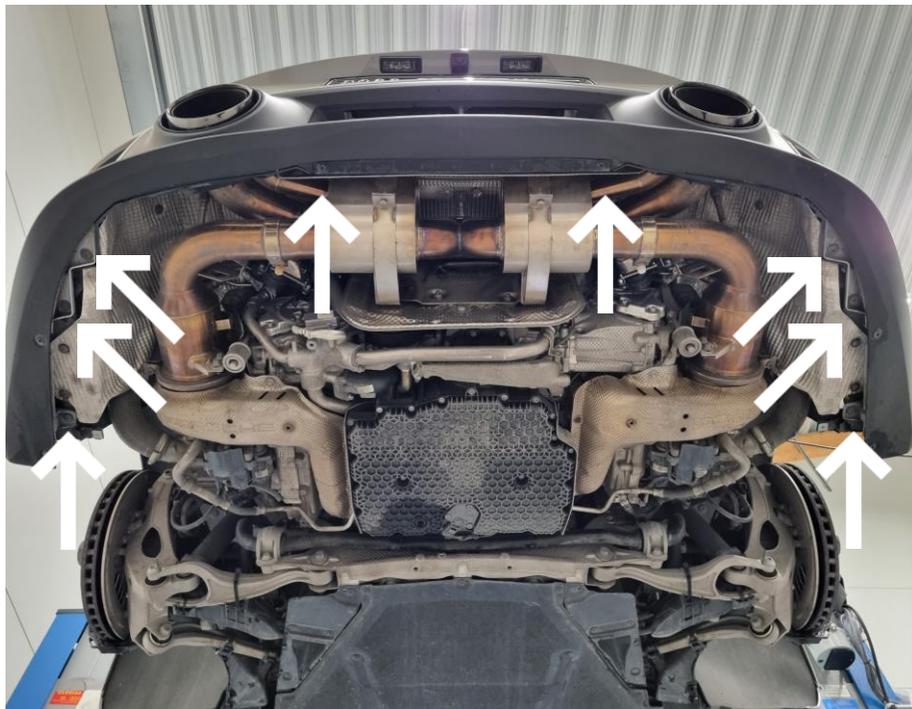
## Step 7

Jack up the car safely and remove both rear wheels.



## Step 8

Remove the rear inner wheel arch plastic on both sides. 5x Torx T25 and 1x Hex 10.



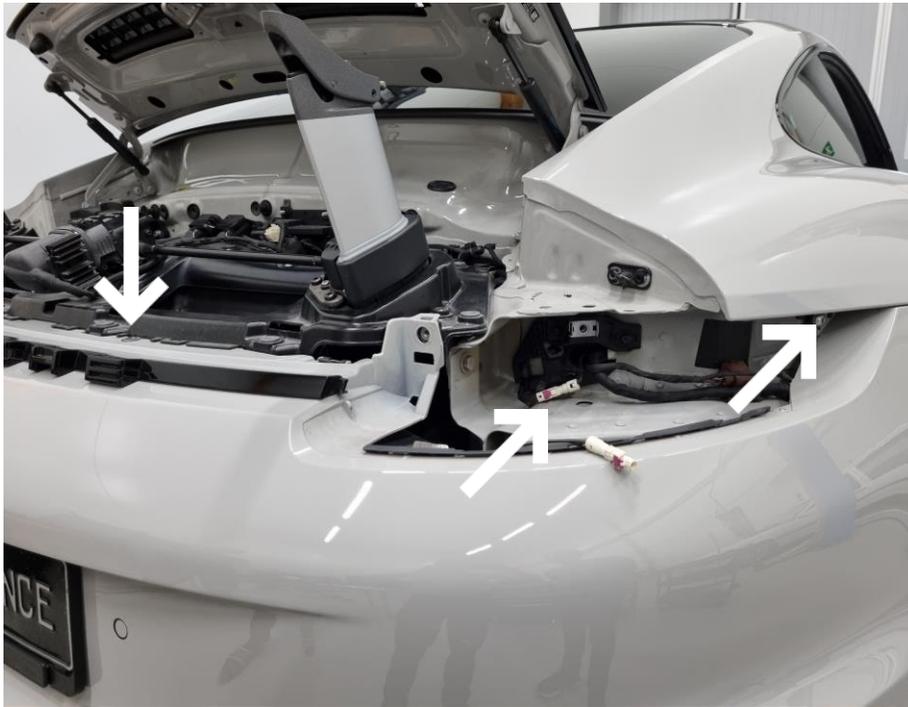
## Step 9

Remove 8x Torx T30 screws located in the bottom of the rear bumper cover.



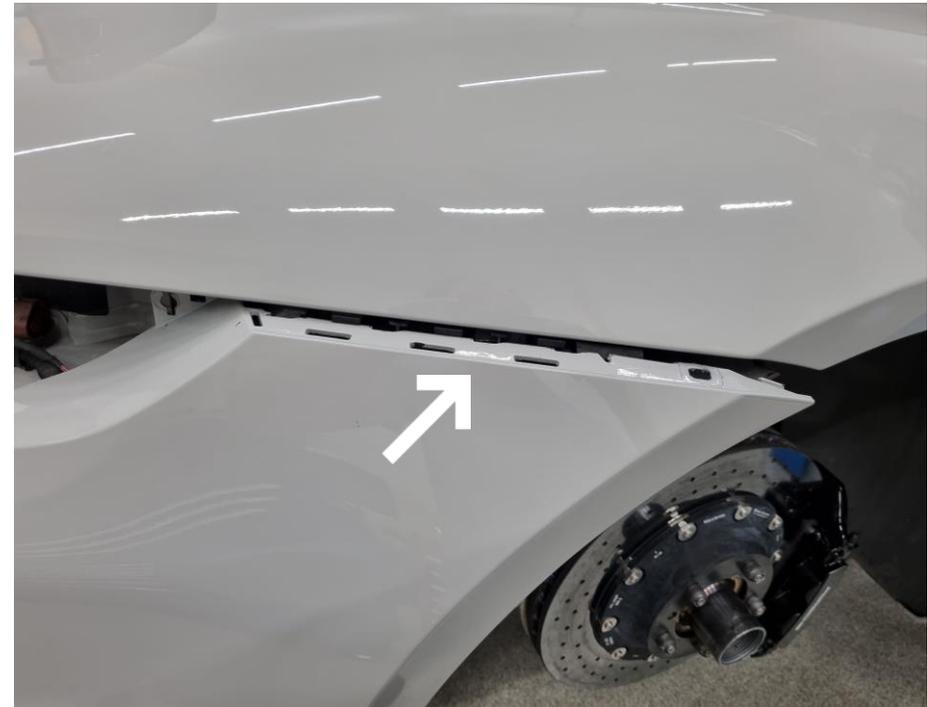
## Step 10

Remove 3x Torx T30 inside the wheel housing. Do this on both sides.



## Step 11

On both sides remove 2x Torx T30 and disconnect 1x cable connector marked on photo.



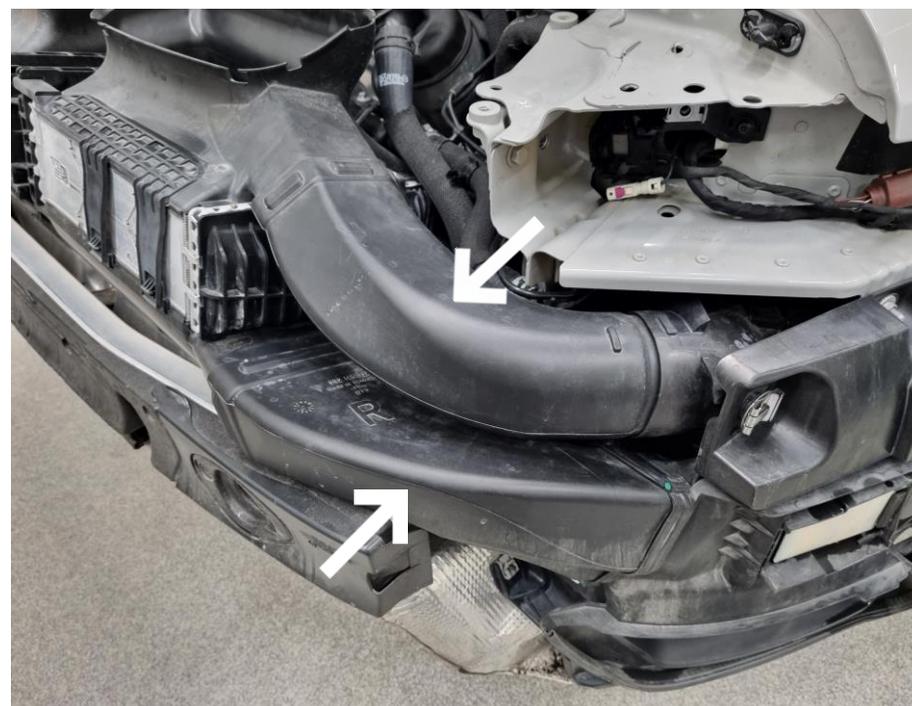
## Step 12

With the help of a friend gently pull the rear bumper wheel arch corners outwards and then remove the rear bumper.



### Step 13

Remove the spoiler mechanism. 4x Torx T45 and 2x cable connectors.



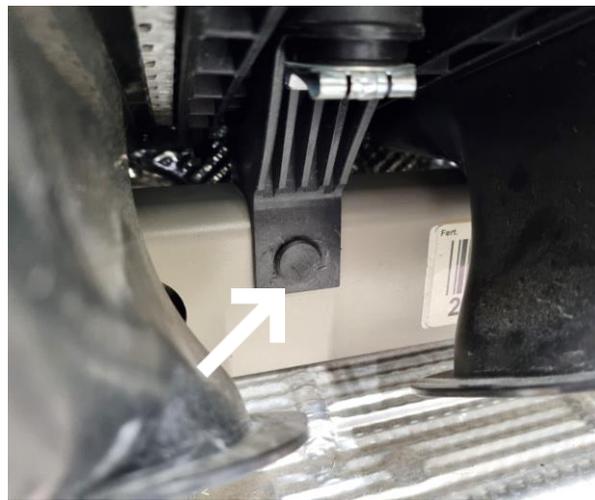
### Step 14

On both sides remove the two air ducts.



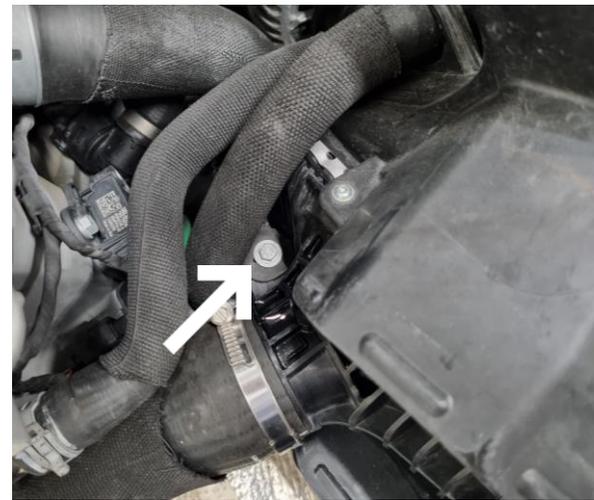
### Step 15

Remove the crash bar. 4x Hex 13mm on each side.



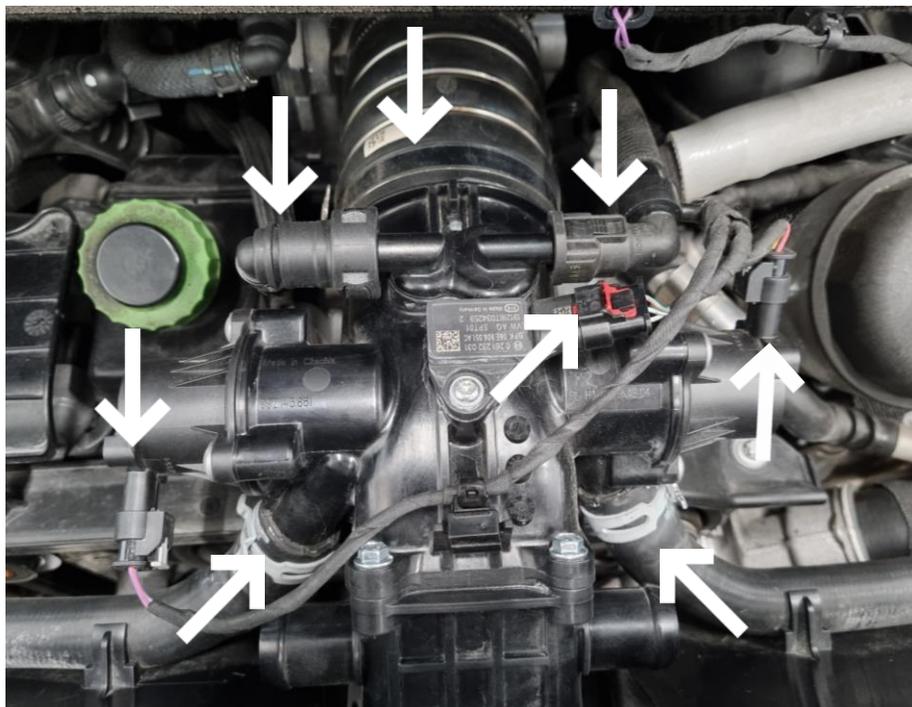
### Step 16

Pull out the plastic pin with suitable pliers.



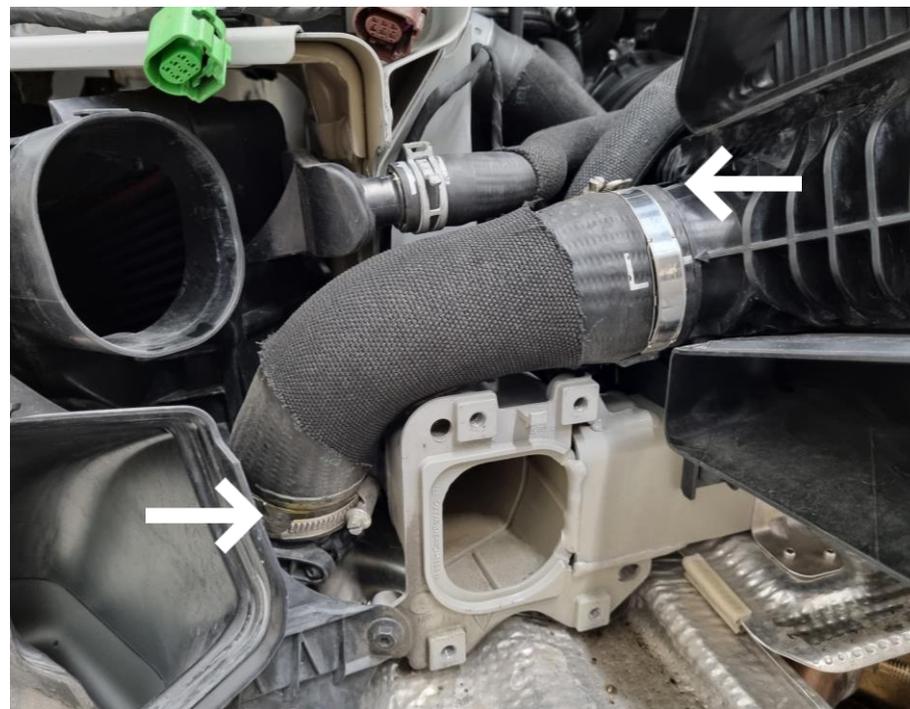
### Step 17

Remove 1x Hex 10mm screws on each side of the intercooler.



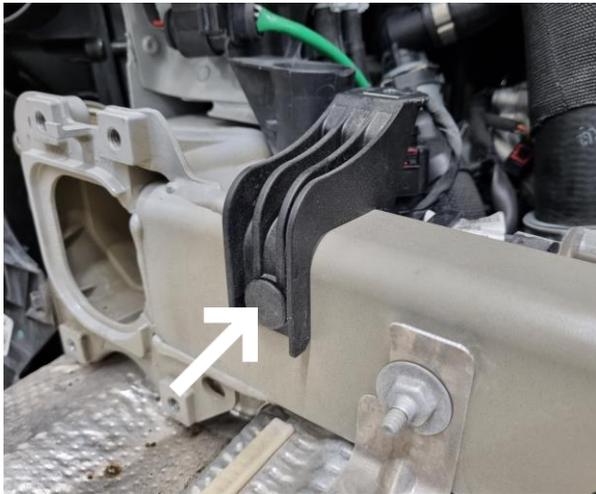
## Step 18

Disconnect 3x cable connector / 1x cable holder / 2 x vacuum lines / 2x rubber hoses to the BOV:s. Also loosen the hose clamp to the throttle body hose.



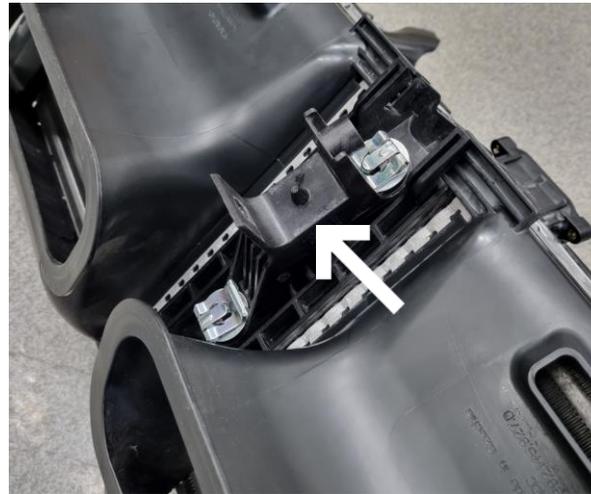
## Step 19

Remove the intercooler inlet hoses on both sides. Then remove the intercooler assembly from the car.



## Step 20

On both sides remove the intercooler brackets, pull out the plastic pin with suitable pliers.



## Step 21

Remove the center bracket from the intercooler, 2x metal clips.



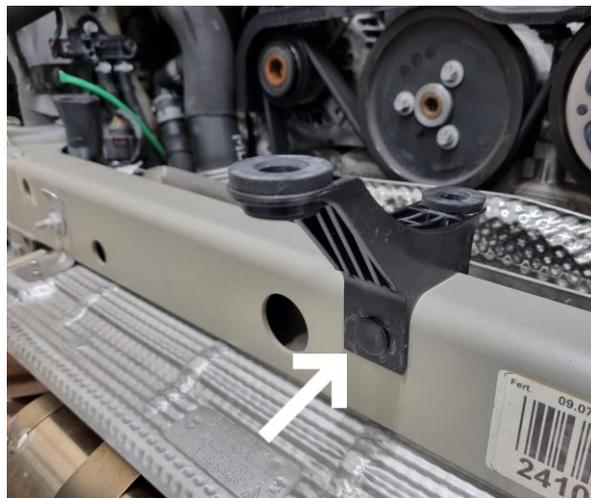
## Step 22

Remove intercooler outlet hose connection body. 4x Torx T25 screws. When it is removed then gently remove the square shaped O-ring sealing from the intercooler.



### Step 23

On both sides of the intercooler assembly remove the small air channels. 3x Hex 10mm.



### Step 24

Reinstall the center intercooler bracket removed in step 21 in the car.



### Step 25

On both the top and bottom side of the do88 intercooler fasten the included 2x8mm adhesive foam strip above the welding line (8pcs in total).



## Step 26

On all 4 carbon fiber air guides fasten the included 3x10mm adhesive foam strip on the inside of the lips



## Step 27

Install the intercooler outlet hose connection and O-ring on the do88 intercooler (removed in step 22). Use the 4pcs included M6x20 Allen screws, make sure the O-ring don't get damaged when tightening.

Also install all 4 carbon air guides, gently fasten them with the included (4pcs) M5x8 Allen screws (don't tighten too hard). Also mount the included (8pcs) rubber in-between the air guides.

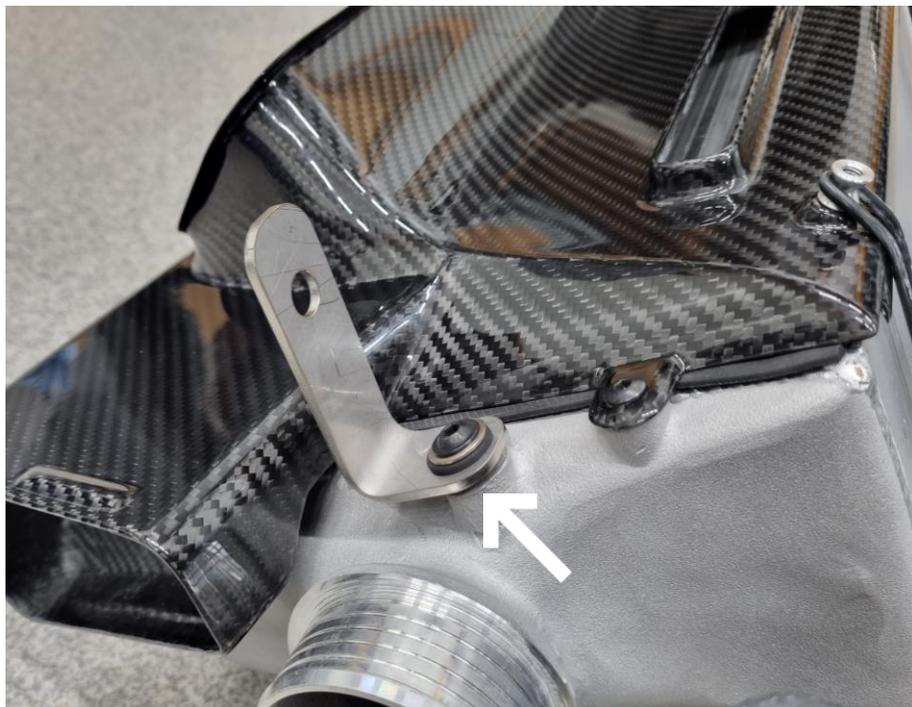
Use some of the included thread locking fluid on all screws in this step.



## Step 28

On both sides of reinstall the small air channels removed in step 23. Use the included M6x8 Allen screws.

Use some of the included thread locking fluid on all screws in this step.



## Step 29

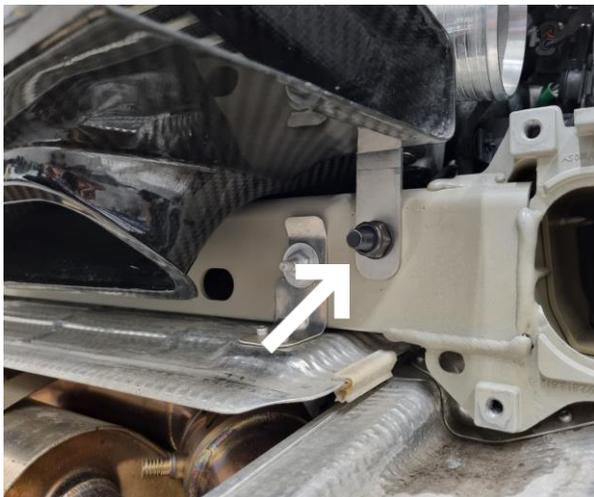
Underneath each intercooler inlet tank install the included brackets.

- Insert rubber grommet inside the large hole
- Insert the stainless-steel sleeve with the collar facing the screw head.
- Fasten the bracket with the included M6x16 screws and the included thread locker.
- The bracket should now have a loose/flexible fit.



## Step 30

Prepare for both outer intercooler brackets, insert the included M10x70mm screws as on the photo.



## Step 31

Gently lift the intercooler package into the car, start with the throttle body hose, then into the center rubber grommets.

Push the M10 screws from previous step into the holes on both brackets, install the included M10 washers and nuts then tighten it when the intercooler is straight horizontally. Do not tighten to hard since it may deform the beam.



## Step 32

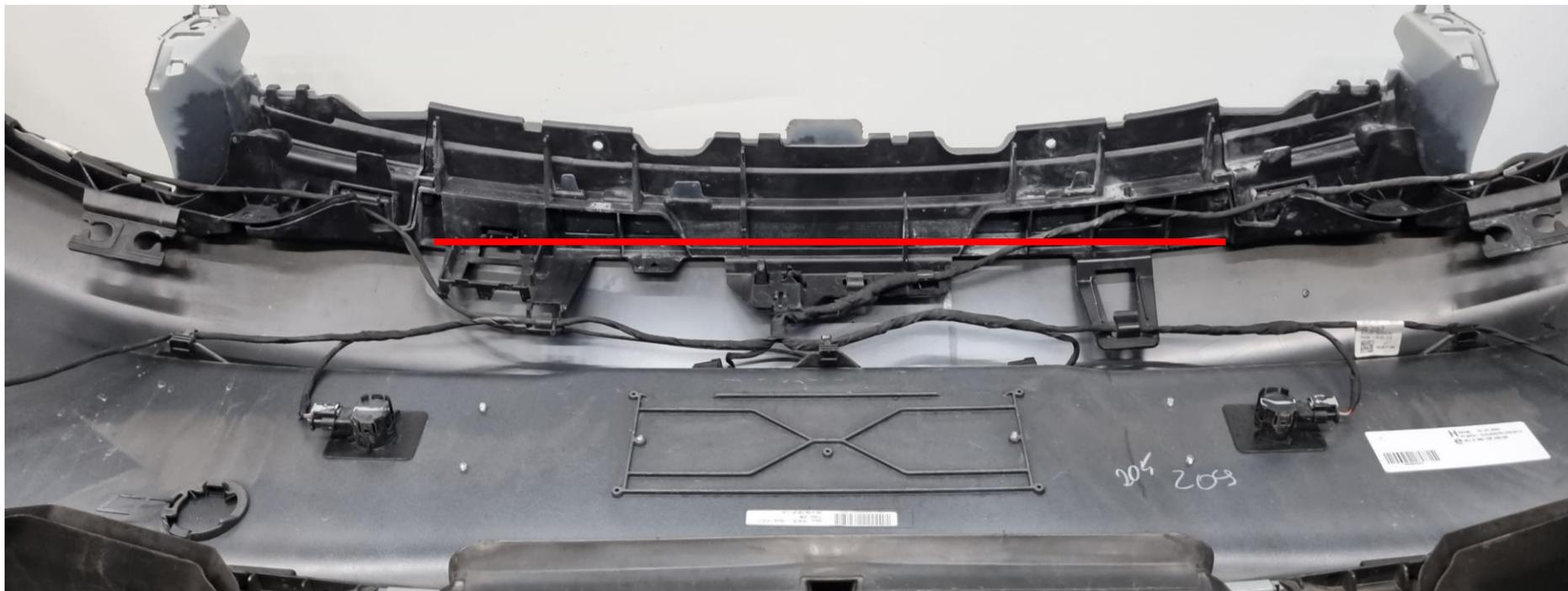
Install the included intercooler inlet silicone hoses on both sides with the included hose clamps.

Make sure the hose clamp screw is rotated as close to the engine as possible since it otherwise will interfere with the air filter ducting.



## Step 33

Tighten the throttle body and BOV hose clamps and reconnect the cable connectors disconnected in step 18.



## Step 34

Inside the upper parts of the rear bumper disconnect the cables from their original position and relocate them behind the plastic tabs on the marked area on the photo below. Fasten the cables with the included zip-ties.

Number of cables and connectors will vary depending on the equipment level of the car.

## Step 35

Install all other parts in reverse order.



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hesitate to contact us: [do88.se/contact](https://do88.se/contact)