

Installation instruction do88 performance Intercooler for Porsche 911 (992) Carrera, -S, -GTS

Part number: ICM-360

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 included:

1. 1pc do88 Performance Intercooler
2. CF air guide upper left
3. CF air guide upper right right
4. CF air guide lower left SportDesign
5. CF air guide lower right SportDesign
6. CF air guide lower left std. bumper
7. CF air guide lower right std. bumper
8. Silicone hoses Intercooler inlet. Hoses included for both OE and do88 pipes.
9. 2pcs Hose clamps 60-80mm 2pcs
10. 2pcs Hose clamps 50-70mm 2pcs
11. Installation hardware, includes:
 - 2pcs Angled bracket
 - 2pcs Rubber grommets
 - 2pcs Metal sleeves
 - 8pcs o-ring 50mm
 - 4pcs M5x8 screws
 - 2pcs M6x16 screws
 - 2pcs M10x70 screws
 - 2pcs M10 nyloc nuts
 - 2pcs M10 washers
 - 1pc Thread locker
 - 224cm 3x10mm adhesive sealing strip



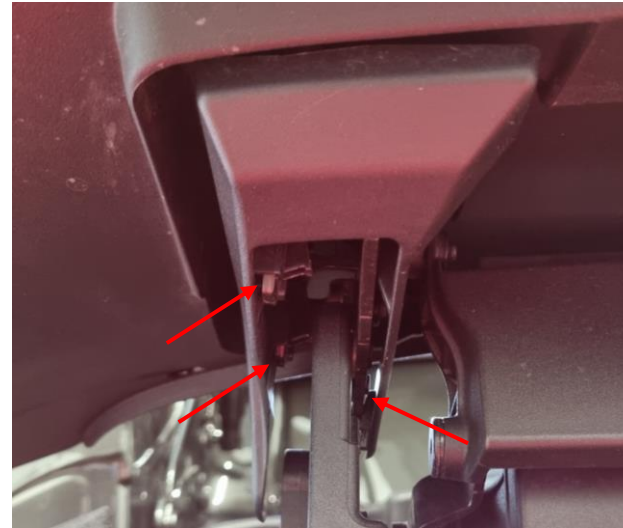
This installation instruction are based on our installation performed on a Porsche 992 Carrera 2020 with standard rear bumper. Other vehicles this product fit to might have some differences in the installation procedure.



1. In the car settings in the center screen, raise the spoiler to its top position.



2. Remove the plastic covers underneath the spoiler. Gently pry the three locking tabs with a screw driver.



3. Remove the brake light from the spoiler. Gently push a short flat screwdriver into the holes in the two marked positions and pry the light loose. Disconnect the cable and separate the cable and grommet from the spoiler.



4. Remove 2x Torx T30 on each side of the spoiler mechanism. Then remove the spoiler by pulling it upwards.



5.

- Fold down the spoiler mechanism (make sure to not pinch the brake light cable)
- Lower the door windows
- Open the front hood
- Turn ignition off and store the key at distance from the car so it don't sense the keyless function.



6.

- Disconnect the negative battery terminal. (If you skip this step, you might get fault code for the spoiler). **Important!** Do not close the front hood until the installation is completed and the battery terminal has been re-connected.



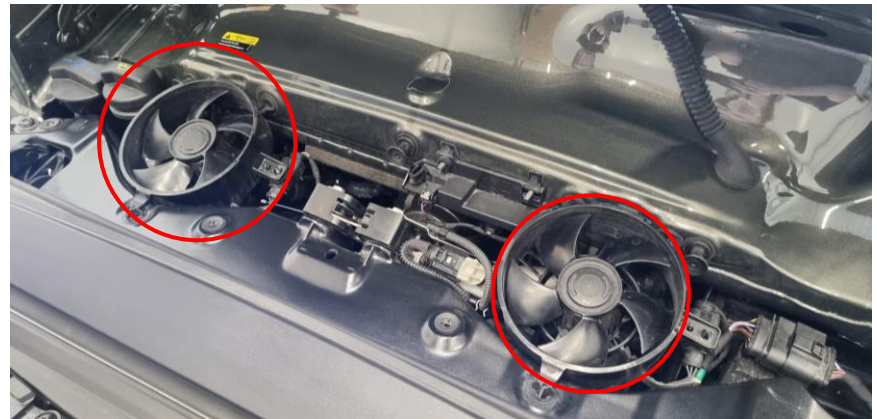
7.

- Remove both plastic covers above the rear lights.
- Remove the plastic cover above the fans. You will need to open engine oil and coolant cap. Make sure engine is cold! before doing this. (Reinstall the caps after plastic cover has been removed).



8.

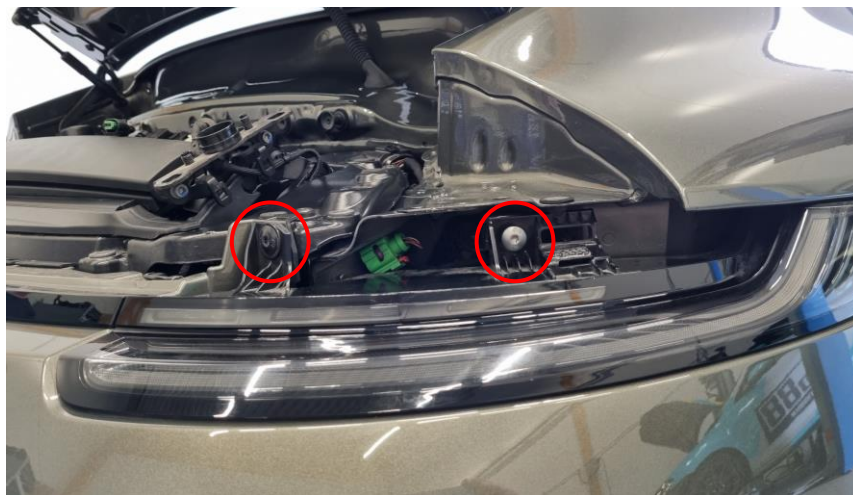
- Disconnect and remove both fans.



9. Remove the large rear light. 6x Torx T30 screws.
Disconnect one cable connector on each side.



10. Remove both outer rear lights. 2x Torx T30.
Disconnect the cable connectors.



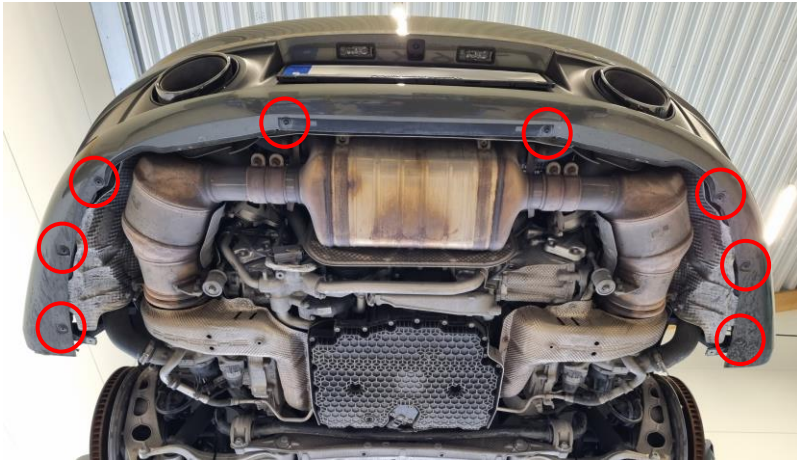
11. Jack up the car safely and remove both rear wheels.



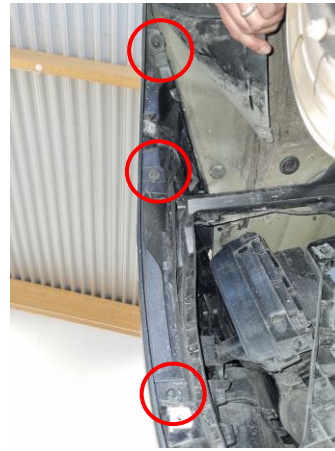
12. Remove the rear inner wheel arch plastic on both sides. 1x Torx T30 / 4x Torx T25 / 1x Hex 10mm plastic nut.



13. Remove 8x Torx T30 located in the bottom of the rear bumper cover. For installation purpose, note that the two in the middle has different threads.



14. Inside each rear wheel housing remove 3x Torx T30 that holds the rear bumper. The upper of these three screws is hidden behind the wheel arch plastic.



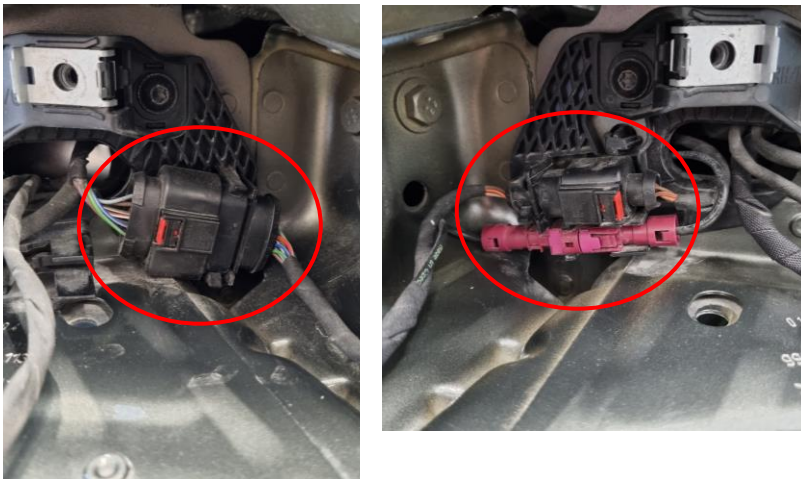
15. Remove 2x Torx T30 located top center of the rear bumper cover.



16. Remove the final two screws for the rear bumper cover located in the space for the rear lights. 1x Torx T30.



17. Disconnect the left and/or right cable connectors for the rear bumper. Number of connectors depends on equipment installed in the car.



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



19. Remove the spoiler mechanism. 4x Torx T45 and 1x cable connector.



20. On both sides remove the two air ducts.



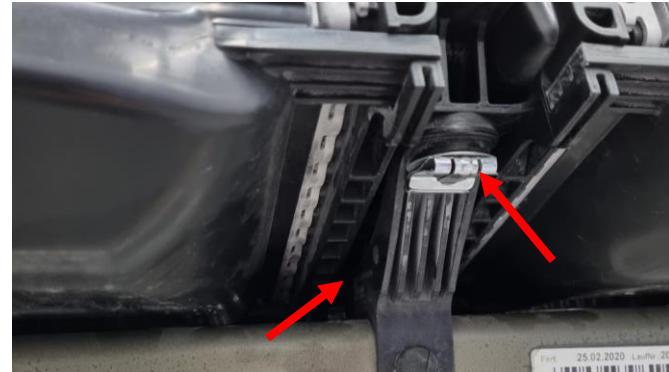
21. Remove the crash bar. 4x Hex 13mm on each side.



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



22. Remove the two clips and washers from the center intercooler bracket. It is a tight space to reach the front clip but can be done using two screw drivers.



24. 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.

If the car have noise generator connected to the intercooler outlet tank. Disconnect and discard that system.



25. Loosen hose clamps and then remove the intercooler inlet hose on both sides. Then lift out the intercooler from the car.



26. Remove both plastic intercooler side brackets. Push the plastic locking pins rearwards using a 10mm hex socket as on the photo.



27. Remove the intercooler outlet hose connection body. 4x screws. Also gently remove the square O-ring.



28. Install the intercooler outlet hose connection body and square O-ring removed in previous step onto the do88 intercooler. Fasten it with the included 4x M6x20 screws.



- 29.** Install the included 3x10mm adhesive foam strips along the inside the lips of all four carbon fiber air ducts. The foam strip should be taped over the screw heads.

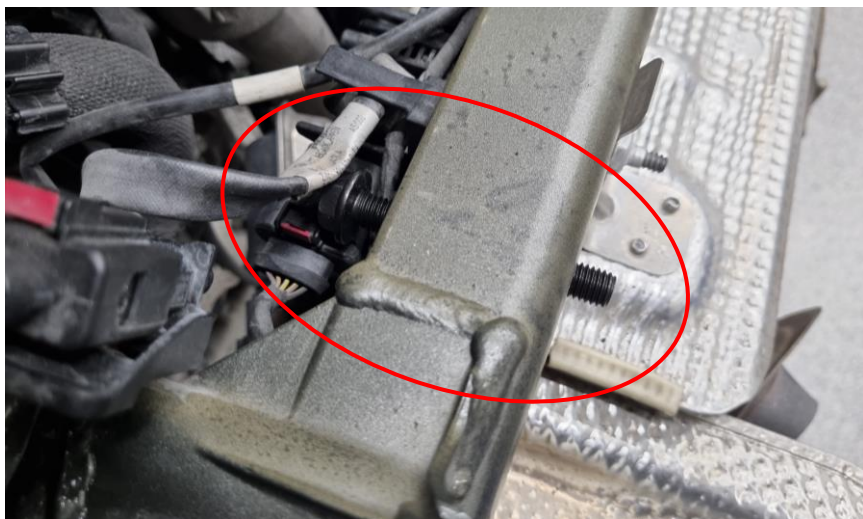


- 31.** Underneath each intercooler inlet tank install the included brackets.
- Insert rubber grommet inside the large hole
 - Insert the stainless steel sleeve with the collar facing the screw head.
 - Fasten the bracket with the included M6x16 screws and the included thread locker.
 - The bracket should now have a loose/flexible fit.

- 30.** Gently install all four carbon fiber air guides.
- Firstly, mount them together with the 8x included rubber bands.
 - Align the holes in the carbon fiber with the screw holes in the intercooler tanks.
 - Fasten the carbon fibers with the included M5x8mm screws. Use the included thread locker, tighten carefully to avoid damage to the carbon fiber.



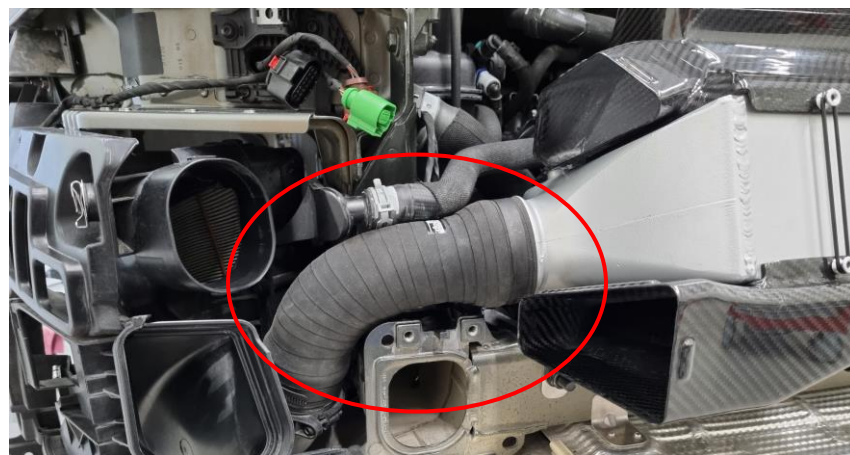
- 32.** Prepare for both outer intercooler brackets, insert the included M10x70mm screws as on the photo.



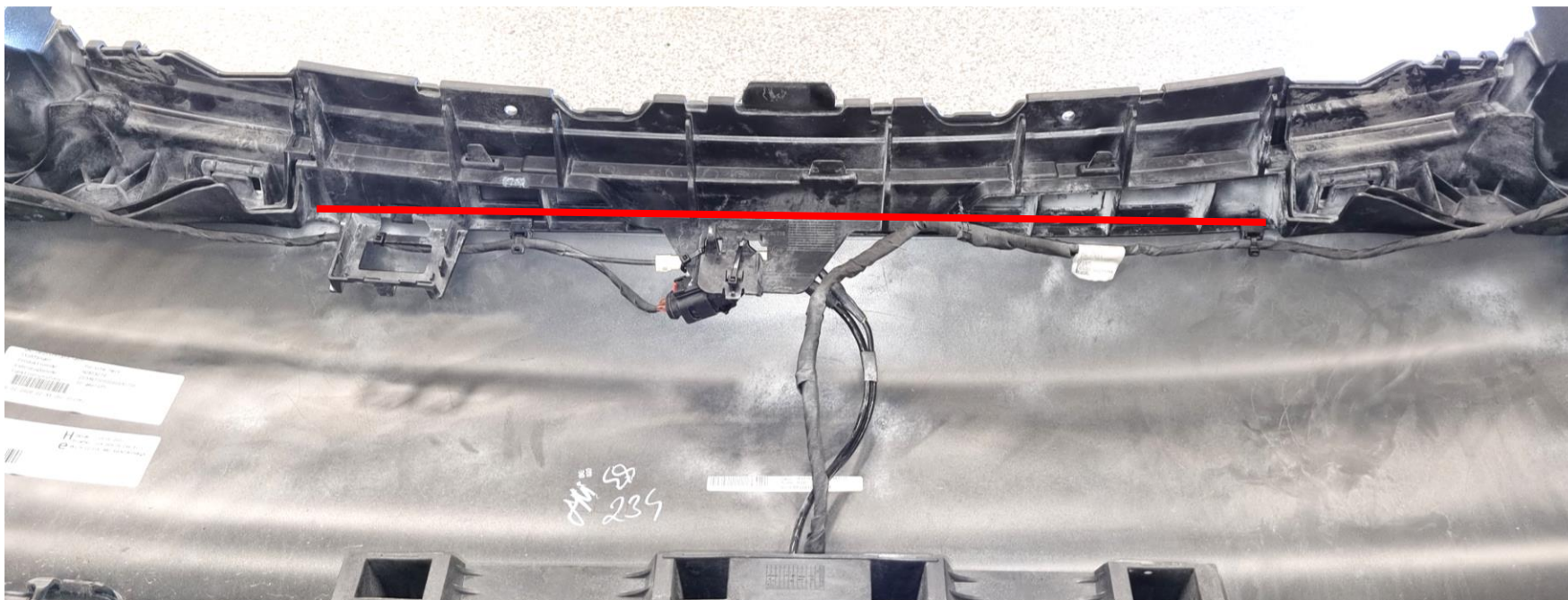
- 34.** Tighten the throttle body and BOV hose clamps and reconnect the cable connectors disconnected in step 24.

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

- 33.** 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. Do not tighten to hard since it may deform the beam.



36. 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.



37. Install all other parts in reverse order.