



Installation Instruction

do88 BigPack

PORSCHE

Porsche 911 Carrera (991.2)

Carrera / Carrera S / Carrera GTS / Carrera 4 / Carrera 4S / Carrera 4 GTS

PART NUMBER: BIG-450



Description

This instruction shows how to replace the OE intercooler and Y-pipe with do88 performance intercooler and Y-pipe. 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 a Porsche 911 Carrera 4S (2017) 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.

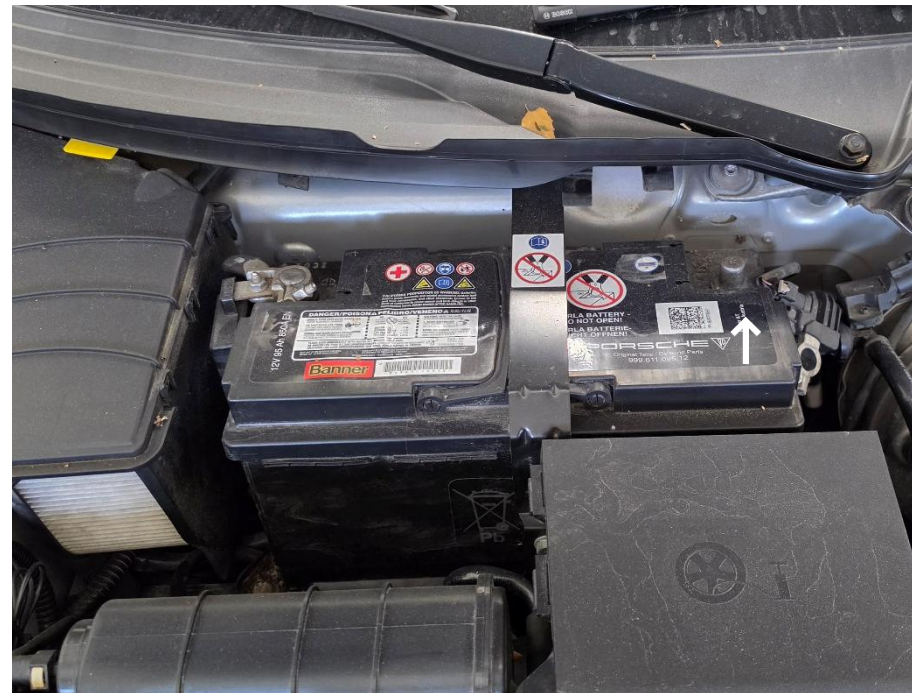
Parts List

1. do88 Performance Intercooler (Left)
2. do88 Performance Intercooler (Right)
3. Carbon fiber air ducting (Left)
4. Carbon fiber air ducting (Right)
5. Silicone hose intercooler inlet (Left)
6. Silicone hose intercooler outlet (Left)
7. Silicone hose intercooler inlet (Right)
8. Silicone hose intercooler outlet (Right)
9. M6x16 Screw (6pcs)
10. M6 Washer (6pcs)
11. Sealing strip 8x2mm (150cm)
12. Sealing strip 10x10mm (82cm)
13. O-ring (8pcs)
14. Hose clamp 40-60mm (4pcs)
15. Hose clamp 60-80mm (4pcs)
16. Performance Y-pipe
17. Silicone hose non return valve
18. Silicone hose non return valve
19. Non return valve
20. Aluminium hose fitting
21. Brass hose fitting
22. Plastic hose fitting
23. 1/8 NPT blanking plug (2pcs)
24. M5x12 screw
25. Hose clamp 14-15mm (2pcs)
26. Hose clamp 15-17mm (2pcs)



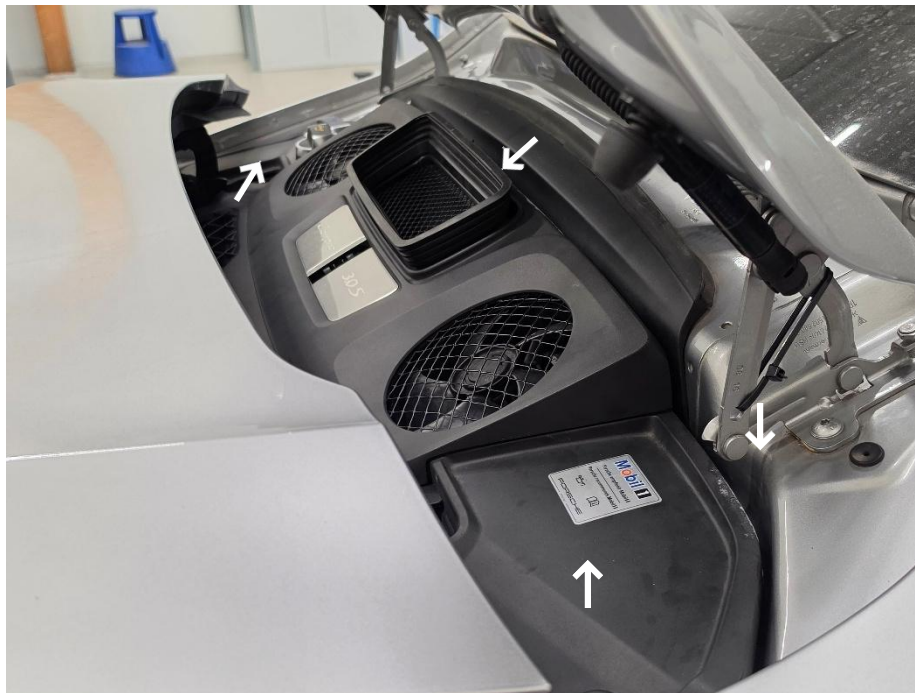
Step 1

Raise the vehicle and remove both rear wheels. Open the engine lid and raise the rear wing.



Step 2

Disconnect the battery negative terminal.



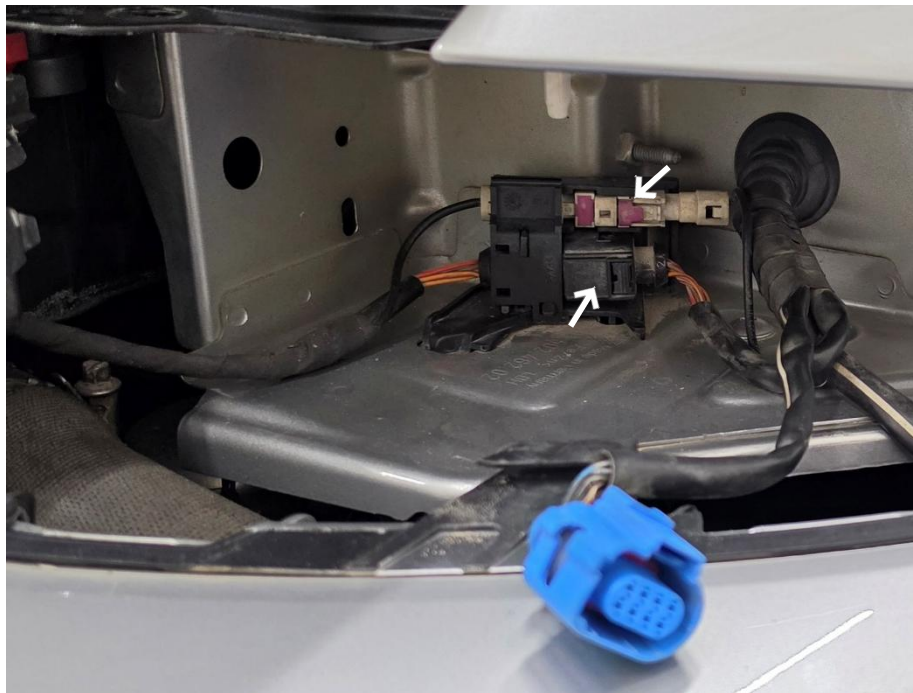
Step 3

Remove the three engine covers, starting with the larger center cover. To remove the left cover, first remove the oil and coolant caps.



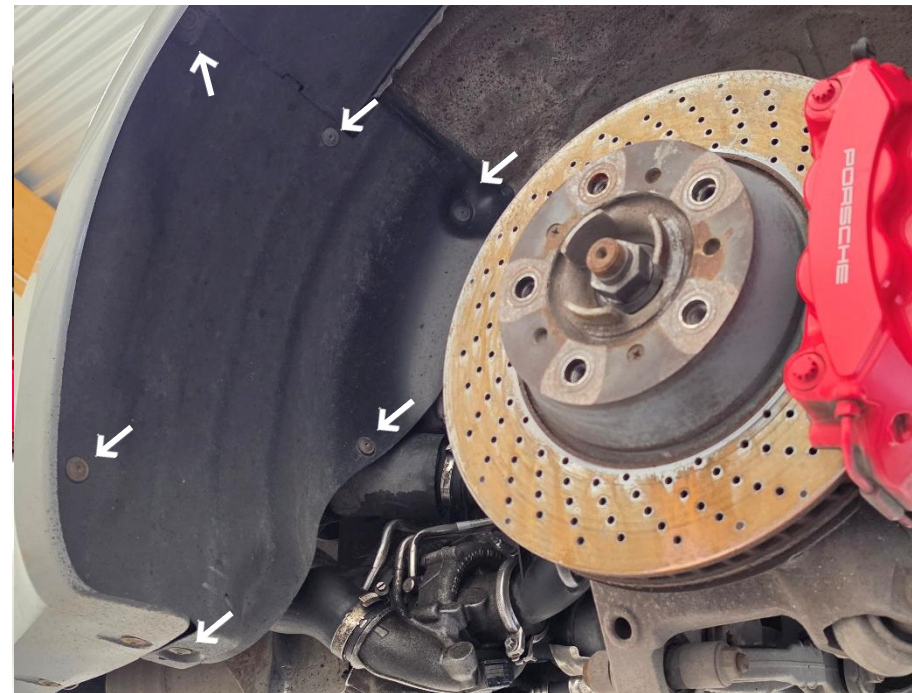
Step 4

Remove both tail lights by removing the two T25 Torx screws, then pull the light straight rearward and disconnect the electrical connector.



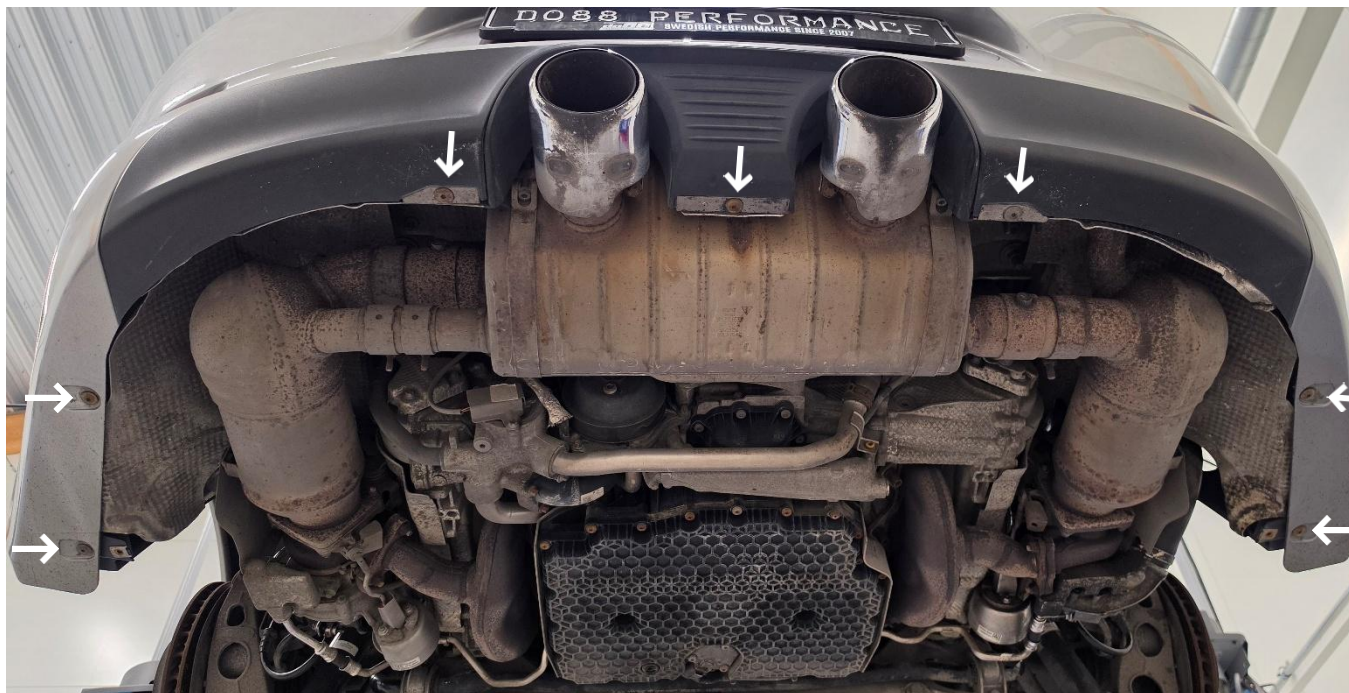
Step 5

Disconnect the rear bumper electrical connectors. There are two on the right side and one on the left, located in the tail light openings.



Step 6

Remove the inner wheel arch liners on both sides. Each liner is secured with five T25 Torx screws and one T30 Torx screw underneath.



Step 7

Remove the seven T30 Torx screws along the bottom edge of the bumper.



Step 8

Remove the two T30 Torx screws inside each wheel arch.



Step 9

Remove one Torx T30 screw on each side.



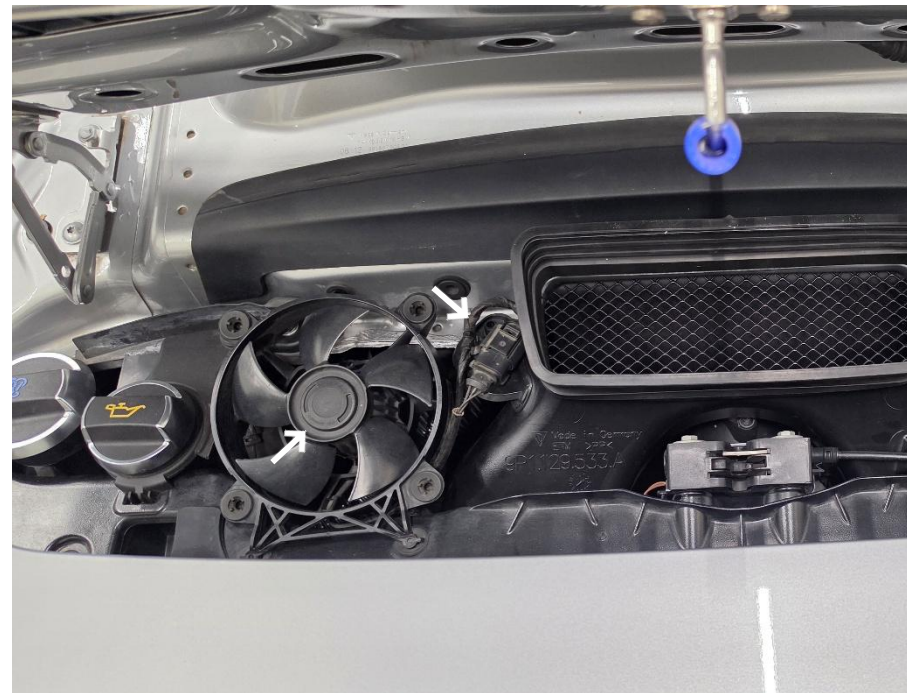
Step 10

Remove the four T25 Torx screws from the top edge of the bumper.



Step 11

Gently release the front edge of the bumper from the fender on both sides, as shown in the photo. Then remove the bumper from the car.



Step 12

Disconnect the fan electrical connector, then remove the fan. Repeat on both sides.



Step 13

Release the radiator cap bracket by removing the 10 mm hex screw and plastic clip. Also release the fan wiring clip from the air duct on both sides.



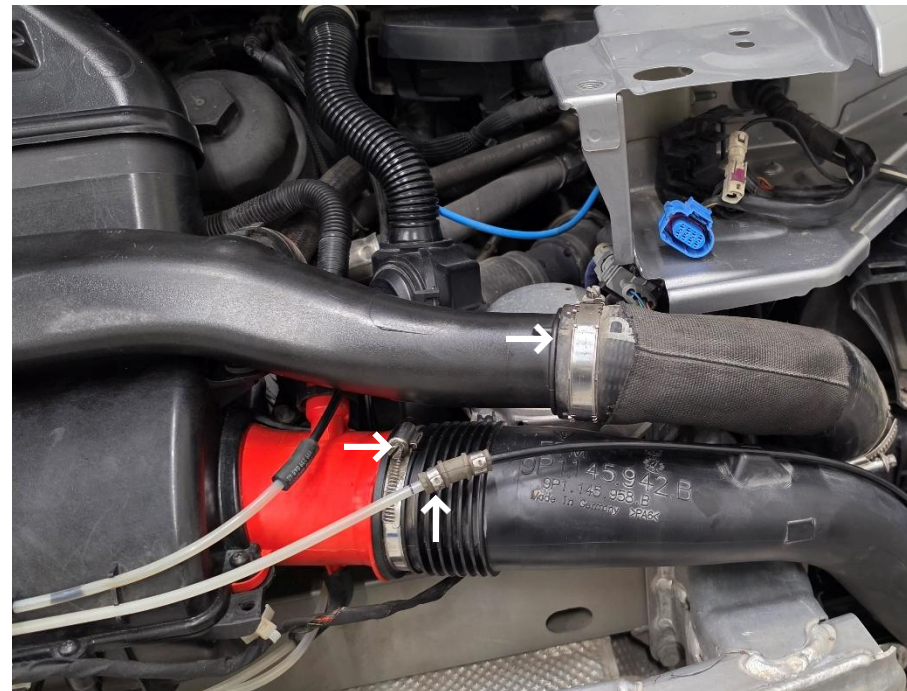
Step 14

Remove the two T45 Torx screws securing the spoiler mechanism on both sides. Then remove the spoiler mechanism.



Step 15

Remove both intercooler fresh-air ducts.



Step 16

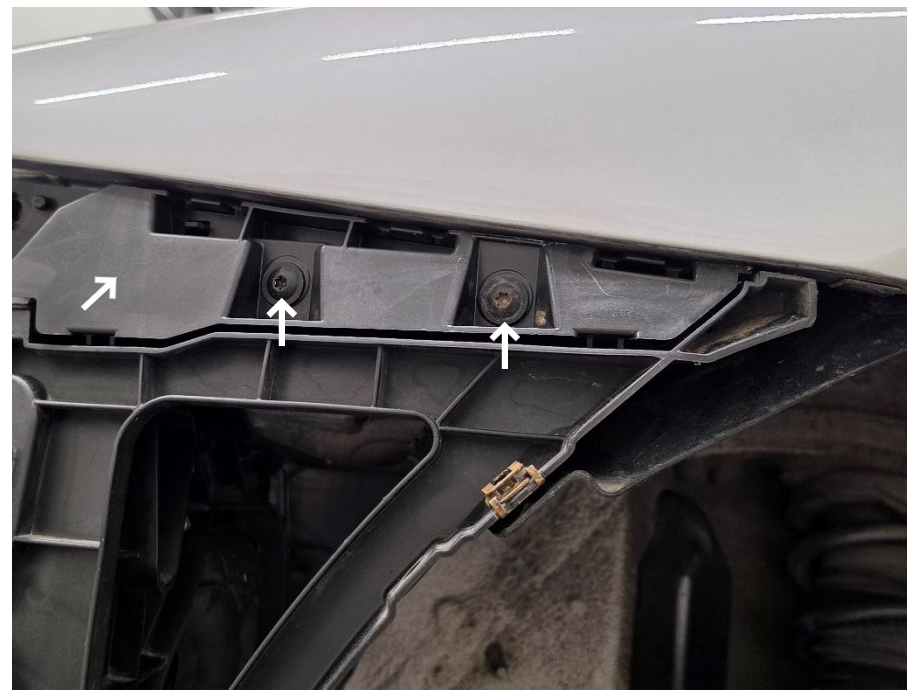
Loosen the hose clamps on the Y-pipe connection, turbo inlet tube at the air filter, and vacuum hose, then pull the hoses off their connections. Repeat on both sides.



Step 17

Remove the turbo inlet elbows on both sides by loosening the hose clamp and removing the E10 Torx V-band clamp. On the right side, also disconnect the breather hose from the turbo inlet elbow.

Then loosen the hose clamp for the turbo outlet hose and pull the hose off its connection. Repeat on both sides.



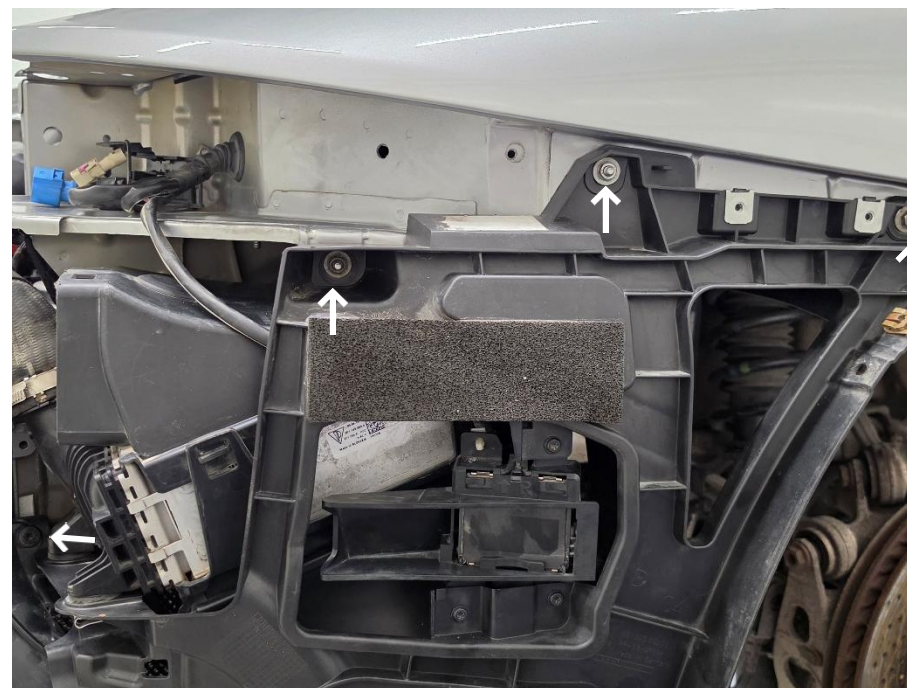
Step 18

Remove the rear bumper brackets shown in the photo by removing the two T30 Torx screws. Repeat on both sides.



Step 19

Loosen the exhaust heat shield from the intercooler frame by removing the two T25 Torx screws from underneath and the one T30 Torx screw from behind. Repeat on both sides.



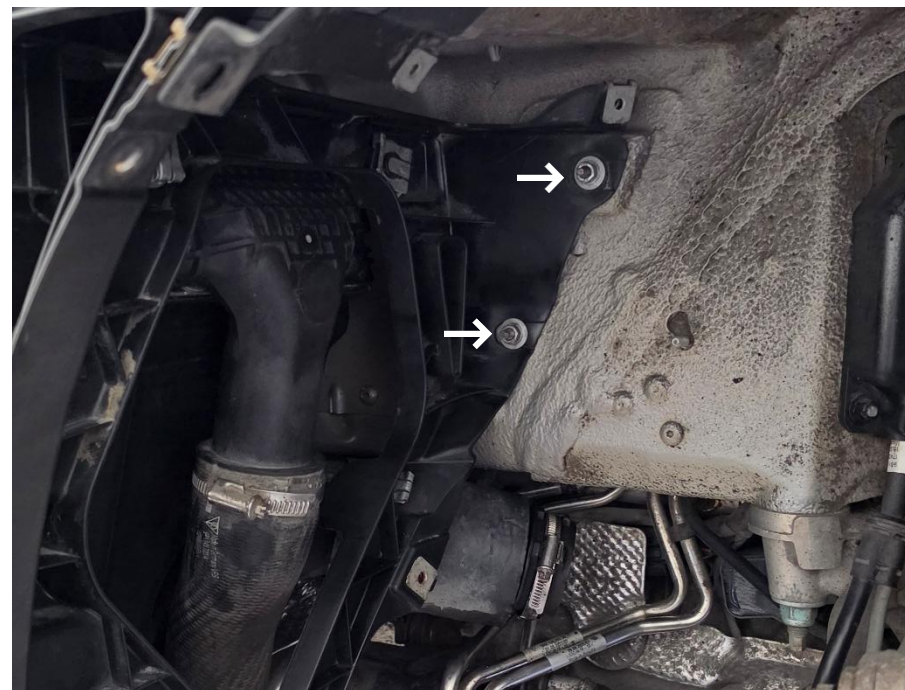
Step 20

Remove the four 10 mm hex nuts and the one 10 mm hex screw from the intercooler frame. Repeat on both sides.



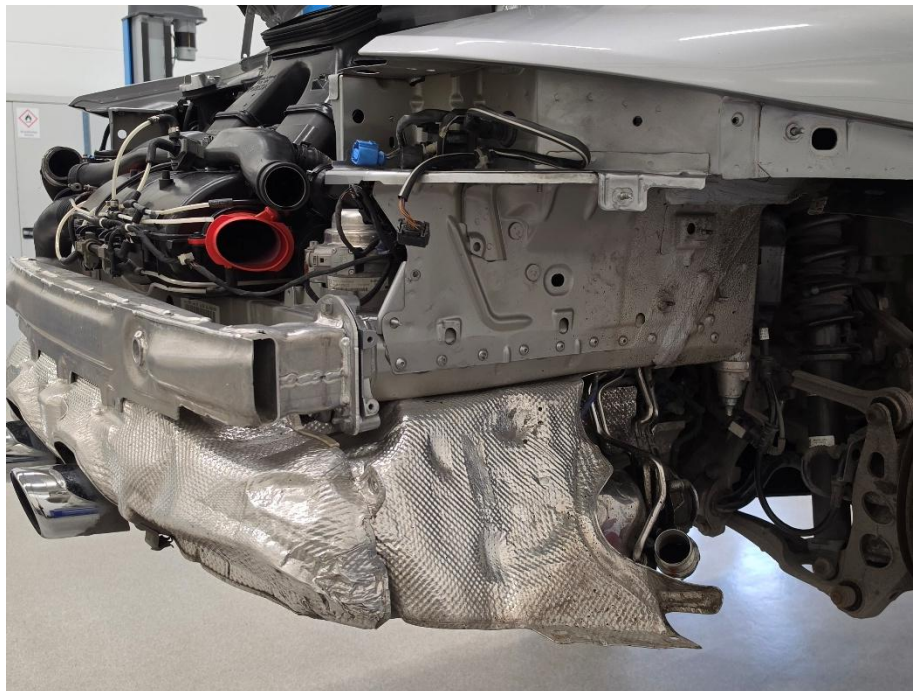
Step 21

Remove the blind spot radar by removing the three Torx T25 screws and disconnecting the cable connector. Repeat on both sides.



Step 22

Remove the two final Hex 10mm nuts on both sides.



Step 23

Now remove the entire intercooler frame assembly on both sides.



Step 24

Remove the three clips shown in the photo on both sides.



Step 25

Remove the two clips shown in the photo on both sides.



Step 26

Disconnect the diverter valve hose from the intercooler tank, then remove the turbo inlet pipe.

Next, remove the intercooler from the frame.

Repeat on both sides.



Step 27

Remove top air guide on both sides.



Step 28

On the top air guide install the supplied 10 × 10 mm self-adhesive sealing strip on the short edges, as shown in the photo. Repeat on both sides.



Step 29

Install the supplied 8 × 2 mm self-adhesive sealing strip along the welding line and the outer edges of the core, as shown in the photo. Repeat on both sides.



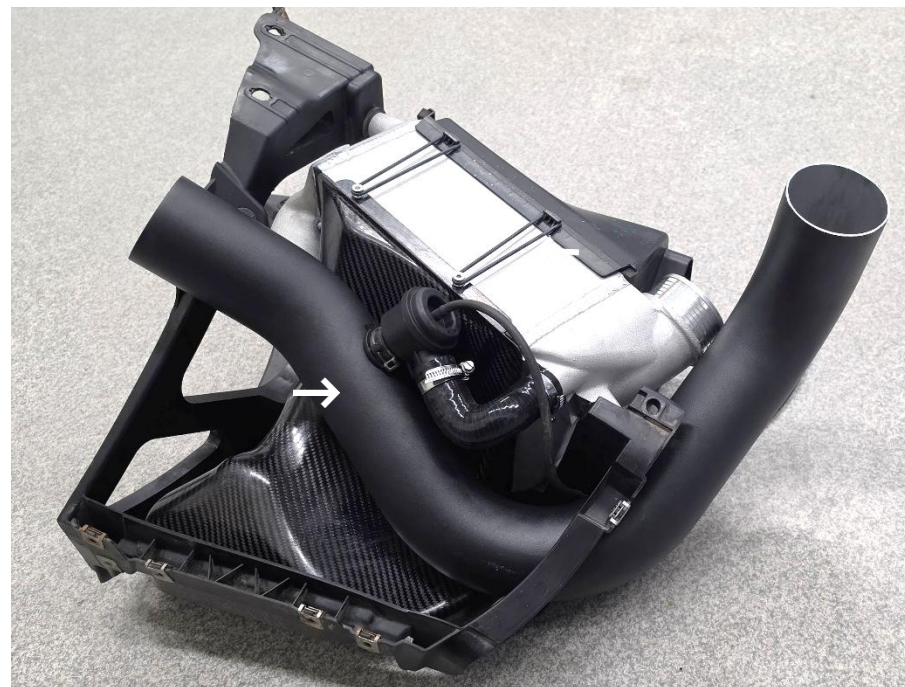
Step 30

Install the OE upper air guide together with the lower carbon fiber air guide using the supplied O-rings, as shown in the photo. Repeat on both sides.



Step 31

Install the intercooler assembly into the frame. Secure it with the supplied M6 screws and washers, using two in the inlet tank and one in the outlet tank. Repeat on both sides.



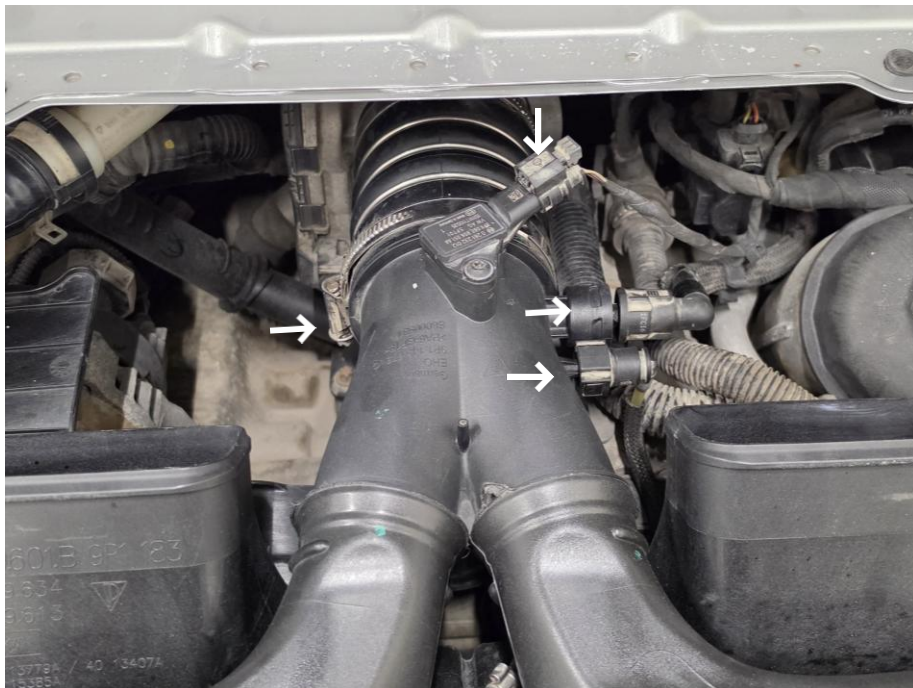
Step 32

Reinstall the turbo inlet tube.



Step 33

Remove air filter fresh-air duct.



Step 34

Disconnect the sensor cable connector, the two hose connections on the right side, and finally loosen the throttle body hose clamp.



Step 35

Loosen the hose clamps and pull the hoses off the symposer connections.

Repeat on both sides and then remove the Y-pipe from the car.



Step 36

Remove the sensor from the OE Y-pipe by removing the Torx T25 screw, then install it in the do88 Y-pipe using the included M5x12 screw.



Step 37

Install the two supplied 1/8 NPT brass plugs in the two front connections, one on each side, as shown in the photo.

Important: Lubricate the plugs with WD-40 or a similar lubricant before threading them in **by hand**. Tighten them using a 5 mm Allen key until approximately **2-3** threads remain visible. Do not overtighten, as this may damage the threads, crack the aluminum, or break the plugs.



Step 38

Install the supplied plastic hose fitting in the left-side connection, as shown in the photo.

Important: Lubricate the plastic fitting with WD-40 or a similar lubricant before threading it in **by hand**. Tighten it using an 11 mm hex socket until approximately 4–5 threads remain visible. Do not overtighten, as this will crack the plastic!



Step 39

Assemble the parts as shown in the photo using the two silicone hoses, non-return valve, aluminum hose fitting, two 14–15 mm hose clamps, and two 15–17 mm hose clamps.

Use the 14–15 mm hose clamps on the straight silicone hose.

Important: The arrow on the non-return valve must point toward the aluminum hose fitting.



Step 40

Install the hose assembly from the previous step onto the plastic fitting, as shown in the photo.



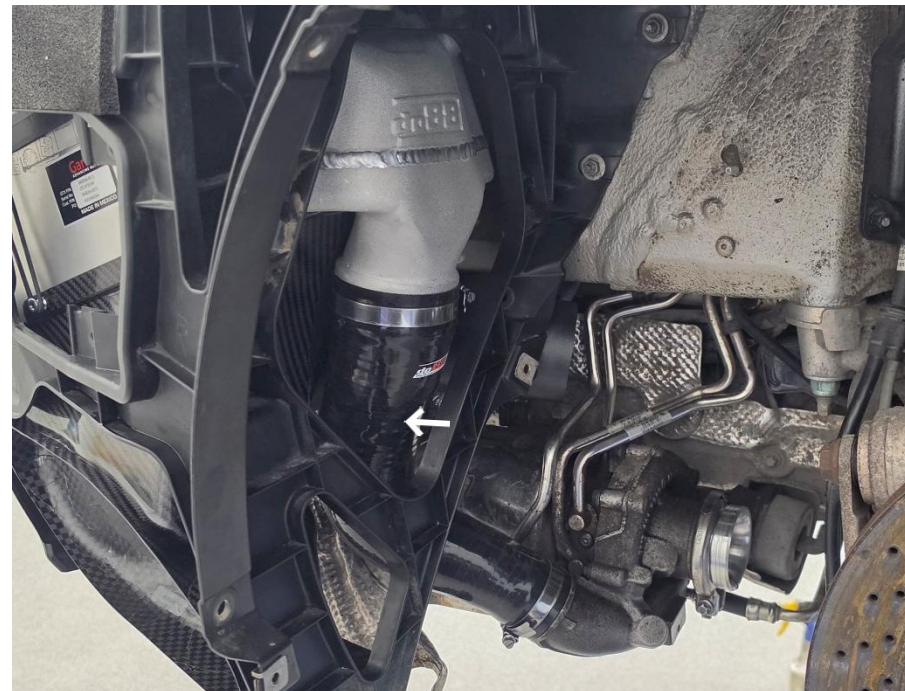
Step 41

Install the Y-pipe into the car.



Step 42

Install the intercooler assembly in the vehicle and secure it using the five 10 mm hex nuts and one 10 mm hex screw removed in steps 20 and 22. Repeat on both sides.



Step 43

Install the four supplied silicone hoses and secure them with the supplied hose clamps.



Step 44

Remove the OE seal from the lower air guide and reinstall it on the carbon fiber air guide. Repeat on both sides.



Step 45

Reinstall all remaining parts in reverse order.



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