

# Installation instruction do88 performance Intercooler kit 911 TT (997.2) 2010-2012

Part number: ICM-230

This instruction shows how to replace the OEM intercoolers with do88 performance intercooler kit.

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

Parts included:

1. Left side intercooler
2. Right side intercooler
3. Silicone hose Turbo to Intercooler left side
4. Silicone hose Intercooler to Y-pipe left side
5. Silicone hose Turbo to Intercooler right side
6. Silicone hose Intercooler to Y-pipe right side
7. Carbon fiber air guide left side
8. Carbon fiber air guide right side
9. 2pcs O-ring 41mm, 10pcs O-ring 50mm
10. Sealing 3x10mm
11. Sealing 8x2mm
12. Sealing 10x10m
13. 8pcs Hose clamps
14. 8pcs M8 screws, 2pcs M6 screws, 10pcs M8 washers and 2pcs Thread-locking fluid



**1.** Open both the engine lid and luggage compartment lid.  
Disconnect the negative battery terminal.  
Note! Do not close the luggage compartment lid after you have removed the battery terminal.

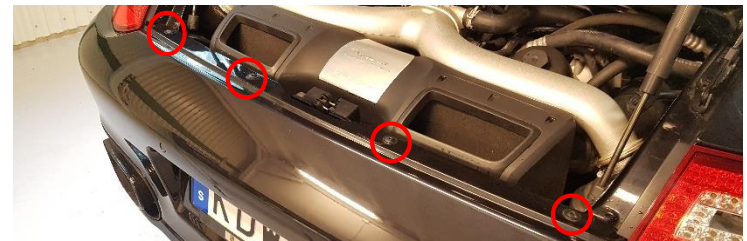
**2.** Lift and secure the car so both rear wheels can be safely removed.



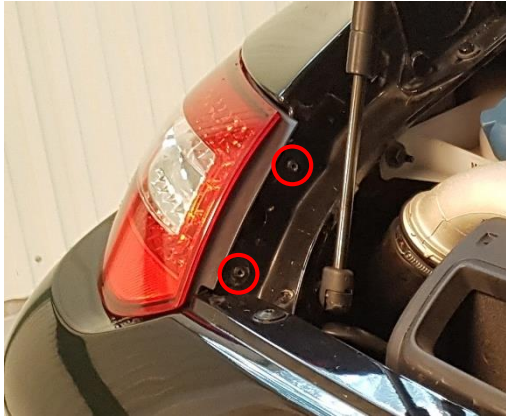
**3.** From each rear part of the rear inner fenders, Remove 5pcs Torx T25 screws.



**4.** Remove the 4pcs Torx T30 along the top of the bumper.



**5.** Loosen 2x Torx T25 and gently pull the rear light straight back. Disconnect the cable connector. Do this on both sides.



**6.** Remove 1pc of plastic Torx T30 screw. After the screw has been removed gently peel away the plastic rivet. Do this on both sides.



**7.** Remove 6pcs Torx T30 screws along the bottom of the bumper.



**8.** Remove 1pcs Torx T30 screw in the top end of the bumper inside each wheel housing.





9. Now remove the rear bumper. With the help of a friend, gently pull each corner of the bumper out from the wheel house edge a bit. Then pull the bumper straight back. Disconnect the cable going to the bumper.

10. Remove the Y-pipe.  
6pcs hose clamps  
1pc cable connector  
1pc vacuum line click connection.

11. Remove the air filter box. Loosen the two hose clamps to the turbo inlet pipes. Lift the air filter box straight up.

12. Remove 1x Hex 10mm screw on both sides.



13.

Remove the intercooler outlet hose (upper) from the intercoolers on both sides by prying out the quick coupling lock clips with a flat screwdriver about 10mm and then pull hose out.

Remove the hoses from the turbocharger outlet on both sides by loosening the hose clamps with a 7mm hex socket or 7mm hose clamp screwdriver and then remove hose from outlet.  
(Not on picture)



14.

On both sides, from underneath remove 2 pcs 13mm hex nuts holding the heat shield to the intercooler support frame.

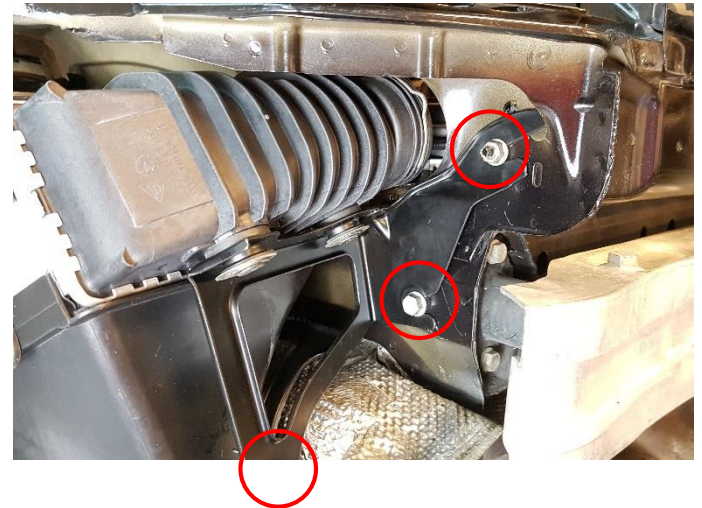
Gently bend the heat shield down so it will free the screws.



15.

Before you perform this step, let a friend hold the the intercooler support frame to prevent it from coming loose before you want it to.

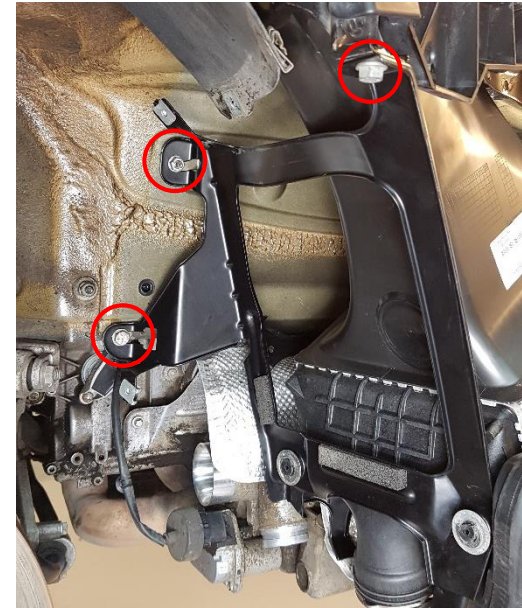
From rear part of intercooler bracket on both sides, remove 1pc Torx T30 screw, 1pc 13mm hex screw and 1pc 13mm hex nut.



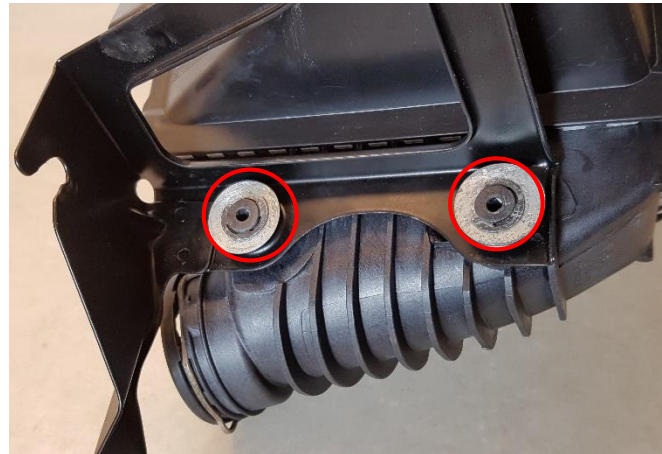


**16.** Remove the two 13mm hex screws and one 13mm nut that holds the front part of intercooler support frame.

Now the intercooler assembly are loose and you can now remove it from the vehicle by moving it forward then pull the rear part out from the vehicle and remove the intercooler with support frame down/rearwards from vehicle. Do this on both sides.



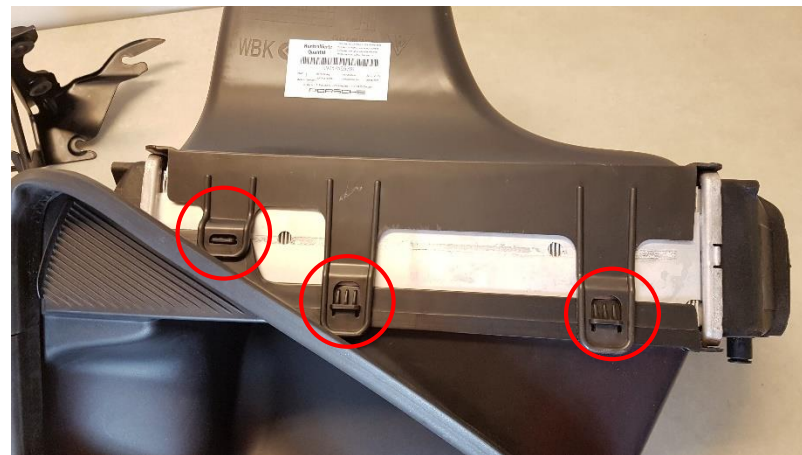
**17.** Remove the 4pcs metal C-clips from each intercooler that holds it in the support frame by prying the C-clip out of the groove in the original intercooler with a flat screwdriver. Then remove all 4 washers.



**18.** Now remove the intercooler from the support frame together with both air guides. First lift the back and then pull it backwards.



**19.** Split the intercooler inlet air guide by unclipping the 6 plastic fasteners that holds it to the outlet air guide with a flat screw driver.



**20.** Cut / grind away the 2 long edges on both lower air guides. Also cut down the 4 corners flat.





21.

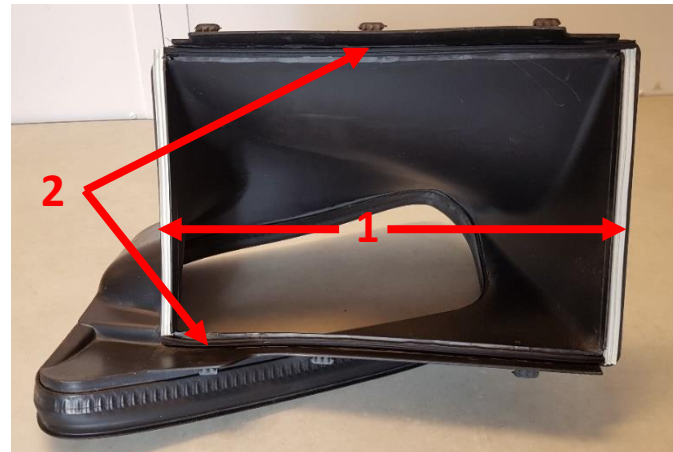
1 of the 6 plastic tabs lacks grooves, it is necessary to make 2 small cuts in this groove to be able to install the upper carbon fiber air duct. Make the cut similar as the other 5 tabs. Do this on both sides.



22.

Attach the included sealing on the lower air ducts. Do this on both sides.

1. 3x10mm
2. 2x8mm



23.

Attach the included 3x10mm sealing along all 4 edges on the carbon fiber air duct. Do this on both sides.





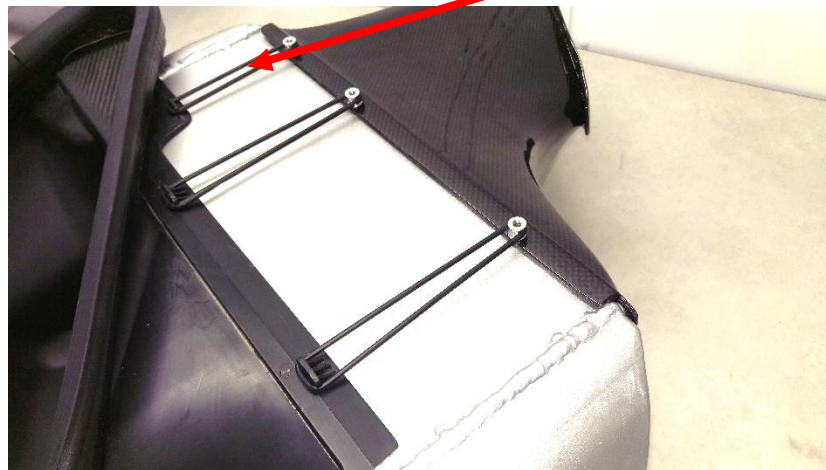
24.

Attach the included 10x10mm sealing along the top edge on the carbon fiber air duct. Do this on both sides.



25.

With the help of a friend carefully install both upper and lower air ducts onto the intercooler. Take your time to check that the sealings don't get twisted or damaged. Attach upper and lower air ducts together with the included O-rings. Note that you should use five large + one small O-ring per side.

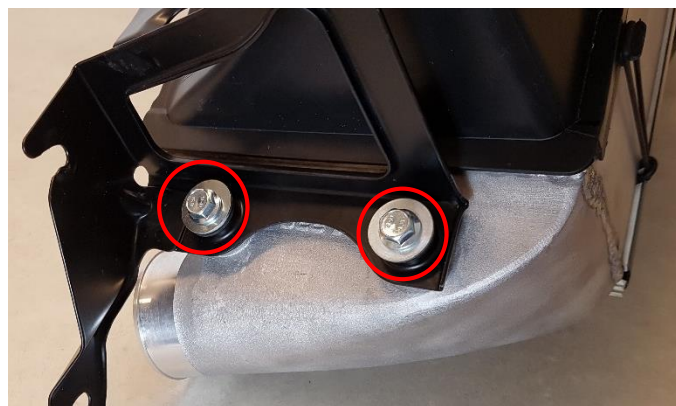


26.

With the help of a friend carefully install the intercooler into the support frame.

It will help to put a little lubrication into the rubber bushings before you do this.

Install with the included M8x16 screws and large M8 washers. Put some of the included Thread-locking fluid onto each screw.



27.

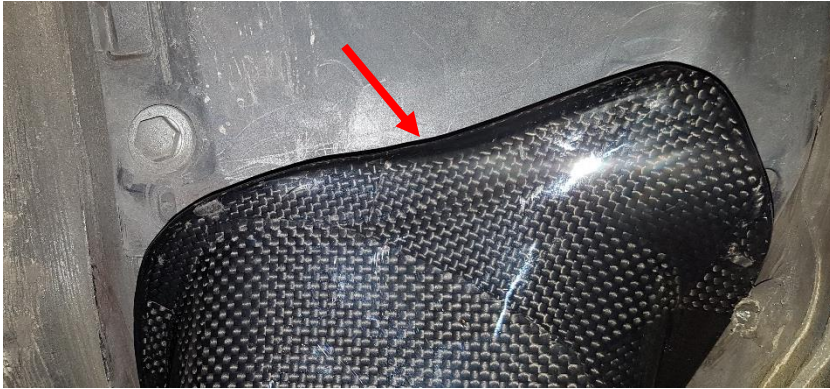
Before the new intercoolers can be installed you will need to cut of one small bracket on each side. This bracket is not used on the Turbo models. It is used on none Turbo models for the exhaust heat shields. To mark out where to cut the bracket use some tape, as shown on the photo below. Then cut the bracket with a High Speed Metal Air Saw. Remember to put anti corrosion paint over the cut area.





28.

Check if there is any gap in this location between air ducting and air channel. If there is a gap install some extra 10x10mm sealing in-between the carbon fiber air ducting and the air channel.



29.

With the help of a friend re-install the intercooler support frame into the car on both sides. While doing this be careful not to damage the top sealing on the carbon fiber duct.



30.

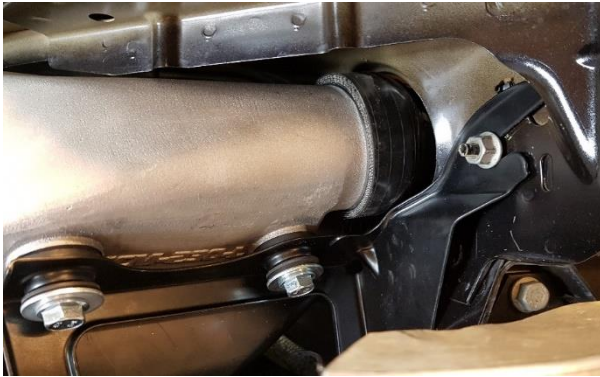
Install both turbo outlet silicone hoses. Use the included hose clamp.



31.

Install both intercooler outlet silicone hoses. It is easier if you put the hose clamp on the intercooler outlet before pushing on the silicone hose.

Don't tighten the hose clamp yet. You must angle the hose into right position towards the Y-pipe first.



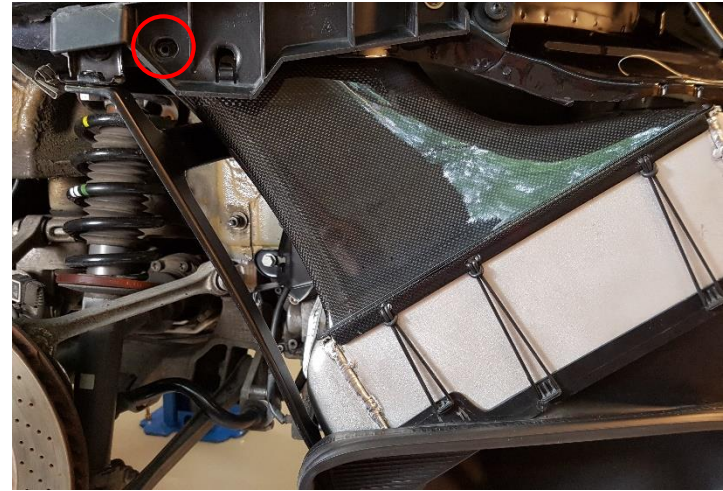
33.

Re-install the air filter box and install the Y-pipe. Align the intercooler outlet hoses into a good position and then tighten all the hose clamps.



32.

Tighten the bumper bracket with the included M6x12mm screws. Do this on both sides. The OEM screws are too long and will damage the carbon fiber air duct.



34.

Install all other parts in reverse order.