

Installation instruction do88 performance Intercooler for Porsche 911 TT (997) 05-08

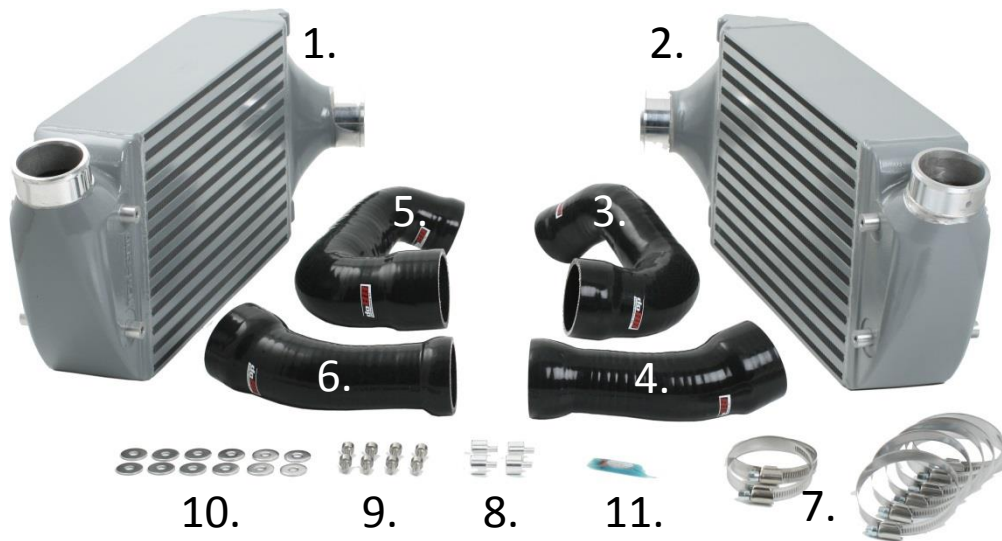
Part number: ICM-200

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

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 intercooler 1pc
2. Right intercooler 1pc
3. Turbo-Intercooler hose right Intercooler 1pc
4. Intercooler-Y pipe hose right Intercooler 1pc
5. Turbo-Intercooler hose left Intercooler 1pc
6. Intercooler-Y pipe hose left Intercooler 1pc
7. Hose clamps 8pcs
8. Bushing holders 4pcs
9. M6 Screws 8pcs
10. Large washers 12pcs
11. Thread locker



1. Loosen 2pcs Torx T25 screws from each rear light and then remove rear lights by pulling them rearwards from car. Disconnect cable by pushing contact lock tab and pull contact apart.



2. Remove 1pc Torx T30 plastic lock screws from the plastic clips on each side of the car located in the front of the space for the rear lights. Then pull out plastic clip.



3. Remove 4pc Torx T30 screws located on the top of the rear bumper.



4. Lift and secure the car so both rear wheels can be safely removed using a 19mm hex socket and socket wrench.

5. From each rear part of the rear inner fenders, Remove 5pcs Torx T25 screws and underneath one Torx T30 screw and then remove them from the car.



6. Remove 4pcs Torx T30 screws from the bottom of the rear bumper. Picture shows two of them, the other two are positioned in the same locations on the right hand side of the car.



7. Remove the Torx T30 in each wheel arch the holds the upper edge of the bumper from underneath.



8. This step should be performed with the help of an assistant.

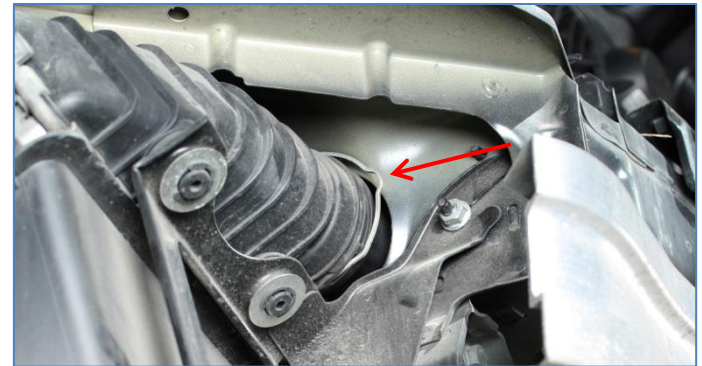
Remove the bumper from the vehicle by carefully pulling it rearwards.

If the car are equipped with PDC you have to unplug the connector to the sensors before bumper can be completely removed from the vehicle. For PDC vehicles, when bumper have some distance from the vehicle, disconnect the electrical connector by pressing its retainer clip and pulling apart.



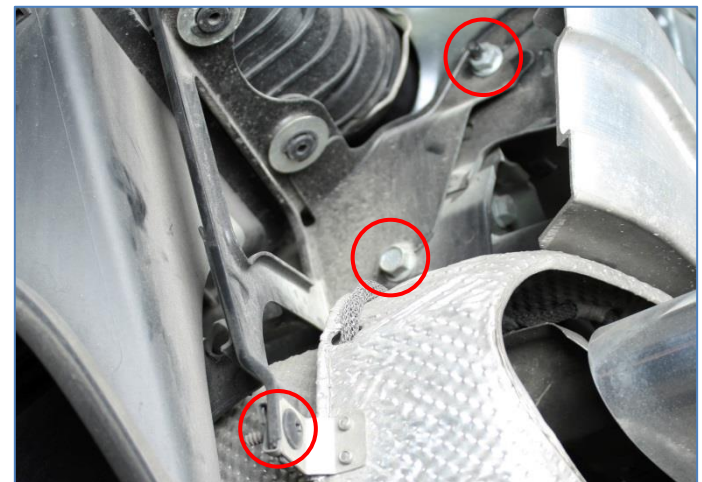
9. Loosen the intercooler outlet hose (upper) from intercooler on both sides by prying out the quick coupling lock clips with a flat screwdriver about 10mm.

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



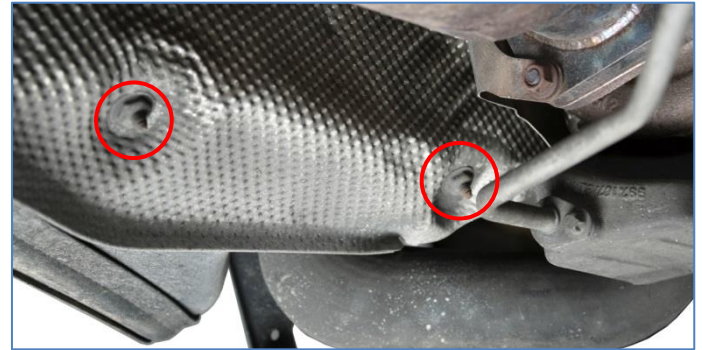
10. Before you perform this step, make sure to support the intercooler to prevent it from coming loose before you want it to.

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



11.

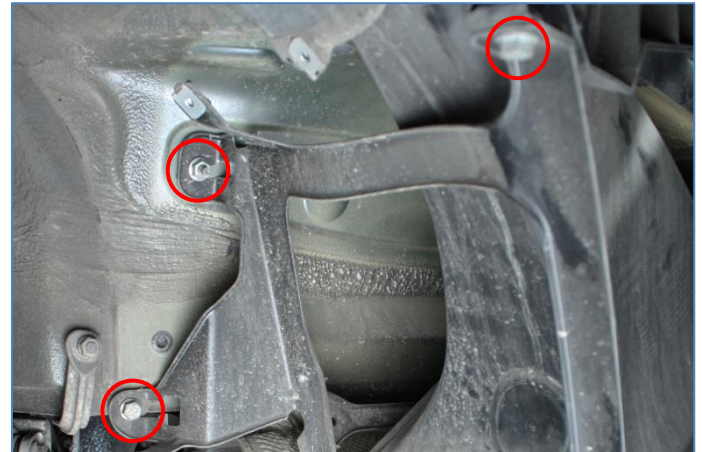
On both sides, from underneath remove 2 pcs 13mm hex nuts holding the heat shield to the intercooler support frame.



12.

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 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 with both intercoolers.



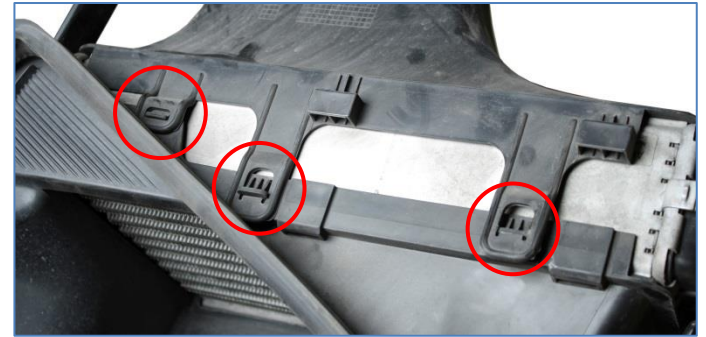
13.

Remove both intercooler outlet hoses from Y-pipe by removing the hoseclamps using a 7mm hex socket or 7mm hose clamp screwdriver and then remove hoses from Y-pipe.



14.

From both intercoolers, remove the intercooler inlet air guide by unclipping the 6 plastic fasteners that holds it to the outlet air guide with a flat screw driver.



15.

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. Now remove all 4 washers and then remove intercooler from support frame.



16.

Remove the ambient outlet air guides from the intercoolers. Then modify the air guides by grinding down the small edges pointing towards the core according to picture in all 4 air guides.



- 17.** Position the two air guide halves to the do88 performance intercooler and align it with the core according to picture. Fasten the air guides to the intercooler by pressing down the plastic clips released in step 14. Do this with both intercoolers and make sure they are positioned correctly with inlets pointing downwards and outlet pointing towards Y-pipe.



- 18.** Install two included aluminium bushing holders with one large flat washer under each bushing holder on each intercooler. Use the supplied thread locker on the threads, torque loosely with a plier. There are two alternative screw holes on the intercoolers, use the inner ones located closest to the center of the intercooler.



- 19.** Install both intercoolers in their support frames and then fasten them by installing 4pcs large washers and 4pcs M6x10 hex head screws in each bushing position on each intercooler according to picture. Use thread locker and tighten loosely.



- 20.** Install all parts in reverse order except for the hoses which you install like described below. Install all 4 supplied silicone hoses with the 8pcs supplied hose clamps in their positions according to included parts list on page 1 in this instruction. Tighten all hoseclamps to 5 Nm.

