

# Installation instruction do88 performance radiator BMW M2 F87

Part number: WC-290

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

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

## Parts included:

1. Performance radiator
2. 1x M6x12 screw
3. 1x M5x10 screw
4. 2x Thick M6 washer
5. 2x Zip-tie
6. 2pcs Silicone caps
7. 5cm long sealing strip



1. Gently pull off the front rubber sealing.



2. Remove 6x Torx T30 screws.



3. Remove the inner wheel arch on both sides, 7x Hex 8mm screws on both sides.



4. Remove 11x Hex 8mm screws from the plastic cover underneath the engine.



5.

Remove 3x Hex 8mm screws on both sides inside the wheel arch.



6.

Right side wheel arch:

1. Disconnect the washer fluid hose and turn the hose so it won't interfere with the horn when removing bumper.
2. Disconnect the horn cable connector

Left side wheel arch:

1. Disconnect the cable connectors for the horn and parking sensor.
2. Turn the washer fluid hose so it won't interfere with the horn when removing bumper.



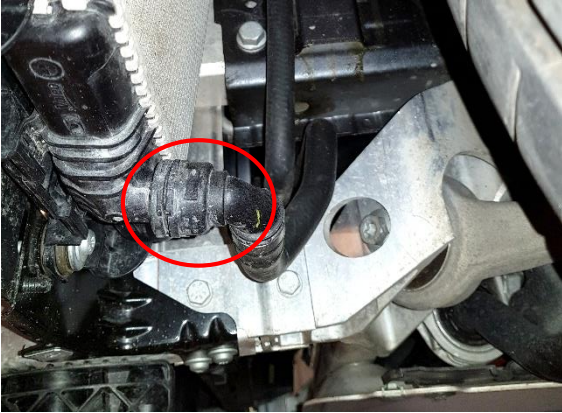
7.

With the help of a friend now gently remove the bumper. Pull it straight forward.

8.

Drain the coolant fluid.

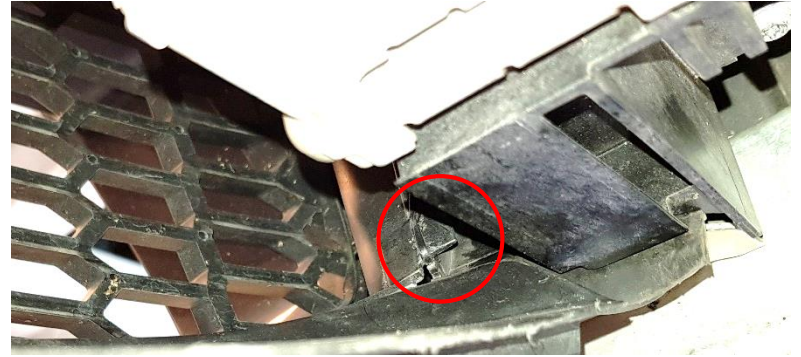
1. Remove the expansion tank lid.
2. Disconnect the lower auxiliary radiator hose to drain all fluid.



9.

Pry the plastic tabs free on both sides for the front intercooler air guide.

Then gently fold the air guide in front of the intercooler so the underside of the intercooler is free.

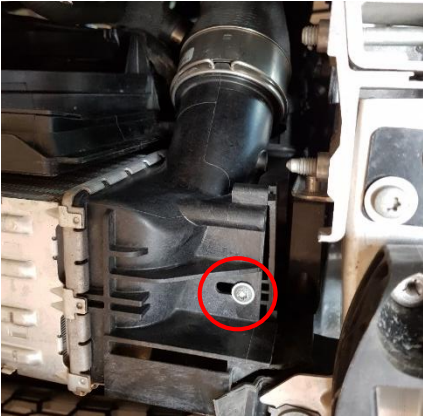


10.

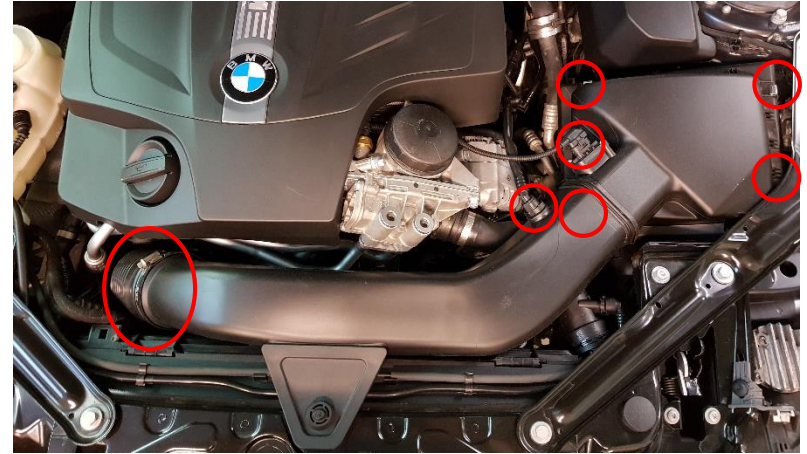
Disconnect both intercooler hoses. Push the hose towards the intercooler connection while loosening the metal clips. Then pull hose off.



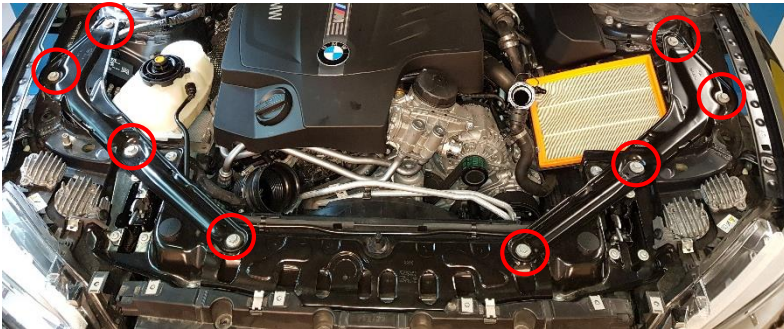
11. Remove 1x Torx T27 on each side of the intercooler then gently remove the intercooler from the car.



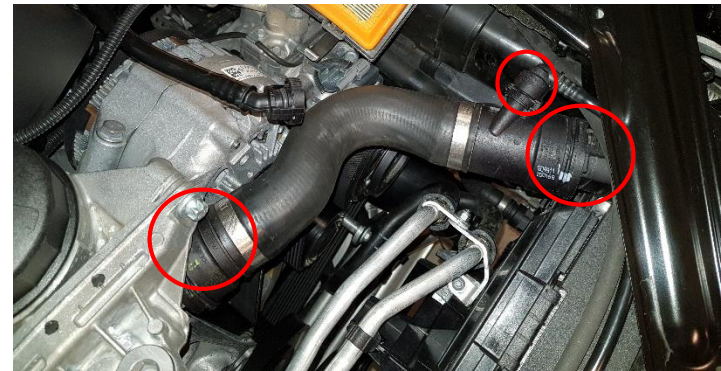
12. Remove the air inlet pipe. 1x Hose clamp, 1x hose connection, 1x MAF sensor cable, 4x air filter box clips.



13. Remove the “boomerang” shaped brackets on both sides. 4x Hex 13mm screws on both sides.



14. Remove the top radiator hose.

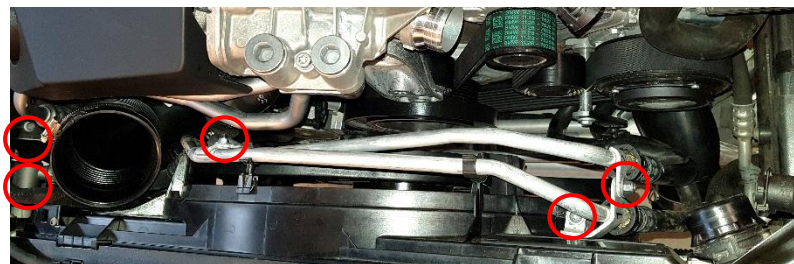


15.

On cars with DCT transmission:

1. Remove 2x Hex 8mm nuts to free the pipes from each other.
2. Remove 1x Torx T27 screw holding pipe to fan cover.
3. Unclip the bottom plastic hose bracket.
4. Disconnect both hoses from the DCT cooler. Seal the oil cooler with the included caps and Zip-ties.

Put the pipes over the engine cover.

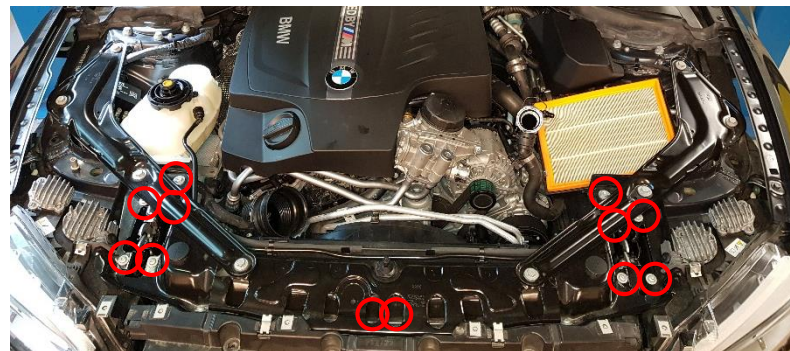


17.

Remove the upper air duct. Remove the grill in the air box fresh air duct entrance. Pry the air duct channel free. Release plastic clip on both sides. Now remove the upper air duct.

16.

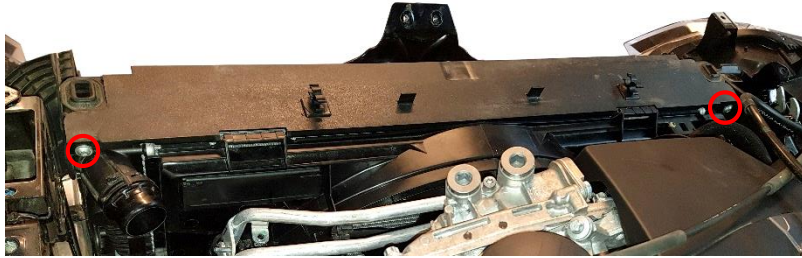
Remove the upper radiator support beam. 2x Hex 13mm screws, 8x Torx T30 screws & 2x Torx T40 screws.



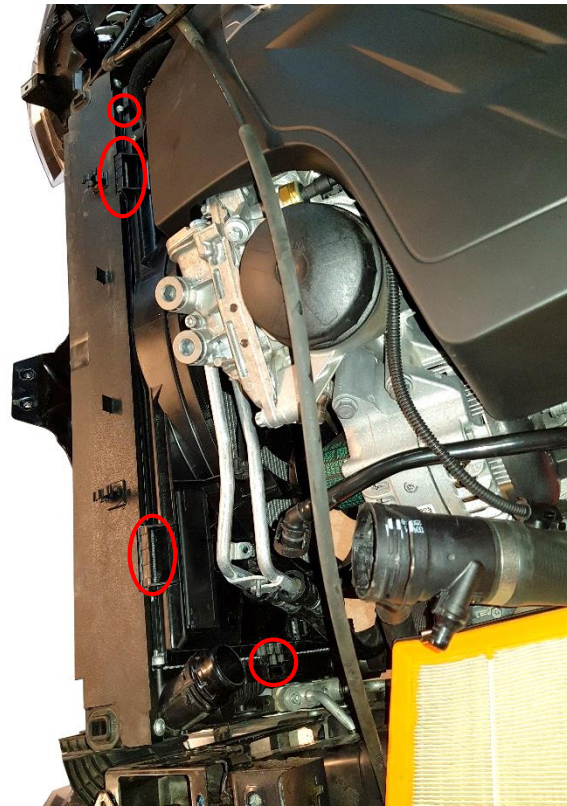
- 18.** Disconnect the three remaining radiator hoses. Also disconnect the large fan cable connector on the right side of the fan cover.

- 19.** Remove the fan cover.
1. 1x T27 Torx Screw in the upper right corner.
  2. Press the plastic tab on the left side then lift it straight up and free it from its three brackets.
  3. Now lower the fan cover downwards and remove it from underneath the car.

- 20.** Remove the plastic cover on top of the radiator. Unclick the two hoses and remove 2x Torx T27 screws.



- 21.** Now remove the radiator. Lift it straight up.



22.

Reinstall all other parts in reverse order, except these 3 exceptions shown below.

1. Tape 2pcs of the included 10mm thick seal on the 2 marked surfaces on the condenser.
2. Fasten the fan cover with the included M6x12 screw in the upper right corner
3. Fasten the plastic tab inside the slot with the included M6x12 screw
4. When reassembling the plastic cover on top of the radiator put the included 3mm thick washer in-between the plastic and the radiator bracket. Do this on both sides.

Remember to fill coolant and bleed for air.

Exception 1



Exception 2



Exception 3



Exception 4

