

Installation instruction do88 performance Intercooler BMW M2 M3 M4 F8X

Part number: ICM-320



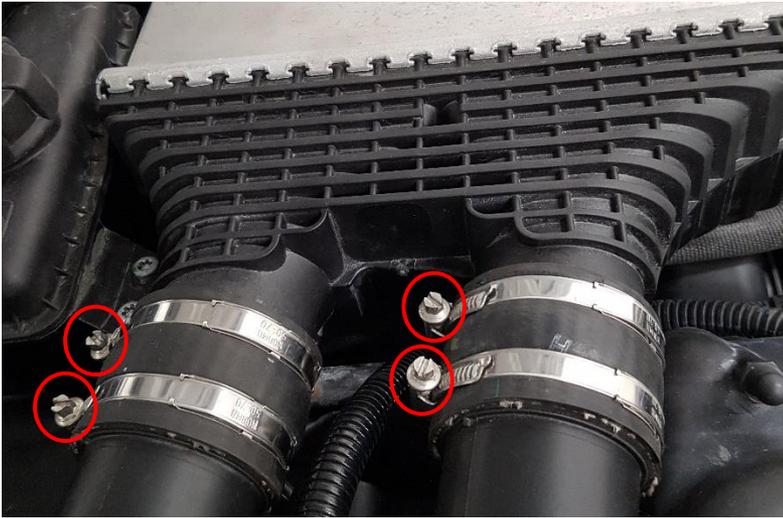
This instruction shows how to replace the OEM intercooler with do88 performance intercooler kit.

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

Parts included:

1. Performance intercooler
2. Silicone hose
3. 2pcs hose clamp black, 8-18mm
4. 2pcs 21mm silicone cap
5. 4pcs M5x12mm Allen screws, black
6. 5pcs M6x12mm Allen screws, black
7. 1pc Ear clamp, 17.5mm (not on picture)

1. Remove 4x 6mm hose clamps from intercooler pipes to the intercooler.



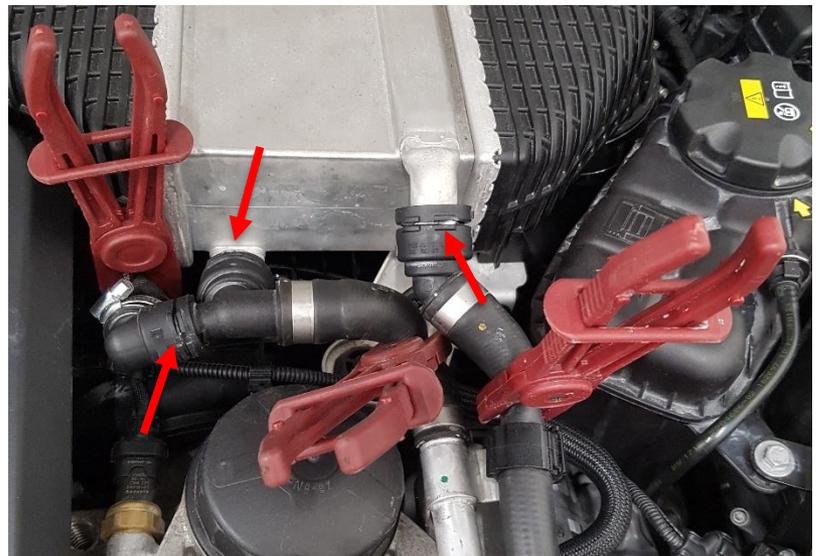
3. Disconnect the connector from the sensor on the intercooler.



2. Remove 1x 6mm hose clamp from the intercooler outlet hose.



4. Use three hose pincher pliers to keep most of the coolant from draining out. Release the clips on the connectors and immediately plug the connections on the intercooler with the 21mm silicone cap.



5. Disconnect the plastic hose from the intercooler bracket.

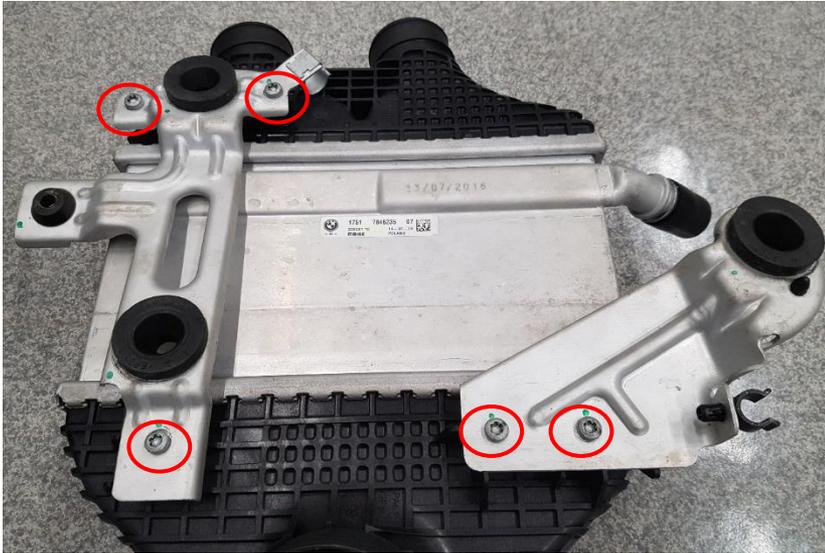


6. You are now able to gently remove the intercooler from its rubber grommets. Wiggle the intercooler and raise it up towards the intercooler outlet hose while carefully lifting the intercooler upwards. Empty the intercooler from coolant in a clean bucket if you want to re-use the coolant.

7. Now remove 2x Torx T30 to the Coolant reservoir and disconnect the coolant hose from its clip underneath the intercooler. Remove the coolant reservoir and mount it on the do88 intercooler with included M5x12mm Allen screw.



8. Turn the intercooler upside down, remove 5x Torx T30 and remove the brackets from the intercooler. Mount the brackets on the do88 intercooler with included 5x M6x12mm Allen Screws.



9. Only on BMW M2 Competition. Bend the bracket down using a plier until there is enough space for coolant hose between intercooler and coolant reservoir.



10. Install the included hose between the do88 intercooler and coolant reservoir, secure the hose with included hose clamps. On BMW M2 Competition, use the included ear clamp on upper hose connection.



11. Remove 2x Torx T25 holding the sensor on the OEM intercooler, remove it from the intercooler and mount it on the do88 intercooler with the included 2x M5x12mm Allen screws.



12.

Only on BMW M2 Competition.
Using both hands, bend the part of the inner hood structure marked in the picture about 15mm upwards.
Gently close the hood and check that the intercooler, coolant reservoir and hose in between, has clearance from the hood.



13.

Re-install all other parts in reverse order.

IMPORTANT!

Pre-fill the do88 intercooler with coolant, seal with caps. Top off the coolant reservoir after connecting all three hoses to intercooler.

Bleed cooling system according to this instruction:

- Switch ignition on without starting engine.**
- Switch low-beam light on.**
- Set climate control to max temp and lowest fan speed.**
- Press accelerator pedal to the floor for 10 seconds.**
- Bleeding procedure starts and take about 10-15 minutes. In the end of the procedure the intercooler coolant pump runs on full power and at this stage you should feel the coolant flowing thru the intercooler coolant hoses when you gently squeeze them.**
- Top off coolant again.**
- If there is still air in the system this will result in higher IAT due to reduced or no circulation in the intercooler cooling system.**