

Installation instruction do88 performance engine oil cooler BMW M2 F87

Part number: OC-130

This instruction shows how to replace the OEM engine oil cooler with do88 performance engine oil cooler 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 oil cooler
2. Plastic air guide
3. 2x M6x20 screws
4. 3x M6x16 screws
5. 6x Rubber washers
6. 4x M6 washers
7. Thread locking fluid



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.

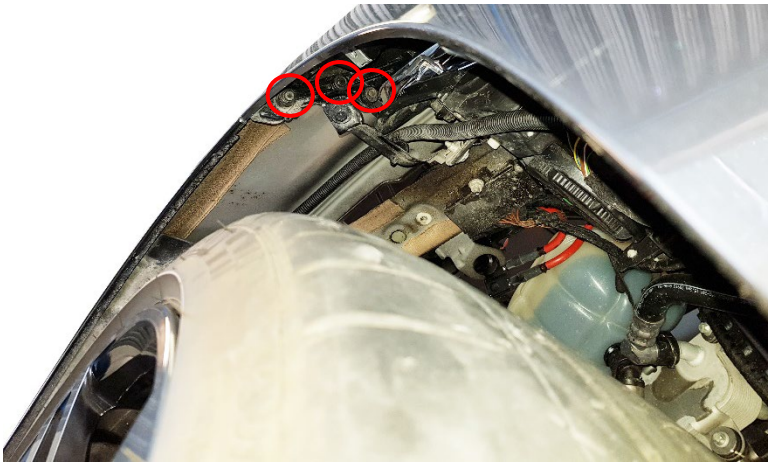


4. Remove 11x Hex 8mm screws from the plastic cover underneath the engine.



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.

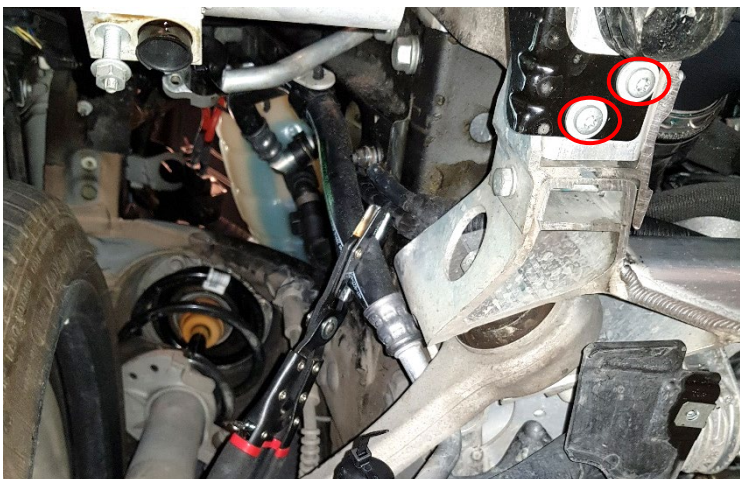
8.

Disconnect the two oil lines 2x Hex 10mm Nuts. We recommend you to use 2x Hose Pinch-Off Pliers on the oil line hoses to minimize the oil loss.



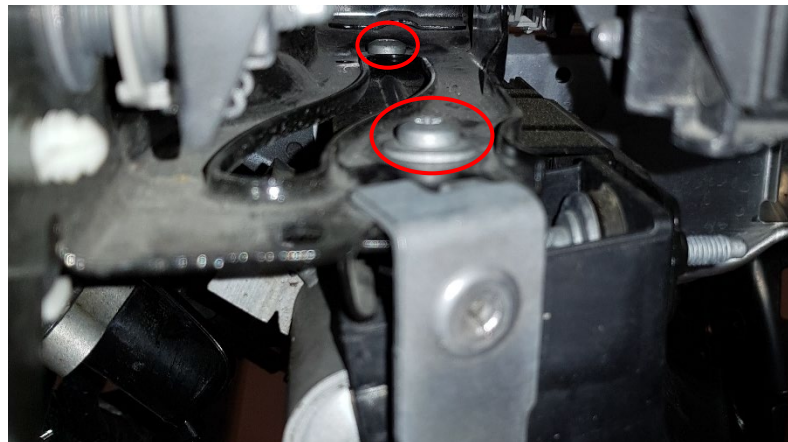
10.

Remove the bottom screws, 2x Torx T30.



9.

Remove the top screws, 2x Torx T30.

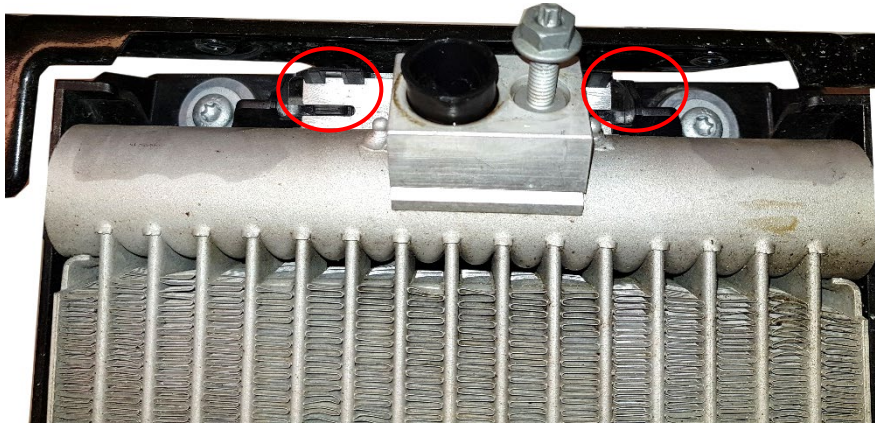


11.

Remove the inner screws, 2x Torx T30. And now remove the oil cooler from the car. Reinstall these two screws once the oil cooler has been removed.



12. Remove the oil cooler from its frame. Press the two upper plastic tabs upwards and lift out the oil cooler.



13. Remove the lower bracket from the support frame 1x Torx T30 Screw. Drill a $\varnothing 8\text{mm}$ hole in the bracket according to photo below.



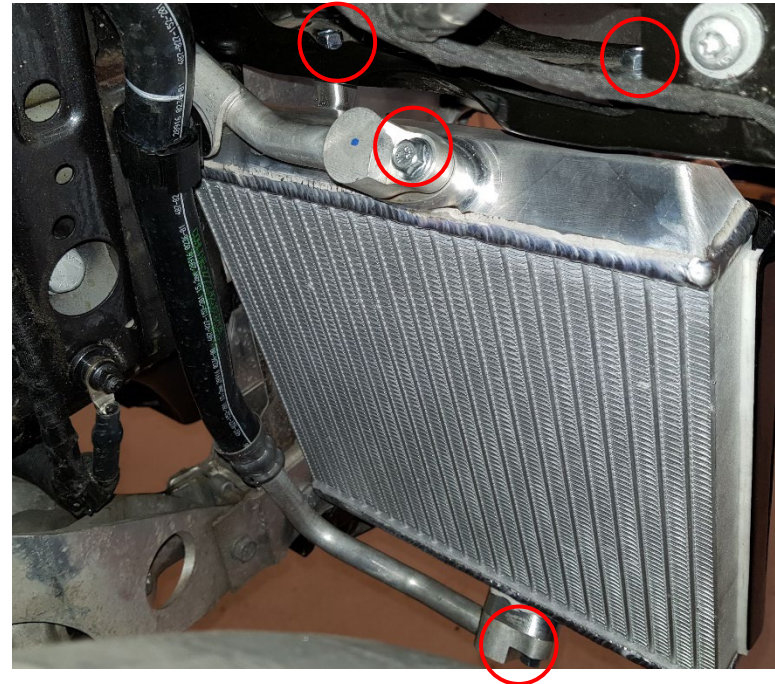
14. The Carbon fiber air duct has a strip of tape on both sides (inside).
1. Clean both sides of the oil cooler thoroughly with brake cleaner or similar.
 2. Peel away the whole protection film on **ONE** side.
 3. Peel away just a small bit 10mm on the other side.
 4. Center the carbon fiber duct along the welds on the oil cooler, then push it onto the oil cooler to stick.
 5. Center the other side and then pull out the protection film. Press on both sides.



- 15.** Install the lower bracket onto the oil cooler (use the drilled hole from step 13).
In this order:
M6x16/washer/rubber/bracket/rubber/washer/oil cooler.
Use some of the included Loctite on the screw.



- 16.** Install the do88 oil cooler assembly into the car.
1. Fasten the two top screws in this order: M6x16/washer/rubber/car/rubber/oil cooler. Use some of the included Loctite on both screws.
 2. Reinstall the 2x OEM Torx T30 screws on the lower bracket.
 3. Connect the two oil lines and fasten them with the included M6x20 screws.



- 17.** Reinstall all other parts in reverse order.
Remember check oil level.