



Installation Instruction

Transmission cooler



BMW G8X

S58

PART NUMBER: OC - 210

Description

This instruction shows how to replace the OE transmission cooler with do88 Performance transmission cooler.

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

This installation instruction is performed on a BMW M2 and the procedure for removal of panels and covers will differ a bit if the install is carried out on any other model this product fit.

Parts List

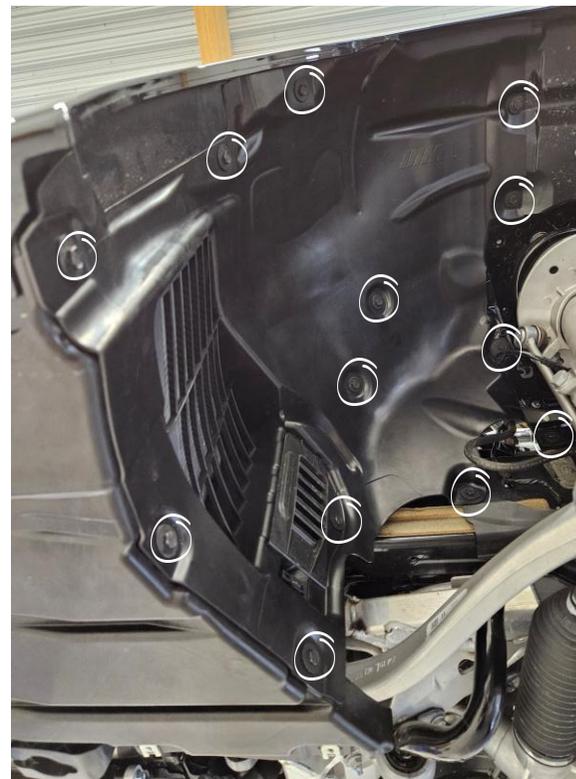
1. do88 Performance oil cooler
2. Rock guard
3. 2x Zip-tie
4. Foam strip
5. 2x Silicone cap 12mm





Step 1

Remove the front wheels.



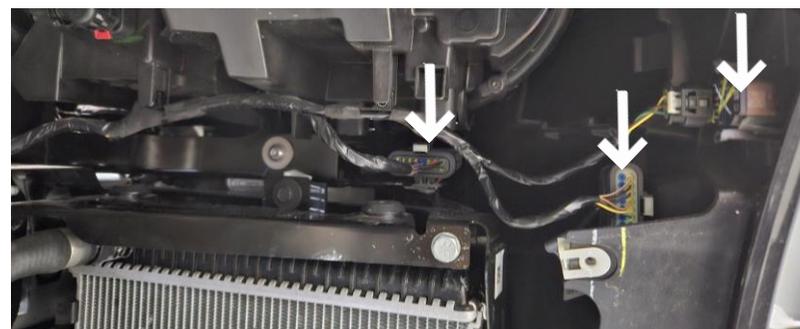
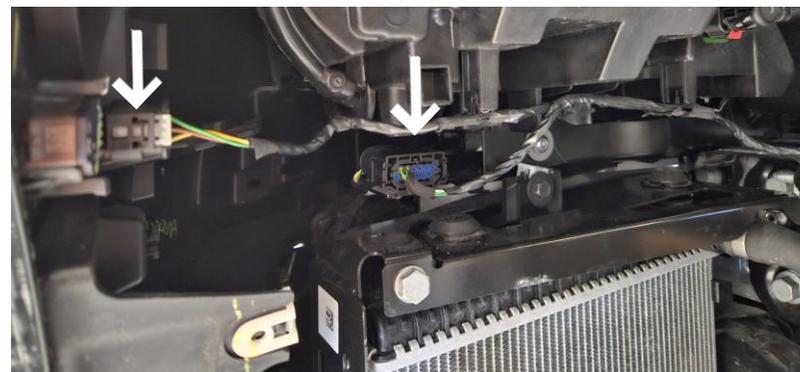
Step 2

Remove the front plastic wheel liner on both sides by undoing 13 x 10mm hex screws.



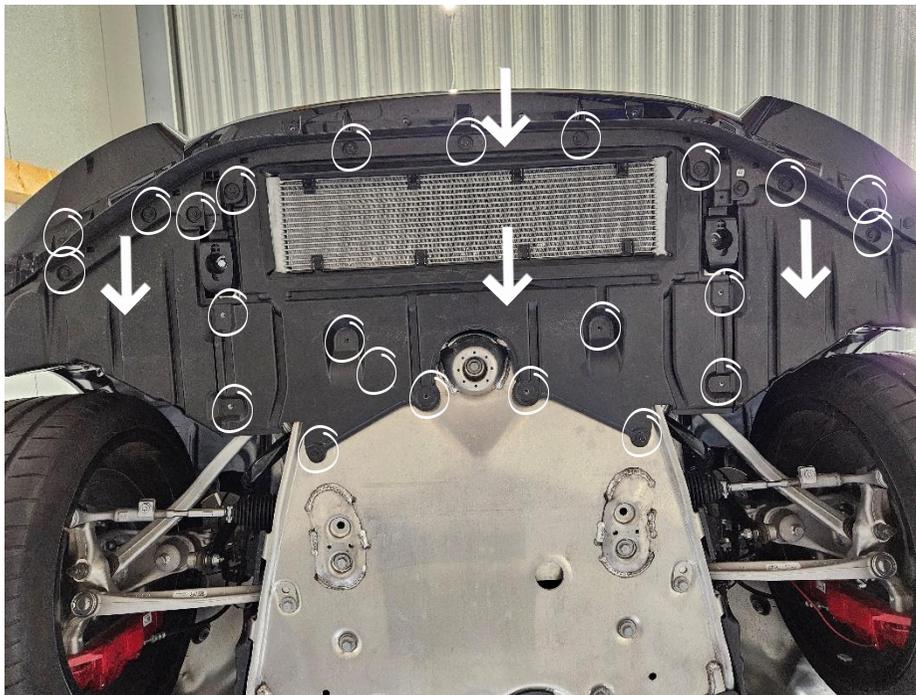
Step 3

Remove 2x Hex 8mm screw securing the bumper in the upper corner of the wheel arches on both sides.



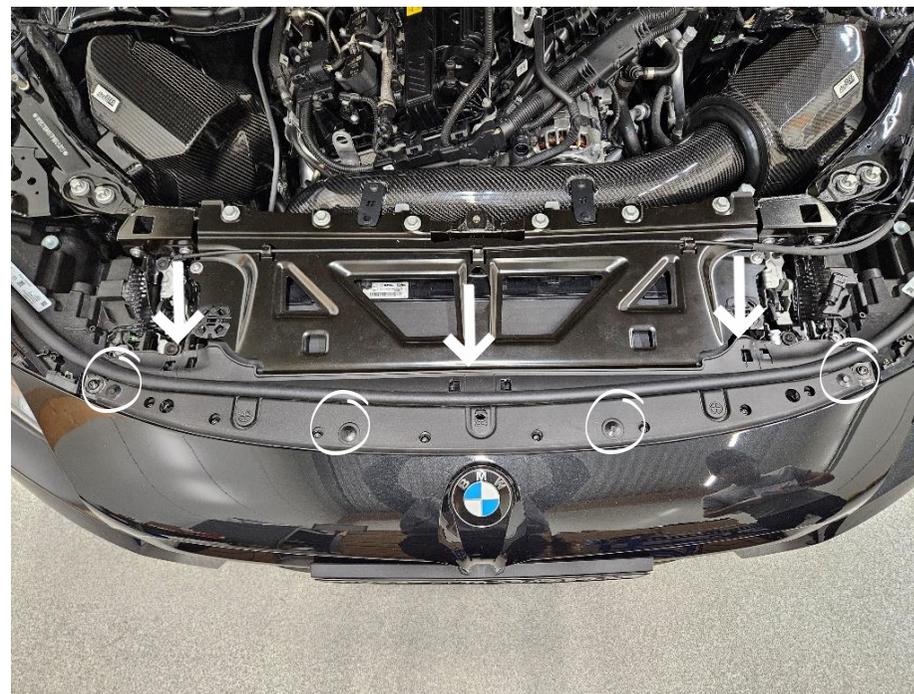
Step 4

Disconnect 2x cable connectors on the left side and 3x cable connectors on the right side.



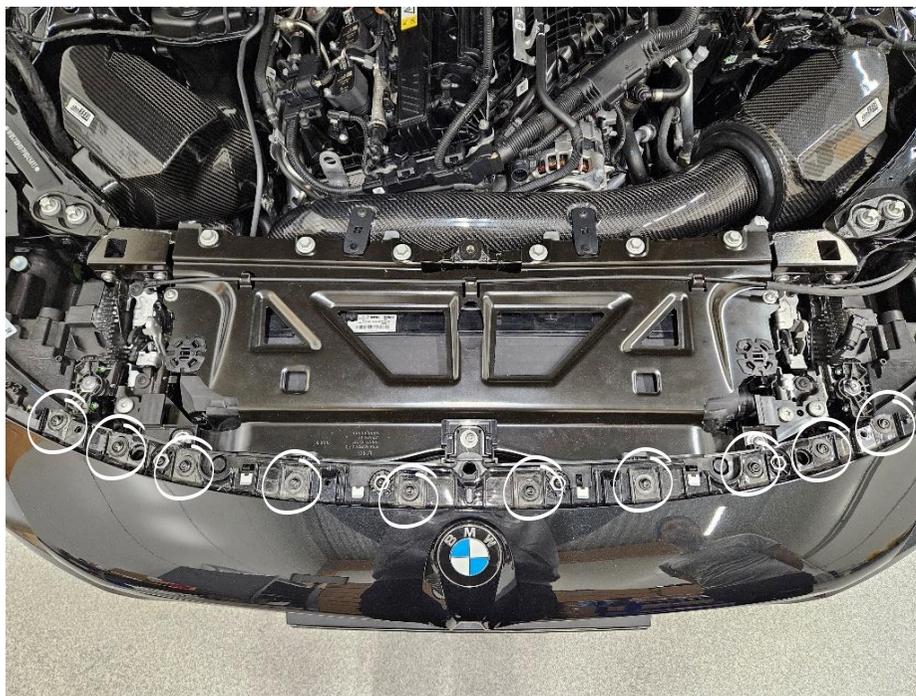
Step 5

Remove the front spoiler lip, 2x splash guards and plastic undertray by loosening 31x10mm hex screws.



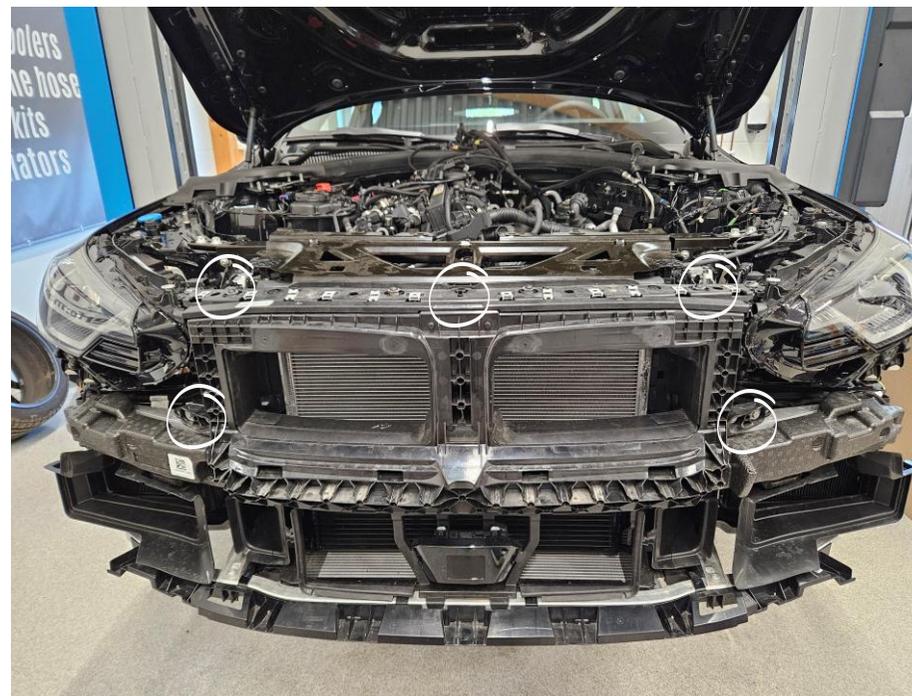
Step 6

Remove the 4 plastic retaining clips from the top of the bumper cover. Remove the front plastic molding and rubber seal strip by prying its plastic clips and lift it.



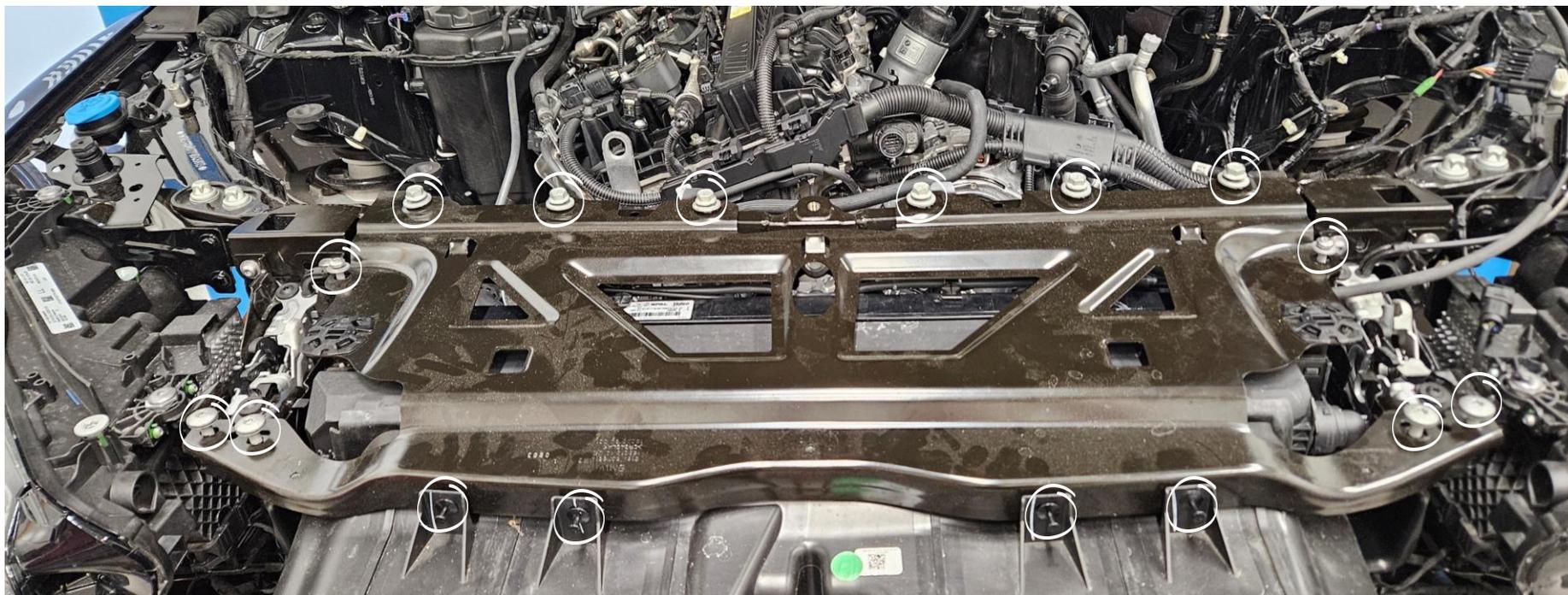
Step 7

Remove 10x Torx T30 screws from the top of the bumper. Then remove the bumper.



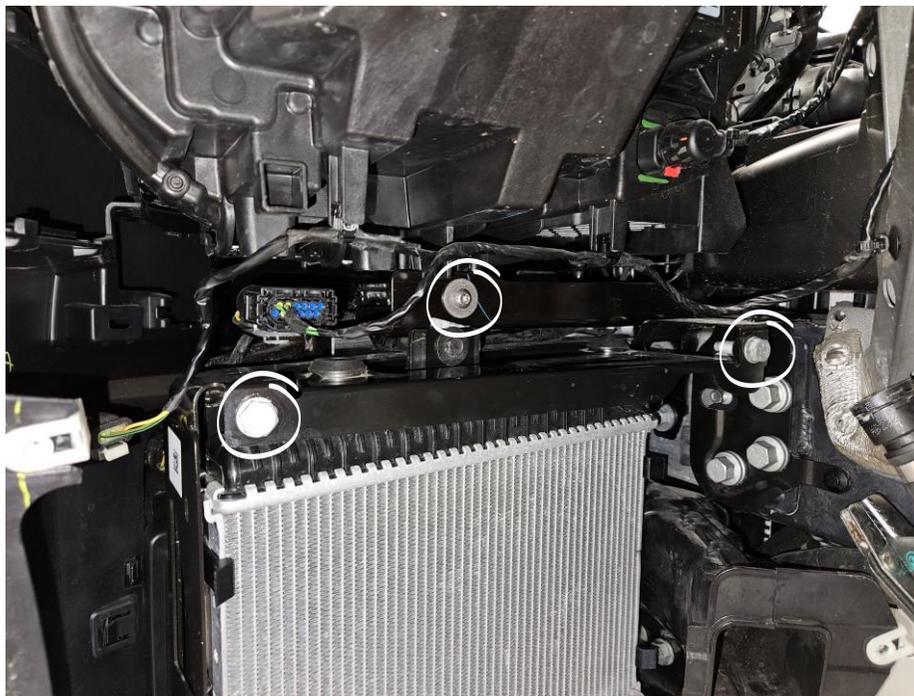
Step 8

Remove 4x Hex 10mm and 3x Torx T30 screws. Then remove the grille plastic frame.



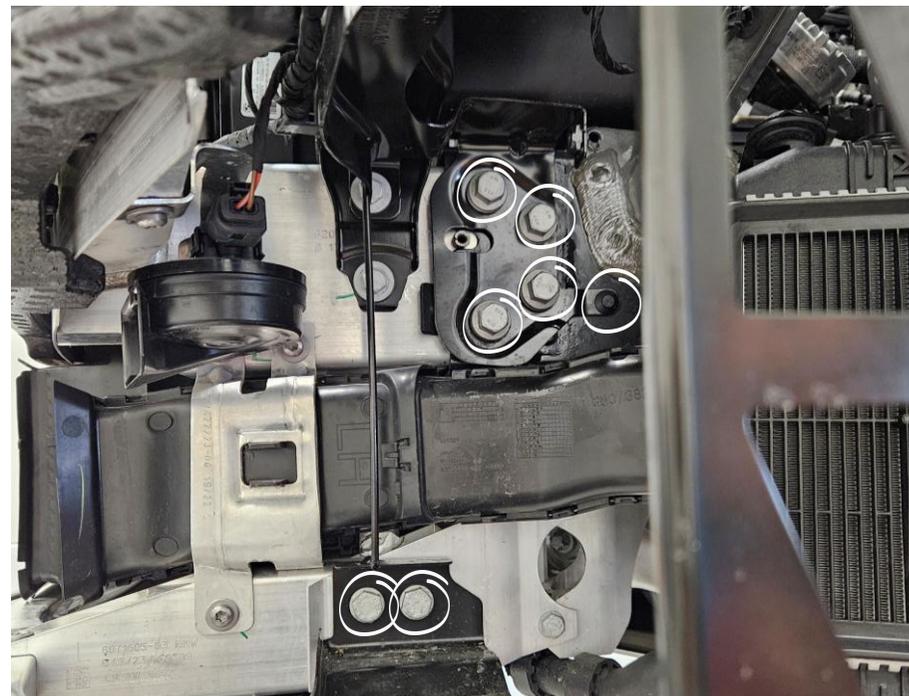
Step 9

Remove 4x Torx T40 screws / 2x T30 screws / 6x Hex 13mm screws / 4x plastic clips.
Then remove the large bracket on top of the radiator.



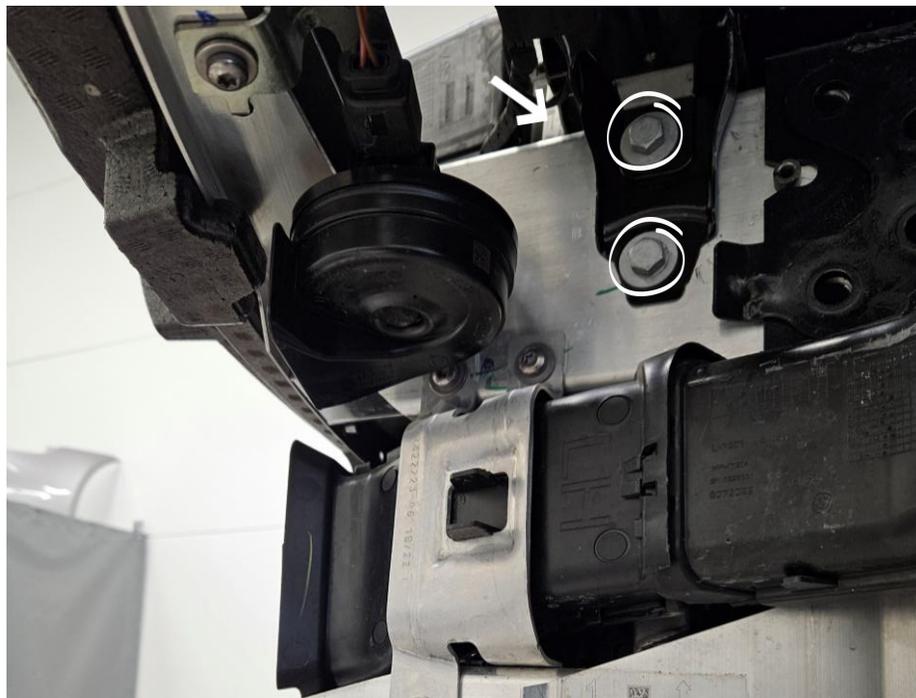
Step 10

Remove 1x Hex 10mm and 2x Hex 13mm hex screws from the auxiliary radiator on the left side. Lean it backwards and lift it to the side and secure it to the vehicle with a zip tie. Also remove the plastic air guide.



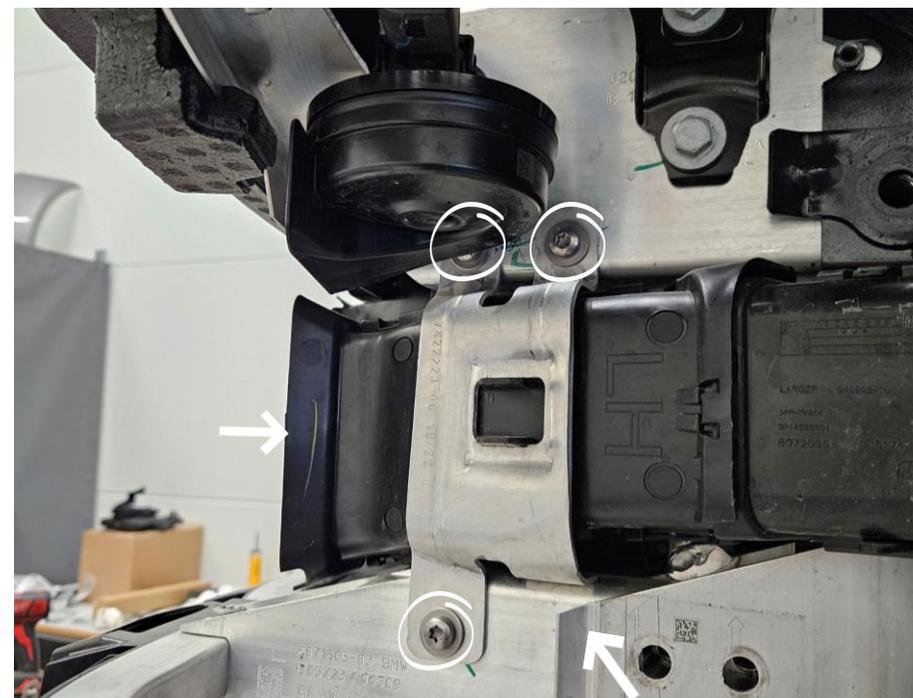
Step 11

Remove 6x Hex 16mm screws and 1x plastic clip. Then remove the auxiliary radiator support frame. Reinstall one of the lower screws to prevent the lower bumper reinforcement from falling off.



Step 12

Remove 3x Hex 13mm screws, one of the is located on the backside where the arrow is showing.



Step 13

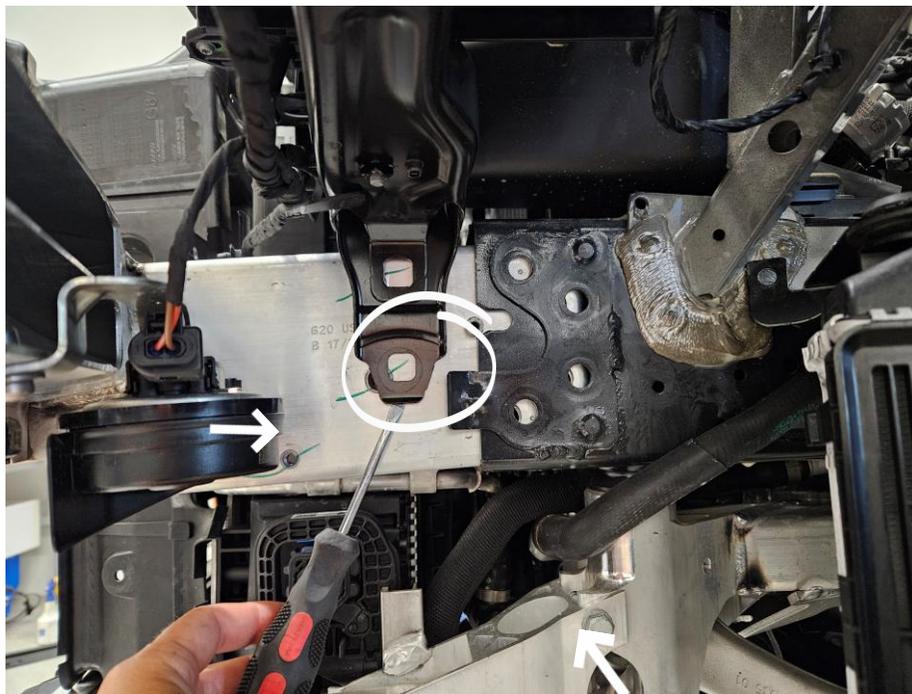
Remove 3x Torx T30 screws and 2x plastic clips (on backside) on the left side. Then remove the brake cooling air duct.

Repeat step 10-13 on the right side of the car.



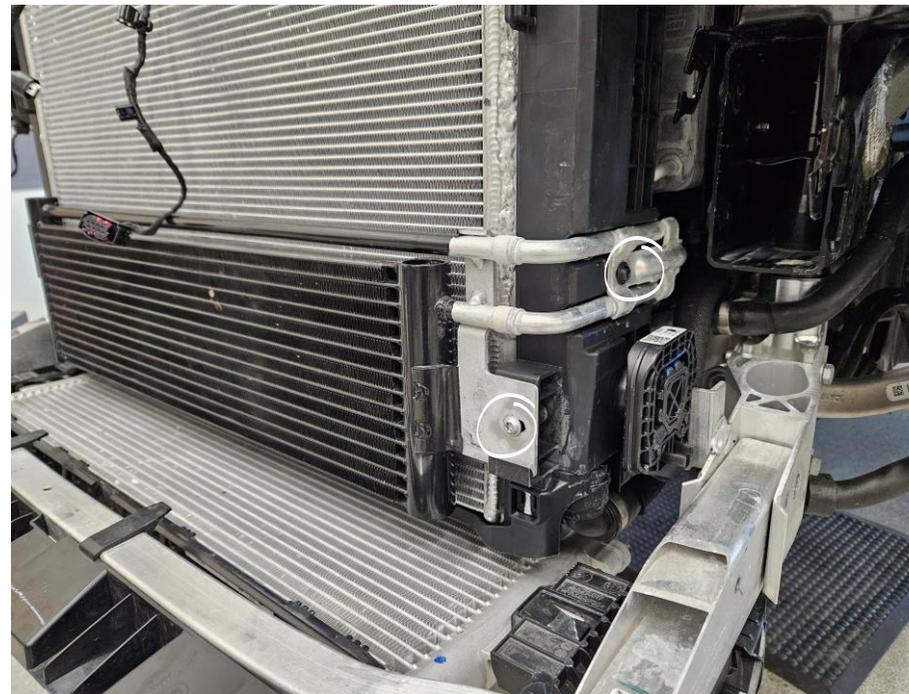
Step 14

Unclip the wiring harness shows on the photos. Also disconnect cable connectors for the radar unit, temperature sensor (upper grille air guide), 2x horns, 2x airbag sensor (each end of the bumper bar).



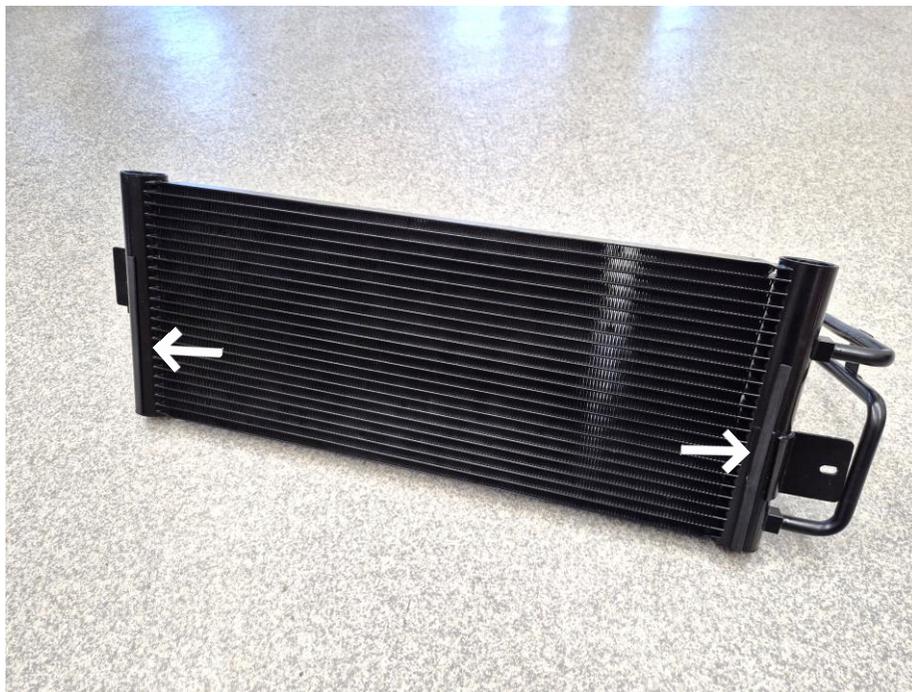
Step 15

Remove the bumper bar. You will need to pry the marked brackets outwards to let the guide pin pass underneath it.



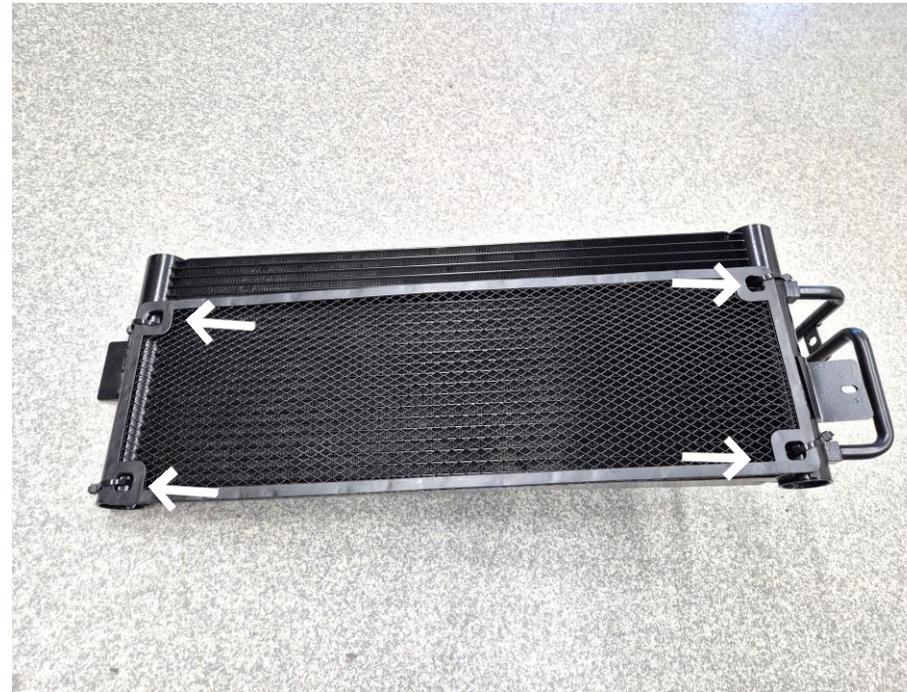
Step 16

Remove 2x Torx T30 screws from the transmission cooler.



Step 17

Cut the included foam strip in half, then tape each piece centered on both sides, starting from the bottom edge of the oil cooler tanks.



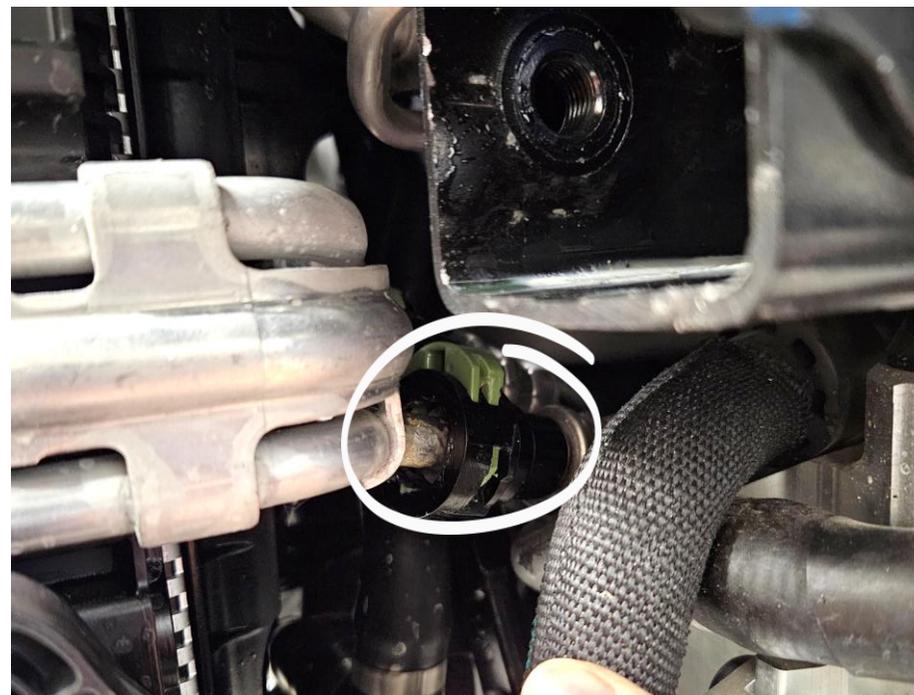
Step 18

Align the rock guard at the bottom of the oil cooler and secure it using the included zip ties. Thread the zip ties through the square holes in the rock guard and around the oil cooler tanks.



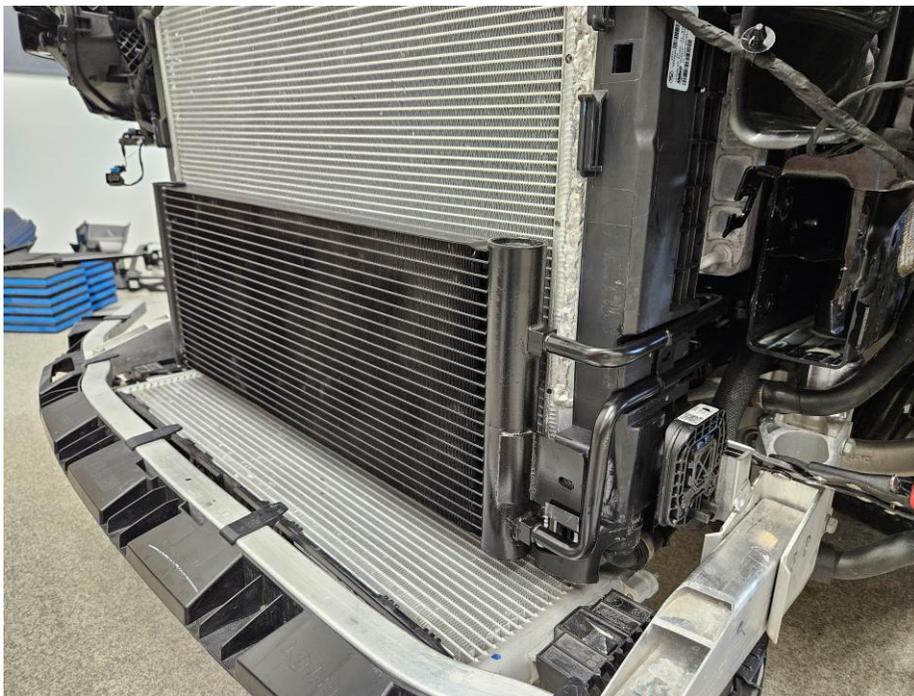
Step 19

Pre-fill the do88 transmission cooler (use oil according to manufacturer specifications). Then cap the connections with the included caps to prevent oil leakage during installation.



Step 20

Disconnect 2x oil lines. Pry the green plastic clip upwards and pull off the oil line (put a tray underneath to catch oil leakage). Then remove the transmission cooler.



Step 19

Install the do88 transmission cooler. Pull of the caps and attach the oil lines quickly to prevent leakage. Make sure the green clips have locked correctly onto the connections.

Reinstall all other parts in reverse order.

Step 20

Important!

Make sure to check and adjust the oil level according to manufacturer specifications.

The do88 transmission cooler has 8,5 dl oil volume compared to OE 6 dl.



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