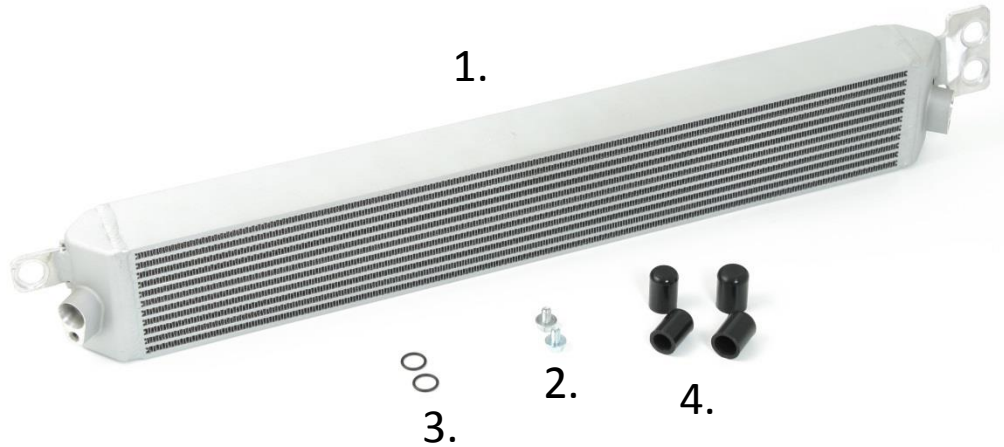


Installation instruction do88

BMW M3 E90 E92 Engine oil cooler Racing

Part number: OC-100



This instruction shows how to replace the OEM oil cooler with our performance oil cooler.

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

Parts included:

1. do88 Performance oil cooler
2. M8 x 12mm screws 2pcs
3. O-rings 2pcs
4. Silicone caps 16mm 2pcs and 18mm 2pcs.



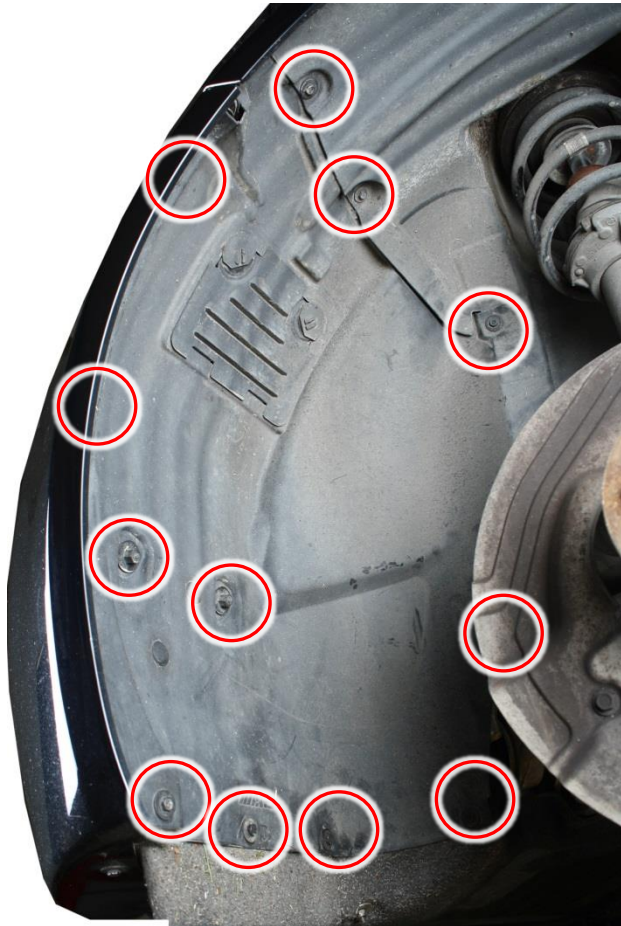
1.

Remove inner fenders.

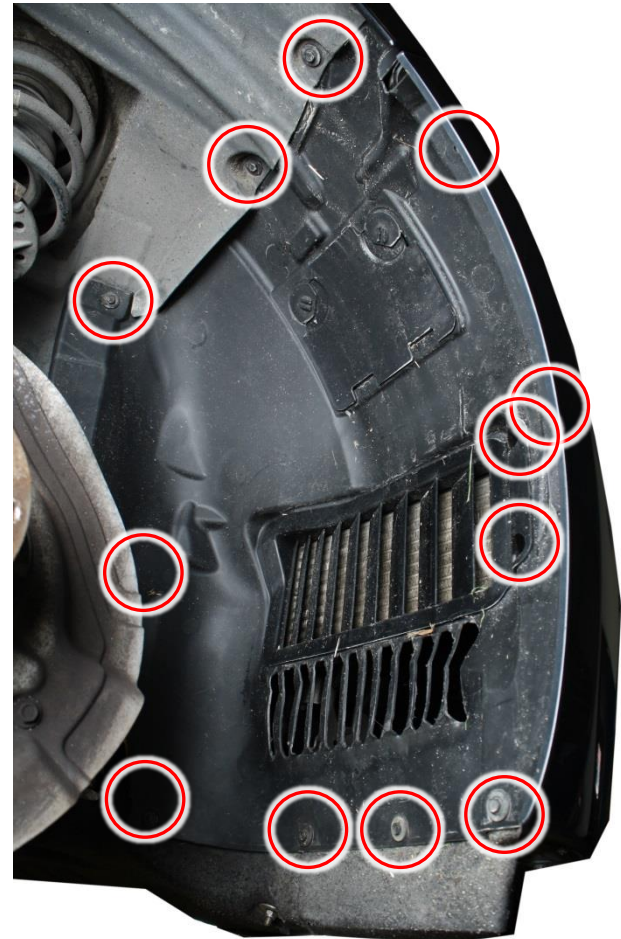
Left side: 9 pcs Hex 8mm and 3pcs Hex 10mm

Right side: 11 pcs Hex 8mm and 1pc Hex 10mm

Left side



Right side



2. Release the steel wire fasteners on both sides of the bumper. Turn the wire bracket 90 degrees and pull it forward.



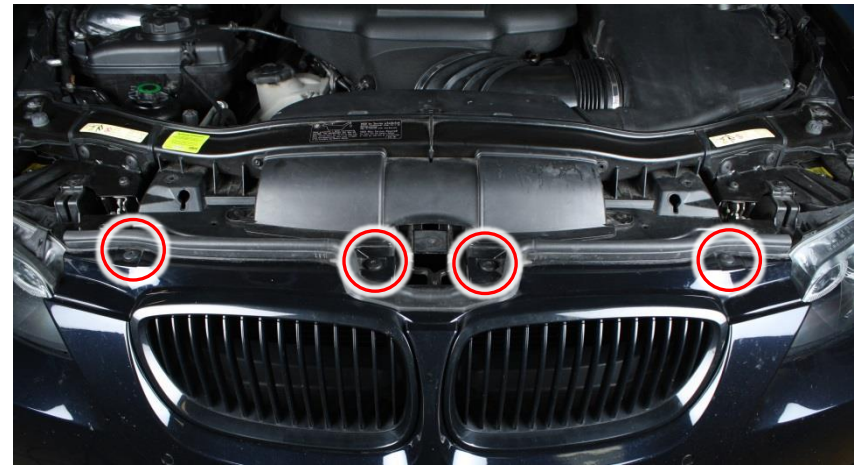
3. Remove 2x Hex 8mm in each upper corner of the bumper on both sides. (These become visible after you have removed the inner fenders).



4. Remove 3x Hex 10mm from the “under engine cover”.

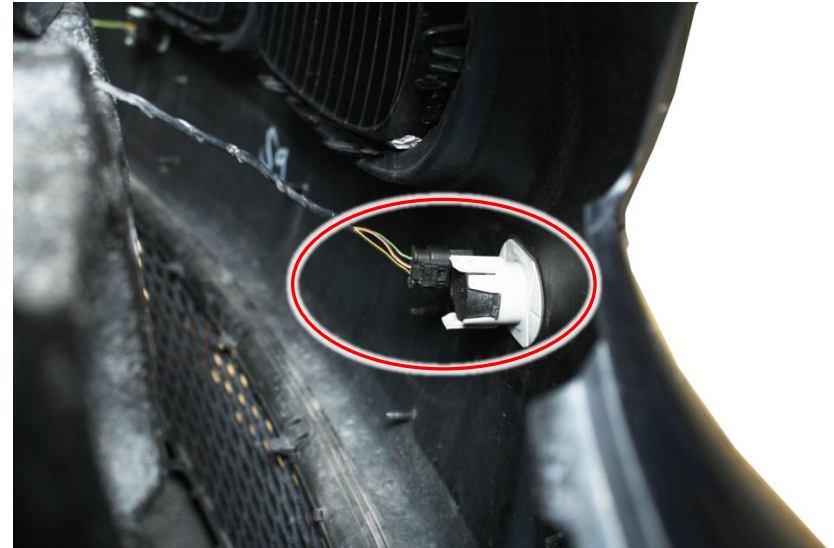


5. Remove the 4x Torx T30 on top of the bumper.



6. With help from a friend bend out the bumper on each side behind the head lights. And then pull it forward about 15cm and hold it in this position.

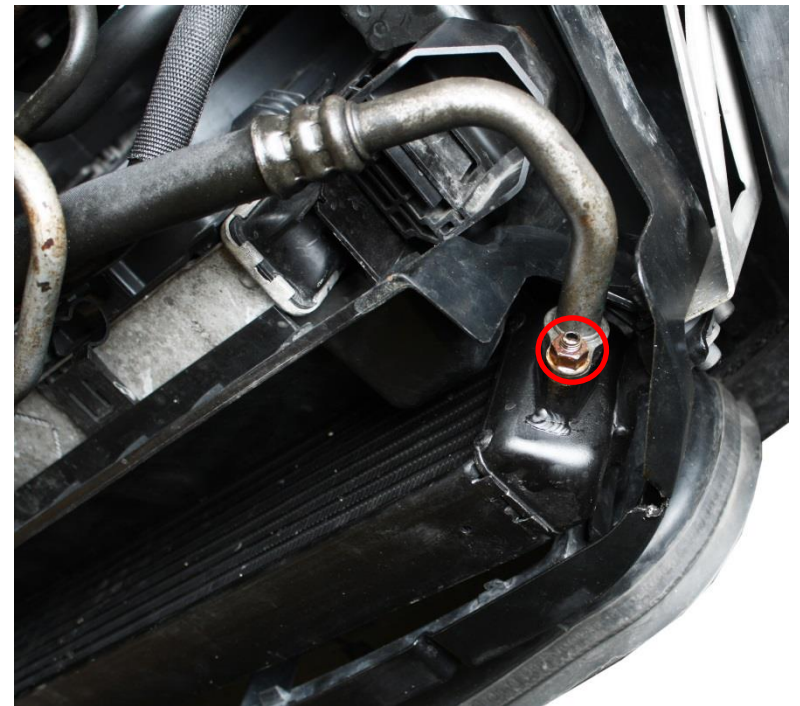
Now release the cables to the PDC sensors and remove bumper from vehicle.



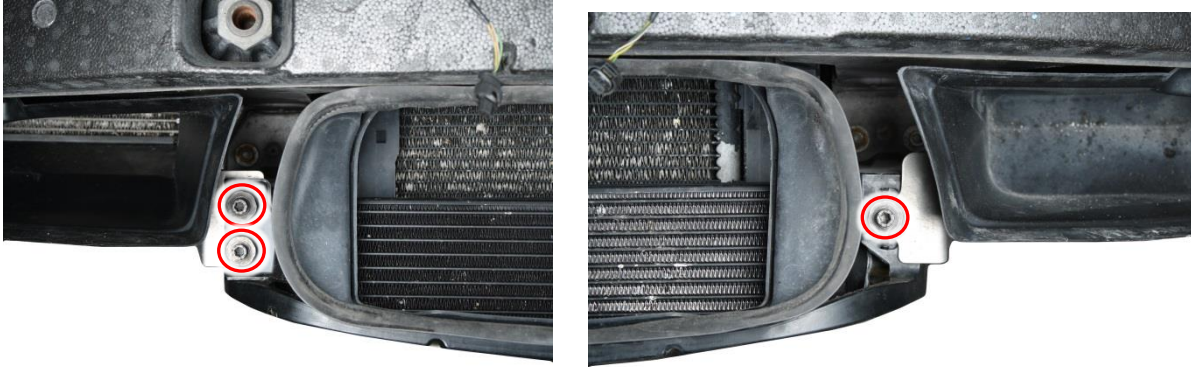
7. Disconnect the oil lines from both sides 2x Hex 13mm.

Use the included silicone caps to cover the oil line ends to prevent unnecessary oil leakage.

Use the 16mm caps on early 2008 models.
Use the 18mm caps on 2008 + models.



8. Remove 3x Torx T45.
Now push the oil cooler as much to the right as possible, then lower the left end and gently pull the oil cooler out from the vehicle.



9. Move the three rubber bushings and the metal sleeves from the OEM oil cooler to the do88 performance oil cooler.



10.

Reinstall all other parts in reverse order.

Except these 3 points:

1. If you have a 2007 or early 2008 year model and oil line connections look as on the photo below, then remove the small OEM O-rings and use the 2 included O-rings.

Note! Measure the length on your oil connections before installation.

If the straight pipe section on your connection are longer than 13mm they will need to be shortened to 12-13mm. If you need to shorten them make sure no dirt / metal parts are left in the oil lines before installing them.

2. If you don't have connections as on the photo below, just use the OEM O-rings, don't use the included O-rings.

3. When installing the oil lines to the oil cooler use the included M8x12 screws.



11.

Finished. Start engine and check oil level.

If longer than 13mm it will need to be shortened.