

2.0L XE Crank Seals

Front crank seal

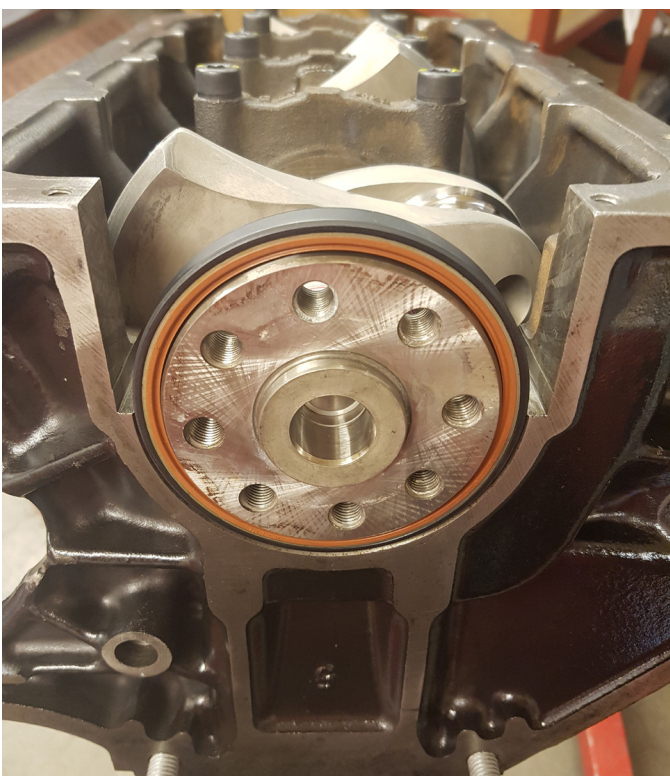
We always fit the front gaskets which are metal and have been for many years, free from any sealant, obviously the two faces must be clean and in perfect condition. When fitting the sump, apply a smear of sealant across the small void between the oil pump and block, created by the thickness of the gasket.

Rear crank seal

When fitting the sump, as far as the rear main cap is concerned, if the rear cap has not been removed, the same thing applies and use a smear of sealant across the joint between the main cap and the block to ensure a perfect seal.

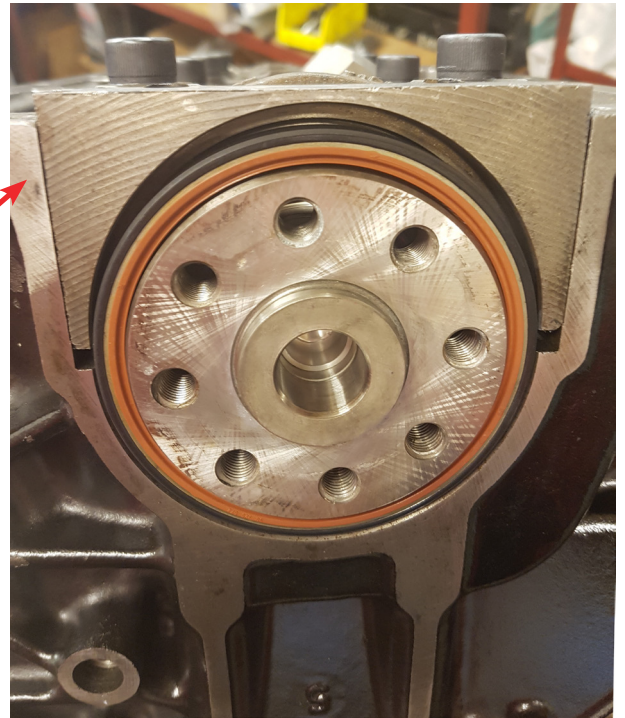
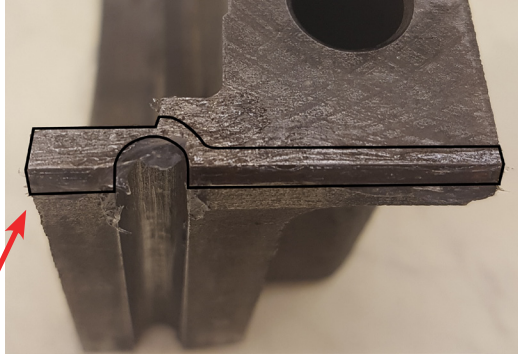
If the rear main cap has been removed, please see the following instructions for re-fitting. There is only one way to seal the main cap correctly.

All faces must be fully cleaned and dried and have no residual silicon.

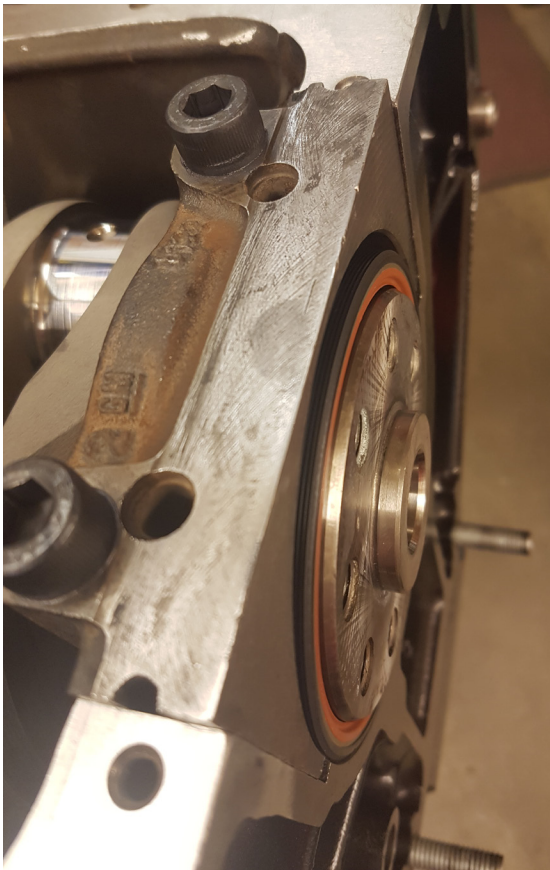


Because you have removed the main cap, it is easiest to fit the rear crank seal before re-fitting of the rear main cap.

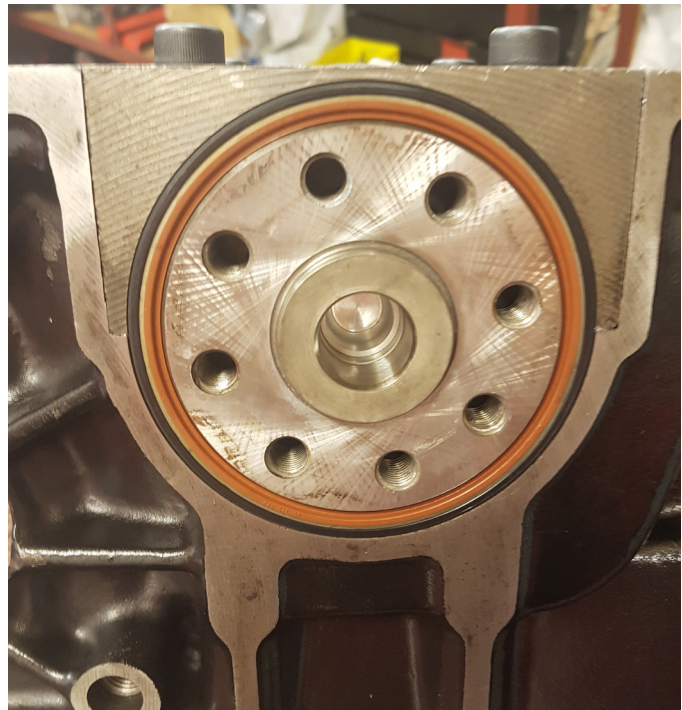
Note: If you are only replacing the rear crank seal and have had no leaks previously, there is no need to remove the rear main cap, simply remove the crank seal and re-install from the rear of the crank.

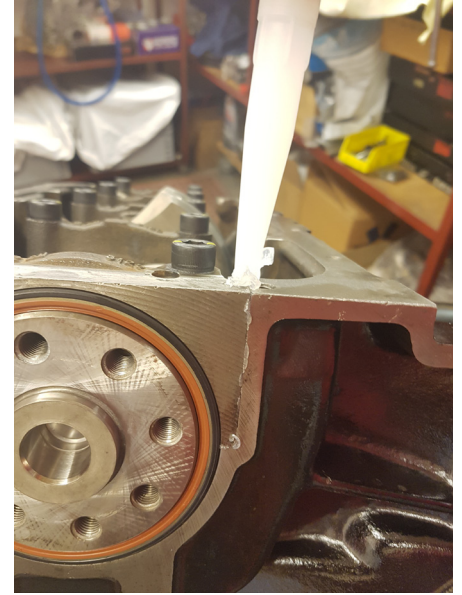
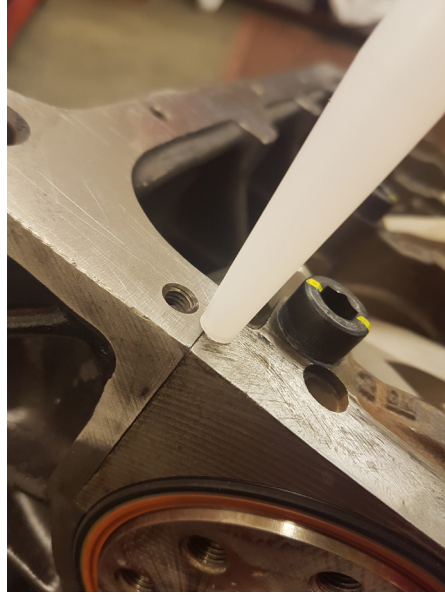
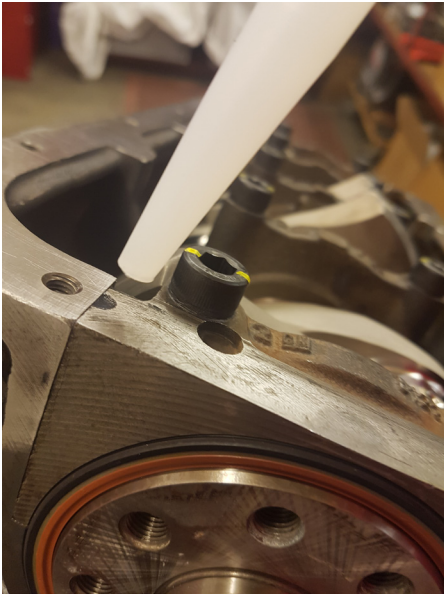


The very base of the main cap where it touches the main part of the block would have a very small bead of silicon applied as shown within the area highlighted in the picture above.



The main cap is then torqued down.





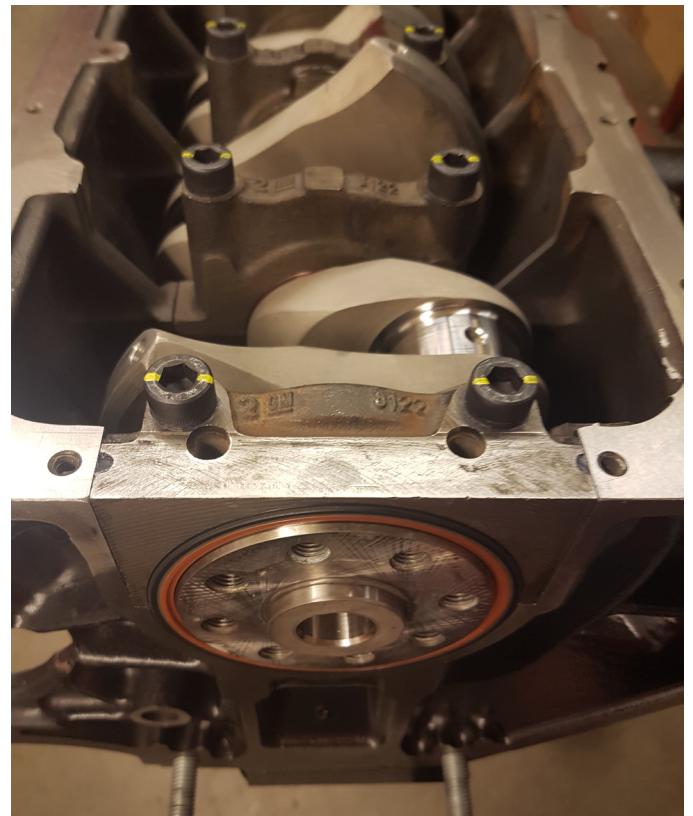
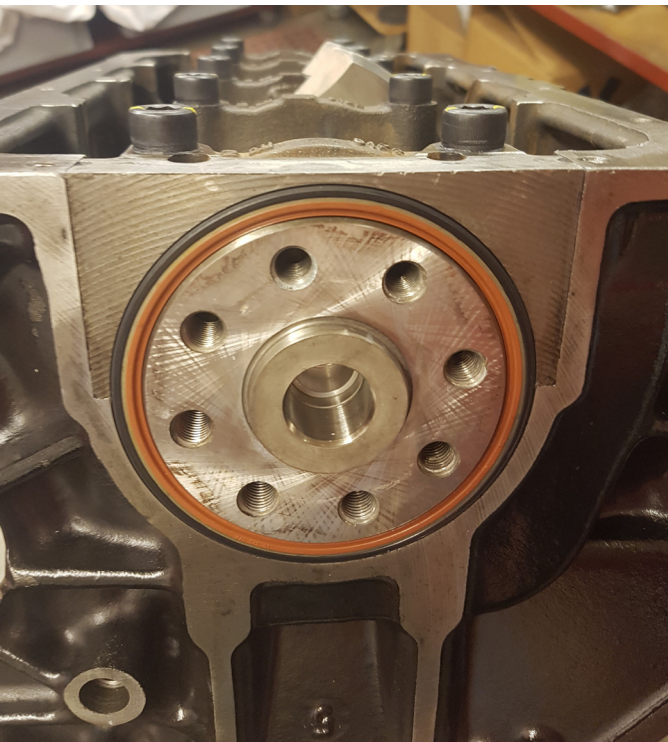
You will then use a silicon gun and inject the silicon into the half round groove which is machined into the edge of the main cap.

Trim the nozzle, so that it fully covers the groove, allowing pressured sealant into the groove.

You inject the silicon with as much pressure as possible until a thin layer of silicon oozes out the front and the back of the main cap all the way from top to bottom (no attempt should be made to pre-apply silicon to this groove).

With the amount of pressure required you would usually expect to get a large quantity of excess silicon oozing back out towards the nozzle. Once the sealant has oozed out all the way then wipe off the excess.

Note: If it does not appear all the way up the groove, then you will have to remove the main cap and start again.



Please be aware that Technical Support involving our Technicians is chargeable

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