

Issue no. 04/2023

Installation notes for the oil filter insert OX 1141D

There is a risk of inadequate lubrication if the O-rings are mounted incorrectly.

The oil filter insert OX 1141D is supplied with all required sealing rings. However, if they are not mounted in the correct position there is a risk of inadequate lubrication and serious engine damage.

Correct fitting positions

The pin of the oil filter insert has three indentations. The O-rings supplied may only be inserted into the front and rear seal grooves. And since the O-rings have different diameters, the correct sealing ring must be inserted into the correct groove. Considerable damage may result if one of the O-rings is mistakenly fitted into the central indentation instead of a seal groove.

Damage due to incorrect installation

If the positions of the two O-rings are swapped or one of them is mounted in the central indentation, this can lead to a leak inside the oil filter, which will cause the oil filter housing to run empty every time the engine is switched off. Additionally, it can result in a delayed and possibly insufficient build-up of oil pressure the next time the engine is started up, which in turn could cause considerable engine damage.

If the O-rings are mounted dry, increased friction can damage the rings or cause them to slip out of the groove. Overtightening the cover gasket of the filter housing may also result in damage and leaks (see also: TM 06/2012).

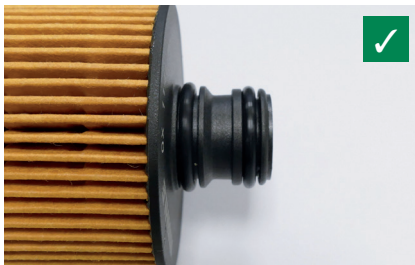


Figure 1: Correctly mounted O-rings

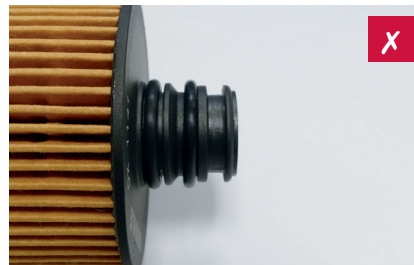


Figure 2: Incorrectly mounted O-rings

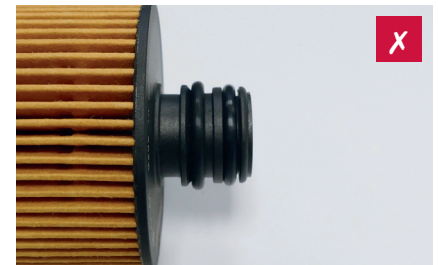


Figure 3: Incorrectly mounted O-rings

Important!

Before installation, all seals on the oil filter insert and housing must be lubricated with clean oil to prevent damage and leaks caused by dry assembly. The filter housing cover must be tightened to no more than the tightening torque specified by the manufacturer.