

## Issue no. 05/2021

Oil filter OC456: oil pressure problems after filter change in 1.8 and 2.0 TFSI engines

*If there are problems with the oil pressure after an oil and filter change in engines of the EA888 series, a missing standpipe is usually responsible.*

### Function of the standpipe

A spring-loaded standpipe made of plastic sits in the reception flange of the engine accessory holder. If the old oil filter is removed, a drainage channel opens in the standpipe so that any residual oil in the flange can drain completely into the oil pan. Fitting the new oil filter loads the spring again and closes the drainage channel. This ensures that the engine oil flows through the filter during operation.

### Potential cause of failure

In some cases, the standpipe becomes stuck in the lower position after removing the old oil filter. This is usually indicated by the presence of old oil in the flange.

As the spring is still loaded, the pipe can pop out at any time. In the worst case, this happens without being noticed—for example, while the vehicle is on the lifting platform.

If the absence of the pipe goes unnoticed until the oil change is completed, the engine oil flows directly back into the oil pan after the engine is started. It will not be possible to build up sufficient pressure and the oil pressure indicator lamp lights up.

### Easy to fix

If the standpipe can be found, it can be cleaned and reinserted into the flange. It's important to ensure that the rubber gaskets are sealed and in perfect condition. In case of doubt or if the standpipe is lost, a replacement can be obtained from the original spare parts market. The original part number is: 06J 115 679 E.



Figure 1: Removed standpipe

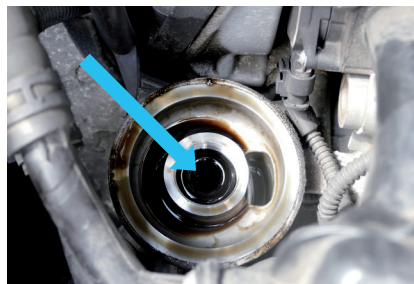


Figure 2: View from above of the oil filter flange and the installed standpipe (arrow)



Figure 3: Without the oil filter back pressure, the standpipe can pop out of the flange.

### Important!

For engines with vertical spin-on filters (filter type OC), it's essential to check and ensure that the standpipe is in place before installing the new oil filter. Later engine series with filter inserts (filter type OX) have a different drain geometry in the flange and are not affected. The gasket on the oil filter must be coated with clean engine oil before fitting in order to prevent damage caused by dry assembly.