

Issue No. 02/2015: Replacing the oil filter insert OX 787D in VW TDI engines

The 1.4/1.6/2.0 L TDI engines from the Volkswagen Group are equipped with a two-piece oil filter housing (model OF206), inside which the oil filter insert OX 787D is fitted.

The peculiarity of this design is the position of the filter housing: it is flange-mounted vertically on the engine block and opens downwards. To protect the mechanic from leaking engine oil during periodic oil changes, MAHLE engineers have devised a simple solution. The cover of the oil filter housing is fitted with a separate drain screw, through which the residual oil in the oil filter can be drained easily and cleanly. The screw can be loosened and re-tightened with a standard socket spanner.

THE OIL FILTER INSERT IS THUS VERY EASY TO REPLACE:

- Loosen the drain screw on the oil sump and allow the engine oil to drain completely.
- Loosen the small drain screw in the cover of the oil filter housing and drain the oil inside the filter housing (Figures 1 & 2)

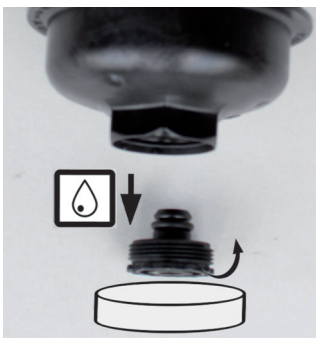


Figure 1



Figure 2

- Replace the O-ring on the drain screw of the oil filter housing (Figure 3).

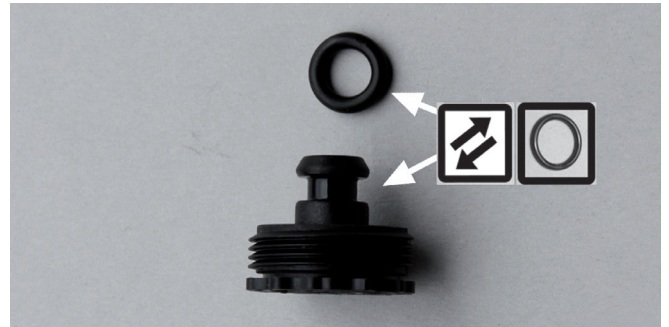


Figure 3

- Only unscrew the cover after the oil filter housing is fully emptied (Figure 4).

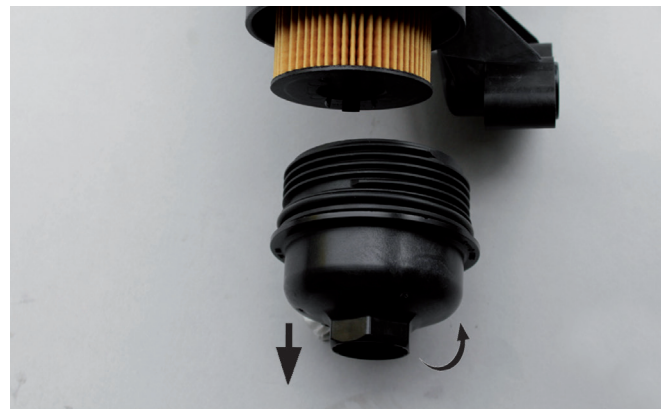


Figure 4

- Replace the ring on the cover of the oil filter housing and tighten the drain screw on the housing to min. 5 Nm and max. 7 Nm (Figure 5).
- Tighten the cover of the oil filter housing to 25 Nm (Figure 8).



Figure 5

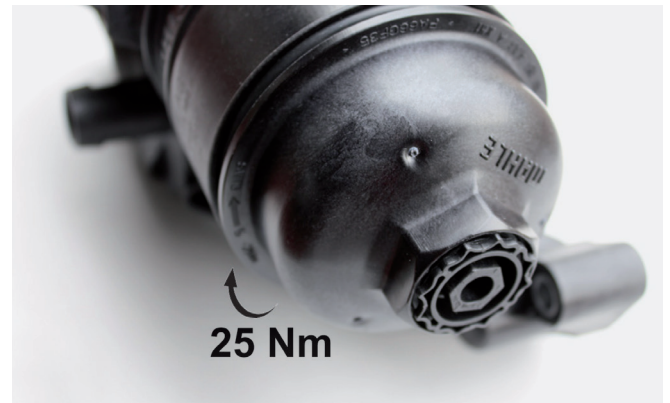


Figure 8

- Replace the oil filter insert OX 787D (Figures 6 & 7).

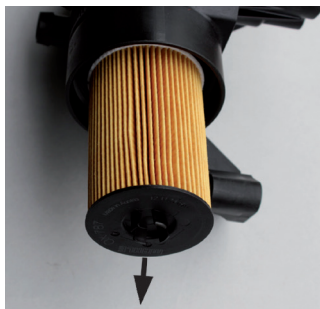


Figure 6

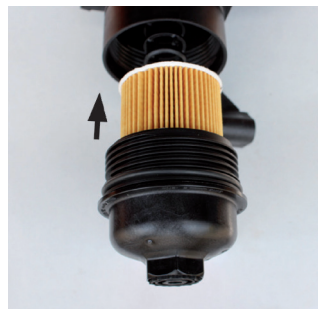


Figure 7

- Finally, top off the engine oil, check the oil level, and check everything for leak tightness.

IMPORTANT: Lightly moisten the two enclosed O-rings and the fleece end cap centre hole of the oil filter with engine oil.