

# NEW PRODUCT HIGHLIGHT | OCT2020



## Blue Print ADBP210027

To Fit:  
Volkswagen, Audi, Seat, and Škoda models

Engine: 1.5TDI, 1.6 TDI and 2.0TDI

EN



### OIL FILTER HOUSING WITH COOLER

#### Function

The plastic casing of the oil filter and the oil cooler which is made of aluminium are combined to form an oil filter module. The main functions include oil filtration, oil cooling, and oil mist separation. The assembly consists of the cap, housing, filter, and a filter by-pass valve which is integrated into the oil filter module. This valve opens if the oil filter becomes clogged; this ensures lubrication of the engine and the integrated retainer for the oil filter element.

The module is attached to the cylinder block and coolant is supplied directly to the oil cooler via the cylinder block to keep the oil temperature within specified parameters.

#### Cause of failure

During oil filter replacement, overtightening (maximum torque 25Nm) or cross threading of the oil filter cap can occur, causing cracking of the oil filter housing and/or the cap. This can cause an oil leak from the assembly.

The aluminium oil cooler will corrode internally if incorrect coolant is used to top up the cooling system. This can lead to the reduction of the relevant inhibitors and eventually could cause an internal coolant leak. As the engine oil circuit is under greater pressure than the coolant system, oil will tend to leak into the coolant circuit. This can be identified by the coolant colour changing to brown.

For more technical information please visit: [partsfinder.bilsteingroup.com](https://partsfinder.bilsteingroup.com)