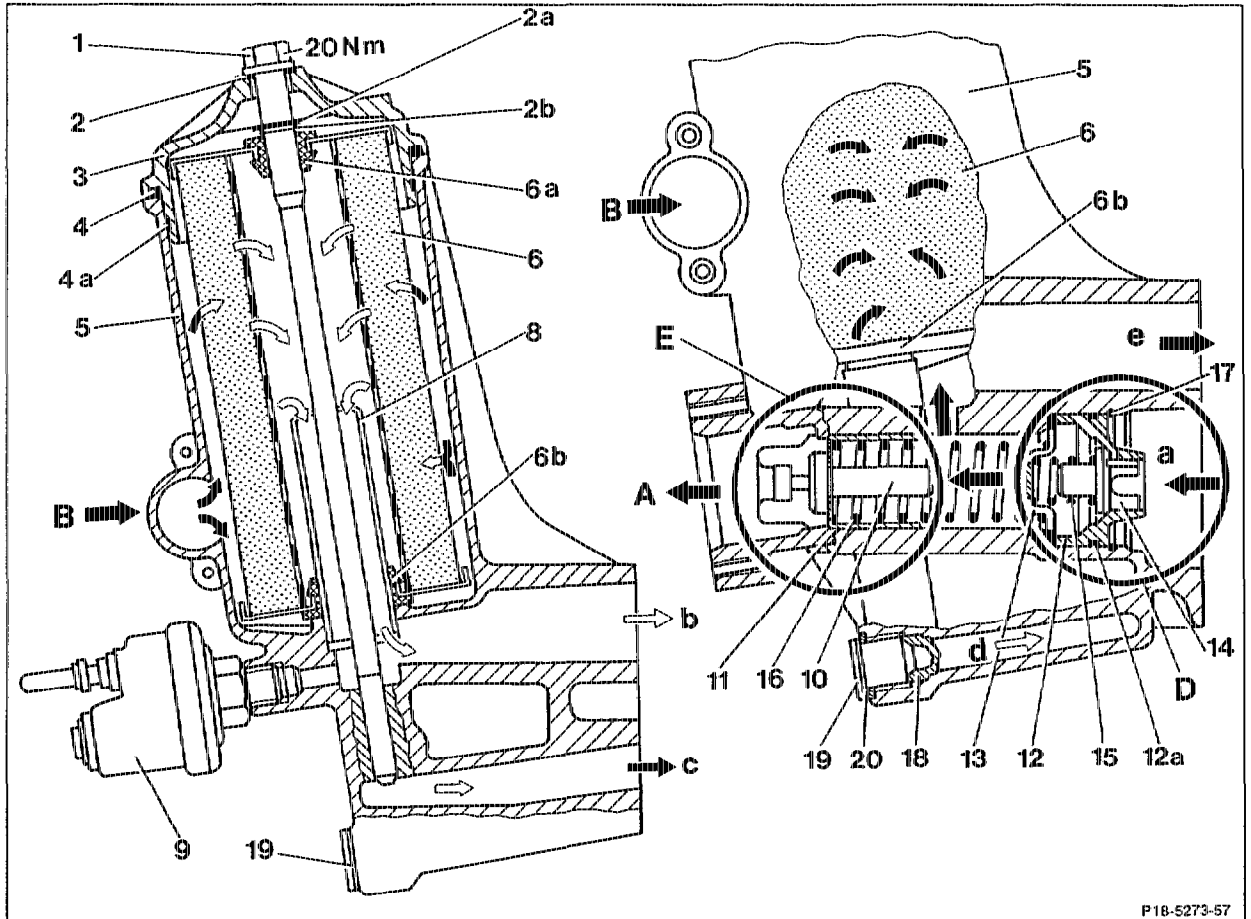


18-1110 Function of oil filter



P18-5273-57

1	Oil filter Central bolt	E	Temperature thermostat insert, oil cooler feed
2	Seal	10	Temperature thermostat insert
2a	Seal	11	Sliding sleeve
2b	Circlip	16	Compression spring
3	Cap	D	Oil return check valve
4	Axial seal	12	Valve seat
4a	Radial seal	12a	O-ring
5	Oil filter housing	13	Dished washer
6	Oil filter element	14	Valve cone
8	Upright pipe	15	Compression spring
9	Oil pressure sensor with seal	17	Circlip
18	Engine oil filling valve (new engine, rubber plug)		
19	M14 screwplug		
20	Seal		

- A Unfiltered oil to air-to-oil cooler
- B Unfiltered oil from air-to-oil cooler
- a from oil pump
- b to bearing points
- c Oil return to sump when changing filter
- d to bearing points and to oil pump
- e Unfiltered engine oil to oil filter bypass valve in crankcase

D Return check valve

The return check valve prevents the oil filter running dry when the engine is switched off.

Opening pressure 0.2 bar.

E Oil cooler feed temperature thermostat element

The temperature thermostat element opens from an oil temperature of approx. 110 °C and feeds the engine oil through the air-to-oil cooler into the filter chamber of the oil filter.