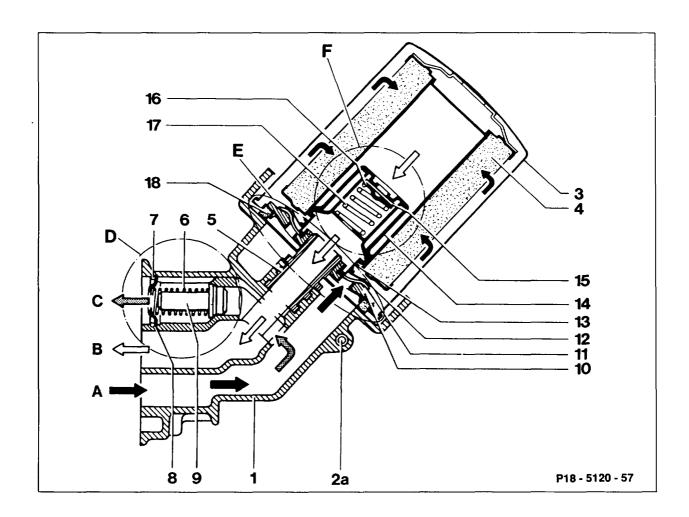


P18-5322-59

1	Oil pump with oil pressure relief valve	10	Oil feed in hollow-drilled camshaft and camshaft
2	Oil longitudinal gallery to oil filter		bearings
3	Oil filter	11	Oil longitudinal gallery in cylinder head
4	Electrical oil pressure sensor	12	Oil feed to camshaft lubricating tube at 4th
5	Main oil gallery		camshaft bearing
	Note	13	Oil feed to rocker arms and hydraulic valve
	Crankcase 2nd version has an oil transverse		clearance compensating elements (12x)
	gallery at the front like engine 104	14	Camshaft lubricating tube
		15	Oil gallery in hollow-drilled camshaft to camshaft
6	Oil riser gallery to chain tensioner		bearings
7	Chain tensioner	X	Drilling aid gallery sealed with cylinder head
8	Oil riser gallery to cylinder head		gasket
9	Oil return lock		-



	Oil filter	11	Rubber diaphragm
1	Oil filter bottom part	12	Spring plate
2a	Oil pressure sensor connection	13	Compression spring
3	Replaceable cartridge		
4	Filter element	F	Non-return valve
5	Connection fitting	14	Valve holder
		15	Valve plate
D	Oil filter bypass valve	16	Valve plate carrier
6	Compression spring	17	Compression spring
7	Circlip	18	Gasket
8	Spring retainer		
9	Valve cone	Α	Feed from oil pump
		В	Filtered oil to main oil gallery
E	Outlet lock	С	Unfiltered oil to main oil gallery
10	Pressure plate		-

D Oil filter bypass valve

The bypass valve opens once the flow resistance in the replaceable cartridge exceeds 2 + 0.3 bar, and unfiltered engine oil flows into the oil circuit.

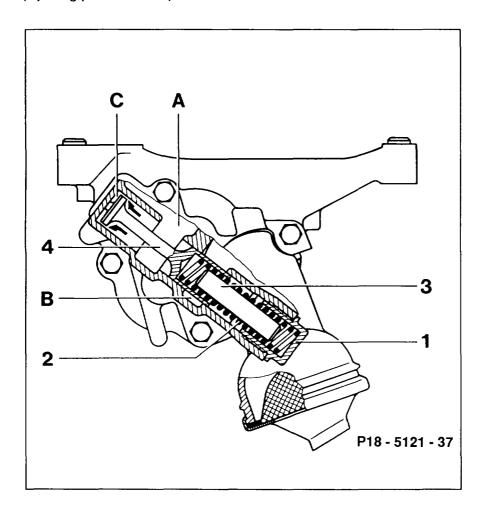
E Outlet lock

The spring-tensioned rubber diaphragm (11) in the replaceable cartridge prevents unfiltered oil flowing out of the replaceable cartridge when the engine is switched off or when changing the filter.

Non-return valve

The non-return valve (16) in the replaceable cartridge prevents clean oil flowing off out of the replaceable cartridge via the bearing points when the engine is switched off.

Oil pressure relief valve (Opening pressure 5 bar)



- Screw plug
- Compression spring (102.9 mm long)
- 2 Guide pin (45 mm long)
- Piston

- Pressure chamber (feed)
 - Suction chamber (return)
- Damping chamber