

C. Cleaning and Checking of Oil Relief Valve in Main Oil Flow

The only difference in the oil relief valves on the various models is in the shape of the housing (Figs. 18-5/4 and 18-5/5). The method of operation and the cleaning and checking procedures are the same for both versions of the oil relief valve. The piston spring, the piston and the retainer ring are identical on both valves and are interchangeable.

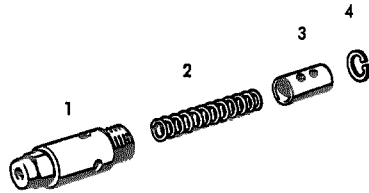


Fig. 18-5/4

Oil relief valve for Models 180 a, 180 b, 190 SL, 220 SE, and 219, 220 S (2nd version)

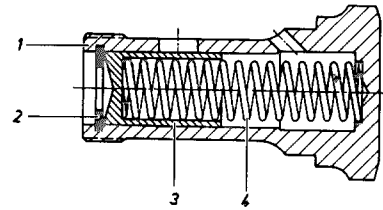


Fig. 18-5/5

Oil relief valve for Models 220 a and 219, 220 S (1st version)

- 1 Oil relief valve
- 2 Retainer ring
- 3 Piston
- 4 Spring

Test Values of the Spring of the Oil Relief Valve

Length L and Pressure P					Wire gage d mm	External diameter D mm
Free length L mm	Valve closed		Valve open			
	L ₁ mm	P ₁ kg	L ₂ mm	P ₂ kg		
43.6	39	2.4	30.5	6.8±0.35	1.4	9.1—9.4

The opening pressure is 6 ± 0.5 kg/cm²

D. Disassembly, Cleaning, and Reassembly of Oil Filter

On Models 180 a, 180 b, 190 SL, 220 a, 219, 220 S, and 220 SE the disassembly, cleaning and re-assembly procedures of the oil filter are the same as described for Model 190.

There is, however, a difference in the shape of the housing top as was mentioned in Job No. 01-4, Section I. In addition attention should be paid to the different number of elements (Figs. 18-5/6 and 7).