

The housing and element of the SD22 oil cooler are fitted with a gasket and clamped to the cylinder block. In the case of SD33 oil coolers, however, the gasket is fitted after the

element has been installed in the housing and the oil cooler assembly is clamped to the cylinder block. (Refer to Overall Reassembly.)

## 6-7 OIL FILTER

### a. CONSTRUCTION AND OPERATION

The oil filter is attached to the right side of the cylinder block, and is equipped with a paper

element. The filtering system is a full-flow type.

#### (1) SD22 oil filter

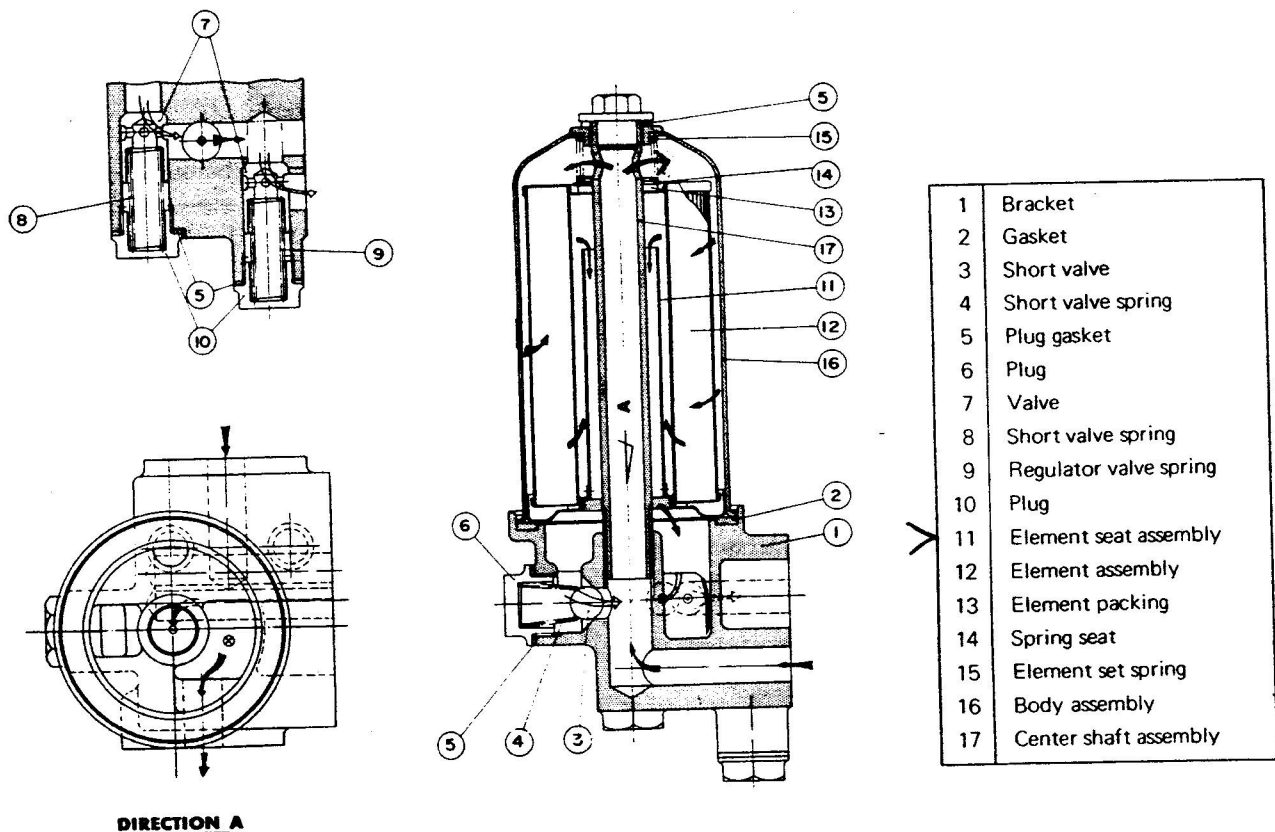


Fig. 6-22 SD22 oil filter

The bracket accommodates three valves: Oil filter short valve (opening pressure of  $1.0 \pm 0.1 \text{ kg/cm}^2$  ( $14.2 \pm 1.4 \text{ psi}$ )), oil cooler short valve (opening pressure of  $1.5 \pm 0.2 \text{ kg/cm}^2$

( $21.3 \pm 2.8 \text{ psi}$ )), and regulator valve ( $3.3 \pm 0.2 \text{ kg/cm}^2$  ( $46.9 \pm 2.8 \text{ psi}$ )). The normal path of circulation is depicted in Fig. 6-22.