

Fig. 20-80 ① Extension side ⑤ Bottom valve spring
 ② Chamber "b" ⑥ Bottom valve
 ③ Chamber "c" ④ Passage III

• Compression side

When oil attempts to flow from the chamber "b" to the chamber "a", the valve A is closed. Then the oil passes through the passage II to cause the valve B to lift up the valve spring and flows into the chamber "a" from the bottom of the valve. (Fig. 20-80)

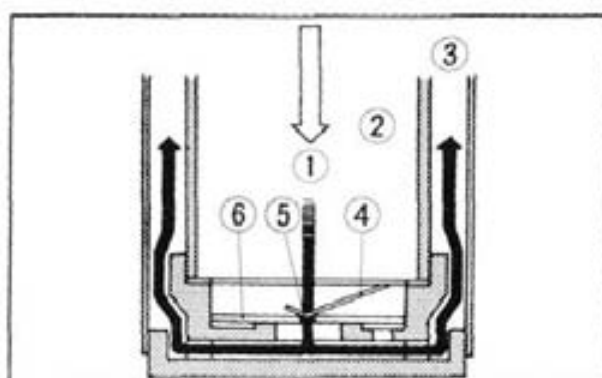


Fig. 20-81 ① Compression side ④ Bottom valve spring
 ② Chamber "b" ⑤ Orifice
 ③ Chamber "c" ⑥ Bottom valve

A small quantity of damping force may be provided by the resistance of the valve spring, but a large quantity of the force can be provided by the resistance on the bottom valve side. The oil in the chamber "b" flows by the amount corresponding to the volume of rod into the chamber "c" through the orifice I and the damping force is provided by the resistance at this time. (Fig. 20-81)