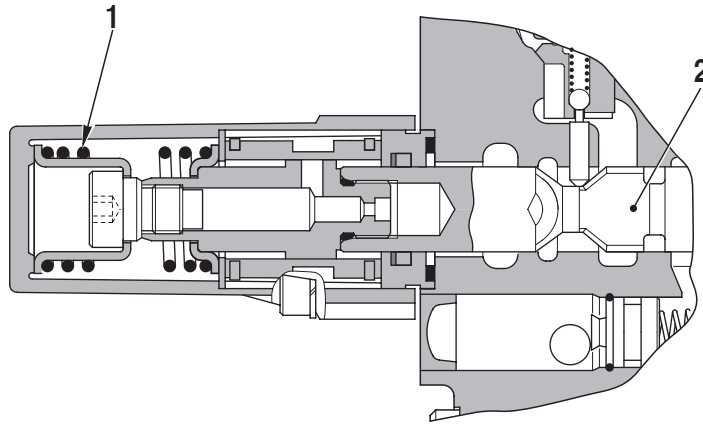


5.6.4 DESCRIPTIONS OF COMPONENTS

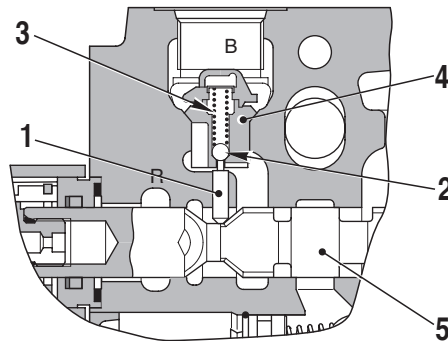
SPOOL RETURN DEVICE



D0005040

- 1. Spool return spring
- 2. Spool

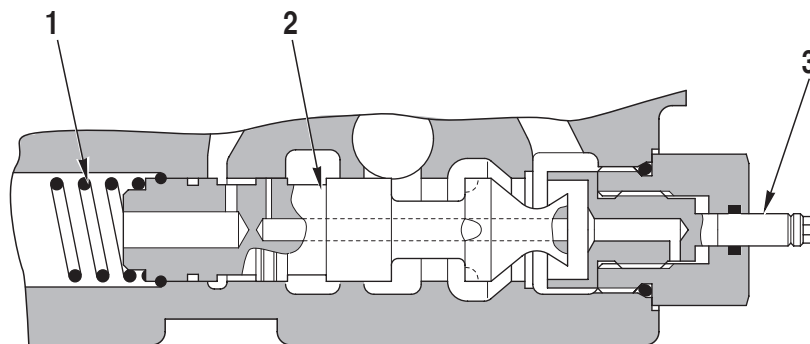
Check valve (NR)



D0005050

- 1. Slide
- 2. Ball
- 3. Check valve spring
- 4. Valve seat
- 5. Spool

FLOW CONTROL VALVE



D0005060

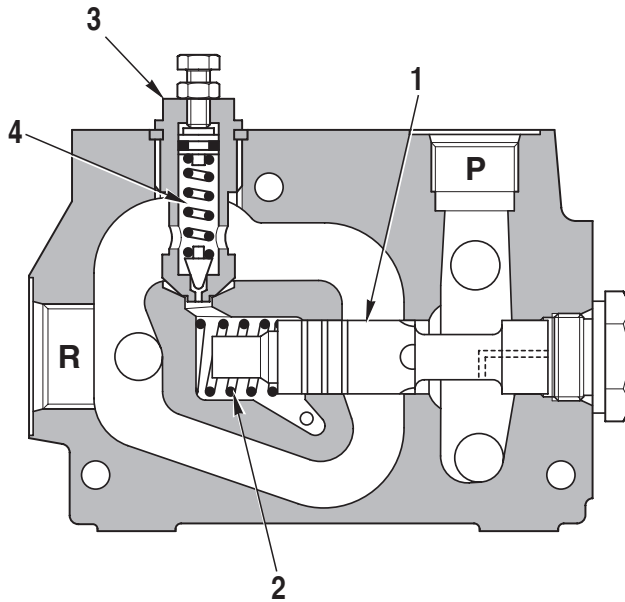
1. Spring
2. Flow control spool
3. Control shaft

5.6.5 INLET MANIFOLD (CC version)

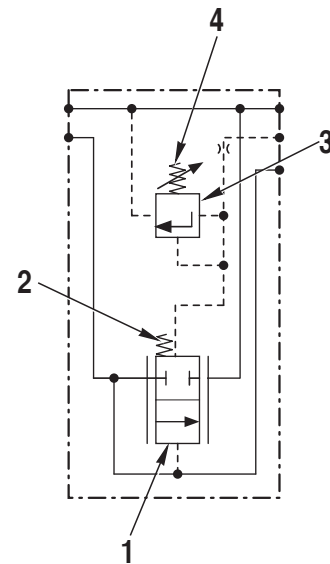
DESCRIPTION

The function of the inlet manifold is to send only the required amount of oil to the actuators and to send any excess oil supplied by the pump to the drain circuit.

The inlet manifold also includes a relief valve that limits the operating pressure of the actuators.



HYDRAULIC DIAGRAM

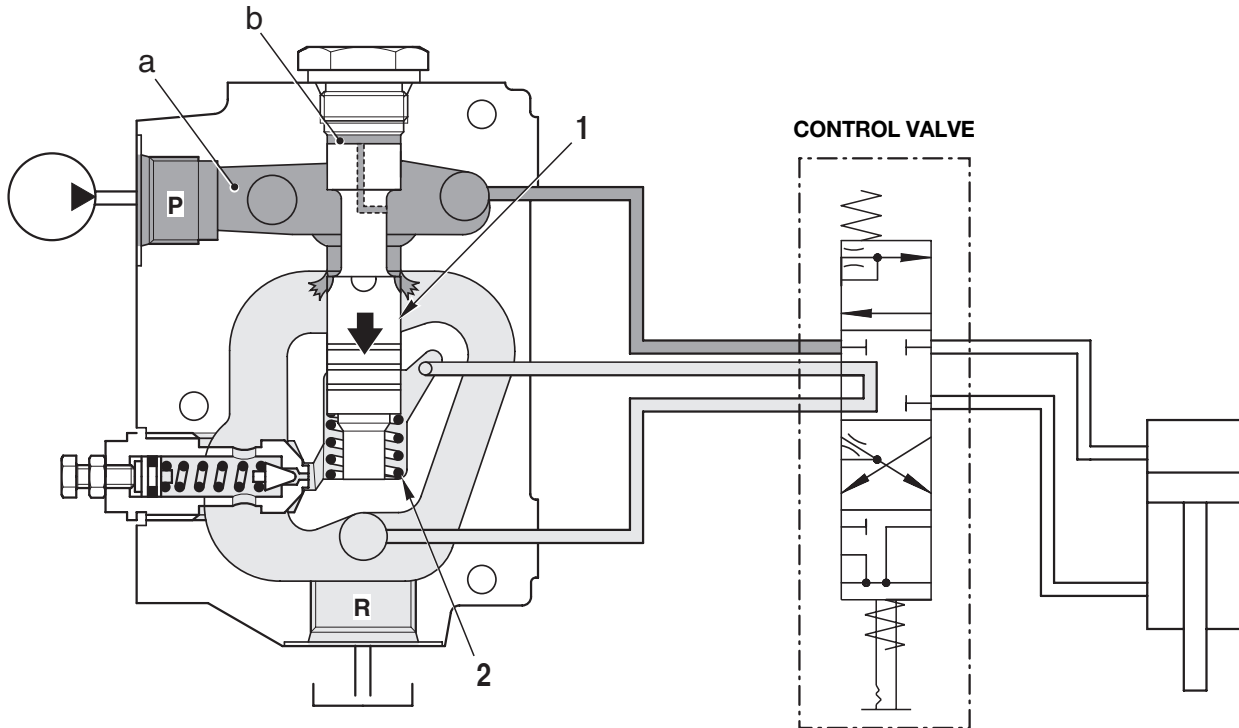


D0005070

1. Pressure compensating valve spool
2. Compensating valve spring
3. Relief valve
4. Relief valve spring

OPERATION

1. When the actuators are not operated



D0005080

- When the engine is running and the driver does not operate any of the hydraulic service controls, the pump sends oil to the inlet manifold (port **P**).
- As all the actuators are stationary, the oil pressure increases in chamber **a** and consequently also in chamber **b**.
- When the oil pressure in chambers **a** and **b** exceeds the force exerted by the spring (2), the spool (1) is shifted downwards, allowing the excess oil from the pump to flow to drain.