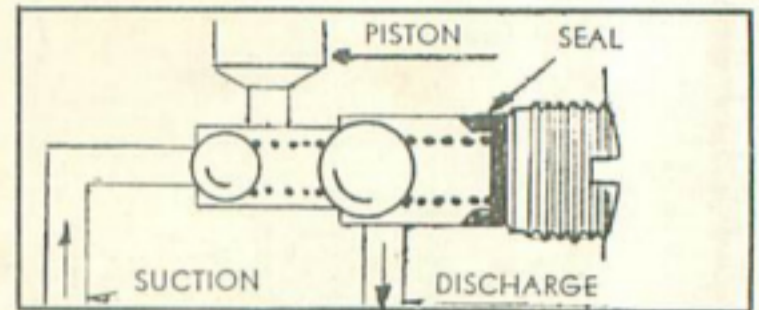
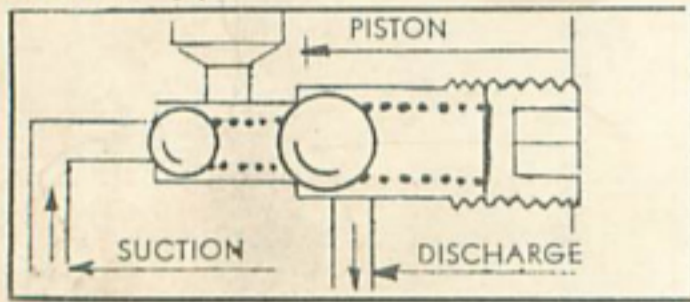
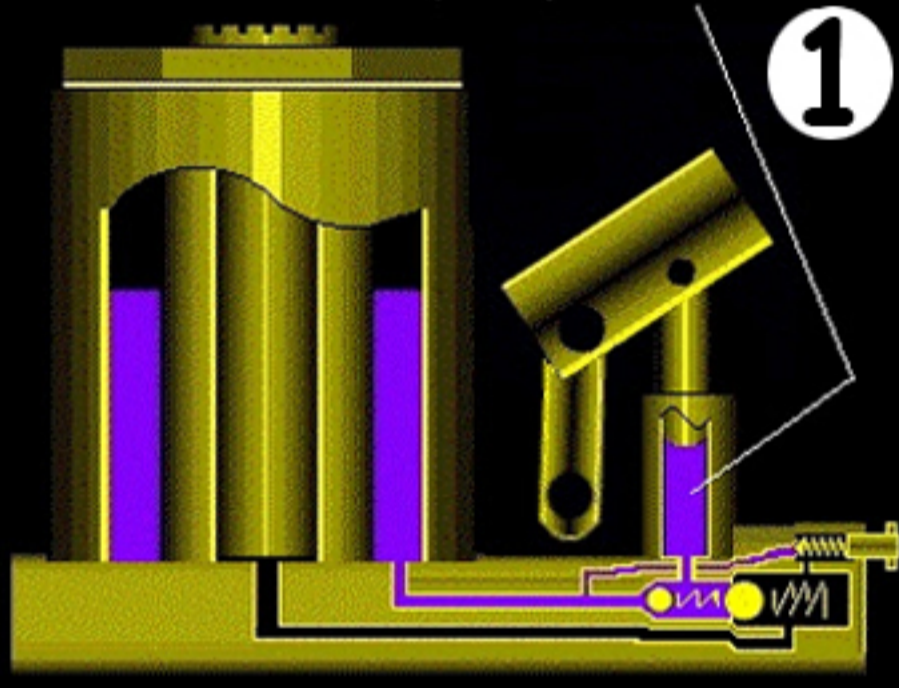


PUMP VALVE

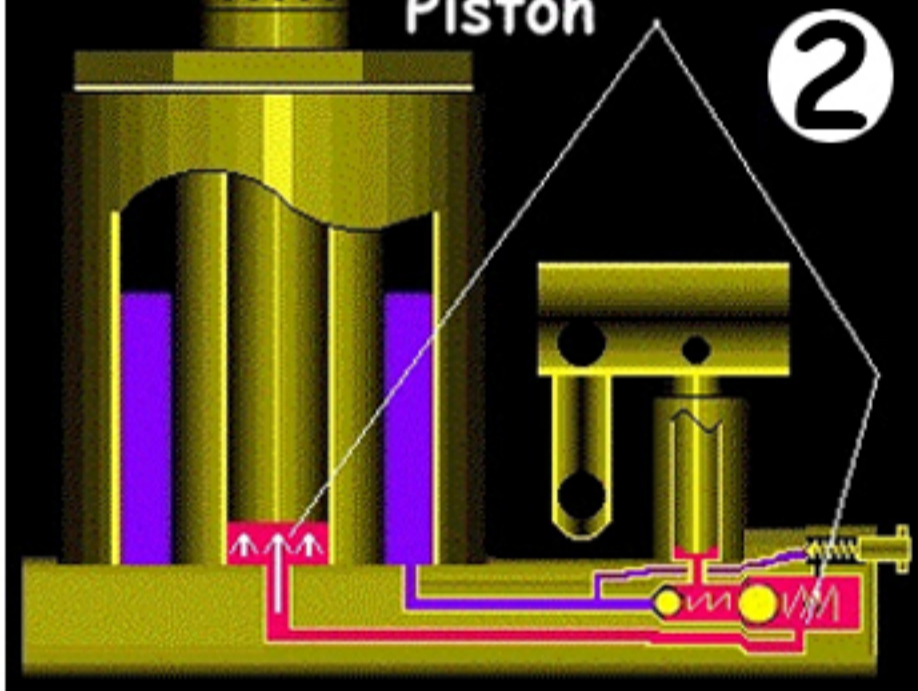
If your jack fails to lift a load or if it lowers when under a load and the handle slowly raises, the pump valves need cleaning. To clean pump valves first open release valve to release pressure from jack. Remove pump valve plug from base of jack and with plug hole down strike base of jack on bench until springs and balls fall out of valve chamber. Inspect valve chamber for foreign particles. Clean chamber thoroughly but be careful not to mar or damage hair line valve seats. Clean balls and springs carefully. Discard any balls which are rusted or corroded. To reassemble pump valves first drop small ball in chamber followed by small spring. Then drop in large ball and large spring. Use a good sealing material on plug and screw it in chamber. If the pump valve of your jack has the new neoprene seal below plug, always replace it with a new one using tool SS-12 for this purpose. Sealing material on plug is not necessary when this neoprene seal is used. Notice following sketches and assemble pump valves accordingly.



**Upstroke of the Pump
Handle draws oil into
the Pump Cylinder...**



**Down Stroke of the Handle
Pushes pressurized oil to
Main Cylinder raising Main
Piston**



**Repeat Stoking...
Notice the Check Valve
Opening and Closing off
with each
motion...**

