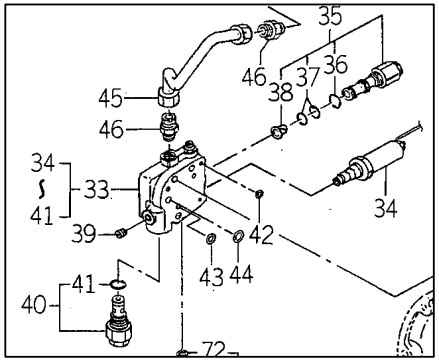
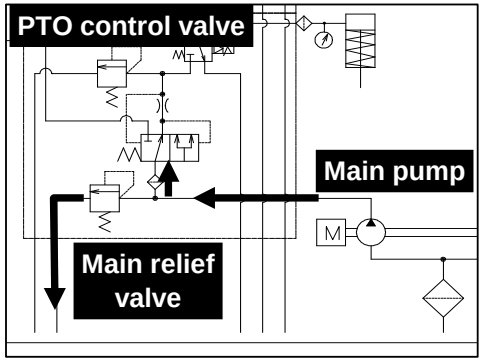
5-3.Main Relief Valve

5-3-1.Parts & Hydraulic Diagram

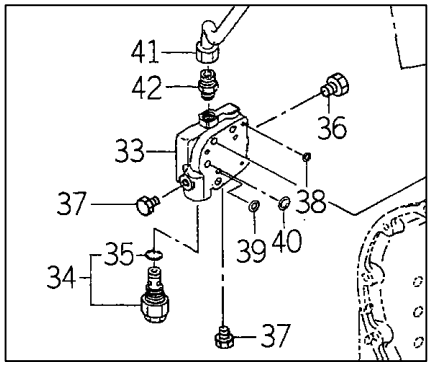
1) STANDAD version & HST version ← : Oil flow direction

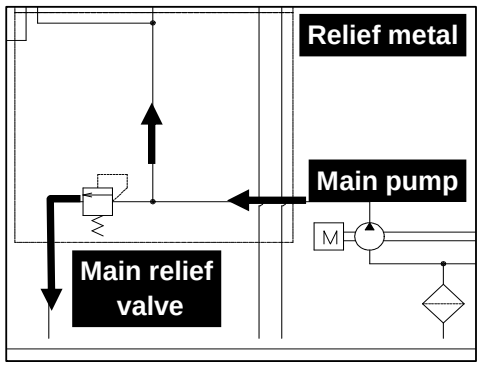




KEY	PART CODE	DESCRIPTION
40	6 241012 M91	VALVE/RELIEF ASSY
41	3 702466 M1	RING/O
33	6 240972 M91	VALVE ASSY

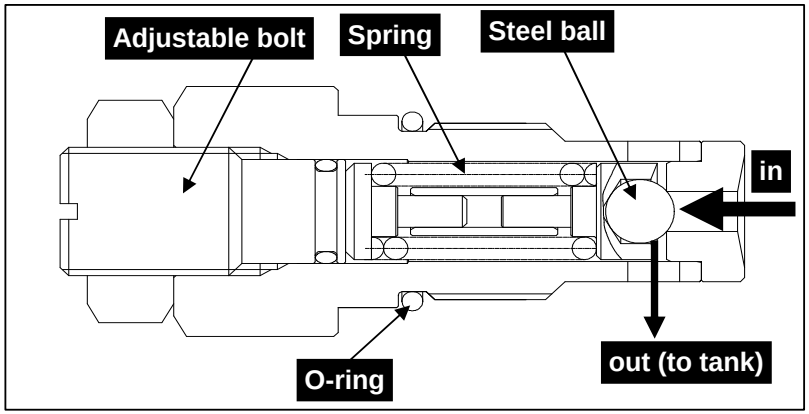
2) POWER SHUTTLE version & Q version





KEY	PART CODE	DESCRIPTION
34	6 241012 M91	VALVE/RELIEF ASSY
35	3 702466 M1	RING/O
33	6 242751 M2	METAL/RELIEF

5-3-2.Detail View



5-3-3.Specifications

1) Relief Pressure : 15.7Mpa (160kg/cm2) at 22 l/min 50 degree
2) Cracking Pressure : 14.1Mpa (144kg/cm2) at 0.3 l/min 50 degree

5-3-4.Operation Mechanism

1) Relief valve works to prevent damage by high pressure.
   Cracking pressure 144kg/cm2, the fluid push up steel ball, overcoming the force of spring.
   And then return fluid to tank.
2) It is possible to change the relief pressure by adjustable bolt. But, in this case, we cannot guarantee the performance of it.

5-3-5.Others

1) Tightening torque of Main Relief Valve
   63.8±0.5 N·m (650±50 kgf·m)
2) When installing pump, use new O-ring with fresh grease.