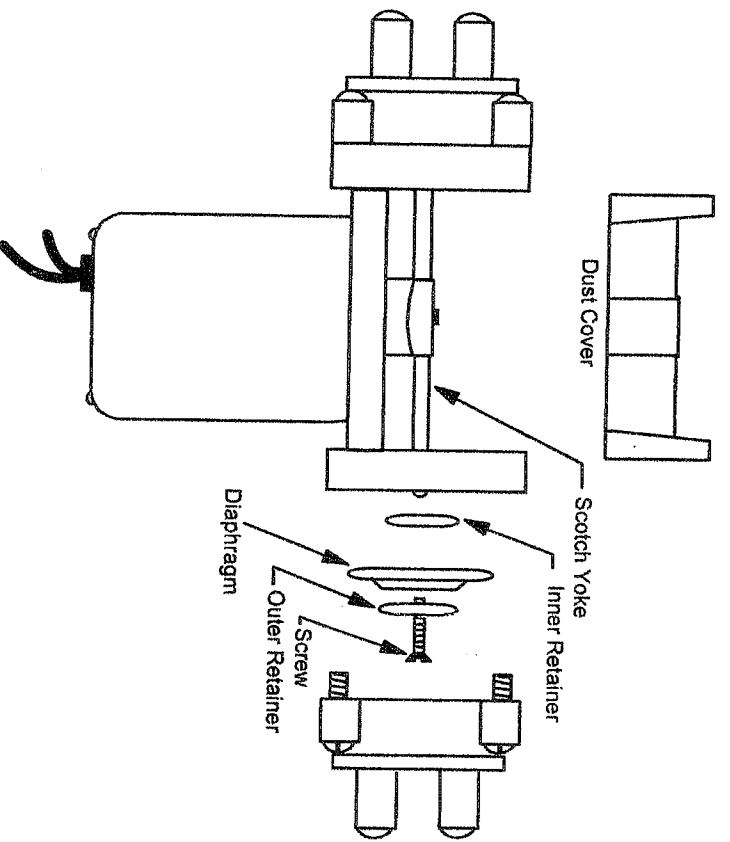


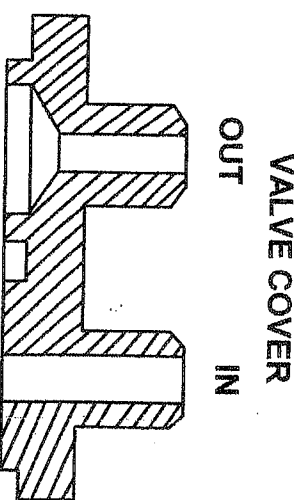
Diaphragm Replacement



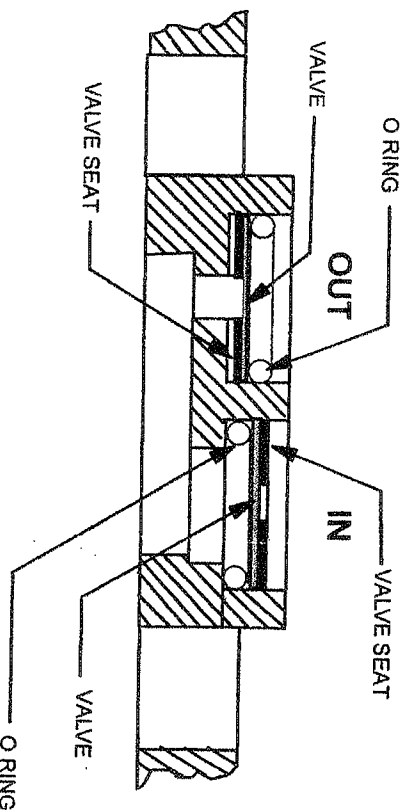
We strongly recommend that only one side of the pump head be disassembled at a time so that the opposite side can hold the yoke tightly on the proper plane.

- 1) Remove plastic dust cover (2 screws), then remove one pump head (4 screws).
- 2) Holding the yoke in place, remove the single flat head screw to remove the old diaphragm.
- 3) Holding the yoke in place, install the new diaphragm. Note that the diaphragm rim must face the pump head. The lip on the outer retainer must be centered in the diaphragm center hole, and the counter bored side of the outer retainer must face the end of the yoke.
- 4) Reinstall the pump head with the inlet/outlet ports properly oriented, and with the diaphragm rim encasing the matching groove on the pump head underside.
- 5) Repeat the same procedure to replace the diaphragm on the opposite side.
- 6) Reinstall pump head.
- 7) Form the new diaphragms with the pump running. For vacuum, temporarily block inlet ports. For pressure, temporarily block outlets.

Valve Replacement



VALVE CHAMBER



NOTE: Assemble valve components in order shown. Valves must lay flat. Valve surfaces must be clean & free of debris. Observe proper orientation of valve cover with respect to valve chamber.