

## SEAL INSTALLATION INSTRUCTIONS

1. Disassemble pump cavity to expose existing seal. Removal of old seal and assembly of new seal requires careful operations and precautions.

**CAUTION:** Lapped and polished faces of new seals are easily scratched and damaged. **PROTECT FROM DAMAGE, DIRT, AND FINGERPRINTS.**

2. Carefully remove old seal head and seat (note where and how it was installed) taking care not to scratch shaft or seat counterbore.
3. Clean shaft and counterbore surfaces using fine emery cloth or equivalent. Remove rust, burrs and wipe clean.
4. Before installing the new seal be sure to check seal surfaces to insure they are free of any dirt, grit or lubricants. An alcohol wipe may be used to clean the seal face before final installation.
5. Press seal seat firmly into counterbore, be sure it is bottomed square. **SLIDE SEAL HEAD ALONG SHAFT MAKING SURE THE SPRING IS CORRECTLY ENGAGED INTO SEAL.**
6. Re-assemble pump and remember that trouble free operation of a pump includes making a correct seal installation.
7. Flood the pump with water before starting. **NEVER RUN THE PUMP DRY!** This damages the seal.

