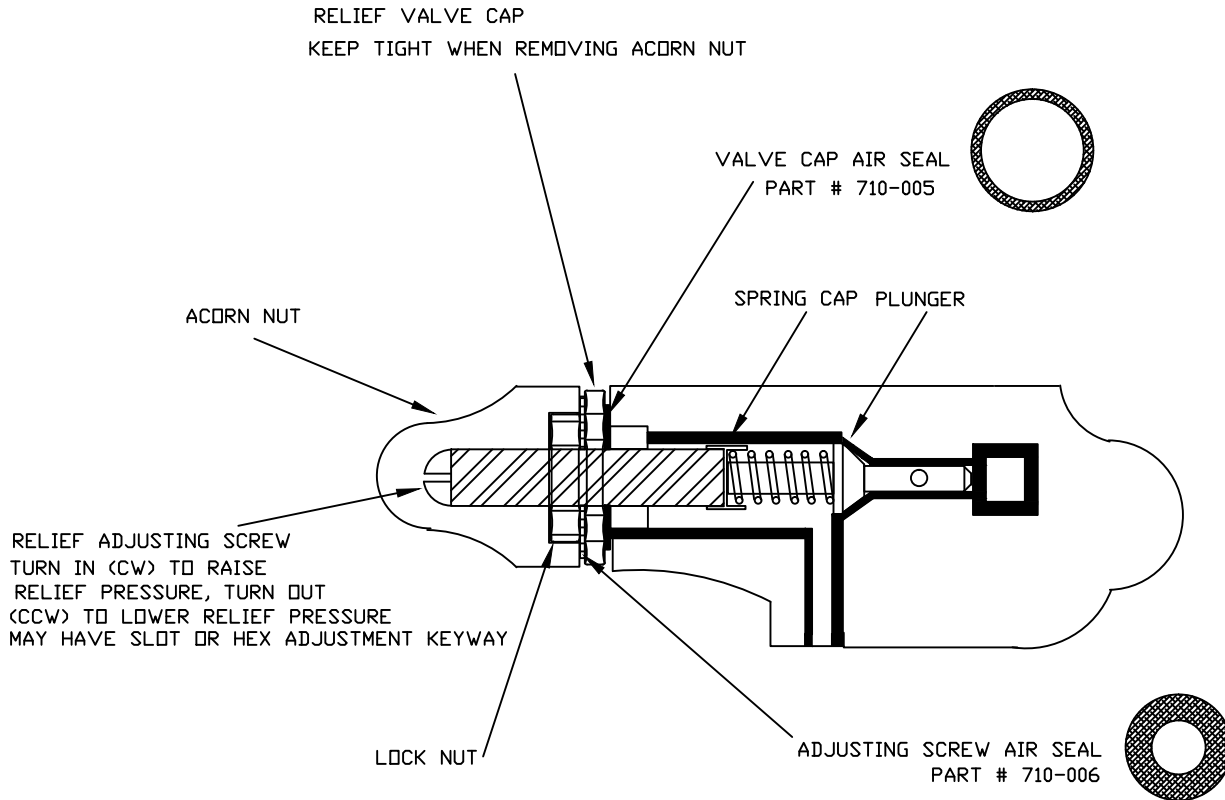


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TECHNICAL SERVICE BULLETIN #1-07



TUTHILL PUMP RELIEF SEAL REPLACEMENT PROCEDURES

IF YOUR SYSTEM IS PULLING IN AIR THAT IS NOT VISIBLE IN THE INLET LINES THEN YOUR SEALS IN THE PRESSURE RELIEF VALVE MAY NEED REPLACING. WHENEVER YOU ADJUST THE PRESSURE RELIEF SCREW WE RECOMMEND THAT YOU REPLACE THE AIR SEAL GASKET.

REPLACING THE ADJUSTING SCREW AIR SEAL

1. WHILE HOLDING THE VALVE CAP FIRMLY WITH A WRENCH -REMOVE THE ACORN NUT IN CCW ROTATION
2. HOLD THE ADJUSTING SCREW IN PLACE WITH A SCREWDRIVER BLADE, OR HEX KEY, AND LOOSEN THE LOCK NUT
3. REMOVE THE LOCK NUT AND OLD WASHER
4. SLIP ON NEW WASHER AND TIGHTEN DOWN WITH THE LOCK NUT- TAKE CARE NOT TO LET THE ADJUSTING SCREW ROTATE
5. REPLACE THE ACORN NOT WHILE HOLDING THE VALVE CAP WITH A WRENCH.

REPLACING THE VALVE CAP SEAL

1. LOOSEN THE VALVE CAP BODY AND CAREFULLY REMOVE ADJUSTER, LOCKNUT AND BODY AS ONE PIECE.
CAUTION - MAKE SURE THAT THE SMALL, METAL CAP AND SPRING DO NOT FALL OUT OF THE PLUNGER AREA
USE A SMALL SCREWDRIVER OR PUNCH TO PUSH THE CAP AND SPRING BACK ONTO THE PLUNGER- IF THE CAP OR SPRING IS MISSING THE PUMP MUST BE OPENED UP TO PULL THEM OUT OF THE GEARS.
2. REMOVE THE OLD VALVE CAP GASKET AND INSTALL NEW SEAL. THE USE OF SEALANTS IS NOT RECOMMENDED.
3. REPLACE VALVE CAP BODY BEING CERTAIN THAT THE SEAL IS SEATED ON THE CAP PROPERLY.
4. TIGHTEN VALVE CAP FIRMLY
5. RESET RELIEF - UNITS WITH INTERNAL RELIEF ONLY (810-051 Series)- SET TO 100 PSI AT DEADHEAD (NO FLOW).
UNITS WITH INTERNAL AND EXTERNAL RELIEF VALVES(All Stolle Systems)-SET TO 130 PSI AT DEADHEAD (NO FLOW).
6. REPLACE ACORN NUT - DO NOT OVERTIGHTEN- USE FIRM PRESSURE ONLY.