

SAILTEC INFORMAL NOTES ON HOW TO REPLACE A BRASS PUMP PISTON FROM INTEGRAL PUMP.

OPEN VALVE TO RELEASE ALL PRESSURE.

REMOVE FROM BACKSTAY.

EXTEND PISTON ROD, MANUALLY.

SECURE INTEGRAL, LOWER PUMP AREA IN A VICE WITH SOFT JAWS. YOU DO NOT WANT TO BREAK THE GUAGE, AND LEAVE ROOM FOR THE PIN TO EXIT THE JAW.

INVERT INTEGRAL SO PUMP IS UPSIDE DOWN.

Insert a 1/4" punch through both the pump body pin hole and lever hole.

While punch is inside, push down the pump lever.

Remove punch, lift lever, reinsert punch into the pump body under lever.

Push down and the pump piston should pop out.

Be careful not to loose 1/4" x 5/8" pin connecting the pump piston to lever.

Pump Piston Replacement

Replace pump piston or polypak. Place slotted end of piston into slotted end of lever and connect the two with 5/8" pin.

In this position, the squared end will easily accept a thin open end 5/8" wrench.

**While still connected to the lever by the pin.
Lubricate the polypak.**

While using wrench as leverage, gently place pump piston into pump piston port at a steep angle so that approximately 1/2 of the circumference of polypak is accepted by the port.

Use a small flat head screwdriver, (like a shoe horn) push firmly, forward and down to tuck in the other half of polypak into the port.

Push down gently while wiggling back and forth until it is in place.

Be sure the lip of the polypak is not peeled back. If lip of polypak is not flat, remove polypak, rotate 180 degrees and try again.

Finally, reinsert knurled pin through jaw/ pump body and lever hole to complete linkage. Use a little 271 loctite on end of knurled pin and tap pin "home" through jaw, pump piston, pump lever, jaw.

End of removing & replacing brass pump piston.

