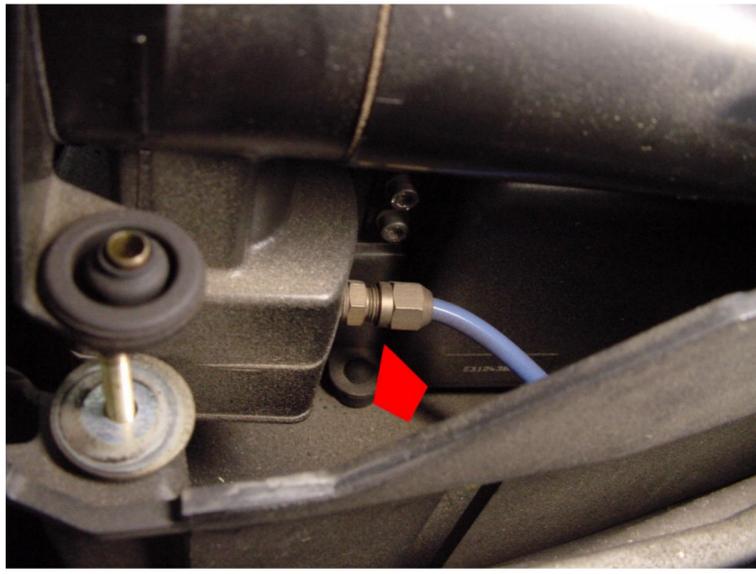


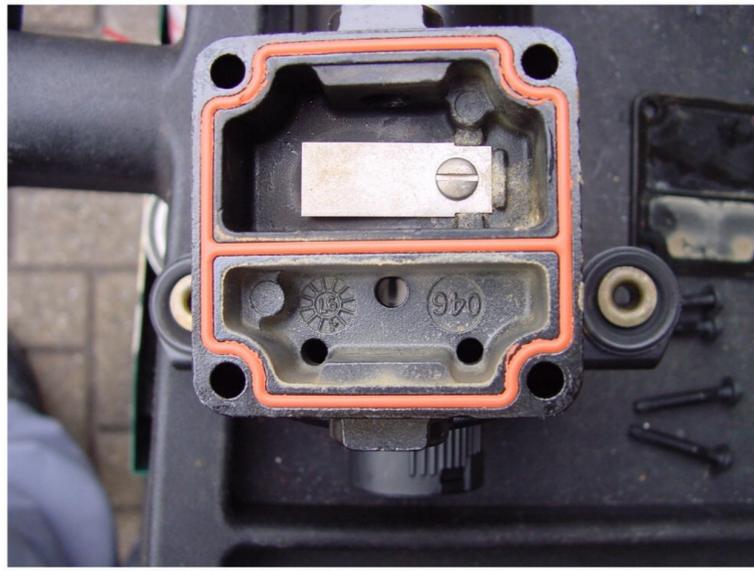
1. Unscrew the 3 nuts (open end wrench #8)



2. Lift the pump and disconnect the airline (open end wrench #12)



3. Unscrew the 4 nuts (open end wrench #8)



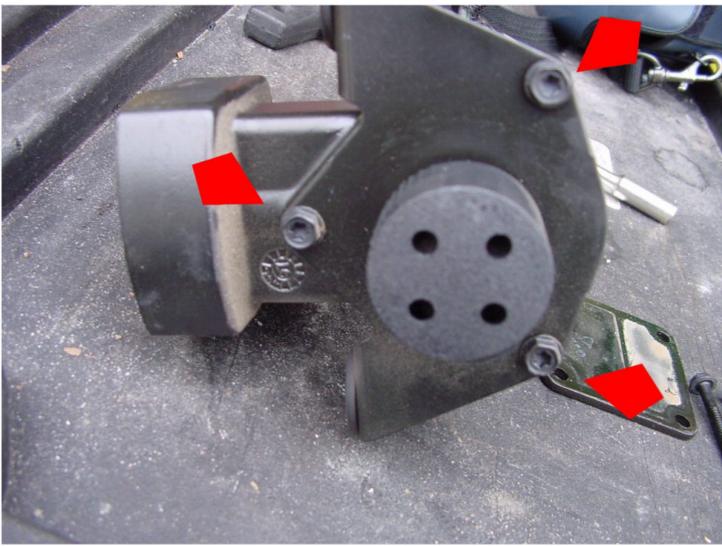
4. Take the loose part from the pump



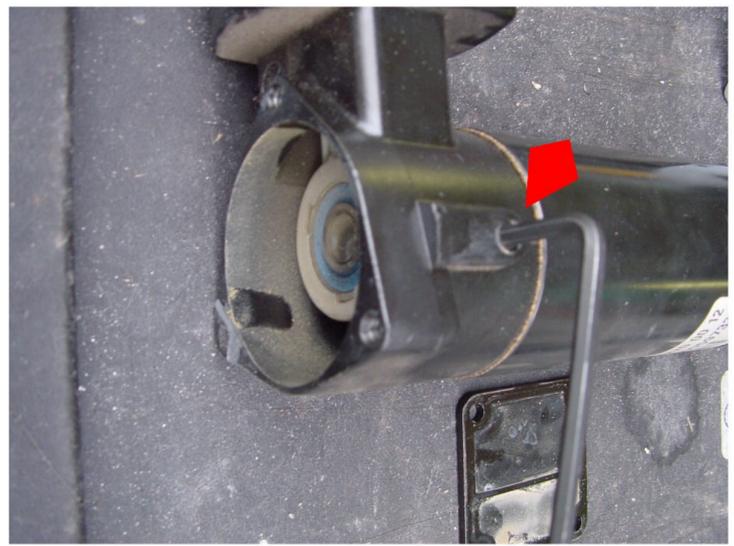
5. If not already done, take the metal cylinder from the piston



6. You now can see the Seal (probably worn out or damaged)



7. Unscrew the 3 nuts and take out the metal plate. Be careful w/the gasket. Gasket is going to be re-used.



8. Unscrew head screw (wrench #4)



9. Unscrew head screw from the piston (wrench #3 or #3.5)

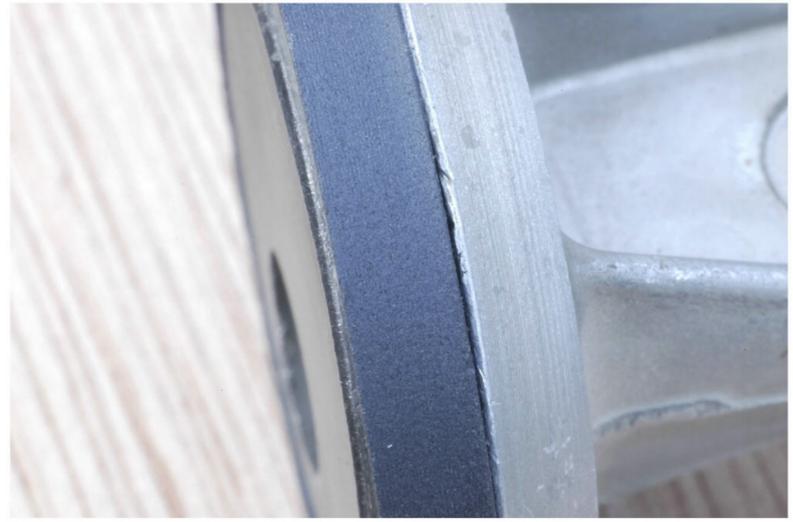
This head screw can be a 'hard one' to loosen.



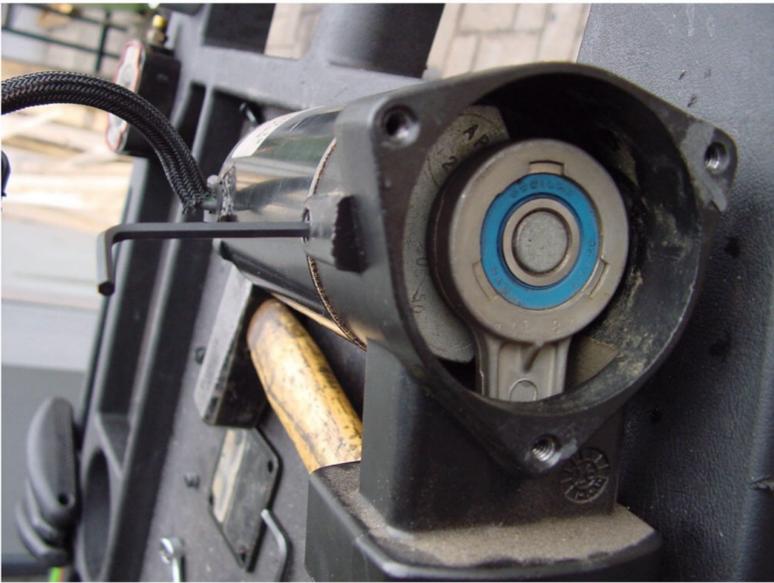
10. Take the piston out of the crankshaft. Use a screwdriver to loosen it, if applicable..



11. Now a little patience is needed. You have to cut (lever ?) the metal ring from the piston. A sharp, firm knife is probably best. Don't damage this metal pressure ring (too much), you'll have to re-use this.



- 12.** Clean the piston and the crankshaft (!!). Put the new seal in place. Take the metal pressure ring and install it firmly. You might want to use ratchet wrench #22 to install this ring tightly. Be careful that you do not damage the new seal.



- 13.** Put the piston back in the crankshaft and tighten the head screw. Don't forget to put the other head screw (#4) in place too.

- 14.** Clean the cylinder



- 15. Pay attention;** "tilt" the cylinder when you re-install it.

Otherwise you will damage the seal.