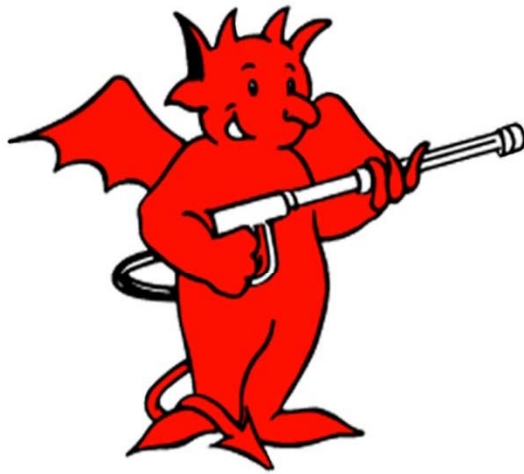


How to..... Change seals & Carriers



Tempest 1

This guide will show you how to change the pump seals and carriers on a Tempest.

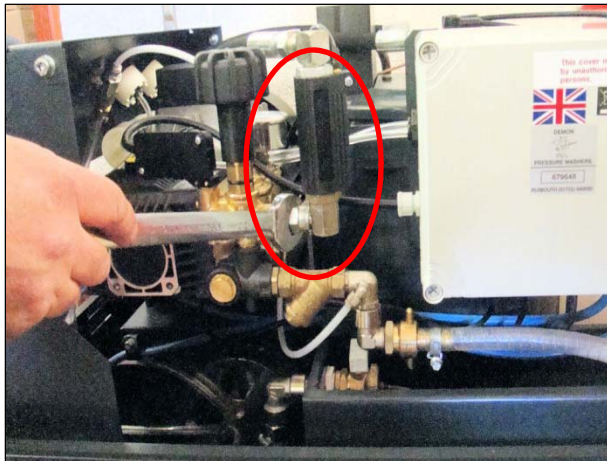
Recommended spare parts required :

Seal kit – ARKIT1874

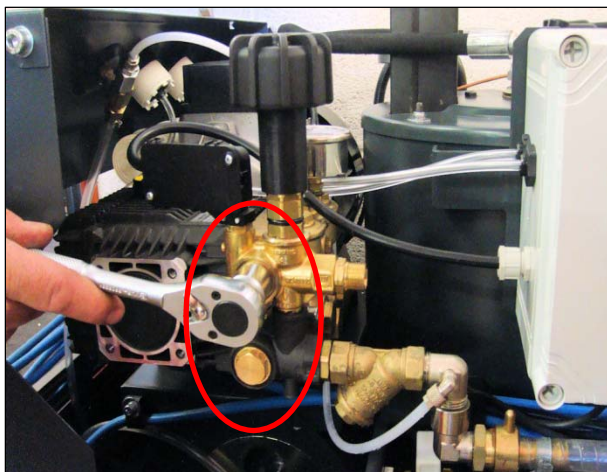
Piston guides – AR1320351

All spare parts can be ordered from Demon call 01752 690690

Ensure the machine is switched off and unplugged and that any pressure is released from the trigger.

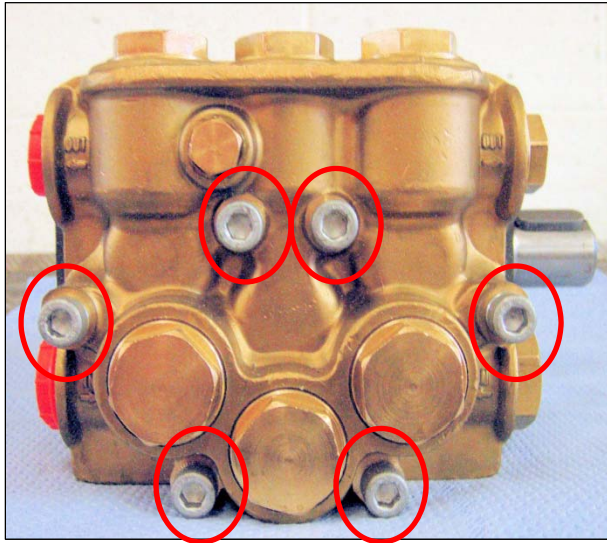


1. Undo the flow switch with a 22mm spanner and move aside.



2. Undo the bolts which hold the unloader valve on, using a 17mm socket for the top banjo bolt and a 19mm socket for the lower banjo bolt.

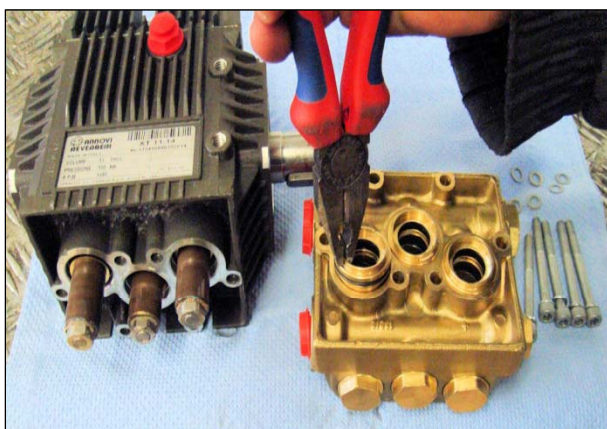
Place the unloader valve to one side ensuring that the O'rings are not misplaced.



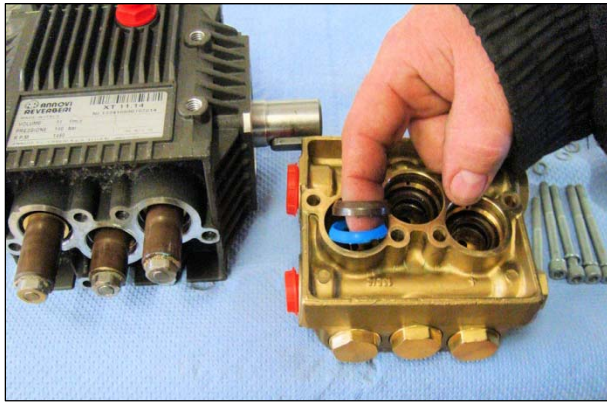
3. This then exposes the side of the pump. You will need to remove the 6 x M5 allen bolts using an allen key.



4. Once allen bolts are all removed separate the pump head from the pump ensuring not to damage the pump or head. Then gentle prise apart .



5. Remove the seal carriers from the pump head or from the pistons if they have got stuck on them.



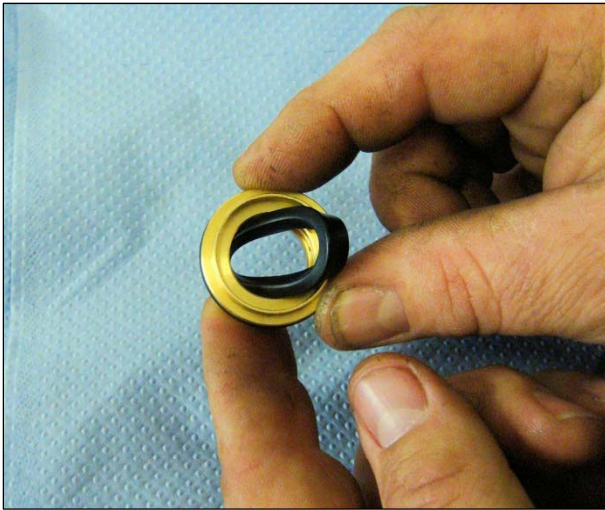
6. Remove the brown seal and blue back up ring from the head.



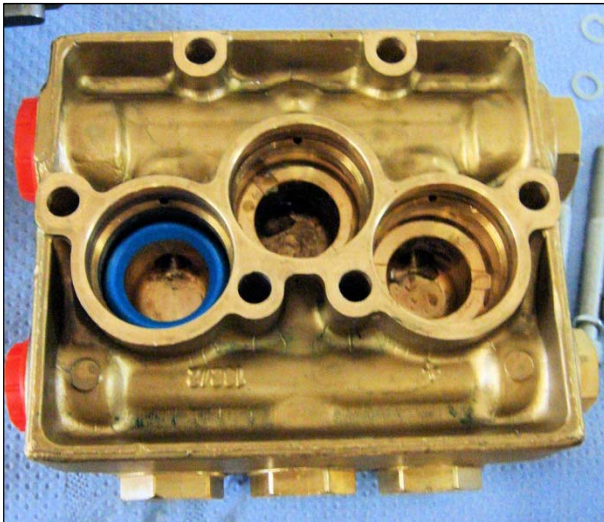
7. Take the seal kit (ARKIT1874) and the 3 x Piston Guides (AR1320351)



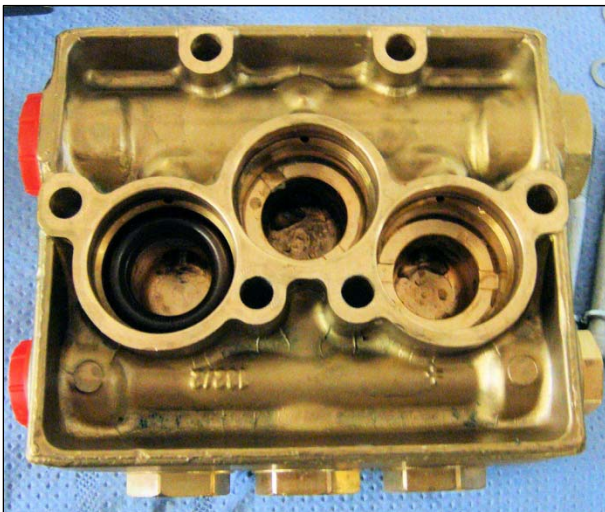
8. Take the piston guide and the black outer O’ring and place on the outside of the piston guide in the groove. Repeat for all 3 piston guides.



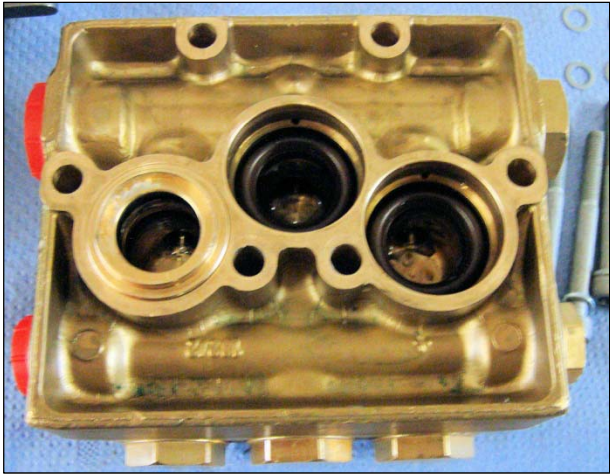
9. Take the inner plastic black seal and place inside the piston guide. Repeat for all 3 piston guides.



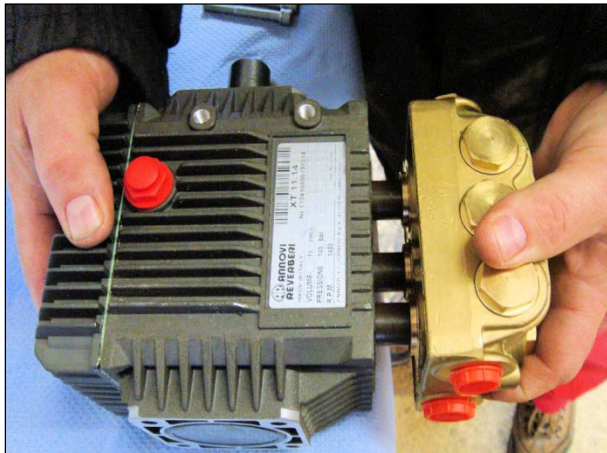
10. Take the blue back up ring and place inside the pump head. Repeat for all 3.



11. Take the brown seal and place on top of the blue back up ring, pushing it into place. Repeat for all 3.



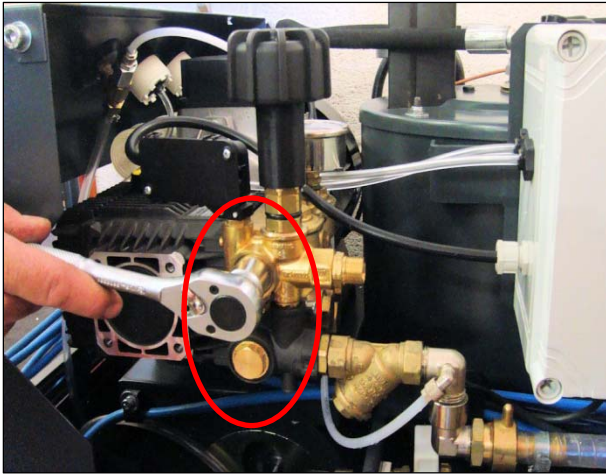
12. Take seal carrier with o-rings in place and apply a thin layer of silicon grease around the outer o-ring. Push into the head ensuring not to nick the o-ring. Repeat for all 3.



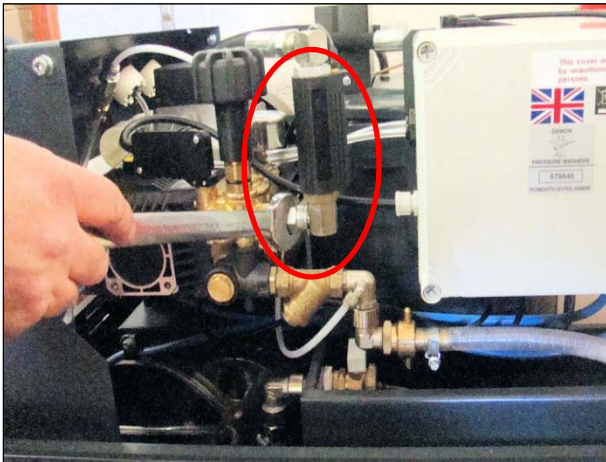
13. Push the head back onto the pump. If it appears to be tight, then gently tap with a hammer to ease onto the pistons.



14. Tighten the M5 allen bolts.



15. Rebuild unloader valve by placing on head ensuring the o-rings are in place in unloader valve. Do up bolts tightly on top and bottom.



16. Then place the flow switch back onto the unloader valve, tighten with a 22mm spanner.