



DISASSEMBLY-REASSEMBLY SEQUENCE

HEAD ASSEMBLIES, AIRSTROKE

IS 5868 A

1. Power down the system, switch appropriate electrical disconnects to their "OFF" position. Hydraulically isolate filter influent and effluent from water sources. Valve "OFF" pneumatic air supply to filter; unload pressure regulator to zero pressure.
2. Disconnect air line(s) from actuator mounting plate.
3. Remove nuts and lock-washers from actuator cap plate.
4. Compress the Air-Stroke™ actuator and remove the cotter pin from the actuator cap plate collar.
5. Unscrew the cap plate from the lift shaft.
6. Remove the bolts securing the actuator mounting plate to the filter head pad.
7. Carefully pry the actuator mounting plate loose from the head pad, taking care not to damage the sealing surface. The actuator and mounting plate may now be removed as a unit.
8. Remove the head pad O-ring.
9. Remove all head flange bolts, nuts and lock-washers. Mark head-to-body orientation.
10. Using a hoist (EC 225 – 500 S minimum rating 500 lbs., EC 700 – 2100 minimum rating 750 lbs.) lift the filter head vertically to clear the lift shaft, taking care not to damage the bronze gland on the lift shaft threads. Store head on wood blocks away from work area, using care not to scratch the machined under-surface of the sealing flange.
11. Remove the head-body O-ring and stainless steel clamping ring.
12. Clean the body flange with Scotch-Brite™ to bare metal and rinse with clean water.
13. Clean the underside of the actuator mounting plate, removing any remaining silicone rubber, again with Scotch-Brite™.
14. Remove the bronze gland from the head by gently tapping it out using a wooden mallet or block of wood with a hammer.
15. Remove the (3) O-rings from the gland using a suitable O-ring-removal tool or a paperclip.
16. Clean the gland using brake-parts cleaner or similar appropriate solvent, removing internal grease and any remaining silicone rubber from the flange underside.
17. Clean the head pad and gland counterbore with Scotch Brite™, removing any remaining silicone rubber.

18. Clean the underside of the head flange with Scotch Brite™ and rinse with clean water.
19. Replace the clamping ring on the body flange. Lubricate the head O-ring with Lubriplate or white lithium grease. Position the O-ring in the groove formed by the clamping ring and the filter body.
20. Reinstall the filter head on the filter body, being careful not to dislodge or pinch the head O-ring. Note head-to-body orientation.
21. Reinstall filter head flange hardware, cross-tighten as needed. Pack the gland bore with white lithium grease or Lubriplate, working it into the O-ring grooves.
22. Remove any trace of grease from the exterior of the gland.
23. Apply a 3/16" bead of Permatex blue gasket sealer (or equal) to the underside of the gland flange where it meets the outside diameter of the gland body.
24. Lubricate the lift shaft with Lubriplate or white lithium grease.
25. Slide the gland down the lift shaft and gently tap into the head pad counterbore.
26. Remove any silicone rubber that extrudes into the head pad O-ring groove. Install the head pad O-ring.
27. Apply a 1/8" bead of silicone gasket sealer to the outer horizontal surface edge of the gland flange.
28. Run a circular bead of silicone gasket sealer from the outside diameter of the gland and counterbore.
29. Reinstall the actuator mounting plate on the head.
30. Reverse steps 5 through 1.
31. Reassembly complete.