

Wilfley Centrifugal Pumps

Model AG

Frame 2, Metal



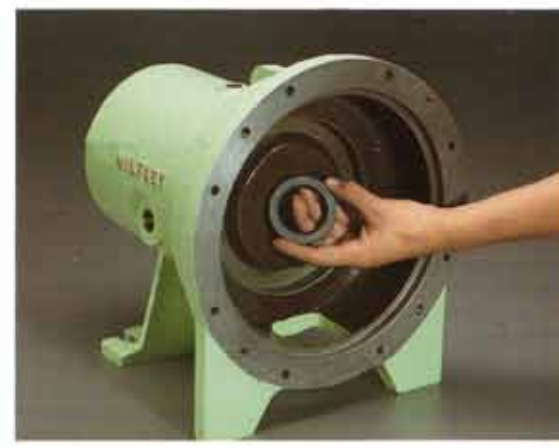
1. Clamp ring must be slipped onto shaft before installing the front bearing.



2. With the bearings installed, assemble the rear bearing housing. Be careful not to damage the bearing retainer housing oil seal (not shown).



3. Lubricate and install frame O-ring.



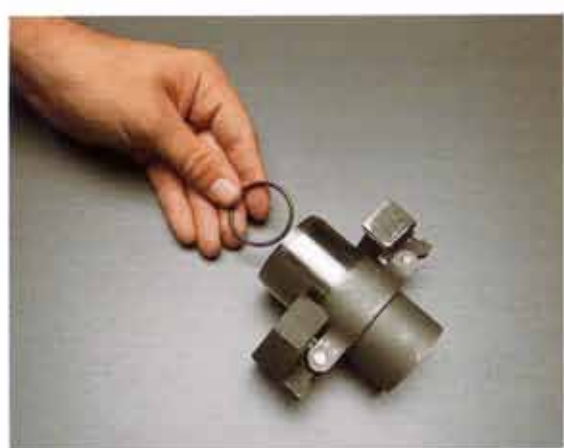
4. Install the front oil seal with the spring facing to the rear.



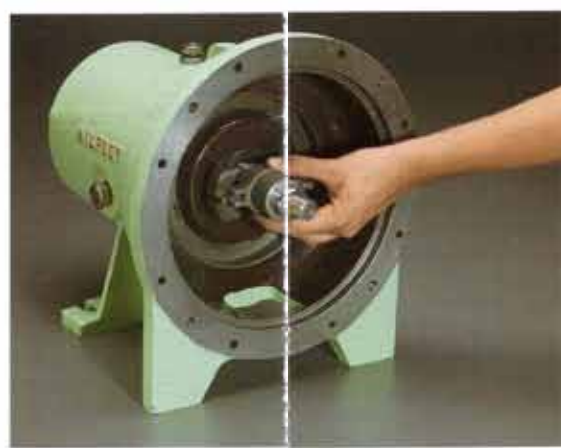
5. Carefully install shaft assembly into frame.



6. Install sight glass, fill plug and drain plug (not shown).



7. Attach governor weights to the governor sleeve and install O-ring. This photo shows proper positioning of the governor weights.



8. Slip the governor sleeve assembly over the shaft, making sure the O-ring is not damaged and that it is properly seated in the oil seal with ears and weights in a horizontal position.



9. Place the expeller (vanes up) into the cavity of the case plate.



9A. Install the rotary seal housing seal in the rotary seal housing.



10. Special care must be taken to ensure that the lips of the rotary seal housing seal are not damaged. Install so that the seal seats properly and is not distorted.



11. Install the rotary seal ring on the rotary seal housing.



12. Insert the rotary seal housing through the stationary seal housing and screw (clockwise) into the actuator body.



13. Place the governor spring inside the rotary seal housing. Be especially careful not to damage the rotary seal housing seal.



14. Place the case plate gasket in position on the case plate.



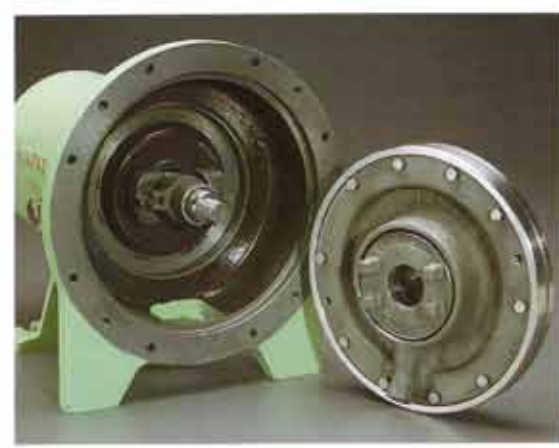
15. Insert the rotary seal housing and stationary seal ring assemblies into the case plate assembly.



16. Install and tighten stationary seal ring housing cap screws and push down on entire unit to test for the proper action.



17. Slide expeller O-ring onto the shaft and properly seat it against the governor sleeve assembly.



18. Position the actuator body slot so it will match up with the horizontal governor weights when assembled.



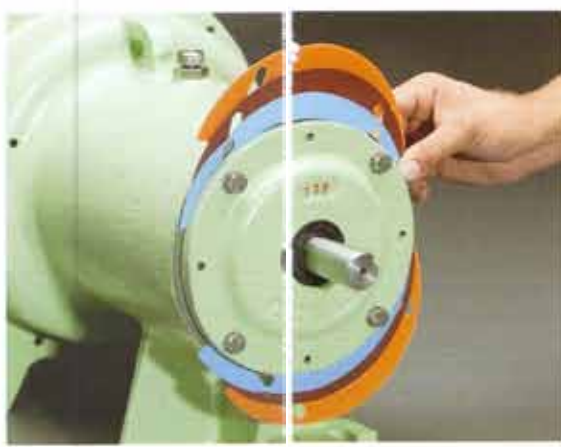
19. Slip the entire case plate assembly over the pump shaft and into the frame cavity and install expeller O-ring.



20. Screw the shaft clockwise into the threads of the impeller.



21. Check clearance between impeller and case plate.



22. Install proper shims to achieve proper impeller clearance.



23. Position case gasket on the case plate.



24. Carefully slide case onto frame and attach with appropriate screws.

WILFLEY

A. R. Wilfley & Sons, Inc.
P.O. Box 2330
Denver, Colorado 80201
303/779-1777

This pictorial guide is to be used only as a general reference in relation to the AG operating handbook. The photos in this guide relate to the latest developments in the frame 2, metal AG Pumps. Parts may not be exactly the same for pumps of other sizes, materials or for older

models. Please refer to exceptions as noted in the AG Operating Handbook. Before working on your pump, please read all instructions and warnings carefully, and observe all safety precautions.