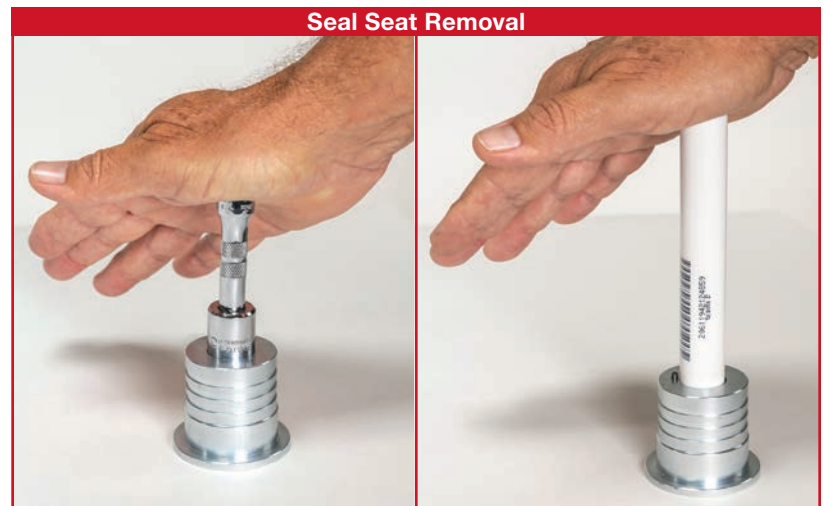
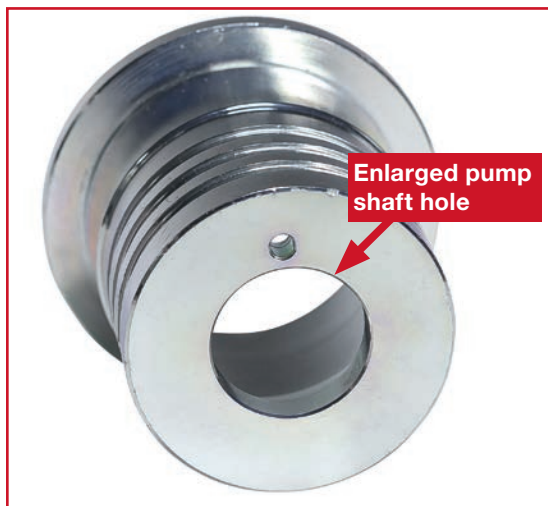


Improved Seal Housing Design for Turbine Pumps (All Models 10, 12, 13, 14, 16, 17, 18, and 19)

Corken has made the following design improvements to the seal housing. Effectively immediately the pump shaft hole on the back of the seal housing has been enlarged to 7/8" diameter and all turbine pumps built with Buna-N, Viton^{®1}, and Neoprene^{®1} O-rings are being shipped without a pin in the back of the seal housing.

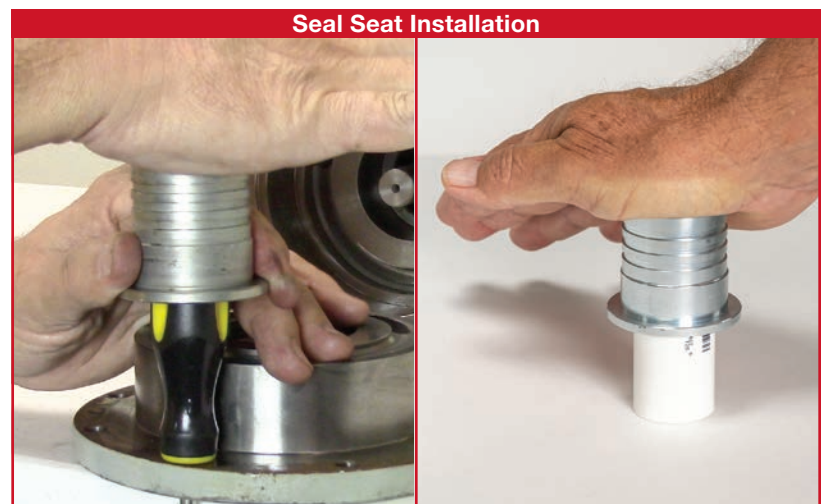
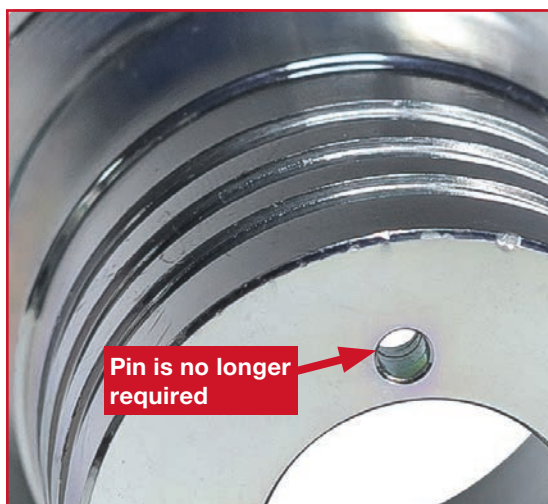
Change: The pump shaft hole on the back side of the seal housing has been enlarged.

Benefit: The old or new silicon carbide seal seat can be quickly removed from the seal housing with a 3/8" drive socket or a piece of 1/2" PVC piping without causing damage to the seal seat.



Change: A pin is no longer installed in the back side of the seal housing on pumps built with Buna-N, Viton^{®1}, and Neoprene^{®1} O-rings.

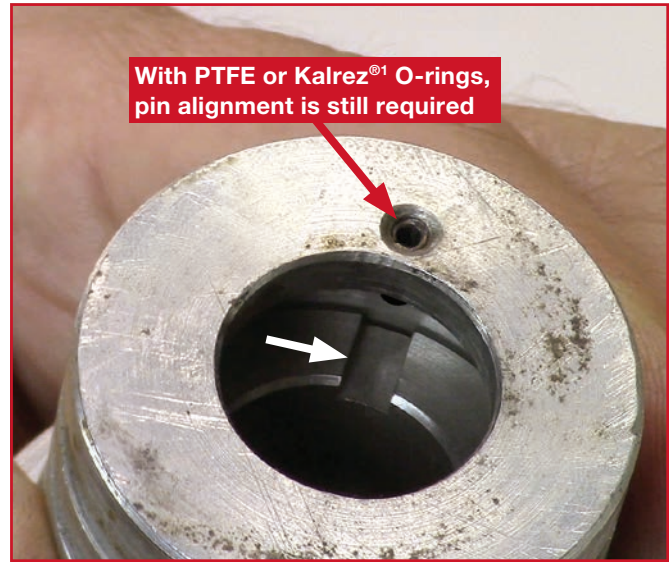
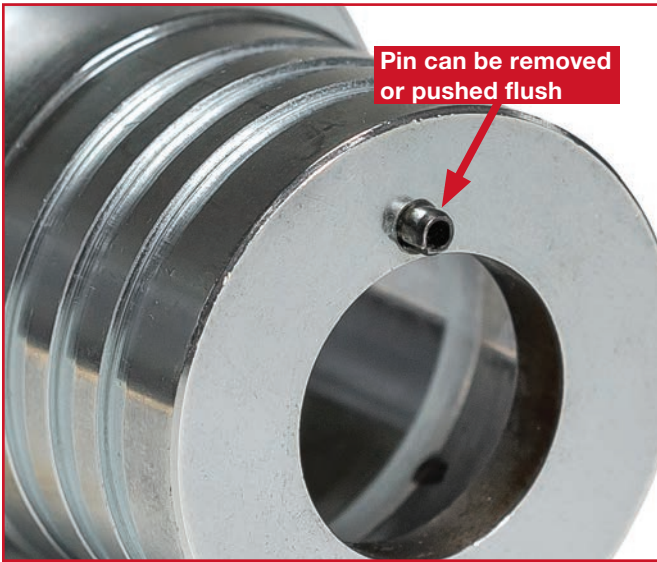
Benefit: When installing a new silicon carbide seal seat inside the seal housing, pin alignment is no longer required so installation is faster and damage to the seal seat is minimized when using a plastic handle screwdriver or 3/4" PVC collar.



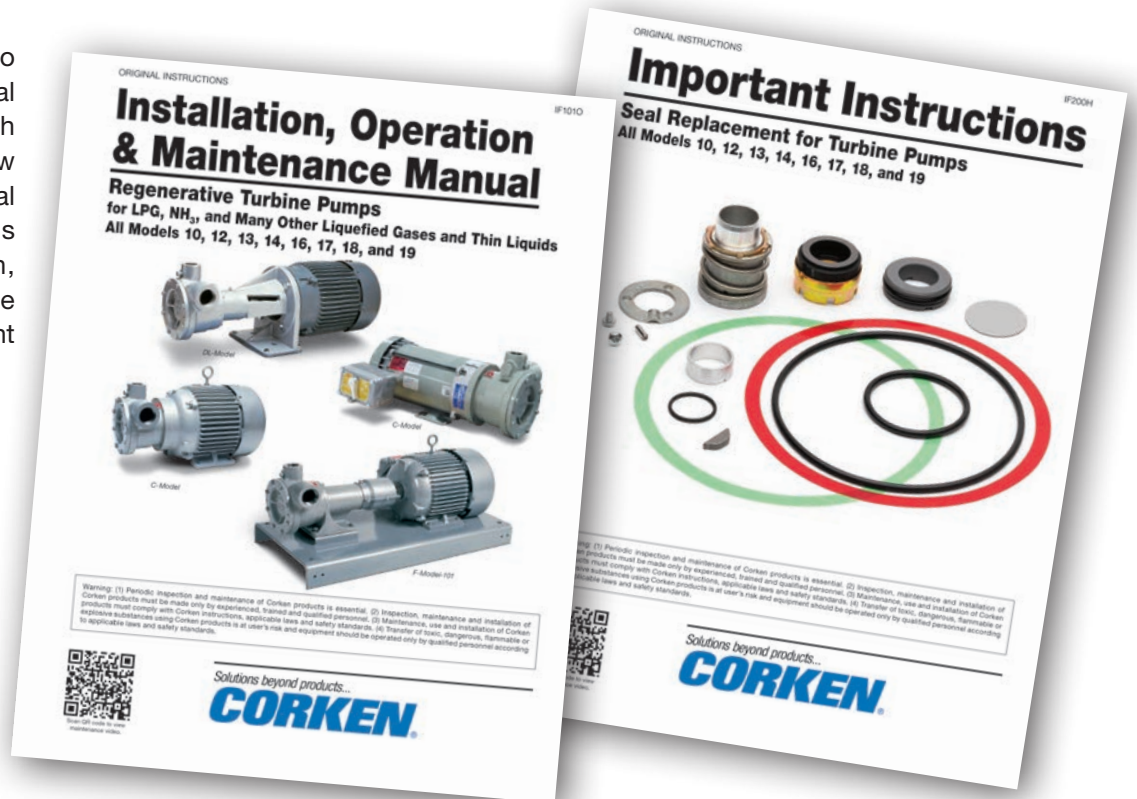
¹ Registered trademark of the DuPont company.

When it becomes necessary to replace the silicon carbide seal seat in turbine pumps built with Buna-N, Viton^{®1}, and Neoprene^{®1} O-rings prior to this design change, the pin can be removed or pushed in flush with the inside of the seal housing. When the pin is not used, it will extend out the back side as shown.

NOTE: All turbine pumps built with PTFE or Kalrez^{®1} O-rings still use a pin in the back of the seal housing so pin alignment is required. With these O-rings materials, tests have shown the seal seat can rotate if the pin is not used causing premature wear to the seal housing.



For more details on how to install a silicon carbide seal seat into a seal housing with or without a pin, review steps 19 and 26 in the seal replacement instructions listed in the Installation, Operation, & Maintenance Manual (IF101) or Important Instructions (IF200).



¹ Registered trademark of the DuPont company.



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