

RheBuild® Kit Instructions



Liquid End Replacement Components

For TitanHP™, MXP, and Mighty Valves



Genuine Rheodyne® Parts



2321295F
4/09

Instructions

Refer to Figures 1 & 2 for part locations.

1. For TitanHP™/MXP models only, using permanent marker, make a reference mark on the pressure adjusting nut and valve body to identify factory set location.
2. With the hex key provided, remove the stator screws located in the stator by loosening 1/4 turn at a time in a sequential fashion (for 3 stator screws) or in a diagonal fashion (for 4 or 5 stator screws).
3. Remove the stator from the valve body.
4. Remove the rotor seal, slipping a flathead screwdriver underneath the rotor seal may be helpful in loosening it.
5. Mount the new rotor seal with the grooves facing the stator. The three pins on the shaft assembly will fit into the mating holes in the rotor seal (See Figure 3).
6. If there is no stator face seal, clean the stator sealing surface by rubbing approximately 20x with

isopropyl alcohol on a soft cloth.

7. If present, remove the stator face seal from the stator and replace with new stator face seal so the pins in the seal fit into the stator mating holes.
8. Mount the stator (and stator face seal if present) on the valve so that the stator locating pins in the body enter the mating holes in the stator.
9. Make sure the mark on the pressure adjusting nut and valve body line up on TitanHP/ MXP models.
10. Replace the stator screws. Tighten each stator screw 1/4 turn at a time to keep the stator surface parallel to the valve body. For valves that require 3 stator screws, tighten screws sequentially. For valves with 4 or 5 stator screws, tighten screws in a diagonal fashion. For a listing of stator screw torques see www.idex-hs.com/products/rhebuildkit

Note: Figures are a representation of parts, actual parts may look different.

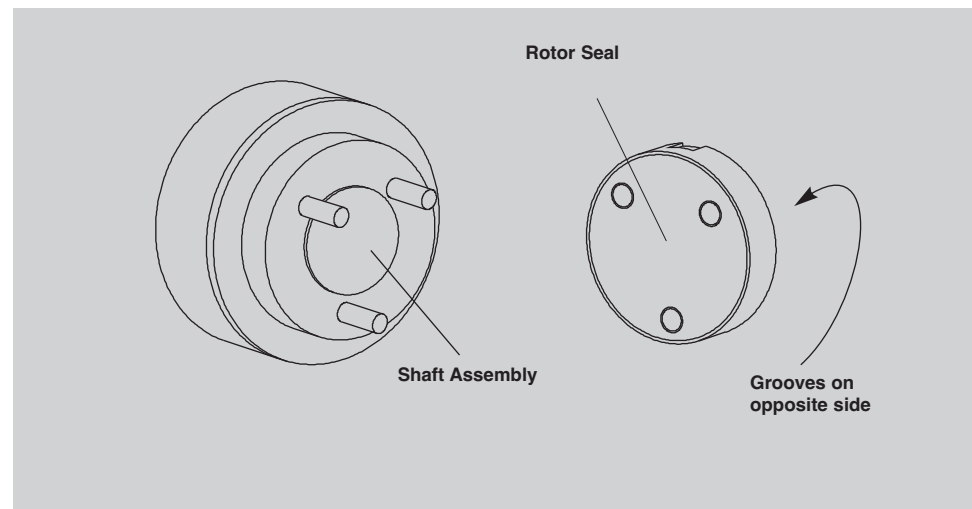


Fig. 3: Correct rotor seal orientation.

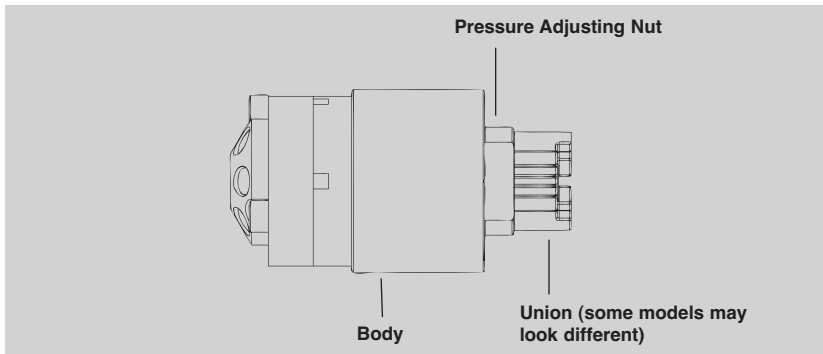


Fig. 1: Pressure Adjusting Nut location for TitanHP™ and MXP valves only.

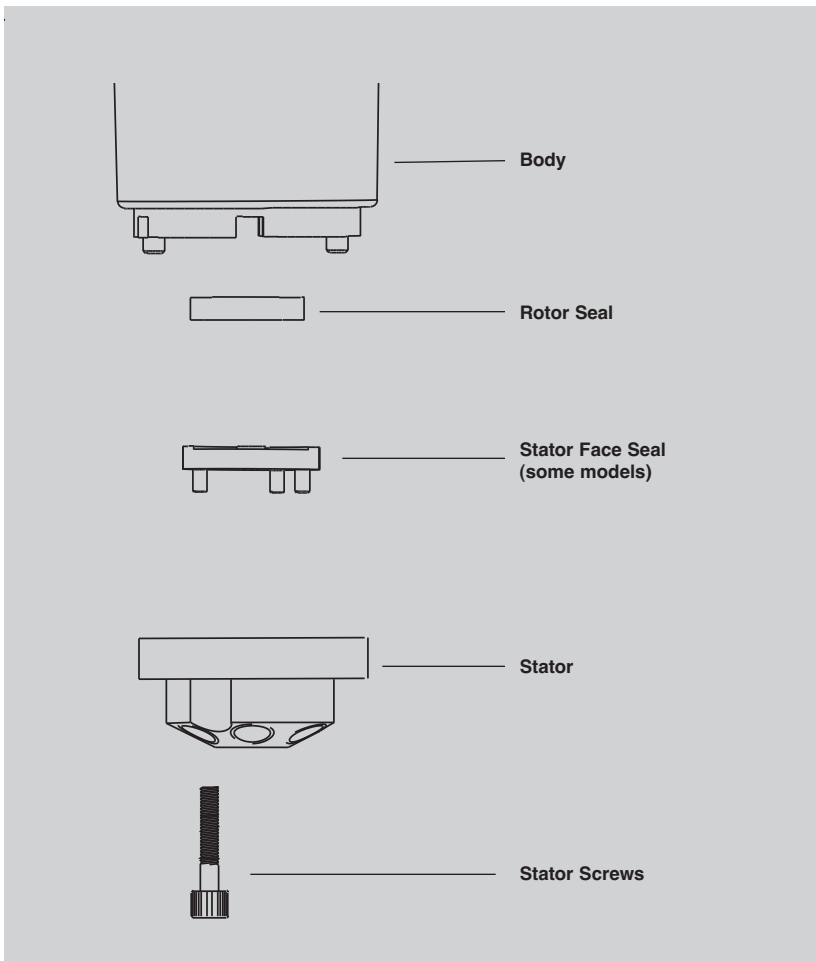


Fig. 2: Exploded view of motorized valve.