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## Series GHP High Performance Butterfly Valve Seat Replacement Instructions

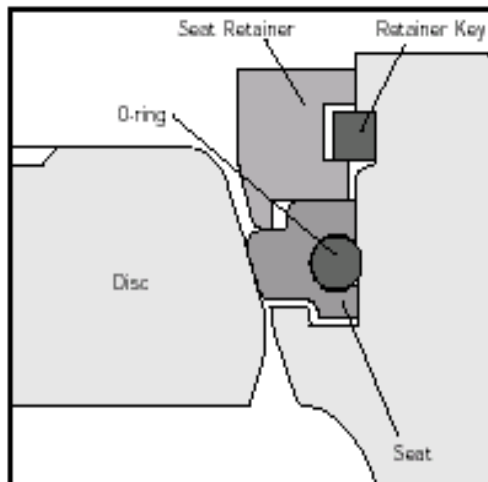
### Seat Removal

- 1 Refer to illustration below.
- 2 Swing the disc past full open until it is 180 degrees from the closed position.
- 3 Rotate the seat retainer ring until the free end of the retainer key is in the seat retainer ring window.
- 4 Use a screwdriver to pry up the free end of the retainer key from the groove, through the installation window in the seat retainer.
- 5 Using a spanner type tool or punch and hammer, rotate the seat retainer 360 degrees (away from the hooked end of the retainer key) until the retainer key is fully disengaged.
- 6 Remove the seat retainer from the body.
- 7 Remove the seat from the body.
- 8 Inspect the valve body and retaining ring for any excessive wear or damage prior to replacing the seat.

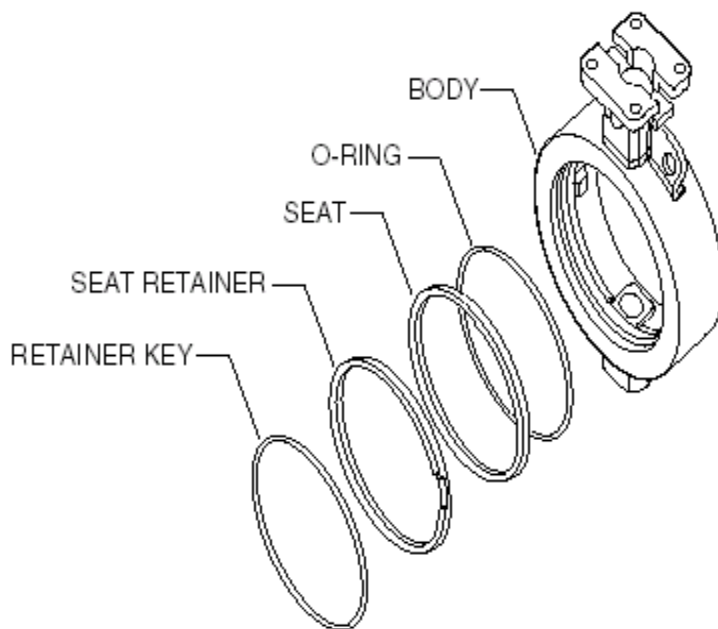
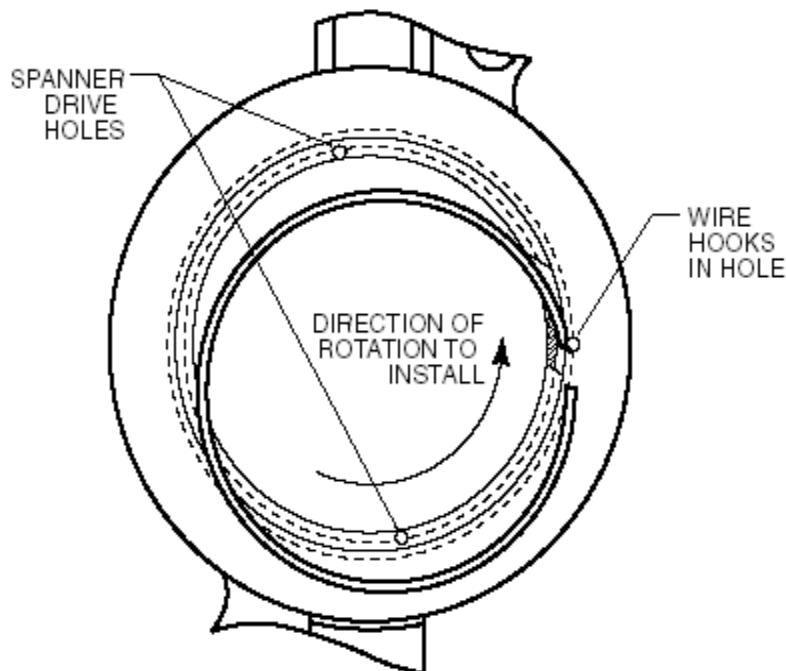


### Seat Installation

- 1 If required, assemble the O-ring to the seat OD. Apply a light film of a service compatible lubricant to the seat back up O-ring and install in the groove on the OD of the seat.



Note: Seat retainer will not align with retainer key slot in the body if the seat is upside down



- 2 Insert the seat into the valve body, thin ridge side first as shown.
- 3 Place the seat retainer into the body, lip side down first.
- 4 Align the installation window in the retainer with the small hole drilled in the body.
- 5 Insert the hooked end of the retainer key through the installation window in the retainer and into the drilled hole in the body.
- 6 Rotate the retainer (as illustrated) by hand until the groove in the OD of the retainer captures the retainer key as shown.
- 7 Using the spanner tool or punch and hammer, rotate the retainer 360 degrees (as illustrated) until the retainer key is fully captured

Note: Make sure that the retainer key does not gouge or slice the seat. The hooked end of the retainer key should remain visible in the installation window. The seat and retainer are now installed.

- 8 Rotate the disc 180 degrees to the fully closed position.



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