

Installation Instructions

Part #01908 D Chamber



These instructions cover the process of installing a D size chamber into the lower housing of an S D water powered Ratio:Feeder Injector.

Make sure the unit is not pressurized while maintenance is taking place.

The unit may be left in the water line but it is recommended to be removed to ensure all steps can be completed and the unit is generally easier to access when not installed in a water line.



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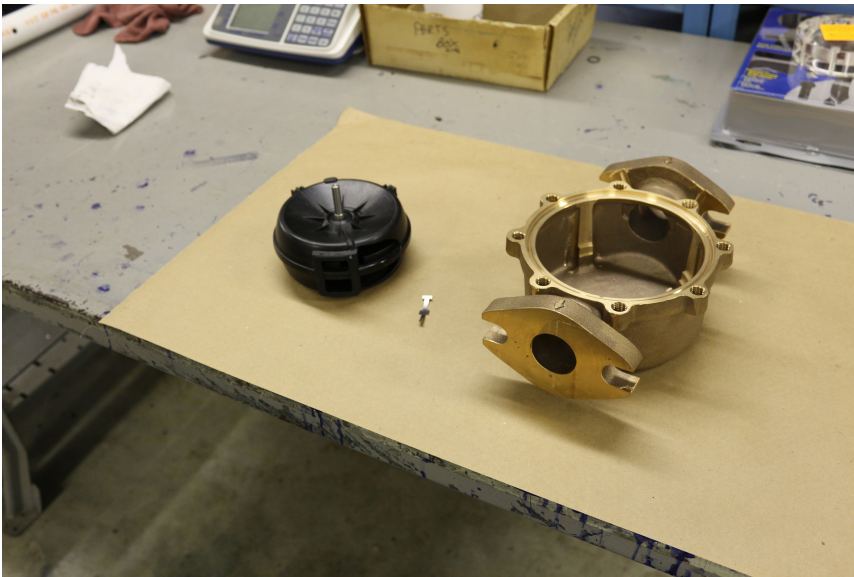


Fig. 1

- 1) Remove the S Unit main case from the lower housing by unscrewing the 8 brass bolts which hold the main case to the lower housing. Make sure to note the orientation between the main case and the lower housing so it can be reinstalled in the same position.
- 2) Remove the rubber gasket that seals the lower housing to the main case. The lower housing should look similar to fig. 1.

- 3) Partially insert the chamber into the S unit lower housing as shown in fig. 2. Make sure the alignment pin in the chamber lines up with the notch on the outlet side of the S unit lower housing as shown below.



Fig. 2

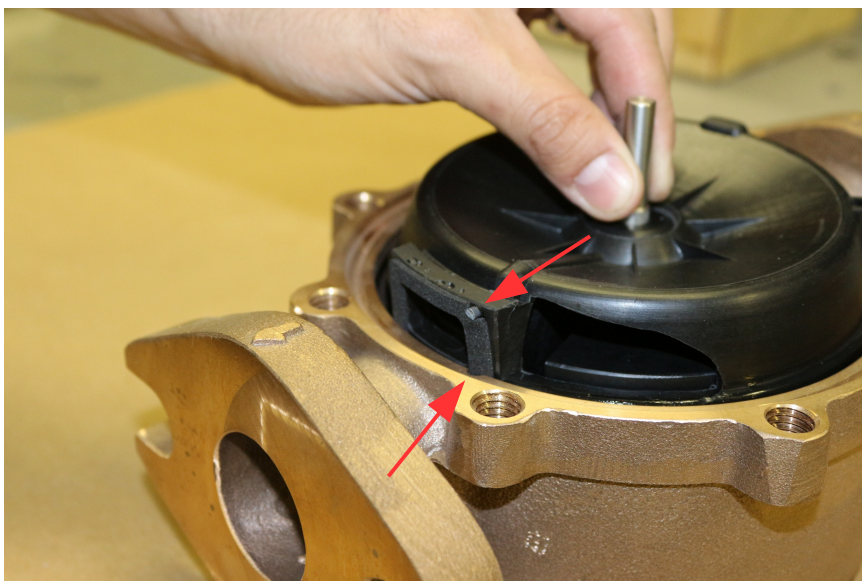


Fig. 3



Fig. 4

- 4) Push the chamber down into the lower housing but be careful not to damage the foam gasket around the chamber's outlet. It may be necessary to work the edge of the gasket past the bottom edge of the main case port to keep the gasket in the proper location as shown in fig. 4.

- 5) Once the chamber has been fully inserted into the lower housing, insert the spring between the chamber and the housing with the concave side facing the chamber and the 'T' end toward the top of the lower housing. Make sure the spring is properly situated on the first protrusion clockwise from the S unit lower housing inlet. The proper location is shown in fig. 6.

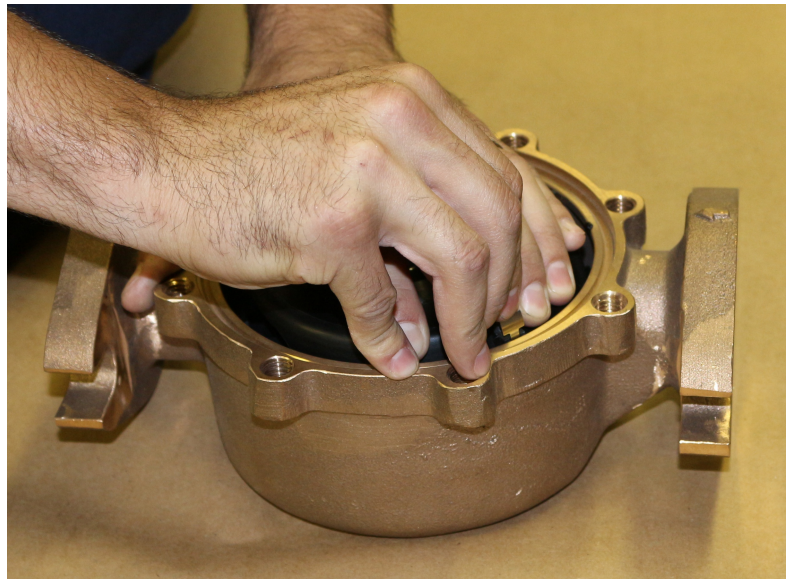


Fig. 5



Fig. 6

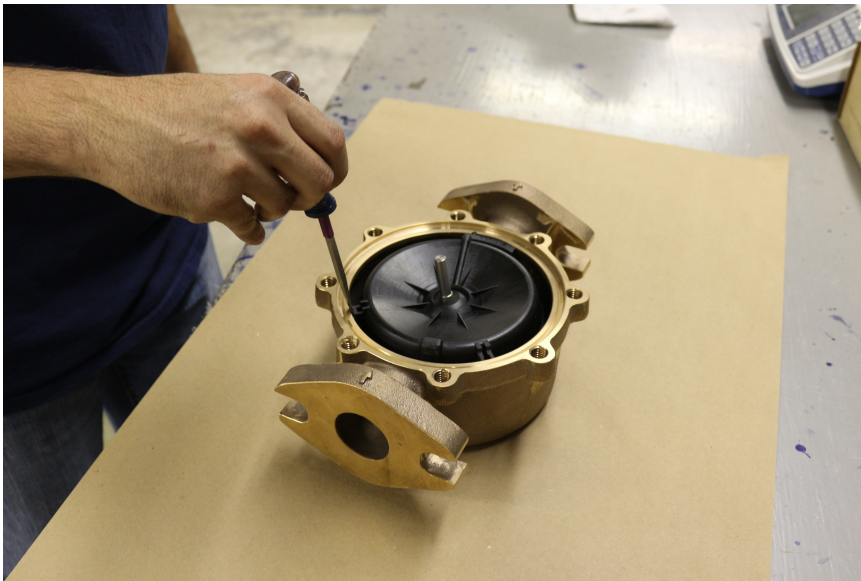


Fig. 7

- 6) The spring will need to be fully inserted between the chamber and the housing. A flat bladed screw driver is helpful for this. Use the screwdriver to push the spring down until it does not move any further. There will be a notch that the top two ears will rest on when the spring is fully inserted. The final placement of the spring is shown in fig. 8.



Fig. 8

- 7) Next, place the rubber gasket back on top of the lower housing.
- 8) Reinstall the main case in the same position noted in step 1.