

Tools Required:

1. Philips #1 Screwdriver
2. Isopropyl Alcohol (if available)
3. Lint free, clean cloth

Kit Contents:

1. Cover Screws (x2)
2. Sensor Cover (x1)
3. Cleaning Beads (x2 packs of 15 ea.)
4. Impeller (x1)
5. Wear Ring (x1)

Assembly Overview:

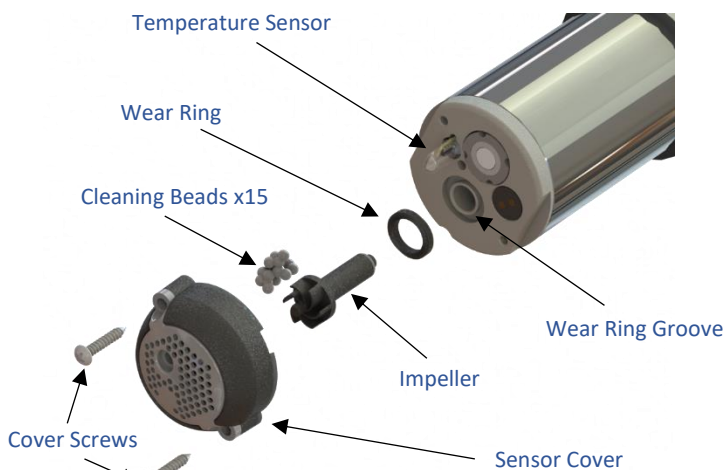


Figure 1: Exploded assembly - bottom view.

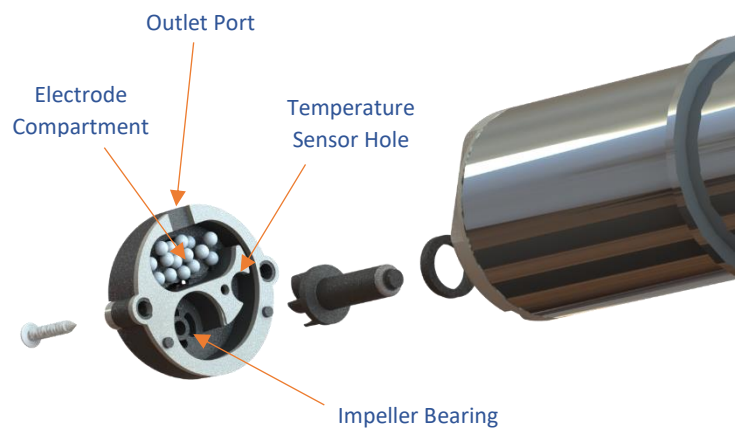


Figure 2: Exploded assembly - correct cleaning bead location.

To remove wear parts: Remove 2x cover screws from the sensor cover. Maintain pressure on the sensor cover and rotate the sensor vertically. Remove the sensor cover and screws from the sensor end while keeping the sensor vertical. Remove the impeller from the impeller well. Impellers are magnetically coupled and should be removed easily. Remove the wear ring. All removed parts can be discarded. If fouling is present, it is permissible to clean the sensor end with Isopropyl Alcohol and lint-free cloth. Take care not to scratch the electrode surface.

To install new wear parts: Remove parts from the replacement wear kit. Install new wear ring into wear ring groove. Install new impeller into impeller well. Place 15 cleaning beads into the sensor end cover (Figure 2). Beads must only be present in the electrode compartment. Align temperature sensor and impeller with respective holes in sensor cover. Lower sensor into sensor cover. Twist the cover gently until the sensor cover guide pins drop into the sensor end. Holding the sensor cover in place, insert, and tighten 2x cover screws until there is no gap between the sensor cover gasket and the sensor end. To prevent motor binding, do not over-tighten.

To function test sensor: Power on the sensor and verify that the impeller spins freely. If the impeller does not spin freely, loosen the cover screws ¼ turn at a time until the impeller can be heard spinning. The sensor can also be run in a bucket with water to verify the water stream from the outlet port.