

THE ULTIMATE WEAR RING

Installation and Care Instructions

Information - Engineered and patented by Hi Tech Performance Inc., The Ultimate Wear Ring (UWR) can be found in lake and race boats all over the world. The UWR is also known to be part of many record setting passes exceeding 150 mph. The Ultimate Wear Ring (UWR) is made of a special poly. material that has a very low coefficient of friction to water making it superior to metal wear rings. The UWR is a press fit component meaning that all measurements must be taken with the ring pressed into the suction housing. A standard size wear ring will measure approx. 7.335 I.D." or bigger pre installation but measures 7.250 I.D." after installation. The UWR fits all makes of Berkeley, Aggressor, and all later Dominator (Ser. #14444) and all makes of impellers. The UWR is available in the following under sizes (STD, .010, .020, .030, .040, .050, .060).

Quality Assurance and Controls - All of our wear rings are inspected through use of a series of hard tooling before shipment to our customers. All UWR tools contain a sizing stamp that imbeds on the inside of the smallest O.D of the rings. (ex. 000 is std. size)

Installation - The UWR is easy to install and will last a long time with proper care. Below are some installation tips.

1. Assure the suction housing bore is clean and that all burrs or gouges have been smoothed. The UWR uses no liners or adhesives so just start the ring at the bottom and press it around with your thumbs to start it in the housing. Move on to the top. If you cannot press it on in by hand, tap it in with a phenolic or rubber hammer.
2. Be sure to tap it all the way around so that it is seated tightly against the pump suction housing.
3. Installation of the impeller shims will be necessary to obtain the proper impeller to wear ring lip clearance. Shims are not included with the UWR.
4. Once the proper amount of shim has been determined to obtain the proper clearance, Remove the impeller and apply grease on the wear ring surface of the impeller and the inside of the wear ring itself. Reinstall the impeller and complete the assy. of the pump.
5. Do no start the engine until the pump is submerged in the water.



Care – The UWR was designed for use in clean water. The UWR will not hold up well in environments that introduce large debris or rocks. We recommend not running the pump dry for any period as this can overheat and damage the wear ring and void any warranty.

