

QP IMPELLER REMOVAL TIPS

Here are a few tips to ease impeller removal.

There are two types of impellers, threaded and keyed types. All threaded on type impellers are right hand thread and are removed by turning the impeller in a counter clockwise direction.



WARNING: This unit has several sharp edges! Safety precautions should be followed at all times when servicing this equipment. Consult operations manual for more safety information.



Instructions for threaded type impellers

1. Remove the casing cover to expose the impeller.
2. Rotate the engine by hand until the engine is in its compression stroke, this is done to keep the engine shaft from turning while trying to remove the impeller.
3. Take a soft blow mallet with a block of wood and strike the end of an impeller vane in a counter clockwise direction.
4. If impeller won't budge, take a punch and strike the area of the impeller that surrounds the engine shaft. If needed use heat around the same area. If this doesn't help, let cool down and soak with penetrating oil over night and repeat step # 3.
5. When re-installing the impeller, use a conservative amount of anti seize compound.

Instructions for keyed impellers

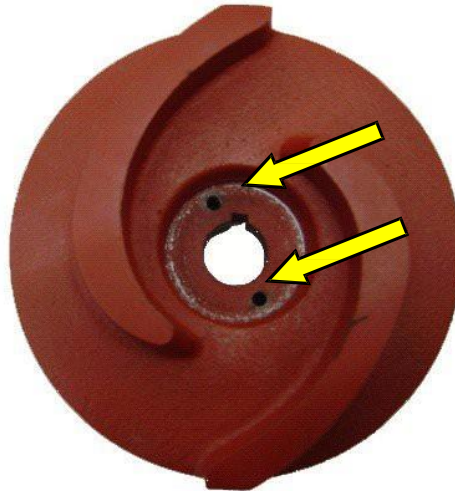
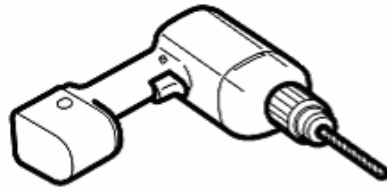
1. **Method 1**, Remove the retaining bolt at the center of the impeller and try pulling the impeller off by hand, if not budging, use two small pry bars and insert them into the two slots on the sides of the impeller.
2. **Method 2**, Apply some heat and use a puller. The puller may need to be modified so that the jaws may be inserted in between the impeller slots and the pump casing.
3. **Method 3**, Reference following page.



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METHOD 3

1. Drill and tap two 1/4" holes.
2. Install a common puller.
3. Tighten center bolt on puller to remove.



Drill & Tap Two 1/4" holes

