

The jaws of an MMI Impeller Puller are designed to spring-load inward toward the impeller hub. Pulling on the housing itself, or tightening the knurled knob, creates a camming action causing the jaws to grip the impeller even more tightly. In fact, **the harder you pull, the tighter the jaws become.**

The following steps are designed to allow removal of an impeller while the pump is installed on the engine. With a little practice, an MMI Impeller Puller can be used with one hand in cases of very limited access.

**Step 1:** Remove back plate from the pump.

**Step 2:** Compress the back of the tool to spread the jaws while turning the knurled knob until the end of the threaded shaft is even with the leading edge of the pivoting yoke, as shown in top figure.

**Step 3:** While compressing the back of the tool to spread the jaws, slip the jaws of the puller over the hub of the impeller. The design of the pump is such that space will usually be available between the blades on two opposing sides of the impeller close to the 3:00 and 9:00 positions.

**Step 4:** Tighten the knurled knob until the end of the threaded shaft presses against the end of the shaft of the pump, continue turning the knurled knob, as the impeller is pulled from the impeller chamber. When the knurled knob bottoms out, pull the impeller out the rest of the way.

**NOTE:** Oberdorfer pumps will have a small snap ring on the end of the shaft which precludes using the knurled knob to remove the impeller as in Step 4. On these pumps, turn the knurled knob a few turns to compress the jaws, then pull firmly on the knurled knob itself to remove the impeller with the shaft still attached.

**Step 5:** Loosen the knurled knob, then compress the jaws at the back end of the puller to free the impeller from the puller. You can see a video demonstration on the Impeller Puller shopping cart page, at [moyermarine.com](http://moyermarine.com).

