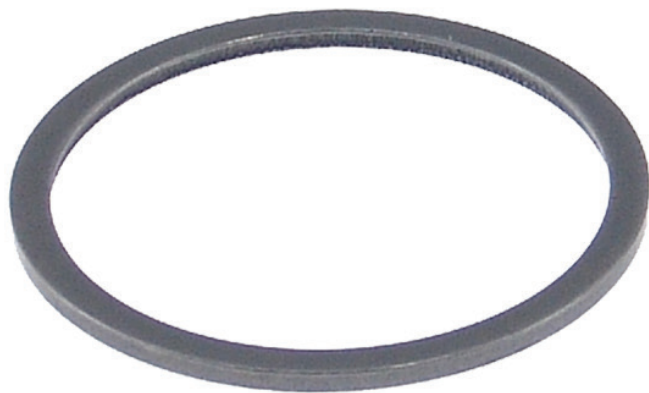


Unbreakable High Performance Pump Rings

555-60962

700R4, 2004R, & 4L60E

For Engines that Rev Over 5,500 RPM



Introduction

We would like to take this opportunity to thank you for purchasing this JEGS 700R4, 2004R, & 4L60E High Performance Pump Ring Kit. We welcome any comments or feedback you might have. If you have any questions about this product or about the installation procedure, please feel free to contact us at 1.800.345.4545.

The rings included in this kit are made from hardened steel, eliminating issues of brittleness found with cast iron or compressed metal options. To increase pump efficiency and create higher pressure at hot idle the rings are stiffer and slightly larger than stock.

The included priming spring addresses the high rev pressure drop that occurs when revving above 5,500 rpm. Complaint of pressure regulator buzz or moan, especially when hot, is greatly reduced.

NOTE

**INSTALLATION OF THIS KIT
REQUIRES REMOVAL OF THE
TRANSMISSION**

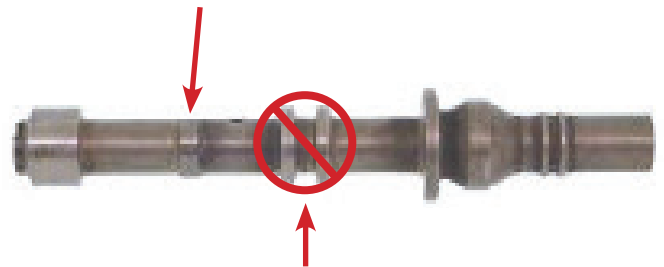
Installation (Spring)

1. Place the spring in the vise and squeeze it to coil bind. This will pre-set the spring so that it will not get weaker during usage.
2. Open the vise until the length of the spring is about $1 \frac{7}{16}$ in. and tap it over to the side of the vise jaws until about $\frac{3}{16}$ in. is sticking out.
3. With the slide installed in the pump, place the spring pocket over the spring and against the vise. While holding the pump firmly against the vise, whack the spring into the pump with a hammer handle.

Pressure Regulator Valve

Optional valve changes for smoother regulation & longer converter life.

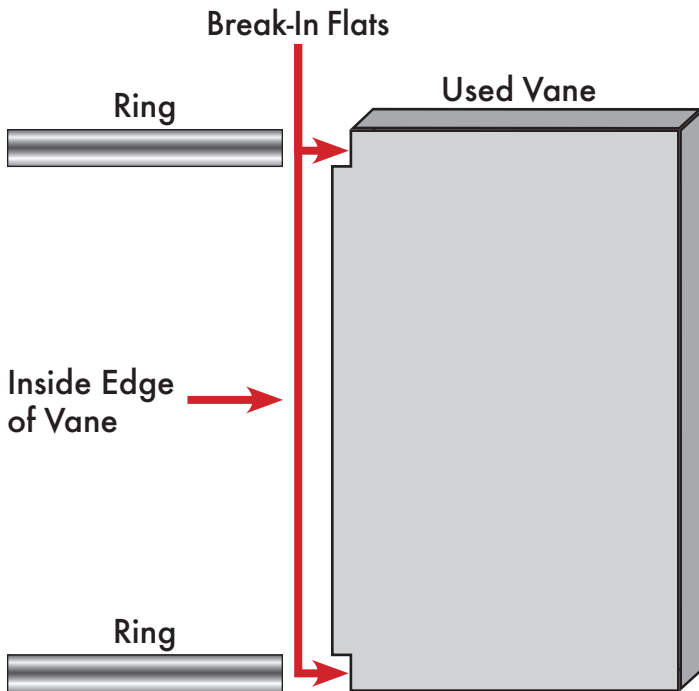
- Grind the #2 land flush with spool ALL THE WAY AROUND.



Do not grind any other lands.

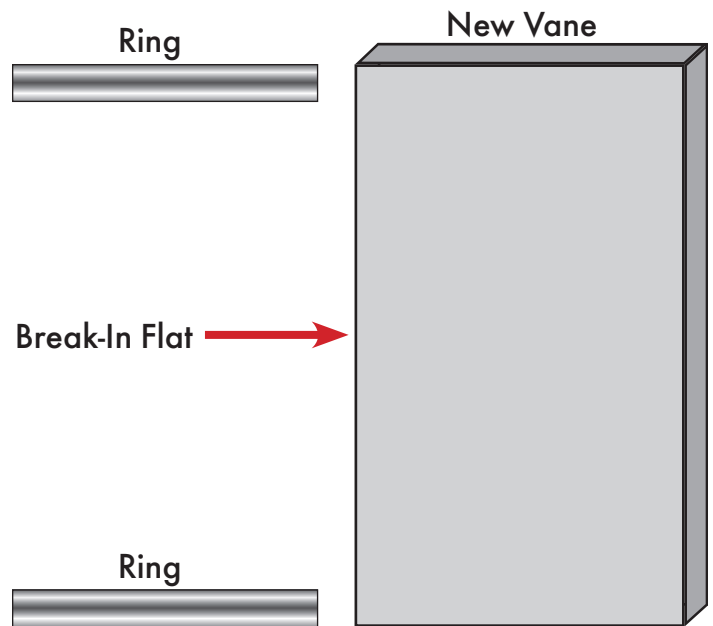
Installation (Used Pump or Vanes)

With used vanes you will notice two break-in flats on the inside edge of the vanes where the rings ride. When assembling the pump be sure to install the vanes with the break-in flats against the new rings. If you don't the rotor may not turn freely.



Installation (New Pump or Vanes)

Install the rings furnished. If rotor does not turn freely remove vanes one at a time and run the inside edge about 5 times back and forth on emery cloth, or a flat hone to make break-in flat. Install the break-in flat against the rings.



HOW TO SAND THE VANES

Hold vane straight up and down, slide back and forth over sandpaper or hone.

