

700 PKH

NoYoYo[®] High REV Pump Kit 700R4, 2004R & 4L60E



With **UNBREAKABLE HARDENED STEEL RINGS** This Kit is for engines that rev over 5500 RPM

A less expensive kit is available for engines that rev less than 5500 RPM. We know the sick feeling in your gut and the pain in the brain when a job comes back with broken rings. Most of the time it takes the trans and the converter along with the pump, AND the customer is positive it's all your fault.

Rings in this kit are **not** cast iron or compressed metal. They're **not brittle**. They are tough **HARDENED** steel. Because they are slightly larger and **STIFFER**, pump efficiency is increased. You will notice higher pressure at **HOT** idle.

The kit also includes a priming spring that corrects the high rev drop that occurs above 5500 RPM. You may have noticed that max throttle up-shifts on high revving models gets soft. This kit corrects high rev pressure drop.

Complaint of pressure regulator buzz or moan, especially hot, is greatly reduced. This kit plus the parts and tech in the System Correction and Calibration Kit (SK 700[©]), will correct PR valve and pump noise nearly every time. The spring rate along with the SK 700[©] changes, intentionally puts the slide bounce out of sync with the PR quiver.

Installing Spring

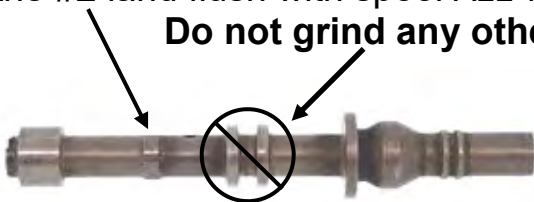
1. Place the spring in the vise and squeeze it to coil bind. This will pre-set it so that it will not get weaker during usage.
2. Then open the vise until the length of the spring is about 1 7/16" and tap it over to the side of the vise jaws until about 3/16" is sticking out.
3. With the slide installed 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. Perfectly flush is not fussy.

Do not grind any other lands!



Have a nice day!



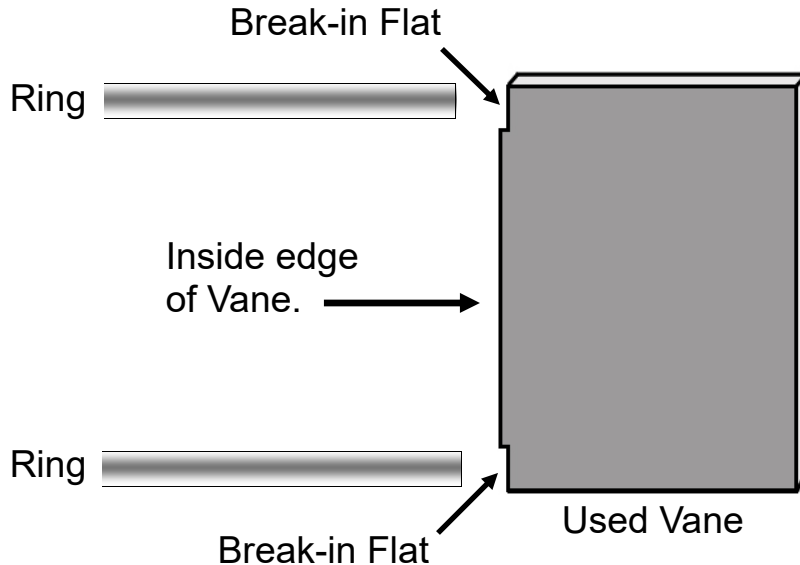
IS-700-PKH

© Gil Younger 1990

(OVER)

INSTALLATION WITH USED PUMP OR USED VANES

With used vanes you will notice two breaks 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 WITH NEW VANES, NEW PUMP or NEW ROTOR KIT.

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 to make break-in flat. Install the break-in flat against the rings. No emery? About a dozen back and forths on a cement floor also does a nice job.

