**915 MAINTENANCE**

The only basic maintenance for the 915 is keeping the inside clean. Problems will occur if oil or moisture get into the handpiece, especially on the piston. If you notice a loss of power or erratic performance, the first thing to check is that the receiver (chuck) is tight in the handpiece body. With a graver inserted in the QC Holder, use a crescent wrench or pliers to gently tighten the receiver clockwise (FIG. 3). If the problem continues, disassemble and clean handpiece.

**DISASSEMBLY:** Use the crescent wrench or pliers to grip the graver (FIG. 3) and turn it counterclockwise to loosen the receiver (chuck). Turn the chuck retainer with your fingers (FIG. 4). As you pull out the chuck, there will be a piston and spring that follow. Loosen the locking ring and remove it (FIG. 5). Grip the knob and turn the handpiece body counter-clockwise until it separates (FIG. 6).

Clean the parts with a non-residue solvent like denatured alcohol. Make sure the holes in the handpiece body are clear from debris. Do not get moisture down the air hose. If this happens, you will need to clear and dry it before reassembly. Make sure everything is completely dry before reassembling. **DO NOT** oil inside the handpiece; lubrication decreases performance.

**REASSEMBLY NOTE:** There is an O-ring inside the knob that makes getting the handpiece body to thread a little difficult when reassembling. Use a very small amount of synthetic lube or non-stick grease and create a thin film around the outside of the shaft between the threads and the end (FIG. 7).

**QUICK CHANGE HOLDER HINT**

Synthetic Lube or non-stick grease on the shaft of a quick change holder will make them easier to slip in and out.

**ADJUSTING THE HANDPIECE**

First connect the handpiece hose to the Gravermeister. With it turned on, point the handpiece nose up and unscrew knob until it strokes with no throttle. Screw the knob in until you hear it stop stroking. Turn the knob in about 1/2 turn and this is the proper adjustment for the handpiece. Tighten the locking ring to the knob. Adjust the handpiece each time you clean it.

**HOW-TO-ATTACH A NEW HOSE**

Loosen the locking ring and remove the knob from the handpiece. Remove the old hose by cutting it off close to the knob. With a small punch, push the hose/brass fitting back into the knob body. Remove the brass fitting (#004-409) from the cut off hose piece. Feed the new air hose through the hole in the knob (FIG. 1). Insert the brass fitting into the end of the hose making sure it is fully seated. Moistening the fitting first may help it slip into the hose easier. Then apply a small amount of moisture or oil (you can even use “skin oil” from your nose or forehead) around the outside end of the hose next to the brass fitting and pull the hose back (FIG. 2) into the knob until you see the tip of the brass fitting protrude through the side of the knob. This must be an airtight fit, so you will have to pull somewhat hard (a few pounds, at least).

**PUTTING A FLAT ON A HANDPIECE KNOB**

If you choose to put a flat on the knob you should use the handpiece first to be sure where the hose “exit” is most comfortable for you. Note critical dimensions below and warnings.

**NOTE:** Do NOT use petroleum based oils - **USE ONLY** Synthetic oils. Fossil oils can damage the O-Rings.
High Speed Valve Kit
For GraverMeister • #001-893

GET THE MOST OUT OF THE 915 HANDPIECE
The GRS 915 Handpiece has a wide power range. If your Gravermeister is an 800-1200 stroke version, you will not be able to use the FULL capability of the 915 handpiece. To get the most out of your handpiece, upgrade the 800-1200 stroke version Gravermeister with the High Speed Valve Kit. With the faster 1600-2400 impacts per minute, you will get the full use of the 915 and have smoother cuts, longer tool life, and reduced work time. Ask your sales representative today!