

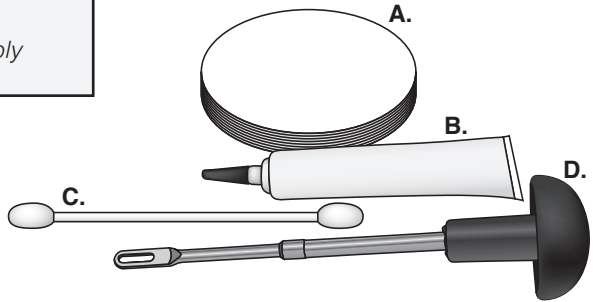
# GRS<sup>®</sup> Handpiece Cleaning

Performance issues may occur that indicate the handpiece needs cleaning:

- *Sluggish*
- *Reduction in power*
- *Hesitates*
- *Uses more air*
- *Starts unpredictably*

## SUPPLY LIST

- A. Cleaning pads
- B. Synthetic grease. *Super Lube Synthetic Grease*. (#022-162).
- C. Cotton swabs
- D. Cleaning rod

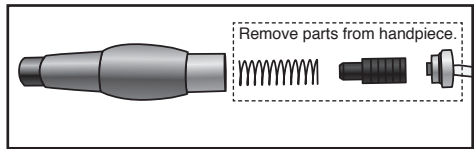
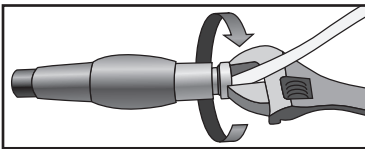


## ADDITIONAL SUPPLIES REQUIRED

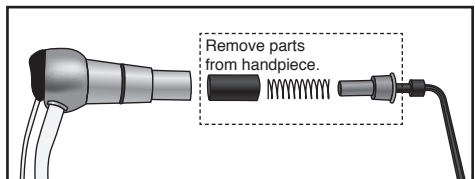
- Rubbing or denatured alcohol
- 5/64" hex key wrench
- QC holder

### Step 1: Disassemble Handpiece

If the handpiece hose enters at the back, carefully remove the two parts as shown below. Special note: The #004-801 and #004-821 (GraverMeister model handpiece) have two small spanner holes in the end cap.

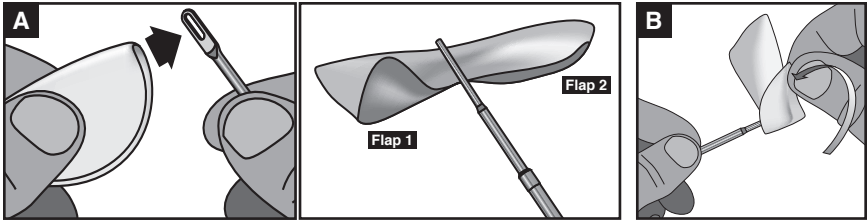


If the handpiece hose enters at the knob assembly, use a 5/64" hex key wrench inserted and tightened into a QC holder. Use QC holder and wrench as a tool to unthread and remove the receiver end of the handpiece.



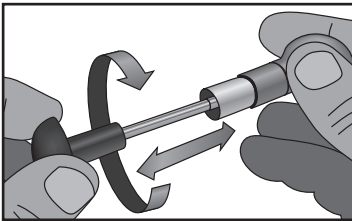
## Step 2: Prepare Cleaning Kit

A) Remove one cleaning pad from the bag and fold in half. Insert pad through the cleaning rod eye. Pull pad through the eye until pad is halfway through.



B) Wet the pad with rubbing or denatured alcohol. Fold Flap 1 over the tip of the eye to cover completely. This will clean all the way to the end of the bore without damage.

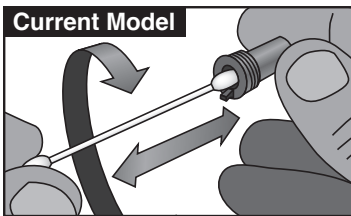
## Step 3: Clean Handpiece Bore



Carefully insert the rod into the bore of the handpiece as far as it will go.

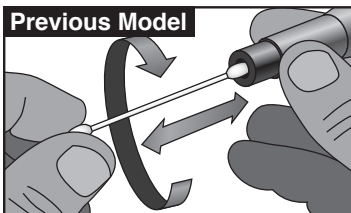
Once fully inserted, turn the cleaning rod knob so the entire inside diameter is wiped clean. Then gently move it up and down to clean the interior of the bore as well.

## Step 4: Clean Receiver Bore



Wet a cotton swab with rubbing or denatured alcohol. Clean the receiver bore with the cotton swab.

This is important for allowing the maximum power transfer from the piston while striking the back of the receiver and transmitting this force to the tip of the graver or setting tool.

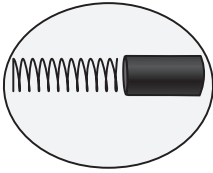


Note: The cleaning rod cannot be used on GRS handpiece receiver bores. The receiver bore is too small and a cotton swab must be used.

**Allow all parts to dry completely before reassembling.**

## Step 5: Clean Piston & Spring

---

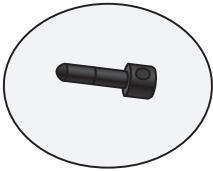


Lay out piston and spring on clean pad and wet with rubbing or denatured alcohol. Gently scrub with wet pad until clean.

Allow all parts to dry completely before reassembling.

## Step 6: Clean QC Holders

---



Wipe down each QC holder with a pad and rubbing or denatured alcohol to remove debris.

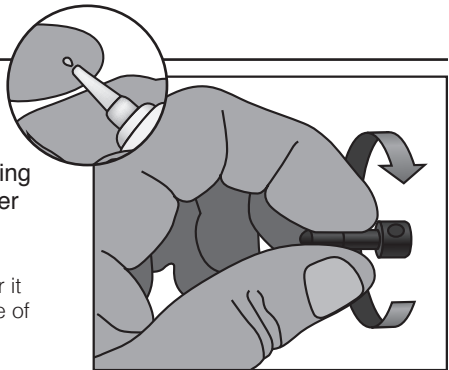
Allow all parts to dry completely before reassembling.

## Step 7: Lubricate QC Holder Body

---

Apply a very small amount of SuperLube or other fully synthetic lightweight lubricant to the QC holder body. This will keep the O-ring from drying out and cracking, and ensures the holder moves freely in the receiver.

NOTE: Avoid applying too much lubricant or it will attract excessive debris onto the outside of the QC holder.



## Step 8: Reassemble Handpiece

---

Make sure all parts are dry before reassembly.

**Clean handpieces if a loss of control or power is experienced.  
If you have any questions, please call GRS at 800-835-3519 or  
e-mail: [support@glendo.com](mailto:support@glendo.com)**

# **GLENDO LLC**

900 Overlander Road • Emporia, KS 66801 USA  
800-835-3519 • 620-343-1084 • Fax: 620-343-9640  
grs@grstools.com • www.grstools.com  
Last Update: May 29, 2013  
USA and foreign patents. Printed in USA. All rights reserved.  
© 2011 Glendo LLC