





## QWIKLINE™ THREAD CHASER - (Maintenance and Troubleshooting Tips)

### Maintenance:

Following are some important tips to keep your QwikLine™ Thread Chaser (QTC) operating effectively:

- 1) After each use of the QTC, tap the bottom of the QTC 1-2 times on a hard surface to enable metal particles from repaired threads to be removed from the QTC. Alternatively, pressurized air may be blown into the bottom of the QTC to remove metal particles. This process is important to allow for continued smooth operation of the QTC while reducing cleaning cycles.
- 2) The QTC should generally be cleaned every 25-50 uses, depending on the severity of the damaged threads being repaired. Customer may return the QTC to QwikLine Industrial Products for a complimentary factory cleaning (shipping costs to/from factory are the responsibility of customer), or perform the following steps to clean the QTC:
  - Step 1: Using Snap Ring Pliers, remove snap ring on top of QTC.
  - Step 2: Remove top washer, spring, bottom washer, and both halves of cutting mechanism. **NOTE: Requires protective gloves. Teeth on thread cutting mechanism are very sharp! Use extreme caution!**
  - Step 3: With all parts removed from QTC, wipe interior of QTC with a clean, soft cloth until no metal particles remain.
  - Step 4: Prior to reassembly, spray a light coat of dry graphite lubricant onto the bottom and tapered portions of the cutting mechanism. NEVER use oil lubricants or silicone spray as these products will cause metal shavings resulting from the thread repair process to adhere to the QTC, which impairs the performance of the QTC.
  - Step 5: Reassemble QTC by assembling in the opposite order of disassembly. First, place both halves of cutting mechanism into bottom of QTC. Ensure tapered bottom of thread cutting halves rest on interior bottom of QTC. Next, place bottom washer on top of cutting mechanism, which is then followed by spring, top washer, and lastly, the snap ring. When placing snap ring in QTC, it is important to press down slightly on spring to enable the snap ring to seat in the snap ring groove to ensure proper operation of QTC after cleaning.
- 3) Leave the QTC in the “closed” position after each use. Keeping the QTC in the closed position after use keeps debris out of the QTC. The QTC should only be moved to the open/ready position immediately prior to use (see Figure 1 in Instructions for Use).

### Troubleshooting Tips:

- **If QTC is difficult or impossible to slide onto bolt or rod**
  - Verify that QTC is identical size to bolt/rod being repaired. Damage to QTC or bolt/rod, or both, may result if QTC is inserted onto mismatched size bolt/rod.
  - Make sure to rotate QTC slightly clockwise while sliding QTC down bolt/rod.
  - Ensure QTC is in open/ready position (see Figure 1 in Instructions for Use).
- **If QTC is not repairing threads**
  - QTC may be misaligned with bolt/rod. While installing QTC onto bolt/rod, continue to rotate clockwise until QTC is both beyond the area of damaged threads and the QTC is parallel to the bolt/rod. If QTC is not aligned (ie, is crooked) with bolt/rod prior to rotating QTC counter-clockwise off bolt/rod, QTC will not engage with damaged threads.
  - Visually inspect “teeth” on thread cutting mechanism for wear. After many uses, internal parts of QTC will wear to a point at which the QTC will no longer function properly and must be discarded.
  - Ensure that when rotating QTC counterclockwise off bolt/rod there is no “forward” pressure being applied to QTC (ie, pressure in the opposite direction the QTC is being rotated off). Forward pressure will result in the QTC not properly engaging with the damaged threads.
- **If QTC is difficult or impossible to get into the “open/ready” position when using QwikLine Key**
  - Metal particles may have accumulated inside the QTC. Clean QTC per Maintenance Item 2 above.
  - QTC may already be in open position. Check by turning key back and forth 1/4 turn until key stops in left-most position.