

Installation Instructions

Throttle Master Top Works Sub-Assembly Repair Kit

P/N TPWKL-X-XXX

Should it become necessary to replace the Top Works Sub-Assembly, follow these instructions:

Disassembly

1. Turn the Handle in a counter-clockwise direction approximately 3 full turns from closed position.
2. Unscrew the Cap from the Valve Body and pull out the Top Works Sub-Assembly..

Rework Kit Installation

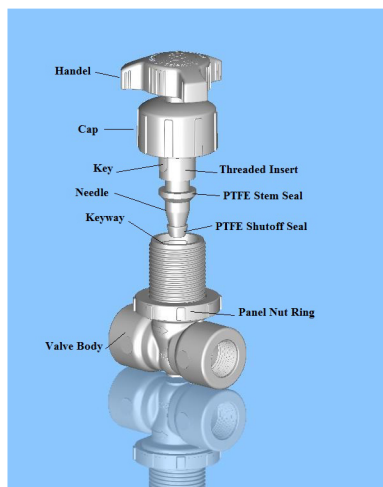
NOTE: IMPROPER INSTALLATION AND CARE OF THESE COMPONENTS CAN RESULT IN DAMAGE THAT MAY RESULT IN LEAKS

1. Threaded insert must be in a neutral position (neither fully closed nor fully opened), where the top part of the insert reaches the end of the threaded section of the needle. The cap must have approximately 0.5" free travel from the bottom of the handle.
2. Make sure that the PTFE stem seal is installed as shown.

3. Align the two Keys on the Threaded Insert with the Keyways in the Valve Body and slide the Top Works Sub-Assembly into the Valve Body.
4. Without tightening the cap, thread in the Cap onto the threaded Valve Body to a soft stop.

It is extremely important that the Handle and Needle remain in a neutral position.

5. Turn the handle to make sure that it can travel up and down freely (+2 turns) to a soft stop. Repeat this step 2 times and bring the stop at the neutral position.
6. At this neutral position, use your hand to tighten the Cap tightly. **DO NOT USE WRENCHES OR ANY OTHER MECHANICAL TOOLS; OVERTIGHTENING WILL CAUSE DAMAGE TO SEALING SURFACES.**



IMPORTANT NOTE:

The Panel Nut Ring is for mounting purposes only. It is not to be used as a locking ring to the cap. The body thread provides the proper thread engagement to provide adequate compression by the Cap onto the internal PTFE Stem Seal. If wear develops, simply follow steps 5-6 of the Rework Kit Installation procedure above.

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