

MHY-CIA-18-A (FOR ALL HY-1000, HY-2000, MHY-10 and MHY-15, MHY-16, MHY-20, MHY-25 AND MHY-26) COMPLETE INTERNAL ASSEMBLY REPLACEMENT INSTRUCTIONS - HYDRANT REPAIR KIT

This kit includes: 2-plunger assemblies; 2-worm stem assemblies; 2-lock nuts; 1-head nut seal; 1-tube thread locker; 1-tube lubricant

REMOVAL

Shut off water supply to hydrant and relieve water pressure. Remove hydrant stem assembly. (Do not disassemble. The old stem must remain assembled for reference dimensions.) Remove the old head nut seal.

Note: The plunger tips provided in this kit will replace all old versions of plunger tips. See inset.



MEASUREMENT

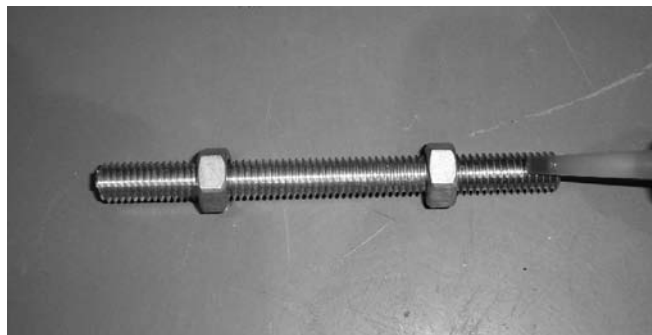
Fully thread the appropriate worm stem assembly on to the 4-1/4" uninterrupted threaded end of the fully threaded rod. Lay the old stem assembly next to the new stem, aligning the o rings on the worm stem assemblies. Mark the groove in the threaded rod that is closest to the end of the old plunger tip, but **not** past the plunger end. Using the appropriate holding fixture and a 32TPI hack saw, cut the threaded rod to the appropriate length.

Note: The undercut grooves in the threaded rod will guide the hack saw blade without the need for thread end "clean up" after cutting. See inset.



ASSEMBLY AND ADJUSTMENT

Remove the worm stem assembly from the cut rod and thread the two lock nuts onto the rod approximately 1" inward from each end. Apply thread locker to the two ends of the threaded rod (approx. 3/8" coverage) and a small amount to the internal threads of the plunger and worm assemblies.



Thread the worm stem assembly until seated fully and then thread the plunger assembly to match the length of the old hydrant stem assembly. (Remove excess thread locker.)

Note: Align the o rings of the two stems side by side and adjust the plunger tips to match.

Once the proper length has been attained, advance the lock nuts toward the two end assemblies and tighten with a 9/16" wrench.

Generously apply lubricant to the plunger tip seals, o ring, and worm stem screw threads.

INSTALLATION

Install the new head nut seal into the body of the hydrant. Thread the worm screw **fully** into the head nut using a hydrant key. Thread the head nut and stem assembly into the hydrant body and tighten. Shut off the hydrant and open the water supply. Test the hydrant for proper function.



Part # MHY-CIA-18-A

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Design and dimensions are subject to modification. Prices do not include applicable taxes. Visit www.mifab.com for the most recent product information.

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COMPLETE INTERNAL ASSEMBLY
REPLACEMENT INSTRUCTIONS

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FOR MHY-CIA-18-A