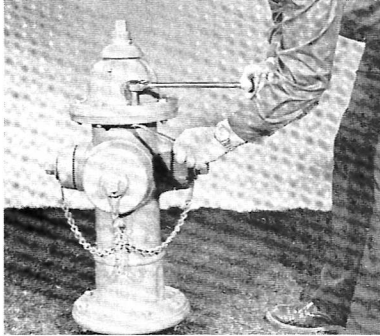


# MUELLER® CENTURION® FIRE HYDRANT WITH STOP-IN-BONNET

This form illustrates and describes the proper removal and assembly of the bonnet for CENTURION Fire Hydrants having the stop-in-bonnet feature.

See form 10492 for all other procedures.

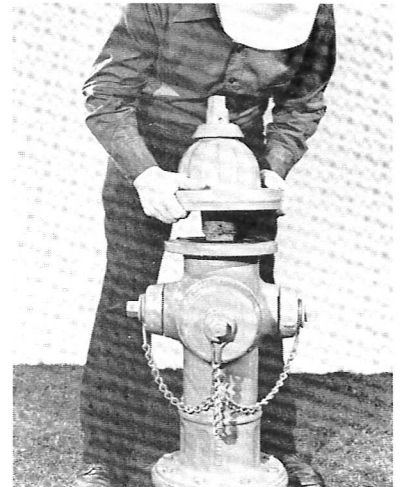
# BONNET REMOVAL AND ASSEMBLY INSTRUCTIONS



**1. Disassembly Procedure**  
Remove bonnet bolts.



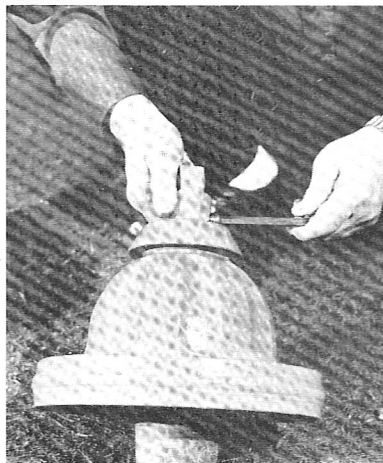
**2. Turn operating nut in opening direction while holding bonnet stationary until stop nut bottoms. This lifts bonnet off upper barrel.**



**3. Remove bonnet from upper stem by turning entire bonnet counterclockwise.**



**4. Lift bonnet from Hydrant. Other operations may now be performed on the hydrant.**



**5. Remove weather cap set screw and lift off weather cap. Remove hold down nut by turning it in hydrant closing direction. The operating nut, hold down nut, friction washer, weather cap and pin can be removed and replaced without removing the bonnet from the upper barrel.**



**6. Remove operating nut, stop nut assembly and thrust washer by lifting out of bonnet. Remove hold down nut by turning it in hydrant closing direction.**



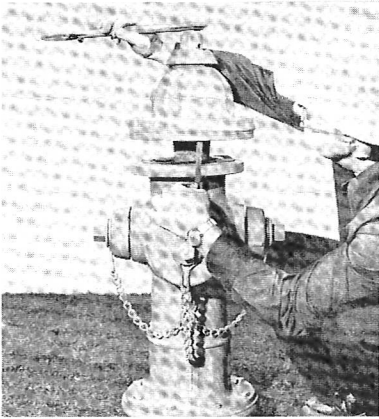
**7. Assembly Procedure**  
Assemble stop nut to operating nut. Thread stop nut in about halfway.



**8. Place stop nut - operating nut assembly in bonnet. Place antifricition washer in bonnet. Thread in hold down nut making sure "O" - Rings are in place. Tighten hold down nut (recommended torque is 250 ft. lbs.).**



**9. Attach weather cap and lock in place by tightening set screw. IMPORTANT - Now turn operating nut in opening direction until stop nut "bottoms out" (full open position).**



**10. With pressure on hydrant**  
Place gasket on upper barrel. Thread bonnet assembly onto upper stem until there is 2 3/8" between gasket and gasket mating surface of bonnet.

**With pressure off**

The bonnet assembly must be lifted while being turned. The bonnet should be pulled up hard when measuring 2 3/8" to be sure main valve is closed.



**11. Turn operating nut in closing direction while holding bonnet stationary, until bonnet is tight against upper barrel. Check to make sure bolt holes are lined up.**



**12. Replace bonnet bolts and tighten evenly (recommended torque is 50 ft. lbs.). With nozzle caps tight, operate hydrant from fully closed to fully open. Close hydrant. The operating nut should make 15-17 turns each way -- if not, redo adjustment starting over with step 9.**

Remove hose nozzle cap to allow hydrant to drain.



**13. Fill hydrant oil reservoir with MUELLER hydrant lubricant.**