

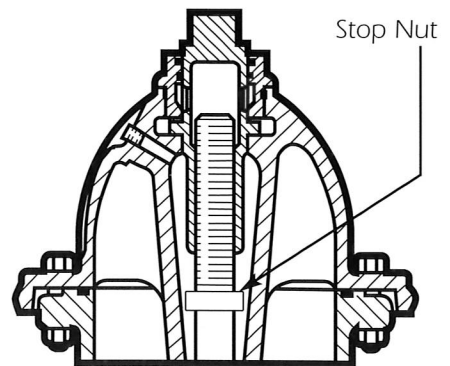
# MUELLER® CENTURION® SPIN-IN FIRE HYDRANT (STOP-IN-BONNET)

## Bonnet Removal and Assembly Instructions

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### To Remove Bonnet:

1. Turn operating nut to fully closed position.
2. Remove weather cap if present (pre-1988 models only) and remove hold down nut.
3. Remove operating nut and anti-friction washer.
4. Place stop nut tool (part no. 145874) over stem and slide down while turning to engage top of stop nut.
5. Turn stop nut tool in opening direction of hydrant to loosen and remove stop nut and stop nut tool.
6. Lubricate exterior of brass sleeve and slide over threaded stem to prevent O-ring damage.
7. Unbolt and remove bonnet.



### To Reassemble Bonnet:

1. Check bonnet gasket for proper position and condition. Lubricate exterior of brass sleeve and slide over threaded stem to prevent O-ring damage.
2. Place bonnet onto upper barrel and assemble bonnet bolts only hand tight. Remove brass sleeve.
3. Thread stop nut onto stem and use stop nut tool (part no. 145874) to run nut down until it contacts top of sleeve on upper stem, then turn back one-quarter turn.
4. Reinstall operating nut, anti-friction washer and hold down nut.\* Be sure O-ring seals are in good condition at threaded shoulder on outside of hold nut and on inside where contact is made with operating nut. Reinstall weather cap, if present.
5. Remove oil filler plug in side of bonnet. Pour Mueller hydrant lubricant into oil reservoir until it is level with the oil filler hole. Replace oil filler plug.
6. Tighten bonnet bolts. Unscrew one hose nozzle cap slightly to bleed air. Open hydrant fully. Tighten the hose nozzle cap when water starts flowing and check all flange connections for leaks. Turn operating nut to fully closed position and remove hose nozzle cap to allow barrel to drain. Replace hose nozzle cap.
7. Turn operating nut in closing direction to make sure main valve is closed tightly, then turn in opening direction approximately 1/4 turn to relieve tension on operating mechanism.

\*Tighten hold down nut to 200-300 ft-lbs of torque. If torque wrench is not available, use a 3 lb hammer to strike the end of the A-311 wrench firmly two times to assure the nut is properly tightened.



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