

Mueller® Centurion® Spin-In Fire Hydrant

(STOP-IN-BONNET)

BONNET REMOVAL AND ASSEMBLY INSTRUCTIONS

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. Remove bonnet bolts.
5. Lift bonnet until stop nut rests on the ribs of the bonnet. Rotate bonnet in opening direction of hydrant to loosen and remove stop nut.

NOTE: Once stop nut is above the ribs of the bonnet, the stop nut tool (part no. 145874) can be used to fully remove the stop nut.

6. Lubricate exterior of brass sleeve (A367) and slide over threaded stem to prevent stem O-ring damage and retain oil.
7. Remove bonnet.

To Reassemble Bonnet:

1. Check bonnet flange O-ring (gasket is used on older models) for proper position and condition, replace if damaged. Lubricate exterior of brass sleeve (A367) and slide over threaded stem to prevent stem O-ring damage and retain oil.
2. Place bonnet over upper barrel and remove brass sleeve.
3. Thread stop nut onto stem and use stop nut tool (part no. 145874) to run nut down until the tool contacts the ribs of the bonnet. Then lift bonnet, align stop nut

in ribs of bonnet, and turn in the closing direction until the stop nut contacts the sleeve of the upper stem. Rotate bonnet in opposite direction one-quarter turn.

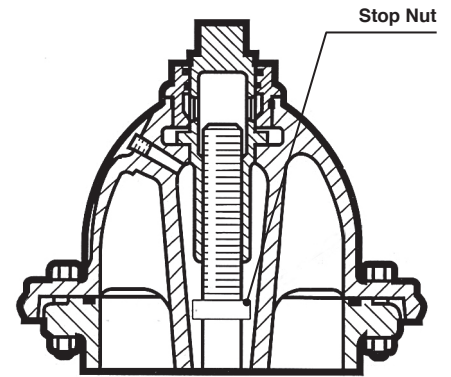
4. Reinstall operating nut, anti-friction washer, and hold down nut.* Be sure O-ring seals are in good condition at the threaded shoulder on outside of hold down nut and on inside where contact is made with operating nut. Reinstall weather cap, if present.

5. Remove oil filler plug on side of bonnet. Pour Mueller hydrant lubricant into oil reservoir until it is level with the oil filler hole.

⚠ CAUTION: Always fill the oil reservoir with the bonnet installed, the hydrant in its normal upright position, and the main valve fully closed. If the hydrant is filled with lubricant under any other circumstances, excess lubricate can overflow the Bonnet and create a pressure lock. This could result in damage to the seals or Bonnet or prevent proper hydrant operation.

Reinstall oil filler plug.

6. Install bonnet bolts and tighten.** 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 ¼ turn to relieve tension on the operating mechanism.

*Tighten hold down nut to 200-300 ft-lbs of torque.

**Tighten bonnet bolts to 40-80 ft-lbs of torque.



Water (U.S.)
1.800.423.1323
www.muellercompany.com
moreinfo@muellercompany.com

International
1.423.490.9555
www.mueller-international.com
international@muellercompany.com

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