



Reliable Connections™

## 107 Fire Hydrants Bonnet Conversion Kit

### Installation Instructions:

**Replaces 107 hydrant bonnet with Centurion® stop-in-bonnet style.**

**Note:** Brass sleeve A-366 will be required to install the bonnet.

1. Remove bonnet bolts and nuts.
2. Rotate operating nut in opening direction to fully opened position. This lifts bonnet off the upper barrel.
3. Rotate complete bonnet assembly counterclockwise to detach from upper stem threads. Lift off.
4. Unbolt safety flange and remove upper barrel.
5. Remove upper stem and safety stem coupling by removing the lower cotter pin and clevis pin.
6. Remove cotter pin from stem pin. Remove clevis pin and remove safety stem coupling from upper stem.
7. Assemble safety stem coupling to new upper stem with steel clevis pin and cotter pin.
8. Safety stem coupling should be installed with words "THIS END UP" towards the upper stem.
9. Assemble new upper stem and safety stem coupling onto the lower stem and retain it with steel clevis pin and cotter pin.
10. Check safety flange gasket on lower barrel and replace if damaged. Reassemble upper barrel being sure gasket is centered as nozzles are located in desired position. Bolt into place the two halves of safety flange with circular groove facing upward, and with safety flange fitting snugly around lower barrel.
11. Install two stem o-rings in lower area of bonnet.
12. Place new bonnet gasket on upper barrel.
13. Lubricate outside surface of brass sleeve (A-366) and slide it down over threaded end of stem. The sleeve protects the stem o-rings in the next steps.
14. Place new bonnet onto upper barrel and remove brass sleeve.
15. Install the stop nut on the stem. The stop nut should be located one to two turns from the brass sleeve. It may be necessary to lift the bonnet and turn the bonnet and stop nut. Do not lift the bonnet enough to expose the stem o-rings to the stem threads.
16. Align bonnet bolt holes and install bolts and nuts finger tight.
17. Install operating nut. Drop new anti-friction washer into place on operating nut.
18. Remove oil plug and fill oil reservoir with Mueller® Hydrant Lubricant until oil level reaches bottom of plug. Replace oil plug.
19. Install new hold down nut o-ring and new weather seal on inside of new hold down nut.
20. Install new bonnet o-ring on outside of hold down nut and install hold down nut.
21. Tighten bonnet bolts. To check bonnet gasket seal, open one hose cap slightly. Open hydrant until barrel fills with water, tighten hose cap, open hydrant fully. Check gasket for leakage, then turn operating nut to fully closed position. Back off 1/4 turn to relieve tension on operating mechanism.

**Phone: (800) 423-1323**

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