

INSTRUCTIONS FOR EXTENDING THE McAVITY M67B / BRIGADIER HYDRANT

Components List

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|---|----------------------------------|
| 1 - #50 Extension Barrel with Threaded Flange | 1 - #82 Pipe Flange (Top) |
| 1 - #51 Extension Stem | 1 - #56 Retaining Ring |
| 2 - #26 Intersection Gaskets | 8 - Threaded Flange Bolts & Nuts |
| 1 - #52 Alignment Extension Coupling | 2 - #28 Coupling Bolts & Nuts |

For Safety's sake, please ensure that the water supply is turned off.

Step 1: Disassemble the upper barrel (Hydrant Body).

- a) If extending a hydrant with a **threaded body cap**, unscrew body cap cover screws (2) #10, and remove body cap cover #11. Unscrew the body cap #14 anti-clockwise and unscrew the Hydralube nut #64 from the upper stem. Remove body cap assembly consisting of body cap, retaining gland and operating nut.

If extending a hydrant with **bolt down body cap**, remove the body cap bolts. Uncrew Hydralube nut #64 to remove the body cap #78.

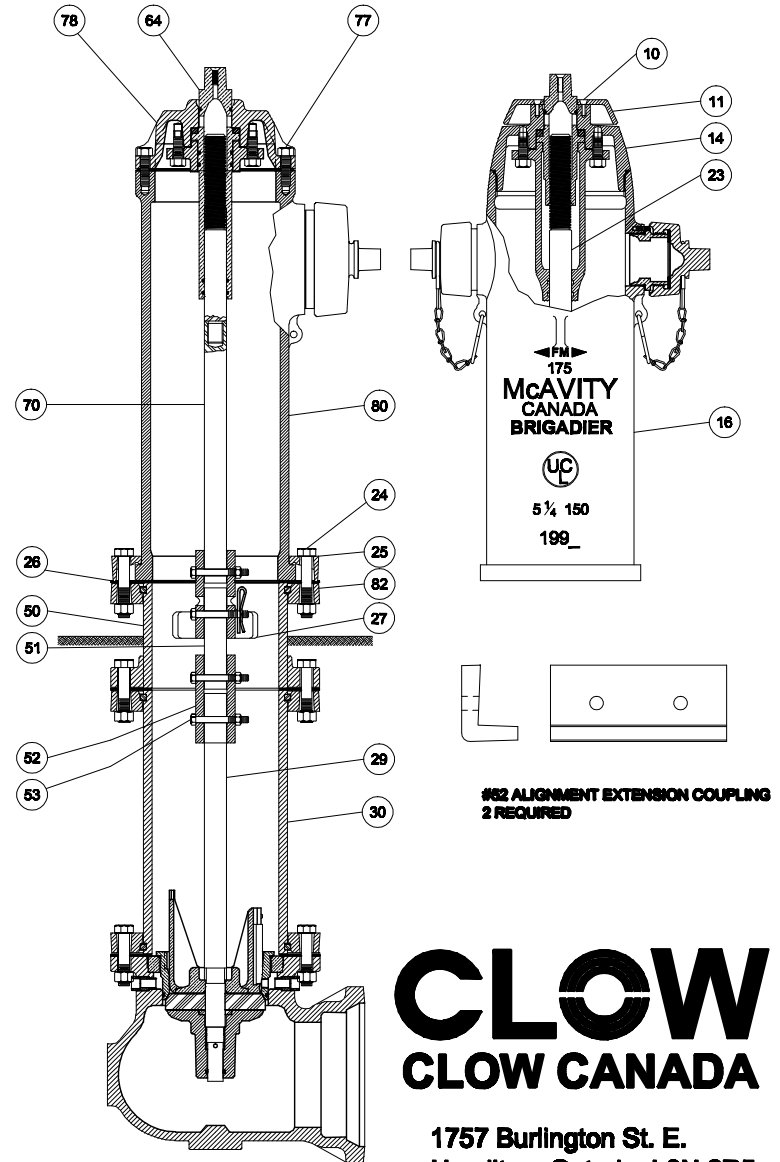
- b) Remove bolts #24 from safety flange segments #25 and pipe flange (top) #82.
 c) Lift the body #16 / #80 off the intermediate section #30. The upper stem #23 / #70 is now protruding.
 d) Remove the safety coupling #27 from the lower stem #29 only, leaving the upper stem attached to the coupling.

Step 2: Install the Extension

- a) Assemble extension stem #51 to extension stem alignment coupling #52 and connect to lower stem #29.
 b) Replace gasket #26 affixed to intermediate section #30. Lower the extension barrel #50, with threaded flange facing the bottom, over the extension stem #51. (check threaded flange to ensure barrel portion is protruding). Align with gasket bolt holes and intermediate flange hole.
 c) Install threaded flange bolts & nuts and torque evenly between flanges to minimum 77 ft. lbs. of torque.

Step 3: Re-assemble the upper barrel (Hydrant Body)

- a) Re-attach upper stem #23 / #70 to extension stem #51. Securely tighten bolts & nuts (or clevis bolt & pin)
 b) Place gasket #26 on to extension barrel #50. Replace body #16 / #80 on to extension barrel #50 and orient body to your requirements. Check if gasket is still centered.
 c) Assemble safety flange segments #25. Install and torque bolt & nuts evenly between flanges to a minimum of 77 ft. lbs torque.
 d) Check interior of operating nut for O-ring damage. Replace if necessary. Liberally lubricate O-rings and threads, align cap assembly and slip over operating stem #23 / #70.
 e) For **bolt down body caps**, spin body cap assembly downwards until body cap meets hydrant body. Align bolt holes and screw in body cap bolts.
 For **threaded body caps**, spin body cap assembly downwards and then tighten clockwise to a minimum of 60 ft. lbs torque using the body cap wrench. RE-assemble body cap cover #11 with cover screws #10.



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