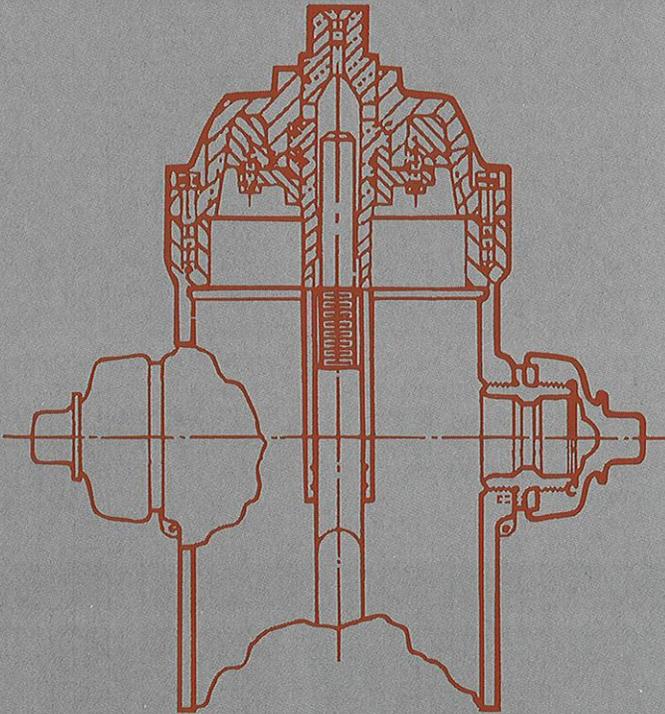


FIRE HYDRANTS



CLOW

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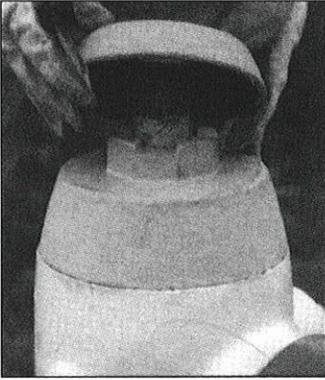
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BRIGADIER
SERIES M

HYDRANT
SERVICE

TO REMOVE M 67 STYLE BODY CAP

TO REMOVE FOUR BOLT BODY CAP



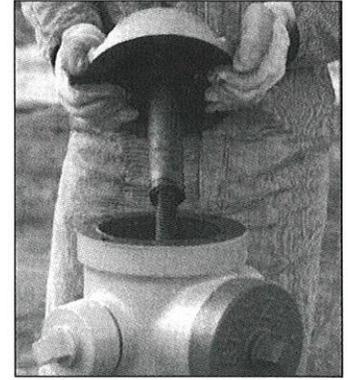
(1) Shut off water at isolating valve. Open hydrant no more than two or three turns to relieve pressure. Take out body cap cover screws and remove cover. Remove oil hole screw from operating nut.



(2) Unscrew body cap anti-clockwise from the body, using a wrench on the top of the body cap. Remove body cap assembly by backing operating nut off of stem.

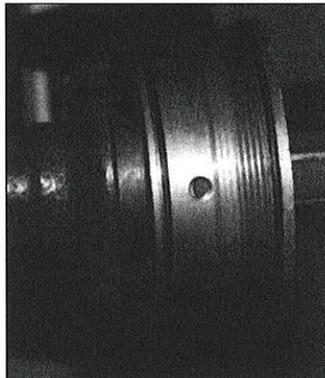


(2a) Shut off water at isolating valve. Open hydrant no more than two or three turns to relieve pressure. Remove the four cap screws.

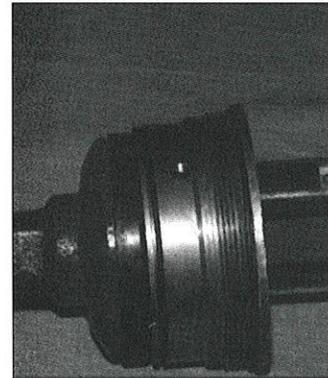


(3) Remove body cap assembly by backing operating nut off of stem.

TO REPLACE INTERNAL PARTS (after repair and inspection)



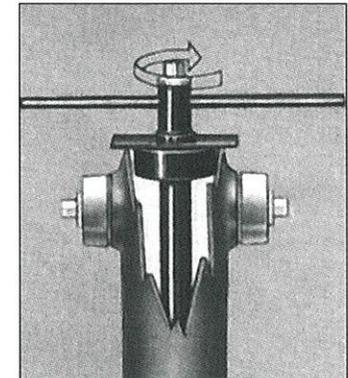
(1) Clean and inspect the seat, drip valve assembly, O-rings and threads for damage or wear and replace when necessary.



(2) Apply grease lightly to the seat threads and O-rings.



(3) Lower internal parts into the body with the main valve in contact with the seat, and carefully lower the seat into the seat casing.

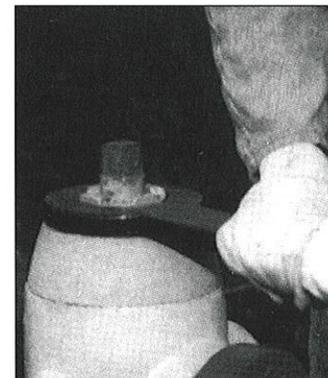


(4) Reverse the operation in steps 4 & 5 above. Tighten the seat into the casing by turning to the right.

TO INCREASE LENGTH OF BURY



(1) Shut off the water at isolating valve. Take out body cap cover screws and remove cover.



(2) Open hydrant not more than two or three turns to relieve pressure. Unscrew body cap anti-clockwise for M67 style body.

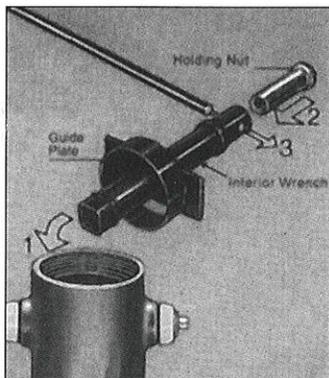


(3) For Bolt on, take out the four cap screws and remove body cap assembly by backing operating nut off of the stem.

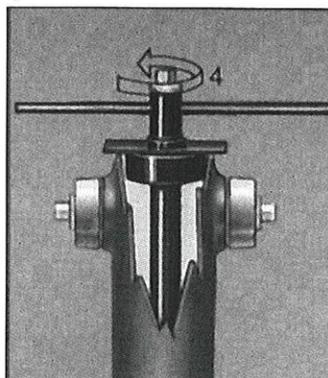


(4) Remove four safety flange segments.

TO REMOVE INTERNAL PARTS



(4&5) Insert the guide plate into the top of the body (1) fully inserting the interior wrench until the stop collar rests on the guide plate and the wrench square fits over the hydrant stem. Insert the holding nut into the wrench (2) and screw onto the stem thread until the valve is almost closed and the holding nut slot is aligned with the wrench hole. Insert the bar (3). Main seat is then unscrewed from the seat casing by turning the bar counter-clockwise (4). Remove the wrench from the hydrant before lifting stem assembly.



(6) Carefully lift the stem and seat assembly from the elbow and up through the intermediate section and body, taking care to avoid contact that might damage the seat threads.

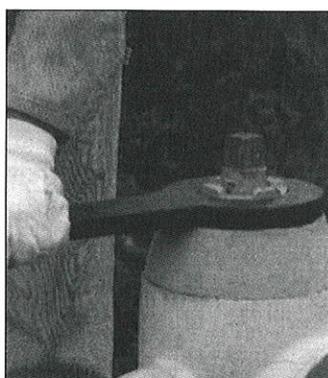


(7) Please note: The hydrant can be converted to be *non-draining* at this point, by installing a 1/4" brass plug into the pre-threaded drain hole in the main valve seat.



PLEASE NOTE: Oil hole screw should be removed to allow excess grease to escape.

(5) Replace the body cap assembly by first turning the operating nut down on the stem thread.



(6) Replace body cap by reversing the steps in 2 or 2a above. Open the hydrant shut off valve and test to see that the hydrant operates properly.

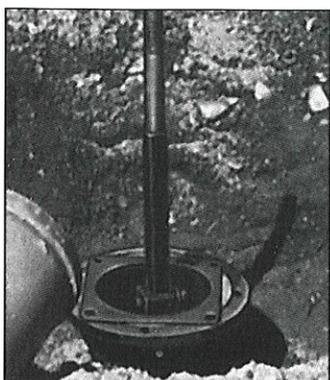


(7) Always operate hydrant after servicing. 18 turns \pm 1 turn is standard.

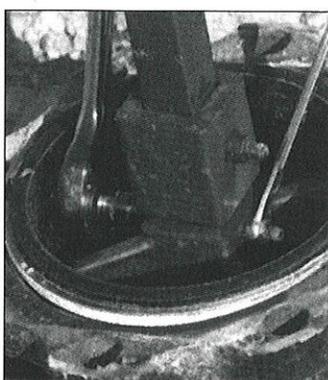
PLEASE NOTE:
All working parts, including the main valve assembly, may be removed through the barrel without excavating the hydrant. All parts of the hydrant of the same size and type are interchangeable. Removal of internal parts is easier because of "O" ring at the seat and bronze to bronze seating.

When ordering repair parts, please refer to our brochure for parts.

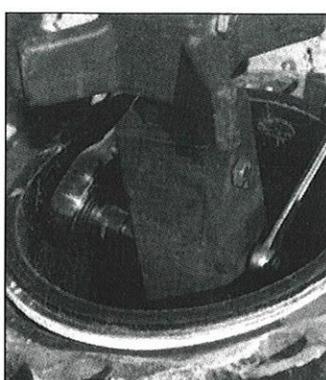
All mating parts should be replaced with a coating of lubricant.



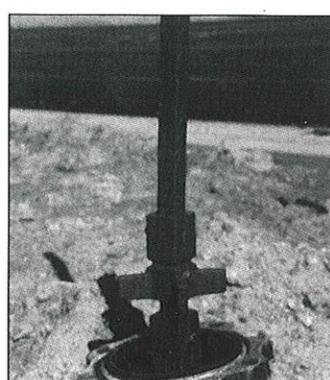
(5) Lift off the hydrant body. (Illustration shows the operating stem protruding).



(6) Remove safety coupling from operating stem lower. IMPORTANT: DISCONNECT ONLY THE LOWER BOLT OF THE SAFETY COUPLING. DO NOT REMOVE THE UPPER BOLT.



(7) Join the intermediate extension stem to the lower operating stem with bolts and nuts.



(8) Join the upper operating stem to the inner extension stem. Install the extension barrel and re-assemble.

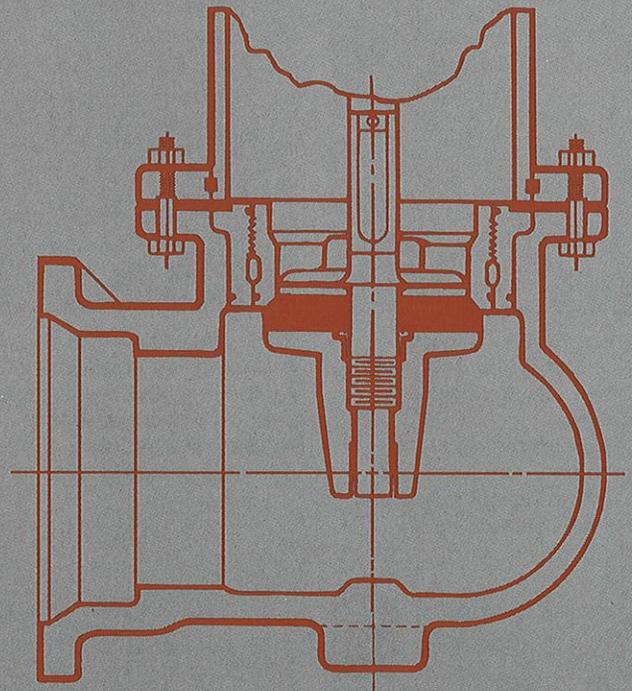
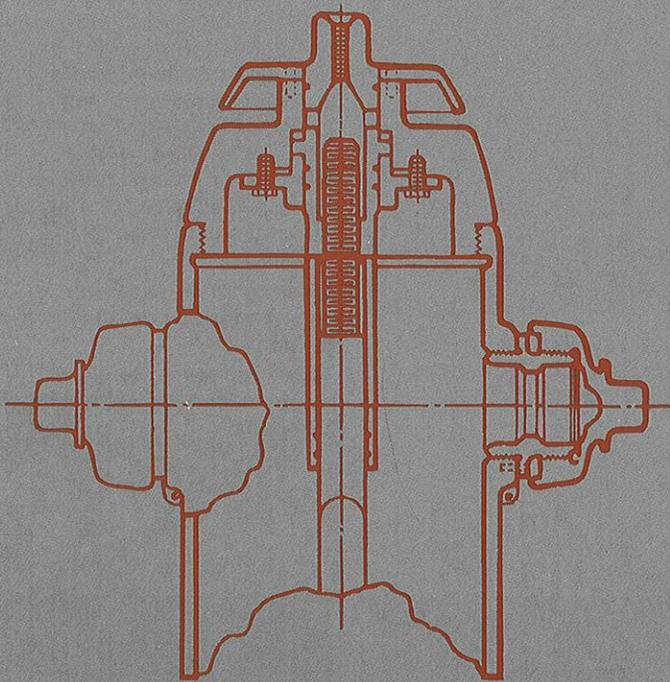
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