

Select-A-Length Wall Hydrant Stem Replacement Guide SL14-ST & SL-14AS



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Select-A-Length Kit Parts



Deburr Tool



Cutting Tool



Hex wrench and set screws



SL14-AS Stem with
check valve



SL14-ST Stem

Additional Tools Required

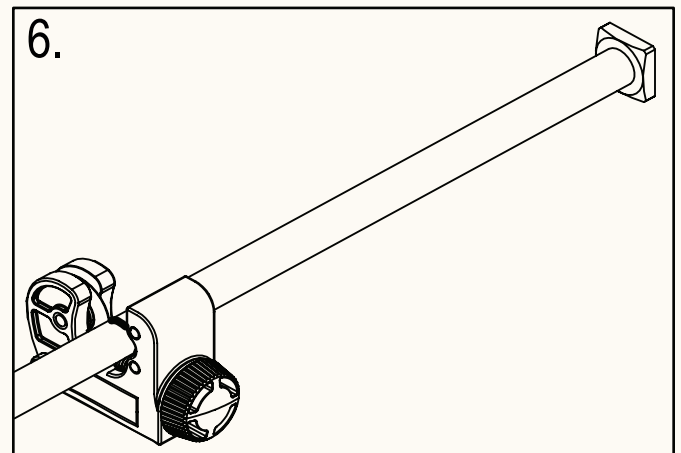
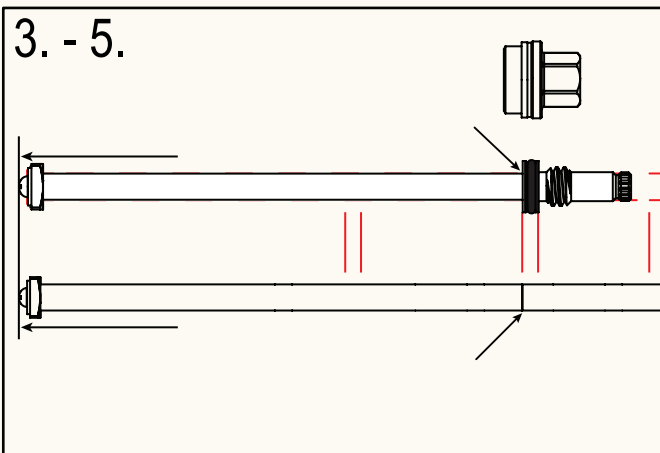
- Protective eyewear
- Philips screwdriver
- Adjustable wrench
- Vise grips or channel locks
- Permanent marker

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Instructions

1. Turn off your water supply and drain the system. Turn the wall hydrant handle counter-clockwise to open and drain the water. Use an open-ended wrench to remove the old stem assembly from the wally hydrant by loosening the bonnet nut from the valve body. Hold the valve body in place with channel locks to keep it secure to the wall.
2. With the handle attached to the old stem assembly, hold the handle and use an open-ended wrench to remove the bonnet nut from the stem by twisting the bonnet counter-clockwise. Use a screwdriver to remove the handle screw and handle from the old stem assembly.
3. With the bonnet, handle, and screw remove, lay the measuring template included in your packaging on a flat surface. Then line up the old stem on top of the red-dashed stem outline as noted on the template, so the seat end is aligned at the bottom of the page.
4. Align the new tube assembly on the black full-stem outline on the template, with the seat end aligned at the bottom of the page. Use a perpendicular flat surface to align the old and new stems at the bottom of the template.
5. Locate where the copper tube meets the chrome-plated stem on the old stem assembly. With a marker, draw a horizontal line on the new tube assembly that aligns with the top of the copper on the old stem assembly. The red horizontal lines should be in line with the mark (*Please Note: deviations may exist for wall hydrants installed before 1999).
6. Cut the tube at the marked line with the included mini tube-cutter. Insert the tube through the cutter resting between the two centering wheels. Align the mark made on the tube with the cutter blade. Finger tighten the mini-cutter handle until the tube is snug. Rotate the cutter around the tube, 3 to 4 rotations, re-tighten the cutter handle again, and repeat until the excess segment falls off. Place the cut tube assembly on the template to compare with the original stem. If the tube assembly is too long, repeat this method until the stem assembly is the correct length.



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7. Insert the cut tube stem into the included deburr tool and rotate 3 to 4 times inside to clean the outside edge of the stem tube.
8. Once deburred, insert the stem tube into the chrome-plated stem component. Ensure the tube is inserted entirely into the stem.
9. Check that the overall length is equal to the old stem by laying the new stem back on the template next to the old stem (+/- 1/16" tolerance).
10. Using the hex wrench and one of the small set screws included in the package, secure the stem to the tube by tightening the set screw into the small hole in the side of the new stem component where the tube is inserted. **IMPORTANT:** Be sure the tube is pushed into the stem until it stops before tightening the screw. Failure to do follow this step will result in a defective stem. **DO NOT** completely tighten the set screw as it can puncture the tube and may cause leaks.
11. Reinstall the bonnet nut onto the stem, then install the new stem assembly into the wally hydrant. Insert the stem into the hydrant, tighten the bonnet nut onto the valve body with a wrench, and attach the new handle and screw. Test the stem by closing the handle (rotate clockwise) until it stops. If the handle does not stop rotating, that may signify the stem tube has been cut too short and is not longer usable. Rotate the handle clockwise to turn off the wall hydrant, then turn the water supply back on.

Instructions Continued

