



MalcoEdge– 2026 – 03

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Revision A

SUBJECT: Ball Valve Knob Inspection / Assembly

PURPOSE	This document will guide users through the process of inspecting / assembling the knobs on affected models in the event users observe the knob turns more than 90 degrees. If the valve knob turns more than 90 degrees after performing this assembly procedure, please contact customer service at 320-274-7387 or via email at Technical_Services@malcogrp.com .
AFFECTED MODELS	HFYV38, CRT1, CRT2Y, CRT3
TOOLS REQUIRED	• #2 Phillips Screwdriver • Blue Thread Lock

NOTICE

There are small parts involved in this operation, please take care not to lose any of them.

PROCEDURE

1. Adjust the ball valve to the fully open position. Verify orientation by looking inside the port you are servicing to confirm the valve is open.



2. Fully unscrew the knob retaining screw with a #2 Philips screwdriver.

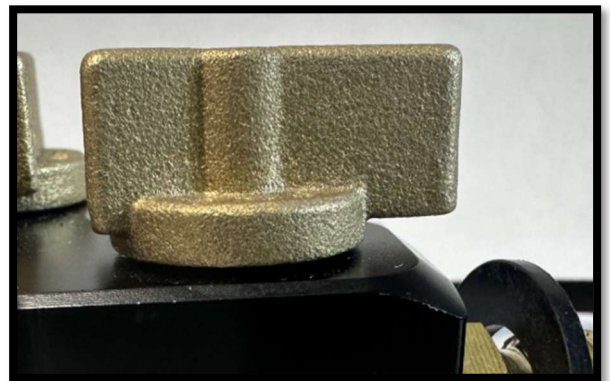


3. Fully remove the ball valve knob from the unit.

4. Inspect the knob and the valve stem to ensure the hex engagement between both the stem and handle have not been stripped or worn.



5. Fully seat the knob on the valve as shown.



6. Apply a light amount of blue thread locker to the knob retaining screw and reinstall the screw. Fully seat the screw.

7. Once assembled, confirm proper orientation of the valve and the knob by opening and closing the valve, confirming ball valve orientation at each position. The handle should only allow the valve to turn 90-degrees between open and close positions.

Open Position



8. The tool is now ready to use again.
9. Repeat the process for the other valves if equipped.

Closed Position

