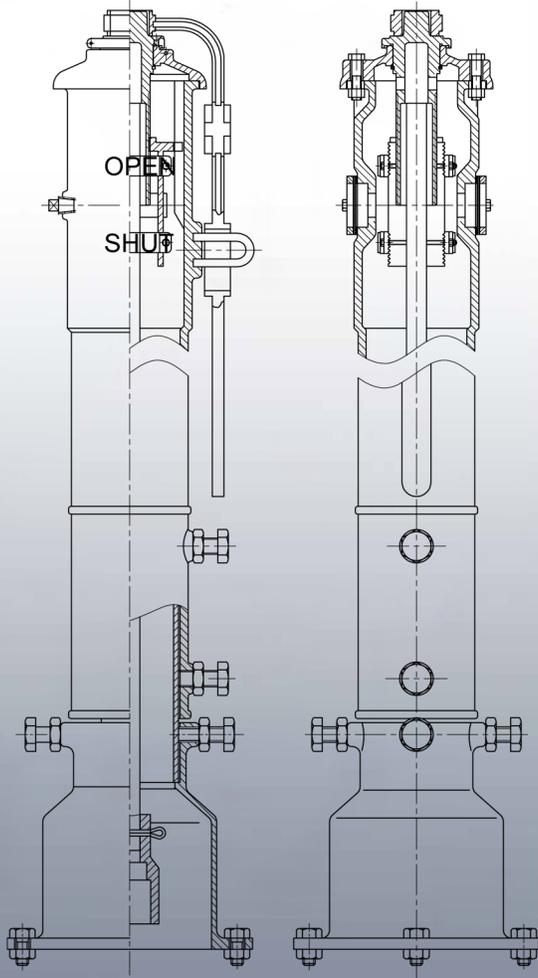


Century



Model G540
Vertical Post Indicator
Installation and Maintenance Manual



2
0
2
5

Century

Operation and installation manual for the Century Vertical Indicator Post Model G540

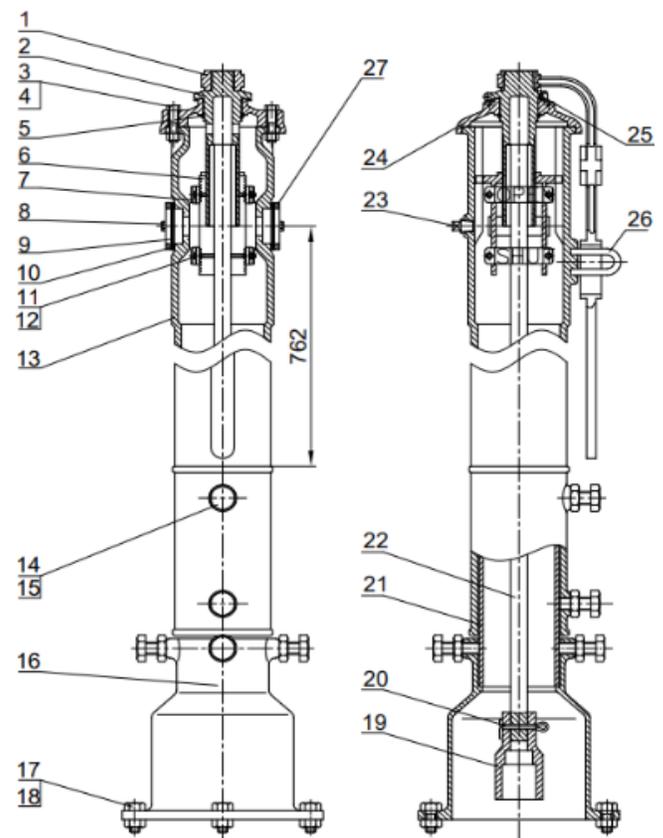
This document is an inspection, installation, and maintenance manual for the Century G540 Vertical Indicator Post. It details the Vertical Indicator Post components, their specifications, and proper installation procedures to ensure longevity and functionality. The manual also provides step-by-step instructions for inspection, operation, adjustment and routine maintenance.

Emphasis is placed on safety precautions during all procedures; this will ensure reliable operation and longevity of the equipment.

Components:

The Century Vertical Indicator Post is made of various parts, each with specific quantity.

Item	Name	Qty
1	Locking Wrench	1
2	Operating Nut	1
3	Hex nut screw	2
4	Hex nut	2
5	Snap Ring	1
6	Target carrier nut	1
7	Target	4
8	Hex cap Screw	4
9	Window glass	2
10	Window glass gasket	2
11	Hex cap screw	4
12	Hex nut	4
13	Body	1
14	Hex cap screw	6
15	Hex nut	6
16	Base Flange	1
17	Hex Cap Screw	4
18	Hex Nut	4
19	Crane Coupling	1
20	Cotter Pin	1
21	Stand Pipe	1
22	Stem	1
23	Plug	1
24	Cover	1
25	Cross Recessed Countersunk Head Screw	1
26	Locking Nose	1
27	Window Cover	2



PRE-INSTALLATION INSPECTION

1. Inspect for Shipping Damage

Visually inspect the entire assembly, including the Body (Item 13) and top section, for any cracks, dents, or damage sustained during transit. Check that the Window Glass (Item 9) is intact.

2. Verify External Hardware

Confirm that all external fasteners, such as the Hex Cap Screw (Item 3) and Hex Nut (Item 4), are secure and have not loosened during shipment. Ensure the Locking Wrench (Item 1) is present and undamaged.

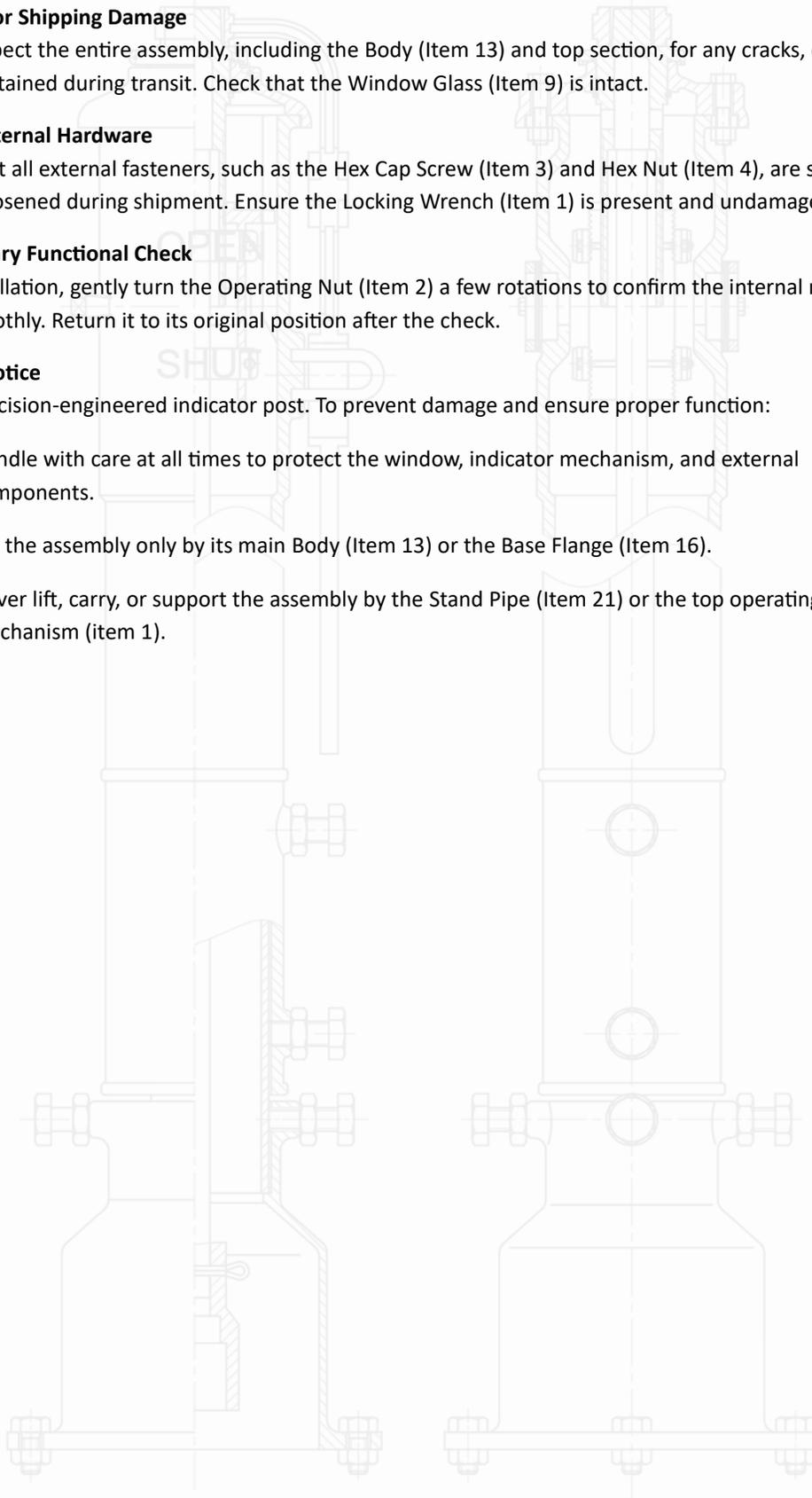
3. Preliminary Functional Check

Before installation, gently turn the Operating Nut (Item 2) a few rotations to confirm the internal mechanism moves smoothly. Return it to its original position after the check.

Handling Notice

This is a precision-engineered indicator post. To prevent damage and ensure proper function:

- Handle with care at all times to protect the window, indicator mechanism, and external components.
- Lift the assembly only by its main Body (Item 13) or the Base Flange (Item 16).
- Never lift, carry, or support the assembly by the Stand Pipe (Item 21) or the top operating mechanism (item 1).



INSTALLATION GUIDELINES

1. Preliminary Disassembly

Before connecting to the valve, partially disassemble the post:

- Remove the Locking Wrench (Item 1).
- Loosen the Hex Cap Screw (Item 3) and Hex Nut (Item 4) and set aside the complete top assembly.
- Loosen the bolts (Item 14 & 15) connecting the main Body (Item 13), Stand Pipe (Item 21), and Base Flange (Item 16).

2. Mount the Base Flange

Preliminary requirement: Ensure the underground gate valve is in the fully open position.

- Attach the Base Flange (Item 16) of the indicator post to the post flange of the gate valve using the four specified mounting bolts (Item 17 & 18).

3. Adjust for Bury Depth

- Reassemble the Stand Pipe (Item 21) and Body (Item 13). Adjust their height until the "GROUND LINE" mark on the post aligns with the finished grade.
- Fully tighten all the hardware to lock the height in place.

4. Adjust the Square Stem

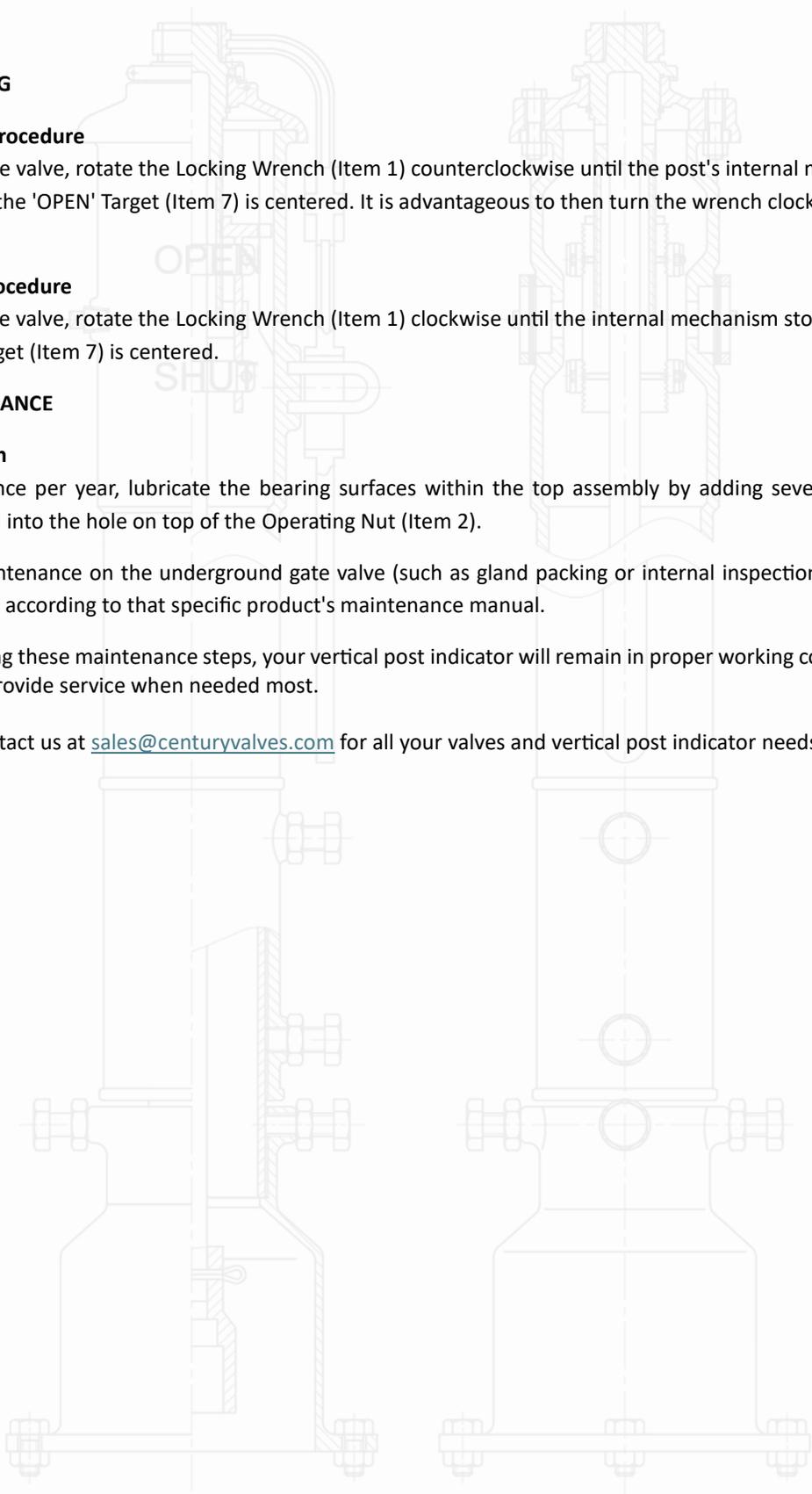
- Calculate and, if necessary, cut the square Stem (Item 22) to the required length based on the final bury depth. Ensure the cut end is free of burrs.
- Lower the Stem (Item 22) through the post to engage the operating nut of the gate valve.

5. Adjust the Indicator Targets

- With the gate valve fully open, adjust the 'OPEN' Target (Item 7) so it is centered in the window.
- Position the 'SHUT' Target (Item 7) at the correct distance below the 'OPEN' plate, corresponding to the gate valve's size.
- Secure both plates to the Target Carrier Nut (Item 6).

6. Final Assembly and Testing

- Reinstall the complete top assembly onto the Body (Item 13) and secure it with the Hex Cap Screw (Item 3) and Hex Nut (Item 4).
- Test: Cycle the valve from fully open to fully closed using the Locking Wrench (Item 1). Confirm that the 'OPEN' and 'SHUT' targets align perfectly in the window at each position. Readjust if necessary.



OPERATING

Opening Procedure

To open the valve, rotate the Locking Wrench (Item 1) counterclockwise until the post's internal mechanism stops and the 'OPEN' Target (Item 7) is centered. It is advantageous to then turn the wrench clockwise one-half turn.

Closing Procedure

To close the valve, rotate the Locking Wrench (Item 1) clockwise until the internal mechanism stops and the 'SHUT' Target (Item 7) is centered.

MAINTAINANCE

Lubrication

At least once per year, lubricate the bearing surfaces within the top assembly by adding several drops of suitable oil into the hole on top of the Operating Nut (Item 2).

Note: Maintenance on the underground gate valve (such as gland packing or internal inspection) should be performed according to that specific product's maintenance manual.

By following these maintenance steps, your vertical post indicator will remain in proper working condition and ready to provide service when needed most.

Please contact us at sales@centuryvalves.com for all your valves and vertical post indicator needs.