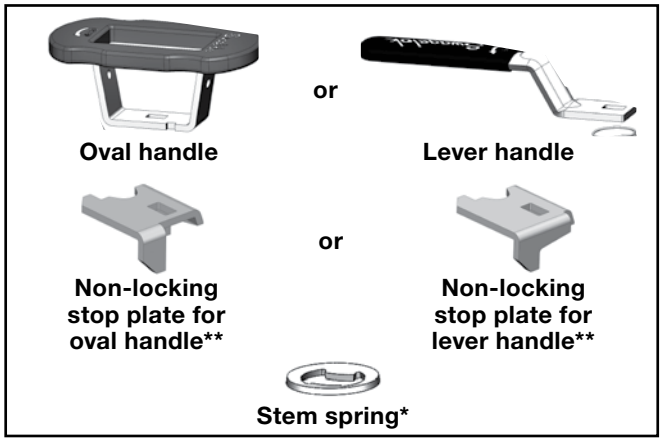
GB and 60 Series Ball Valve

Standard Handle Assembly

Tools Required

Part	Size	Tool
Crow's foot adapter	9/16 in. for 8GB 3/4 in. for 16GB 7/16 in. for 62 9/16 in. for 63 3/4 in. for 65 15/16 in. for 67, 68	
Torque wrench	capable of 200 in.·lb (22.6 N·m)	

Kit Contents



* The 62 Series kits do not contain a stem spring.

** The stop plate is integral with the oval/lever handle on the 62 series.

⚠ WARNING

Before removing the valve from service, to avoid personal injury, you must:

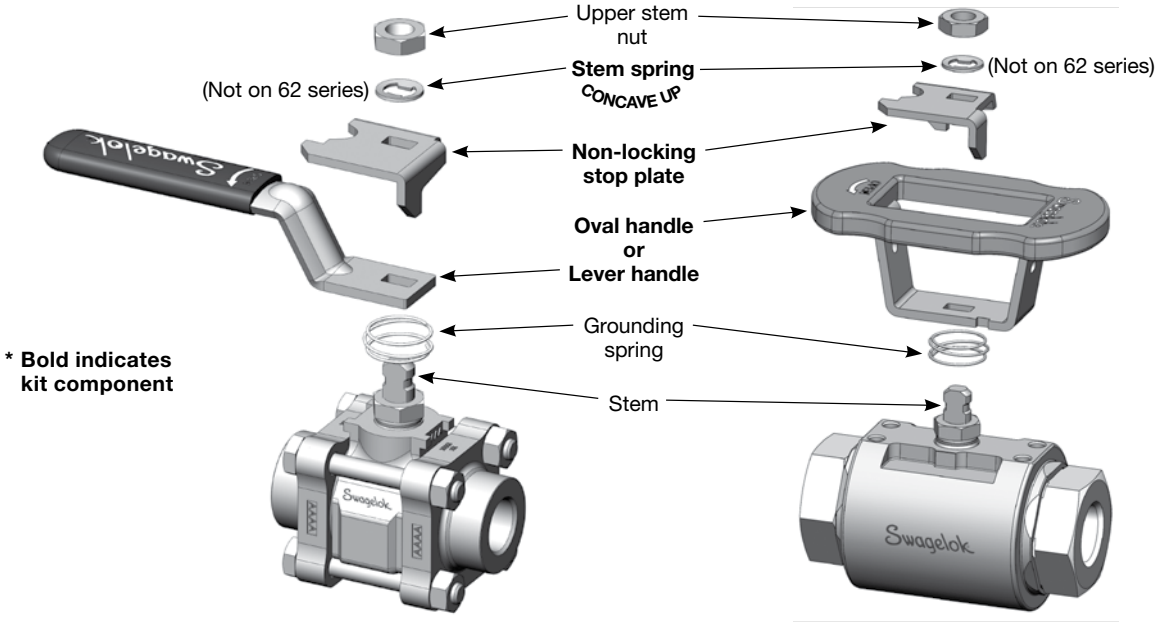
- **Depressurize the system**
- **Cycle the valve**
- **Purge system to remove any residual system media left in valve**

⚠ CAUTION

The fire series ball valves are not not bidirectional. While the handle orientation can be reassembled and rotated 180° from the factory-assembled state, flow through the valve must be in the direction of the valve flow arrow for fire series A60, A8GB, and A16GB. Improper installation will cause seat leakage.

Instructions for Standard Handle (Non-Locking)

1. Remove the following (if present): **upper stem nut**, **stem spring**, **stop plate**, and **handle**.
   Note: Do not remove the **grounding spring**.
   Note: For 8GB valves that are factory-assembled with a flat handle washer instead of a stem spring, the flat washer must be reused to ensure proper thread engagement.
2. Assemble the **grounding spring**, **handle**, **non-locking stop plate**, **stem spring** (concave side up), and **upper stem nut**.
   Note: For 62 series valves, there is no **stem spring** and the **stop plate** is integral with the **oval/lever handle**.
3. Torque the **upper stem nut** according to tables found on the next page.



Shown: 63 Series Valve with Lever Handle

Shown: 8GB Series Valve with Oval Handle

60 Series Extended Oval Handle Assembly Instructions

Note: These instructions assist in converting a 60 series ball valve with a lever handle to a 60 series ball valve with an **extended oval handle**.

⚠ WARNING

Before removing the valve from service, to avoid personal injury, you must:

- **Depressurize the system**
- **Cycle the valve**
- **Purge system to remove any residual system media left in valve**

1. Using a wrench, remove the stem nut, stem springs, stop plate, and lever handle.
   Note: Do not remove the **grounding spring**.
   Note: For three-way valves, note the direction of the arrow on the handle sleeve.
2. 63 series only: Place extended handle positioner plate on stem. Skip to step 4.
3. Place the **stem spring(s)** on **stem**.
   Note: Stem spring position – 65 thru 68 series, first stem spring concave side down and the second stem spring concave side up.
4. Place the **extended oval handle** onto the stem.
   Note: The arrow on the oval handle sleeve must point in the same direction noted in step 1 to indicate proper direction of valve flow..
   Note: For 63 series, if **extended oval handle** does not sit flush on positioner plate, the plate needs to be removed, turned 180° and reassembled.
5. Insert the **bolt** through the hole in the center of the handle.
6. Torque **bolt** according to the tables found below.

60 Series Valve Torque Values

Valve Series	Required Torque in.·lb (N·m)
62	25 (2.8)
63	50 (5.7)
65	100 (11.3)
67	150 (16.9)
68	150 (16.9)

Fire Series	Required Torque in.·lb (N·m)
A62	—
A63	75 (8.5)
A65	150 (16.9)
A67	200 (22.6)
A68	200 (22.6)

GB Series Valve Torque Values

GB Valve Type	Required Torque in.·lb (N·m)
8GB	75 (8.5)
A8GB	75 (8.5)
16GB	100 (11.3)
A16GB	150 (16.9)

Kit Contents

Extended Oval Handle
(stop plate is integral with handle)

Bolt

Stem Springs*
(2 pcs. for 65 thru 68 series)
*62 series kits do not contain stem springs.
63 series uses extended handle positioner plate in place of stem springs.

Extended Handle Positioner Plate
(63 series only)

Note: For converting a 60 series ball valve with a lever handle to a 60 series ball valve with an **oval handle**, refer to the instructions on the previous page.

*For additional information, see **www.swagelok.com**.*

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