WARRANTY AND DISCLAIMER: We warrant Akron Brass products for a period of five (5) years after purchase against defects in materials or workmanship. Akron Brass will repair or replace product which fails to satisfy these warranties. All decisions relating to the repair or replacement of the product shall be at the discretion of Akron Brass. Products must be promptly returned to Akron Brass for warranty service.

We will not be responsible for: wear and tear; any improper installation, use, maintenance or storage; negligence of the owner or user; repair or modification after delivery; damage; failure to follow our instructions; failure to follow the directions in this brochure; or any loss of profits) from any cause whatsoever. No person has authority to change this warranty.

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FIELD SERVICE KIT INSTRUCTIONS

DISASSEMBLY

1. Turn the valve ball to the open position.
   Note: If the Valve Handle needs to be removed, the position of the Handle and Stop Plate should first be noted before disassembly.

2. This Valve is designed to “Swing Out” for easy repair.
   In order to swing the Valve, loosen the 4 sets of Adapter Bolts (18), then remove 3 Bolt sets and rotate the Valve for easy repair.
   If the Valve cannot be rotated, remove the 4th set of Adapter Bolts.

3. Remove the 2 Seats (20) from the Valve Body (21). It may be necessary to partially close the Ball to grasp the lip of the Seat to remove.

ITEM NO.  DESCRIPTION  8810
1  Handle Bolt  761067
2  Handle Washer  784008
3  Handle*  
4  Stop Plate  742074
5  Trunnion Plate Screws  765028 (4)
6  Handle O-Ring  757009
7  Trunnion Retaining Plate  742075
8  Handle Trunnion  772091
9  Tork-Lok Spring  768116
10  Ball Trunnion  773147
11  Retaining Ring  780153
12  Trunnion O-Ring  757042
15  Threaded Trunnion O-Ring  757175
16  Threaded Trunnion  773122
17  Complete Adapters  *
18  Adapter Bolts (8)  761074
19  Ball  119796
20  Seats (2)  769563
21  Valve Body  106311
22  TS Handle Rod — 5”  109148
23  TS Handle Ball  703080
24  TS Handle Hub  104978
25  TS Handle Cover N/A
26  Spacer Handle  769411

*See current Catalog for complete listing handles and adapters.
4. Remove the Threaded Trunnion (16).
5. With the Valve in the open position, remove the Ball (19). Clean the Ball with soap and water and inspect for scratches, severe scratches exist the Ball should be replaced.
6. Remove the Ball Trunnion only if leakage has been detected in this area. To remove the Ball Trunnion (15), first remove the Handle Bolt (1), Washer (2), Handle (3), Stop Plate (4) and Handle O-ring (6).
7. Note the position of the Trunnion Retaining Plate (7), then remove the Trunnion Retaining Plate Screws (5).
8. Remove the Trunnion Retaining Plate Assembly which includes the Trunnion Retaining Plate (7), Spring (9) and Handle Trunnion (8).
9. Remove the Ball Trunnion (10) by pushing it from the inside of the valve.

REASSEMBLY
1. Lubricate the O-rings with Parker O-Ring Lubricant or Silicone lubricant. Be sure not to place any lubricant on the Seats or Ball, as this will collect dirt that may cause excess wear.
2. Replace the O-ring (12) on the Ball Trunnion (10) and reinstall the Trunnion in the Valve Body.
3. Replace the Trunnion Retaining Plate (7) and install the Trunnion Plate Screws (5).
4. Install the Handle O-ring (6).
5. Position the Handle in the proper position, apply a small amount of Loc-Tite 222, or equivalent, to the Handle Bolt (1) and install the Handle Bolt and the Handle Washer (2).
6. Install the new O-ring (15) on the Threaded Trunnion (16).
7. Rotate the Handle so the flats on the sides of the Ball Trunnion (10) are parallel to the waterway.
8. Reinstall the Ball (19) over the Ball Trunnion (10) and hold it in position.
9. Install the Threaded Trunnion (16) so it fits in the hole of the Ball. Tighten the Trunnion.
10. Place the new Seats (20) into the recess on either side of the Valve Body (21).
11. Swing the Valve Body back in line. Loosely install the Adapter Bolts (18).
12. Turn the Ball to the closed position. Note: The Ball must be in the closed position before the Adapter Bolts can be tightened.
13. Tighten the Adapter Bolts evenly in an “X” pattern using 100 to 120 inch pounds torque.

DO NOT OVER TIGHTEN

14. Operate the Valve and inspect for leaks.

OPERATING AND MAINTENANCE INSTRUCTIONS
Always open and close valves slowly to minimize the effects of water hammer. Occasionally, flow water through all valves to clear dirt and debris. Do not exceed 1000 psi with 1” valves.