



## Style 9208 - 1" Field Service Kits for:

- 8810
- 1" Valves with Metal Balls
- And
- 8910
- 1" Valves with Composite Balls

Since typical repairs do not require replacement of the metal ball, the ball is not included in this kit. If required, the ball can be ordered separately or a repair kit, including the ball, can be ordered.

For ordering information - See notes below  
reassembly instructions.



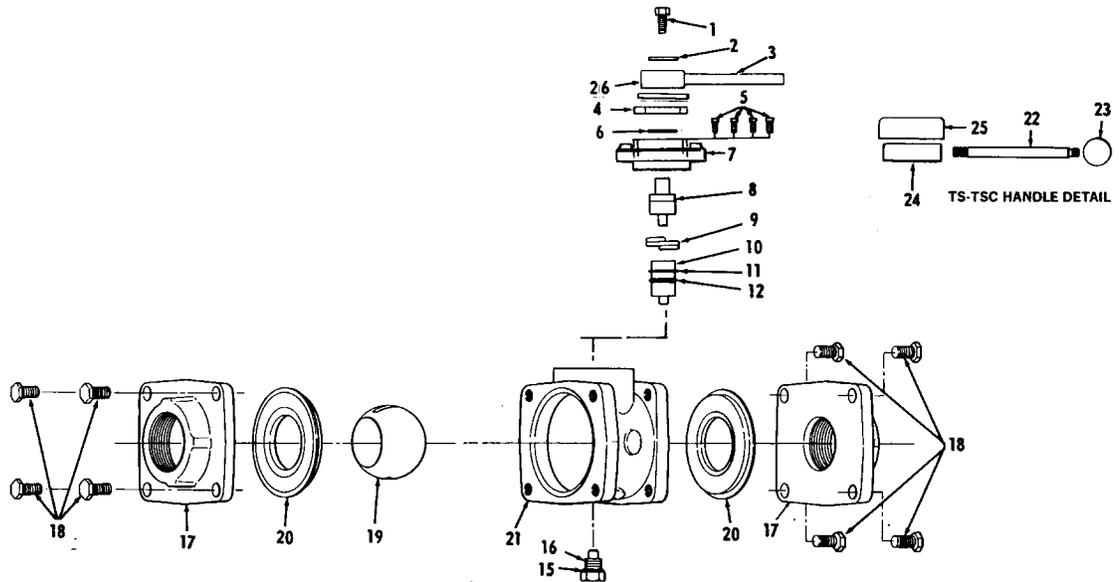
ISO 9001 REGISTERED COMPANY

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ITEM NO.	DESCRIPTION	8810 Separate Stop Plate
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	758153
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.

## 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.

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.