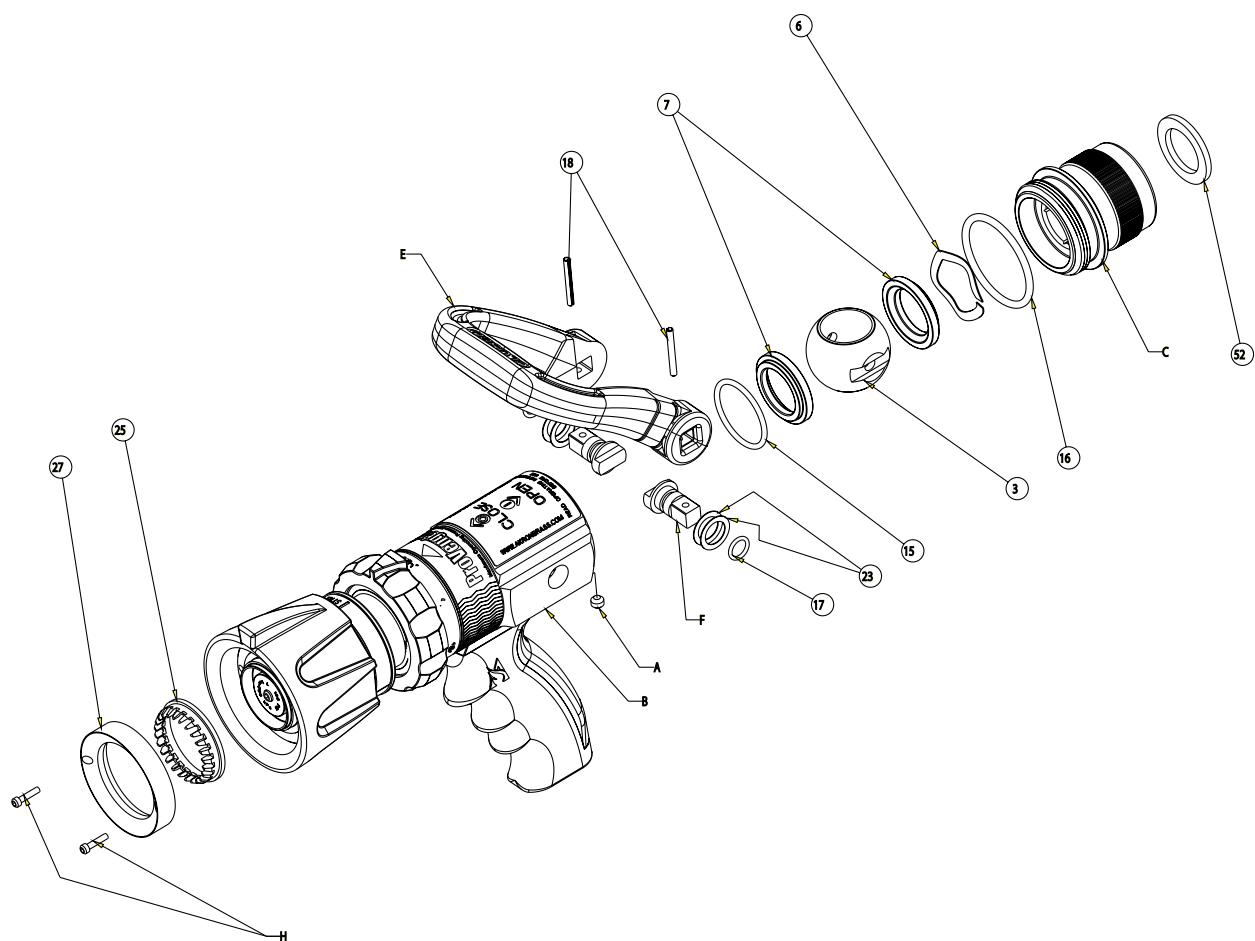


Style 9112 Field Service Kit for 1602, 4102



ITEM NO.	DESCRIPTION	PART NO.	QTY.
3	BALL 1"	704490	1
6	SPRING	768272	1
7	SEAT NOZZLE	769245	2
15	O-RING 2-125	757281	1
16	O-RING 2-225	757375	1
17	O-RING 2-012	757282	2
18	ROLL PIN	744080	2
23	SHIM	769351	4
25	TURBINE TEETH	772024*	1
27	RETAINING RING	756207	1
52	GASKET	717047	1

PARTS INCLUDED IN THIS KIT ARE ALL THAT ARE NORMALLY REQUIRED TO REPAIR LEAKS IN THE SHUTOFF AREA. IF ADDITIONAL NOZZLE COMPONENTS ARE REQUIRED, CONTACT AKRON BRASS FOR THE APPROPRIATE SERVICE BULLETIN OR RETURN THE NOZZLE TO OUR FACTORY. AKRON BRASS CO. 343 VENTURE BLVD., WOOSTER OHIO 44691.

* TURBINE TEETH ARE NOT TO BE SPLIT.

FIELD SERVICE KIT INSTRUCTIONS

DISASSEMBLY

1. Remove the swivel gasket (52).
2. Remove the set screw (A) at the swivel end of the shut-off body (B). It will require a $\frac{1}{8}$ " Allen wrench for a $\frac{1}{4}$ " 20 screw.
3. For Styles 1602 and 4102, insert a tool $\frac{3}{4}$ " square, (for 1" swivel adapter), into the grooves in the swivel adapter (C) and remove (counterclockwise).
4. Remove the O-Ring (16) from the inlet adapter (C).
5. Remove the seat and spring (7 and 6) from the inlet adapter (C).
6. Turn the handle (E) into the closed position and remove the ball (3).
7. Mark the end of the trunnions (F) and handle so they can be reassembled in exactly the same position. (Use chalk, grease pencil, etc.).
8. Take the rivet supplied in the service parts kit and drive out the roll pins (18) securing the handle to the trunnions.
9. Push the trunnions into the shutoff body until they are free. Remove the handle and trunnions.
10. Remove the O-Rings and shims (17 and 23) from the trunnions.
11. Remove the front seat and O-Ring (7 and 15). The new seats must be installed with an O-Ring.
12. Remove the two screws (H) on the turbine retaining ring with a $\frac{3}{32}$ " or $\frac{7}{64}$ " Allen wrench.
13. Remove the turbine retaining ring (27).
14. Remove the turbine teeth (25).

ASSEMBLY

NOTE: All O-Rings must be lubricated with O-Ring grease before assembly.

1. Install the new O-Rings (15) on the new seats (7).
2. Insert one new seat with O-Ring into the shutoff body (B).
3. Install the new O-Rings (17) and shims (23) on the trunnions (F).
4. Place the handle (E) over the trunnions holes with the "closed" lettering facing the inlet.
5. Install the trunnions from inside the shutoff body, using the marks (Disassembly Step 7) to position properly.
6. Install the new roll pins (18) to secure the handle to the trunnions.
7. Turn the handle into the closed position and insert the new ball (3).
8. Install the other new seat with spring (6) into the recess of the inlet adapter (C).
9. Install the new O-Ring (16) in the shutoff body recess.
10. With the handle in the closed position, thread the inlet adapter into the shutoff body. (Continue tightening until resistance is felt when opening and closing the shutoff.)
11. Install the new swivel gasket (52).
12. Install the new turbine teeth (25).
13. Line up screw holes with the holes in the nozzle body and place the turbine retaining ring (27) back into position.
14. Install and tighten the screws (H) which secure the retaining ring.
15. Test the nozzle with water to determine if the shutoff functions properly. If a small leak is present, tighten the swivel adapter slightly to eliminate the leak.
16. Once the shutoff functions properly, observe the swivel adapter through the set screw hole in the shutoff body. If a full thread is visible, drill a slight recess for the set screw (using a $\frac{3}{16}$ " drill bit). Install and tighten the set screw (A).



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