



STYLE 9178

FIELD SERVICE KIT

FOR:

- 4712 1" Assault w/Pistol Grip
- 4713 1" Assault
- 4715 1-1/2" Assault
- 4720 1-1/2" Assault w/Pistol Grip
- 4812 1" Assault w/Pistol Grip
- 4813 1" Assault
- 4815 1-1/2" Assault
- 4820 1-1/2" Assault w/Pistol Grip

PHONE: 330.264.5678 or 800.228.1161 | FAX: 330.264.2944 or
800.531.7335 | akronbrass.com REVISED: 6/11

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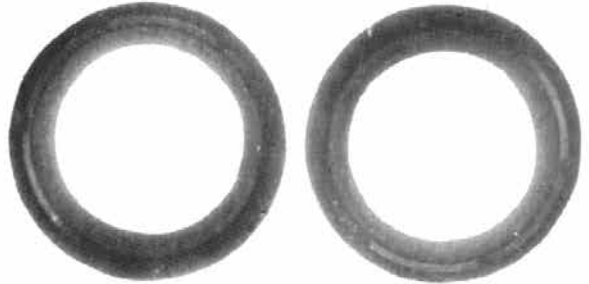
Tested... Proven... Trusted.

ISO 9001 REGISTERED COMPANY

Item No. 1
Molded Teeth
or
Turbine Teeth



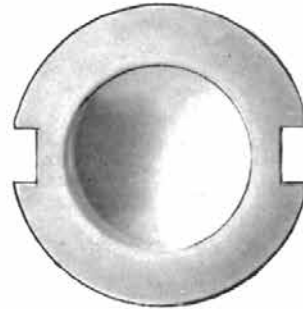
Item No. 4
PN 7-09-245
Seat (2)



Item No. 8
PN 7-44-080
Roll Pin (2)



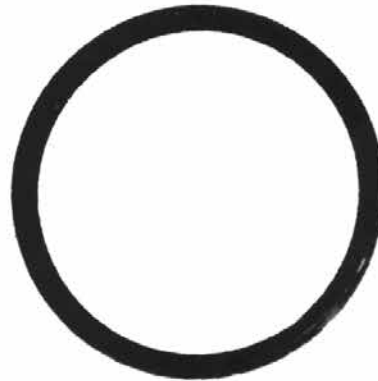
Item No. 5
PN 704029
Shutoff Ball



Rivet
PN 7-54-003
USE TO DRIVE OUT ROLL PINS
IN HANDLE TRUNNIONS



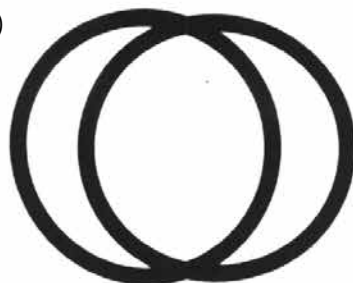
Item No. 6
PN 7-57-267
O-Ring
Inlet Adapter



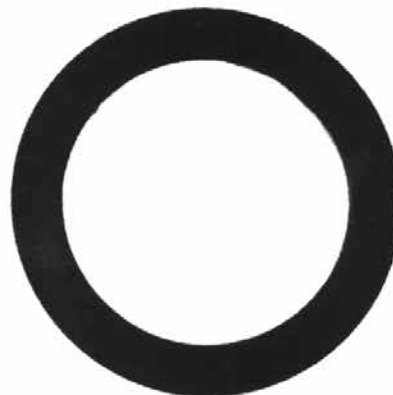
Item No. 2
PN 757269
O-Ring (2)
Handle Trunnions



Item No. 3
PN 757422
O-Ring (2)



Item No. 7
PN 7-17-042
1-1/2" Swivel Gasket



PN 7-17-047
1" Swivel Gasket
(Not Shown)

DISASSEMBLY

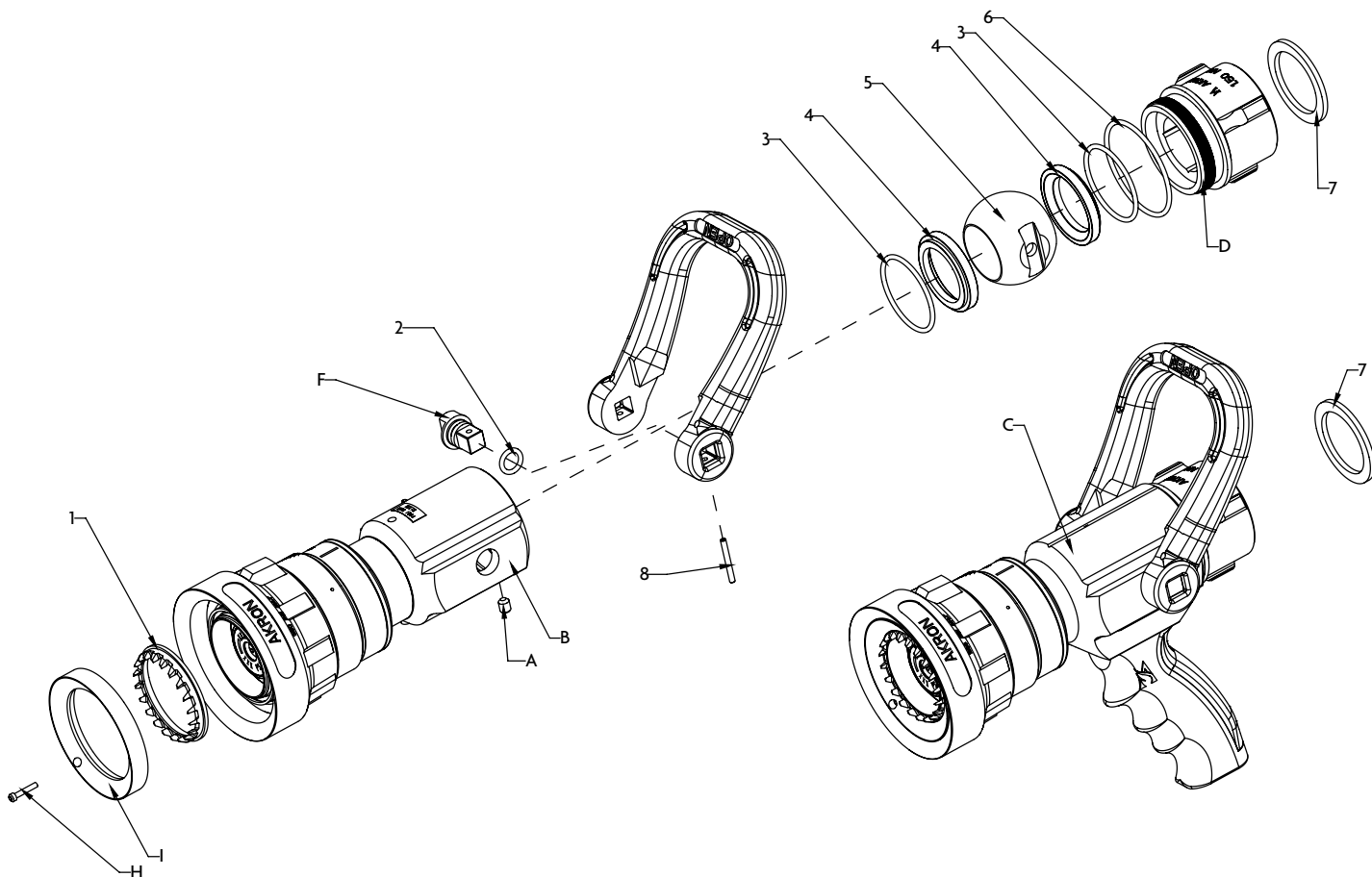
1. Remove the swivel gasket (7).
2. Remove the set screw (A) at the swivel end of the shutoff body (B) with a 1/8" Allen wrench.
3. Insert a tool 13/16" square (for styles 4812, 4813 .740" square) into the grooves in the swivel adapter (D) and remove (counterclockwise).
4. Remove the O-Ring (6) from the inlet adapter (C or D).
5. Remove the seat and O-Ring (4 and 3) from the inlet adapter (C or D).
6. Turn the handle (E) into the open position and remove the ball (5).
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 (8) 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 (2) from the trunnions.
11. Remove the front seat and O-Ring (4 and 3). Depending on the age of the nozzle the seat may not have an O-Ring. The new seats must be installed with an O-Ring.
12. Remove the two set screws (H) on the turbine retaining ring (I) with a 3/32" Allen wrench.
13. Remove the turbine retaining ring.
14. Remove the turbine teeth (1).

REASSEMBLY

NOTE: All O-Rings must be lubricated with Parker-O-Lube or equivalent before assembly.

1. Install the new O-Rings (3) on the new seats (4).
2. Insert one new seat with O-Ring into the shutoff body (B).
3. Install the new O-Rings (2) 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 roll pins (8) to secure the handle to the trunnions.
7. Turn the handle into the open position and insert the new ball (5).
8. Install the other new seat with O-Ring into the recess of the inlet adapter (D), or pistol grip (C).
9. Install the new O-Ring (6) in the shutoff body recess.
10. With the handle in the closed position, thread the swivel adapter into the shutoff body.
NOTE: Continue tightening until resistance is felt when opening and closing the shutoff.
11. Install the new swivel gasket (7).
12. Install the new turbine teeth (1).
13. Line up screw holes with the holes in the nozzle body and place the turbine retaining ring (I) back into position.
14. Apply Loctite 222 or equivalent to set screws (H) and install and tighten.
15. Test the nozzle with water to determine if the shutoff functions properly. If a small leak is present, tighten the inlet adapter slightly to eliminate the leak.
16. Once the shutoff functions properly, observe the inlet adapter through the set screw hole in the shutoff body. If a full thread is visible, drill a slight recess for the set screw (A) (with a 3/16 drill bit). Apply Loctite 222 or equivalent to the set screw and install and tighten.

Style 9178 Field Service Kit



| ITEM NO. | DESCRIPTION | PART NO. | QTY |
|----------|---------------|----------|-----|
| 1 | Turbine Teeth | 172153 | 1 |
| 1 | Molded Teeth | 758206 | 1 |
| 2 | O-Ring (2) | 757282 | 2 |
| 3 | O-Ring (2) | 757281 | 2 |
| 4 | Seat (2) | 769245 | 2 |
| 5 | Ball | 704029 | 1 |
| 6 | O-Ring | 757265 | 1 |
| 7 | Gasket 1 1/2" | 717042 | 1 |
| 7 | Gasket 1" | 717042 | 1 |
| 8 | Roll Pin (2) | 744080 | 1 |

Parts included in this kit are normally all that are required to repair leaks in the shutoff area. If additional nozzle components are required, contact Akron Brass for the appropriate technical service bulletin or return the nozzle to our factory: Akron Brass Co., Old Mansfield Rd., Wooster, Ohio 44691 or Akron Manufacturing Co., P.O. Box 280, Aylmer, Ontario N5H 2R9.