110128
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. However, Akron Brass reserves the right to determine the extent of any warranty repair or replacement, and the cost of any repair or replacement 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 or warnings; or any other condition beyond our control. This warranty is in lieu of all other warranties, expressed or implied. In no event shall Akron Brass be liable for any consequential, incidental, direct, or special damages (including, without limitation, any loss of profits) from any cause whatsoever. No person has authority to change this warranty.

REvISED: 6/11

PHONE: 330.264.5678 or 800.228.1161  I  FAX: 330.264.2944 or 800.531.7335  I  akronbrass.com

ISO 9001 REGISTERED COMPANY

© Akron Brass Company. 2011 All rights reserved. No portion of this can be reproduced without the express written consent of Akron Brass Company.

Style 9178 Field Service Kit

FOR:

1-1/2" Assault w/Pistol Grip
1-1/2" Assault
1" Assault
1" Assault w/Pistol Grip
1" Assault w/Pistol Grip
1-1/2" Assault w/Pistol Grip
1-1/2" Assault
1" Assault
1" Assault w/Pistol Grip

STYLF 9178
USE THESE ILLUSTRATIONS TO IDENTIFY THE VARIOUS PARTS IN THIS KIT

**Item No. 1**
Molded Teeth or Turbine Teeth

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

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

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

**Item No. 5**
PN 704029
Shutoff Ball

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

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

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

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

**Item No. 7**
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 (I).

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 (I).
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

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.

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>PART NO.</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Turbine Teeth</td>
<td>172153</td>
<td>1</td>
</tr>
<tr>
<td>1</td>
<td>Molded Teeth</td>
<td>758206</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>O-Ring (2)</td>
<td>757282</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>O-Ring (2)</td>
<td>757281</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>Seat (2)</td>
<td>769245</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>Ball</td>
<td>704029</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>O-Ring</td>
<td>757265</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>Gasket 1 1/2&quot;</td>
<td>717042</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>Gasket 1&quot;</td>
<td>717042</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>Roll Pin (2)</td>
<td>744080</td>
<td>1</td>
</tr>
</tbody>
</table>