Style 9110
Field Service Kit for Turbojet® Nozzles

1722, 1729 2½" with 1½" Thread
1722P, 1729P 2½" with 1½" Thread (Pyrolite®)
1723P 2½" with Pistol Grip and 1½" Thread (Pyrolite)
1725 2½" with Pistol Grip
1725P 2½" (Pyrolite)

Akromatic® II Nozzles
5225 2½"
5226 2½" with 1½" Thread
5227 2½" with Pistol Grip
5228 2½" with Pistol Grip and 1½" Thread
5235 2½"
5236 2½" with 1½" Thread
5237 2½" with Pistol Grip
5238 2½" with Pistol Grip and 1½" Thread

Marauder® Nozzles
4625 2½"
4626 2½" with Pistol Grip
4629 2½" with 1½" Thread
4630 2½" with Pistol Grip and 1½" Thread

Phone: 330.264.5678 or 800.228.1161  Fax: 330.264.2944 or 800.531.7335  akronbrass.com
Style 9110
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.

*Turbine Teeth are not to be split.

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>PART NO.</th>
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<tbody>
<tr>
<td>1</td>
<td>Turbine Teeth (Turbojet &amp; Marauder)</td>
<td>7-72-025</td>
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<tr>
<td>1</td>
<td>Turbine Teeth (Akromatic)</td>
<td>7-72-119</td>
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<tr>
<td>1</td>
<td>Turbine Teeth* (2½” Turbojets)</td>
<td>7-72-149</td>
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<tr>
<td>2</td>
<td>O-Ring (2)</td>
<td>7-57-269</td>
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<tr>
<td>3</td>
<td>Roll Pin (2)</td>
<td>7-44-062</td>
</tr>
<tr>
<td>4</td>
<td>O-Ring (2)</td>
<td>7-57-268</td>
</tr>
<tr>
<td>5</td>
<td>Seat (2)</td>
<td>7-69-243</td>
</tr>
<tr>
<td>6</td>
<td>Ball</td>
<td>7-04-029</td>
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<tr>
<td>7</td>
<td>O-Ring</td>
<td>7-57-265</td>
</tr>
<tr>
<td>8</td>
<td>1½” Gasket</td>
<td>7-17-042</td>
</tr>
<tr>
<td>9</td>
<td>2½” Gasket</td>
<td>7-17-043</td>
</tr>
</tbody>
</table>
USE THESE ILLUSTRATIONS TO IDENTIFY THE VARIOUS PARTS IN THIS KIT

Item No. 1
PN 7-72-152
or
7-72-151
or
7-72-149
Turbine Teeth

Item No. 2
PN 7-57-269
O-Ring (2)
Handle Trunnion

Item No. 3
PN 7-44-062
Roll Pin (2)

Item No. 4
PN 7-57-268
O-Ring Seat (2)

Item No. 5
PN 7-69-243
Seat (2)

Item No. 6
PN 7-04-029
Ball

Item No. 7
PN 7-57-265
O-Ring
Inlet Adapter

Item No. 8
PN 7-17-042
Swivel Gasket 1\(\frac{1}{2}\)"

Item No. 9
PN 7-17-043
Swivel Gasket 2\(\frac{1}{2}\)"

Rivet
PN 7-54-003
USE TO DRIVE OUT ROLL PINS IN HANDLE TRUNNIONS
FIELD SERVICE KIT INSTRUCTIONS

DISASSEMBLY

1. Remove the swivel gasket (8 or 9).
2. Remove the set screw (A) at the swivel end of the shut-off body (B). Depending on the age of the nozzle, it will require a 1/8” Allen wrench (for a 1/4-20 screw) or a 3/32” Allen wrench (for a 10-24 screw).
3. a) For Styles 1725, 1725P, 4625, 4626, 5225, 5227, 5235, and 5237 insert a square tool 1/16” square (for a 2 1/2” swivel adapter) into the grooves in the swivel adapter (D) and remove (counterclockwise).

b) For Styles 1722, 1722P, 1723P, 1729, 1729P, 4629, 4630, 5226, 5228, 5236, and 5238, insert a tool 13/16” square, (for 1 1/2” swivel adapter), into the grooves in the swivel adapter (C) and remove (counterclockwise).
4. Remove the O-Ring (7) from the inlet adapter (C or D).
5. Remove the seat and O-Ring (4 and 5) from the inlet adapter (C or D).

NOTE: Any plastic spacer ring(s) must remain in the swivel adapter recess under the seat and O-Ring for proper reassembly.
6. Turn the handle (E) into the open position and remove the ball (6).
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 (3) securing the handle to the trunnions.
9. Push the trunnions into the shut-off 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 5). 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” or 7/64” Allen wrench.
13. Remove the turbine retaining ring (I).
14. Remove the turbine teeth (I).

NOTE: All O-Rings must be lubricated with O-Ring grease before assembly.
10. With the handle in the closed position, thread the inlet adapter into the shut-off body. (Continue tightening until resistance is felt when opening and closing the shut-off.)
11. Install the new swivel gasket (8 or 9).
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. Install and tighten the set screws (H) which secure the retaining ring.
15. Test the nozzle with water to determine if the shut-off functions properly. If a small leak is present, tighten the swivel adapter slightly to eliminate the leak.
16. Once the shut-off functions properly, observe the swivel adapter through the set screw hole in the shut-off body. If a full thread is visible, drill a slight recess for the set screw (for a 10-24 set screw, use a #25 drill bit; for a 1/4-20 use a 3/32” drill bit). Install and tighten the set screw (A).