



**STYLE 9105  
FIELD SERVICE KIT  
FOR:**

**1711 1.5" TURBOJET TIP**



**Tested... Proven... Trusted.**

ISO 9001 REGISTERED COMPANY

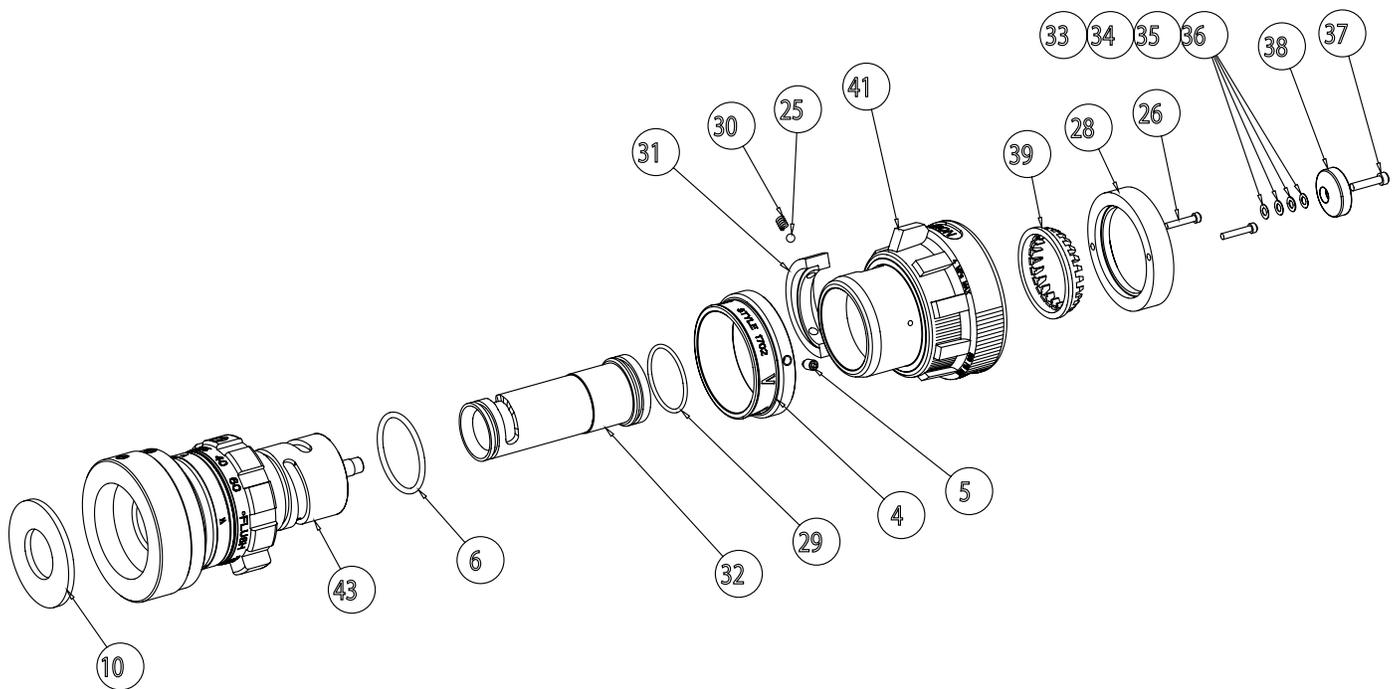
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# Style 9105 Field Service Kit



USE PARKER O-LUBE ON ALL O-RINGS AND ALL MATING SURFACES

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.

## **DISASSEMBLY**

### Baffle Removal

1. Remove the baffle screw (37) using a 5/32" hex wrench. Keep the colored shims (33-36) with the baffle (38) for installation.

### Spinning Teeth Removal

2. Use a 3/32" hex to remove the two retaining ring screws (26). The retaining ring (28) and the spinning teeth (39) can now be removed.

### Pattern Sleeve Removal

3. Remove the set screw (5) from the pattern ring (4). While slowly sliding the pattern ring back away from the discharge end of the nozzle, locate the detent spring holes.

WARNING: Detent springs (30) will discharge when the pattern ring uncovers the cam insert (31) holes. Make an effort to prohibit the detent springs from discharging.

Remove the detent balls (25) from the cam insert holes.

4. The cam insert (31) can be worked out by rotating the pattern sleeve to the ends of travel.
5. With the cam insert removed, the pattern sleeve (41) can be removed by sliding off the discharge end. The pattern ring can also be removed from the nozzle assembly.

## **REASSEMBLY**

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

1. Remove the old O-Ring (29) from the outlet end of the discharge tube (32) and install the new.
2. Remove the old O-Ring (6) from the nozzle body (43) and install the new.
3. Slide the pattern ring (4) followed by the pattern sleeve (41) onto the nozzle assembly.
4. Install the cam insert (31) flush with the OD of the pattern sleeve (41) by lining up the cam profile of the insert to the nozzle body (43).
5. Align cam insert holes (31) with the detents in the nozzle body and install the detent balls (25) followed by the detent springs (30) into the cam insert holes.
6. While depressing the detent springs, slide the pattern ring (4) toward the outlet; covering the cam insert.
7. Align the pattern ring (4) set screw hole to the alignment hole on the pattern sleeve (41) and install the set screw (5).
8. Install the new spinning teeth (39), retaining ring (28), and the two screws (26).
9. Install the shims (33-36), baffle (38), and baffle screw (37).
10. Remove the old gasket (10) from the inlet. Install new gasket (10).