



KEY	DESCRIPTION	KEY	DESCRIPTION
1	Pump Screws w/Washer & Ferrules	6	Bearing Cover
2	Upper Housing Assembly	7	Motor Assembly
3	Check Valve Assembly w/"O" Ring & Ferrules)	8	Motor Rear End Bell Assembly
4	Diaphragm w/Pistons & Screws	9	Fan/Shroud Assembly (If required)
5	Cam Bearing w/Set Screw	10	Base Plate/Grommet Assembly

SERVICE TIPS

DISASSEMBLY Remove four pump head screws (1). Rotate bearing cover (6) so drain notch is aligned with cam/bearing assembly set screw (11). Loosen set screw with 1/8" allen wrench and slide pump head off shaft. Always use complete FLOJET repair kits upon reassembly.

ASSEMBLY Install new single-piece outer piston (B) into lower housing (6) with piston tops pointing away from motor. Slightly bend outer piston (B) along premolded crease to aid assembly. Place diaphragm in lower housing (6) with the molded o-ring seals facing away from motor. Insert each inner piston (A) through diaphragm into outer piston. Turn each piston until fully seated. Align cam/bearing assembly (5) with outer piston (B). Secure with cam/piston screws using 18 inch pounds of torque. Reassemble lower housing (4, 5, 6) to motor. Set screw **MUST** be positioned over shaft indentation and secured tightly.

Reassemble pump upper housing (1, 2, 3). Check that ferrules are installed in upper housing and O-ring is properly seated before inserting check valve assembly (3) into upper housing (2). Align pump assembly to motor and tighten pump head screws evenly with 25 inch pounds of torque.

SERVICE KITS

Kits are readily available to repair standard Duplex II series pumps. To insure that the correct kits are received the model number and all name plate data must be included with the order. Contact a FLOJET distributor or FLOJET directly to order the necessary repair kits.

PRODUCT WARRANTY

Flojet warrants this product to be free of defects in material and/or workmanship for a period of one year after purchase by the customer from Flojet. During this one year warranty period, Flojet will at its option, at no charge to the customer, repair or replace this product if found defective, with a new or reconditioned product, but not to include costs of removal or installation. No product will be accepted for return without a return material authorization number. All return goods must be shipped with transportation charges prepaid. This is only a summary of our Limited Warranty. For a copy of our complete warranty, please request Form No. 100-101.

TROUBLESHOOTING

Failure to Prime - Motor operates, but no pump discharge

- Restricted intake or discharge line. Open all line valves, check for "jammed" check valves, and clean clogged lines.
- Air leak in intake line.
- Punctured pump diaphragm.
- Defective pump check valve.
- Crack in pump housing.
- Debris in check valves.

Motor Fails to Turn On

- Pump or equipment not plugged in electrically.
- Loose wiring connection.
- Pressure switch failure.
- Defective motor or rectifier.
- Frozen cam/bearing.

Pump Fails to Turn Off after Discharge valves are Closed

- Depletion of available liquid supply.
- Punctured pump diaphragm.
- Discharge line leak.
- Defective pressure switch.
- Insufficient voltage to pump.
- Debris in check valves.

Low Flow and Pressure

- Air leak at pump intake.
- Accumulation of debris inside pump and plumbing.
- Worn pump bearing (excessive noise).
- Punctured pump diaphragm.
- Defective rectifier or motor.
- Insufficient voltage to pump.

Pulsating Flow - Pump Cycling On and Off

- Restricted pump delivery. Check discharge lines, fittings, valves and spray nozzles for clogging or undersizing.

RETURN PROCEDURE

Prior to returning any product to Flojet, call customer service for an authorization number. This number must be written on the outside of the shipping package. Place a note inside the package with an explanation regarding the reason for return as well as the authorization number. Include your name, address and phone number.

FLOJET
a xylem brand

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