



KEY	DESCRIPTION	KEY	DESCRIPTION
1	Switch cover screws	4	Motor
2	Pump head screws	5	Lead wires
3	Pump head	6	Pressure switch

### Disassemble

#### Pump Head

1. Take precautioning to prevent injury due to chemical contact during maintenance.
2. Flush Pump with water or neutralizing agent before servicing if the pump has been used to transport chemicals.
3. Disconnect the power to the pump motor.
4. Remove the pressure switch cover by removing the single screw (1) from pressure switch and remove switch cover.
5. Remove wires (5) from pressure switch by gently sliding female spade terminals away from the male spade connectors.
6. Remove two screws (2) from front of pump head.
7. Slide pump head (3) away from motor (4) assembly.

### Reassembly

Pump head (3) to Motor (4)..

1. Assemble the pump head (3) to motor (4) aligning screws tabs.
2. Install screws (2) and tighten to 15 inch ounces of torque.
3. Reconnect wires (5) to pressure switch. Wires can be connected to either terminal of the pressure switch.
4. Install the pressure switch cover with screw (1).
5. Reconnect pump to liquid source.
6. Reconnect pump to power source.
7. Allow pump to prime with discharge line or spray valve open.
8. Check for leaks in discharge system.

## 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 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.

## Service Kits

Kits are readily available to repair standard FLO 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 us directly to order the necessary repair kits

## PRODUCT WARRANTY

We warrant this product to be free of defects in material and/or workmanship for a period of one year after purchase by the customer. During this one year warranty period, we will at our 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. All return goods must be shipped with transportation charges prepaid: