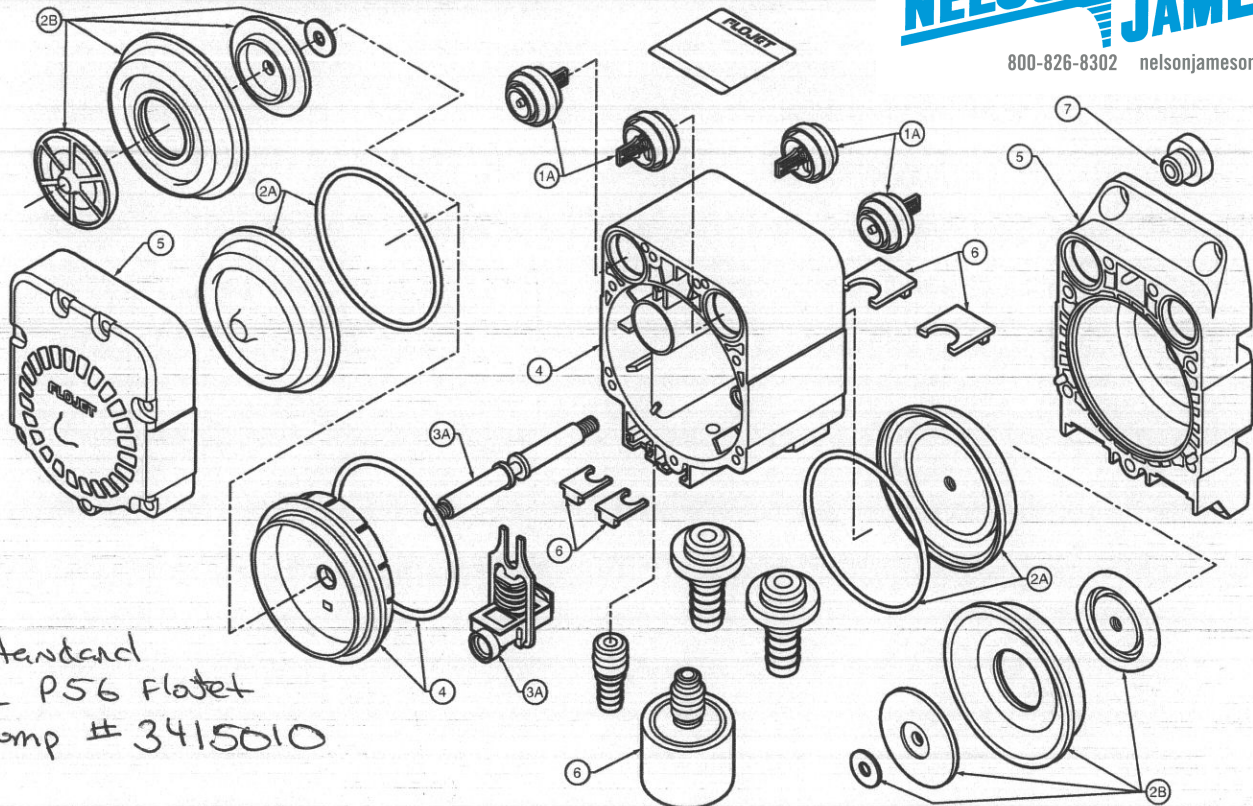


**EXPLODED VIEW**

\* = Standard  
 for P56 Flojet  
 Pump # 3415010

Key	Part No.	Description	Qty
* 1A	20740-050A	Kit, Check Valve, Assy., Santo®, Hastelloy	4
* 1B	20740-020A	Kit, Check Valve, Assy., Viton®, Hastelloy	4
* 2A	20730-000A	Kit, Diaphragm, Santo®, w/"O" rings	2
2B	21000-209	Kit, Diaphragm, Viton®	2
3A	20751-000A	Kit, Shaft & Slide Valve Assy. (Santo®)	2
3B	20751-002A	Kit, Shaft & Slide Valve Assy. (Viton®)	2
4	20896-000A	Kit, Flange & Housing Assy. w/"O" Ring	2
5	20753-000A	Kit End Caps	2

**DISASSEMBLY PROCEDURE**

First, remove all gas (air in) lines and suction/discharge fittings from the pump. This is accomplished by using a flat-bladed screwdriver to slide the retaining clips away from the gas (air in) and suction/discharge fittings and pulling the fittings away from the pump body. Now remove the muffler by sliding the retaining clip away from the muffler base and pulling the muffler out of the pump body.

Using a Phillips screw driver remove the seven (7) screws from the front end cap followed by the (7) screws from the rear end cap. With the front end cap facing up and the rear end cap facing down on the workbench, position a flat bladed screw driver into the slot located above the muffler port and just below the pad marked Air/CO<sub>2</sub> and lift off the front end cap. The rear end cap can be removed by placing the flat bladed screwdriver under the fully opened port retaining clip and lifting off.

Note the position of the suction and discharge valves before removing them from the pump body. The first diaphragm is removed from the pump shaft by unscrewing in a counter clockwise direction. The second diaphragm is removed by placing the flat tip of a screwdriver the exposed slot at the end of the pump shaft and unscrewing the diaphragm from the shaft. To remove the flange housing, place the tip of the flat bladed screw driver into the air bleed hole on the lower side of the flange housing and lift up the lower end separating the flange housing from the pump body.

The slide valve assembly and pump shaft can be removed by simply pulling them from the pump body. The pump shaft then can be removed from the slide valve yoke assembly.

Key	Part No.	Description	Qty
6	20793-100A	Kit Hardware - Includes	
		Screws #10x1.5" Hi Low	14
		Retainer Clip Small	2
		Retainer Clip Large	2
		Exhaust Port	1
		Exhaust Muffler	1
7	20132-000	Kit, Grommets	2

**REASSEMBLE PROCEDURE**

Assemble the slide valve and pump shaft with the yoke placed between the (2) bumpers on the pump shaft. Install the slide valve/pump shaft assembly into the pump body making sure the O-rings in the slide valve are in place. To install the flange housing, pre-lube the o-ring with Parker Super "O" Lube and install on flange housing and place housing over the pump body aligning the flange housing with the pump body ribs pressing it into place.

Install the first diaphragm and O-ring on to the pump shaft by threading on to shaft using a flat blade screwdriver to hold the pump shaft until the diaphragm is tight. Install the second diaphragm and O-ring on to the pump shaft turning clockwise until tight.

Install the suction valves with springs facing into the pump body and the discharge valves with the springs facing out. See arrows on pump rear end cap below suction and discharge ports.

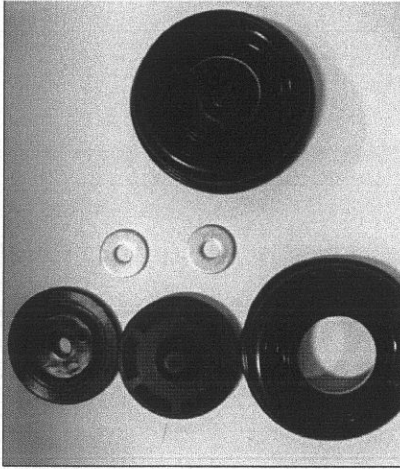
Install the port retainer clips (large) into the pump end cap (mounting base) and install the seven (7) Phillips screws into pump body and cross tighten until snug and then cross torque to 22-24 inch pounds. Install port retaining clips (small) into the pump body, tabs facing out, position the front end cap and install the seven (7) Phillips screws into pump body and cross tighten until snug and then cross torque to 22-24 inch pounds.

Install the muffler in the center port by pushing it in and sliding the retainer clip into place. Install the suction and discharge ports and the (air in) port fitting and slide the retainer clips in place. Check for leaks.



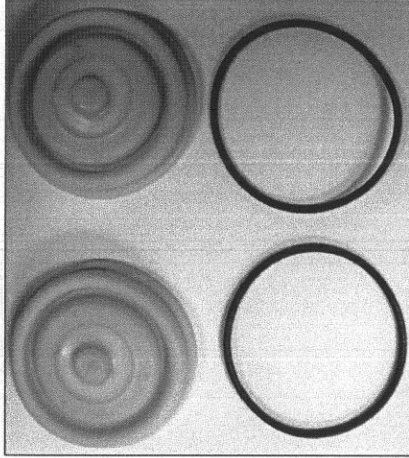
Kit Reference

FloJet Pump (P56 and P56V) Kits Reference



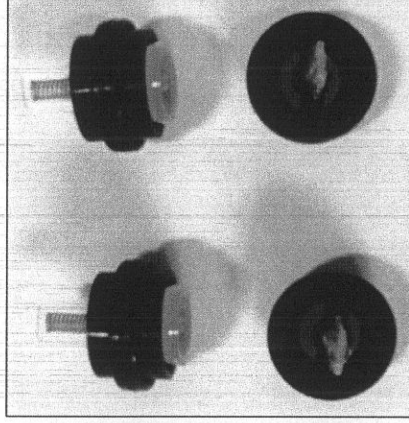
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VITON DIAPHRAGM KIT



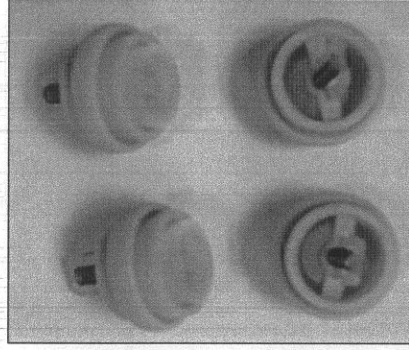
20730000

SANTOPRENE DIAPHRAGM KIT



20740020

VITON CHECK VALVES

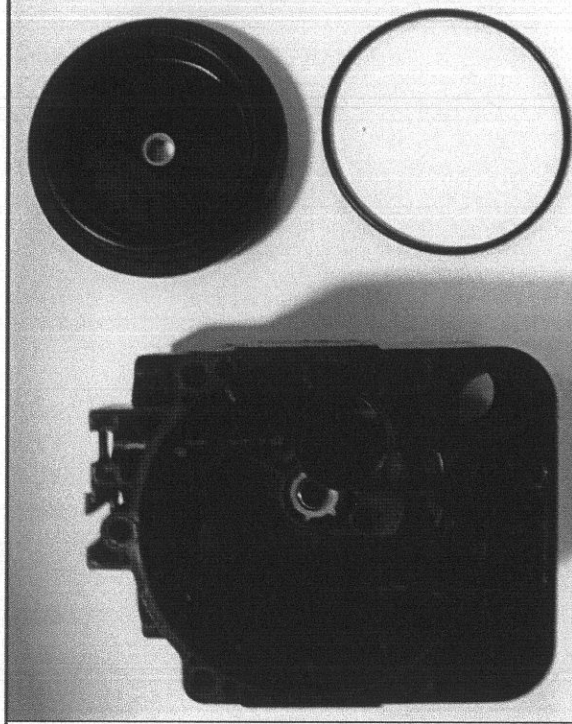


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SANTOPRENE CHECK VALVES

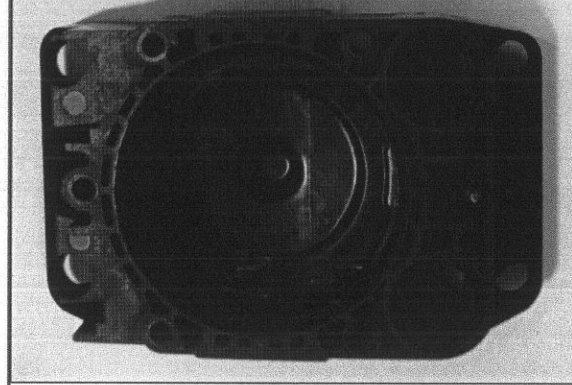
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s802604

\*  
s802603



20896000

PUMP HOUSING



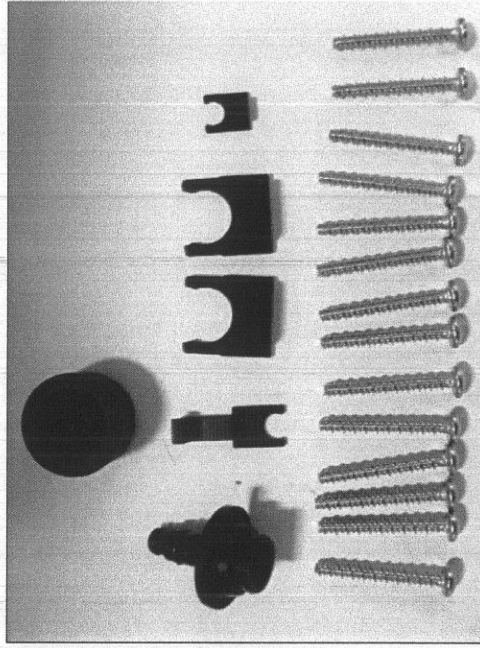
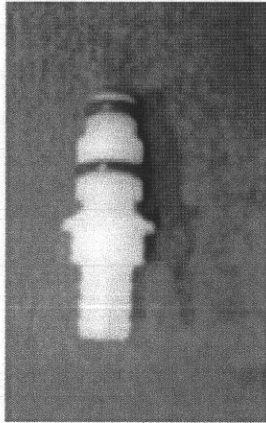
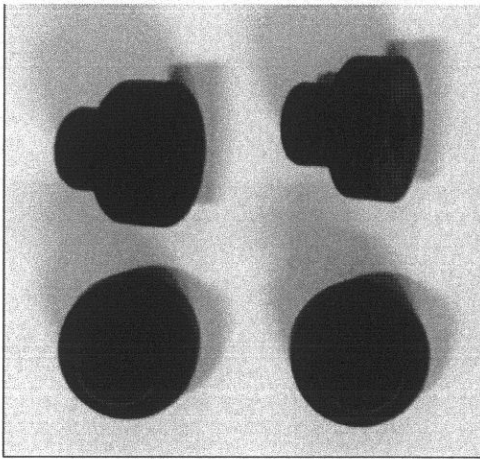
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PUMP END CAPS



Kit Reference

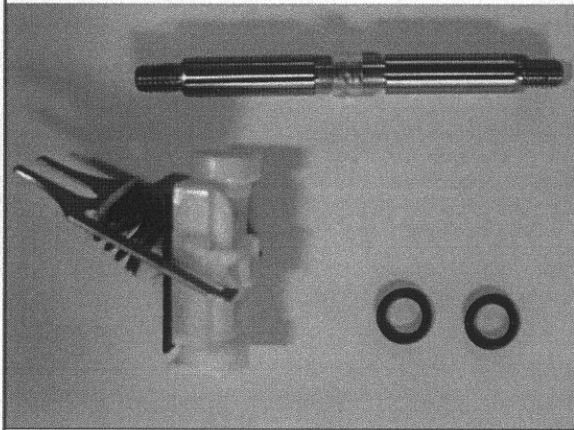
Flojet Pump (P56 and P56V) Kits Reference



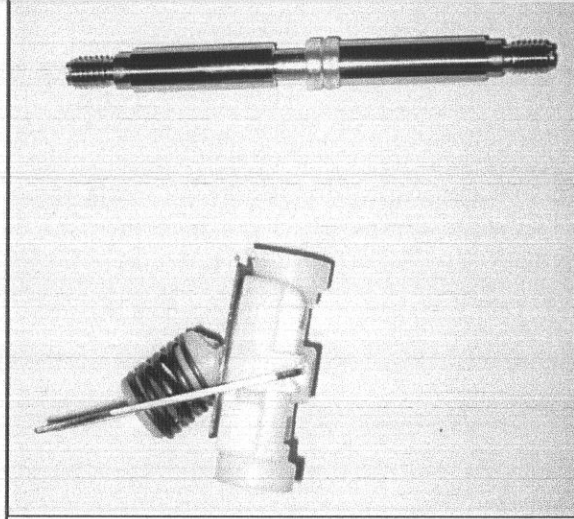
20132000  
PUMP FEET

20756103 B  
EXHAUST FITTING

20793-100  
HARDWARE KIT



20751000  
AIR SHAFT + SLIDE VALVE ASSEMBLY



20751002  
VITON AIR SHAFT + SLIDE VALVE ASSEMBLY

5802605