

*NOT INCLUDED IN KIT-A

DESCRIPTION	PART NO.	QTY	DESCRIPTION	PART NO.	QTY
KIT A, 114T	10005		KIT B	10014	
Plunger	▲	1	Poppet Valve	▲	4
O-Ring, 1-117	▲	2	O-Ring, 1-116	▲	4
Seal Ring, 1-124	▲	2	Spring Valve	▲	4
Plunger Guide	▲	2	Head	*	2
			Manifold	*	1

(▲) Sold only as part of a kit. | (*) Not part of a kit, for identification only.

1. Remove pump from motor using a 3/16" hex wrench. Remove remaining bolts from manifold of pump. Place Manifold to side as a reference for re-assembly.

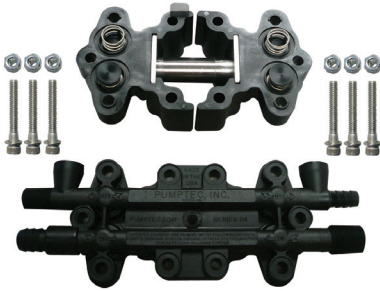


Figure 1

2. Holding each head, pull them apart to remove plunger. Remove retaining plate from pump head. Remove internal seal parts with finger. Discard parts.



Figure 2

3. Clean the head with a rag or towel. Inspect for damage or excess corrosion. If the head is damaged, do not rebuild. Note the order and orientation of repair parts prior to installation.

4. Place o-ring around seal ring and gently place them into seal bore.

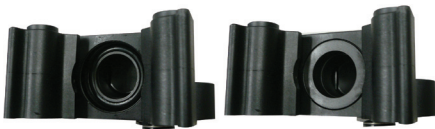


Figure 3

5. Place guide into seal bore, level above the o-ring seal assembly. Apply even downward pressure to guide to install seal and guide into seal bore. Remove guide and verify that o-ring and seal are properly installed without bulges or

creasing. Slide the retaining plate back into place.

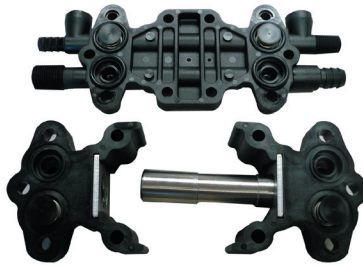


Figure 4

6. Repeat the previous steps 3-5 with the other head.

7. Lightly grease the plunger with provided grease in small grey tube. Slide plunger into one head assembly and then slide the other head onto plunger. Place head and plunger assembly on work surface with valves facing upward.



Figure 5

8. Adjust plunger slot position towards center and have slot facing work surface. Replace all valves and o-rings that may have fallen out during repair. Refer to image and manifold label to understand proper orientation.



Figure 6

9. Place manifold on top of plunger and head assembly. It may be necessary to move heads on plunger to have valves align with valve pockets on manifold. Be

careful to not lose the o-rings or valves in the manifold during re-assembly. You may hear a click when everything is aligned.

10. Place nut in to hex cavity behind head while inserting shorter bolts and washer assembly into manifold. Tighten to close gap between manifold and head, but DO NOT tighten completely at this time.



Figure 7

11. Install black grease from included packet into corners and center of plunger slot as shown.

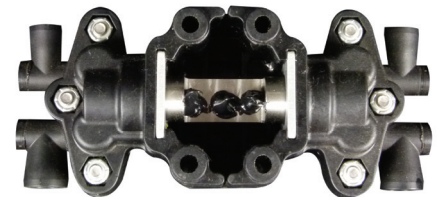


Figure 8

11. Mount pump back onto motor and tighten mounting bolts to 14 in/lbs of torque. Tighten head bolts to 14 in/lbs of torque.