

# Semco® Model 507 High Pressure Injection Gun

## Maintenance Instructions

### I. Service required when used daily and/or occasionally.

#### A. Immediately after use, disassemble gun for cleaning.

1. Disconnect gun from air supply at coupler.
2. Remove nozzle and push out contaminant with cleaning rod.
3. Disassemble following parts:

Item 1	Cap Assembly
Item 2	Cartridge
Item 3	Ram Rod
Item 4	Adapter - Barrel

Discard empty cartridge and plunger.
4. Clean cap with cleaning rod and wipe clean with solvent damped rag.
5. Clean ramrod with solvent damped rag.
6. If barrel, or adapter become contaminated, wipe clean with solvent damped rag.

### II. Service procedures for complete overhaul.

#### A. Disassemble as in I-A, 1 through 6 and:

1. Disassemble item 5 through 29.
2. Clean all parts in solvent.
3. Discard and replace:

Item 9 Seal - Piston
Item 13 Gasket -Cylinder
Item 14 Gasket - Adapter Body
Item 15 Seal - Piston Rod
Item 18 Button - Valve
Item 20 Valve Stem Assy. - Check
Item 22 Gasket - Connector
Item 25 Cup Seal - Power Head
Item 29 Cotter Pin - Power Head
4. Apply cup grease sparingly to all working surfaces of:

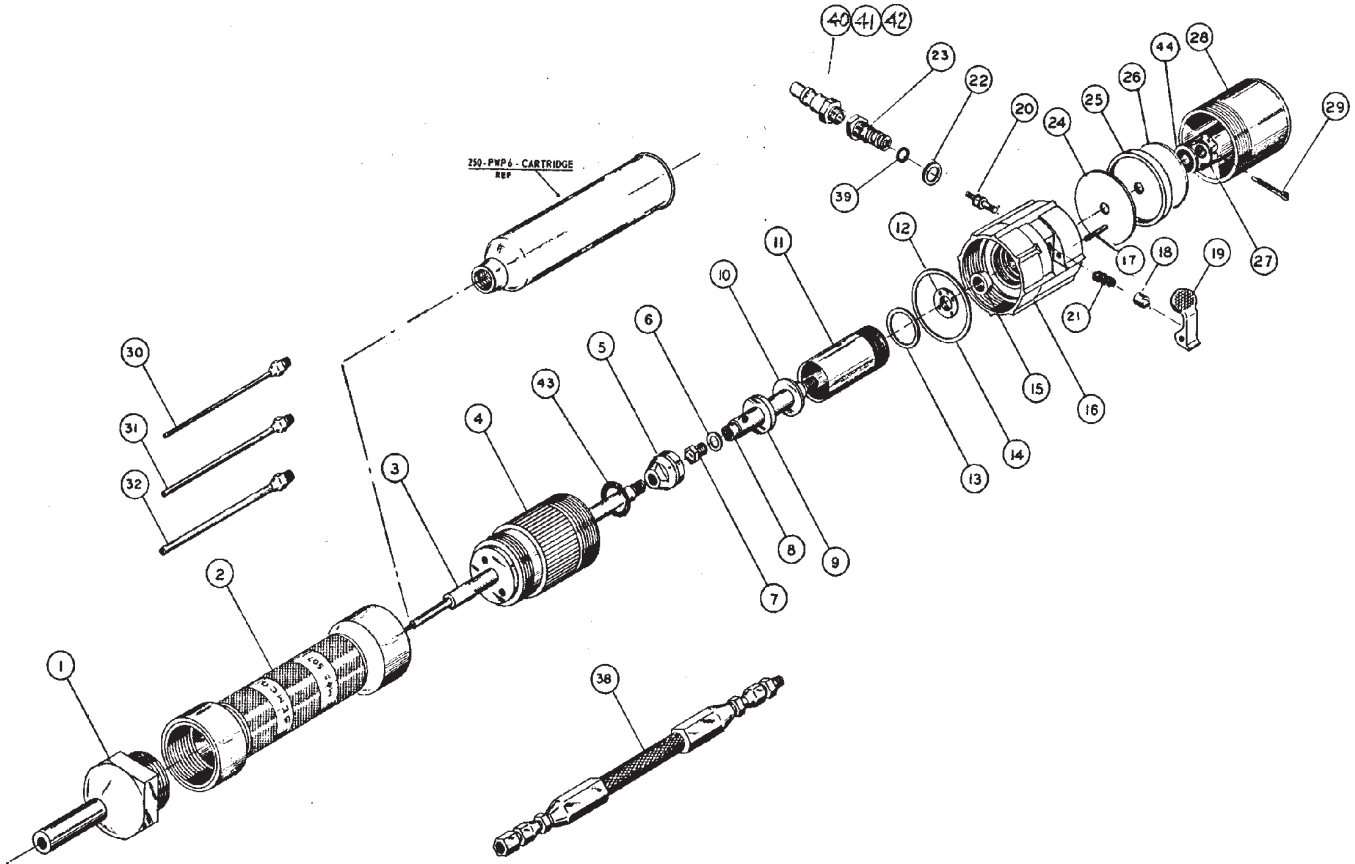
Item 9 Seal Piston
Item 11 Cylinder - Return
Item 25 Cup Seal - Power Head
Item 28 Cap-Power Head

NOTE: Complete replacement Seal Kit available, Part No. 230329

CAUTION: Always wear Safety Glasses when operating or cleaning equipment

Authorized Distributor:  
Bergdahl Associates, Inc.  
2990 Sutro Street  
Reno, NV 89512  
775-323-7542 775-323-7595 fax  
[www.bergdahl.com](http://www.bergdahl.com)

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Item # Part # Description

1	221203	Cap Assembly
2	221198	Barrel
3	221199	Ram Rod
4	221201	Barrel Adapter
5	228464	Ram Head
6**	268903	Washer-Bushing
7	221164	Bushing, Threaded
8	221182	Piston Rod-Return
9**	221167	Seal, Piston
10	221173	Washer
11	221177	Cylinder-Return
12	221186	Retainer-Gasket
13**	221187	Gasket, Cylinder
14**	221165	Gasket-Adapter Body (2)
15**	221184	Seal, Piston Rod
16	227023	Body, Valve Cylinder
17	221188	Pin, Trigger
18	221193	Button, Valve
19	221190	Trigger, Valve
20	221195	Valve Stem Assy.
21	221194	Spring, Comp.
22**	221168	Gasket

Item # Part # Description

23	221196	Connector, Adapter
24	221175	Washer, Power Head
25**	221176	Cup Seal
26	221179	Piston Plate
27	268980	Nut
28	221180	Cap, Power Head
29	221178	Cotter Pin
30*	225303	Nozzle, 3/32" Injection
31*	225321	Nozzle, 1/8" Injection
32*	225332	Nozzle, 3/16" Injection
33*	226980	Brush, Barrel Cleaning
34*	226984	Brush, Cap Cleaning
35*	226985	Rod, 3/32" Nozzle Cleaning
36*	226986	Rod, 1/8" Nozzle Cleaning
37*	226988	Rod, 3/16" Nozzle Cleaning
38*	226990	Hose, Nozzle Extension
39**	286281	"O" Ring
40	226250	Connector, ARO
41 *	226227	Connector, SCHRADER
42*	226225	Connector, HANSEN
43**	286579	"O" Ring
44**	229584	Washer, Thread Seal

\* Indicates Optional Items

\*\*Complete Replacement Seal Kit - Part # 230329