ATD-15289
Air Operated High-Pressure Grease Pump for 35 lb. Pails
Owner's Manual

Features:

- 50:1 Air-Operated Grease Pump for efficient greasing
- Portable design for easy use at routine greasing points
- Includes Drum Cover to protect grease from contamination and maintain pump stability
- Follower Plate ensures effective pumping of heavy grease
- Includes Grease Control Valve and a set of fluid transfer accessories
- 1/4 in. x 7 ft. Delivery Hose for versatile application
- All-metal, CNC-machined with hardened wear-resistant parts

Specifications:

- Working Pressure: 30-150 psi
- Max. Air Pressure: 150 psi
- Max. Outlet Pressure: 7,500 psi
- Air Inlet Connection: 1/4" NPT (F)
- Pump Outlet: 1/4" NPT (F)
- Air Consumption: 61 GPM
- Max Grease Output: 2.42 lbs./min.
- Noise Level: 81 db

Made in India to ATD Tools, Inc. Specifications
Visit us at www.atdtools.com

ATD15289_rev_0425

ATD-15289
Air Operated High-Pressure 50:1 Grease Pump

High Pressure Grease pump with guaranteed performance & hassle free operation

Pump dispenses grease at pressures of up to 50 times the air inlet pressure

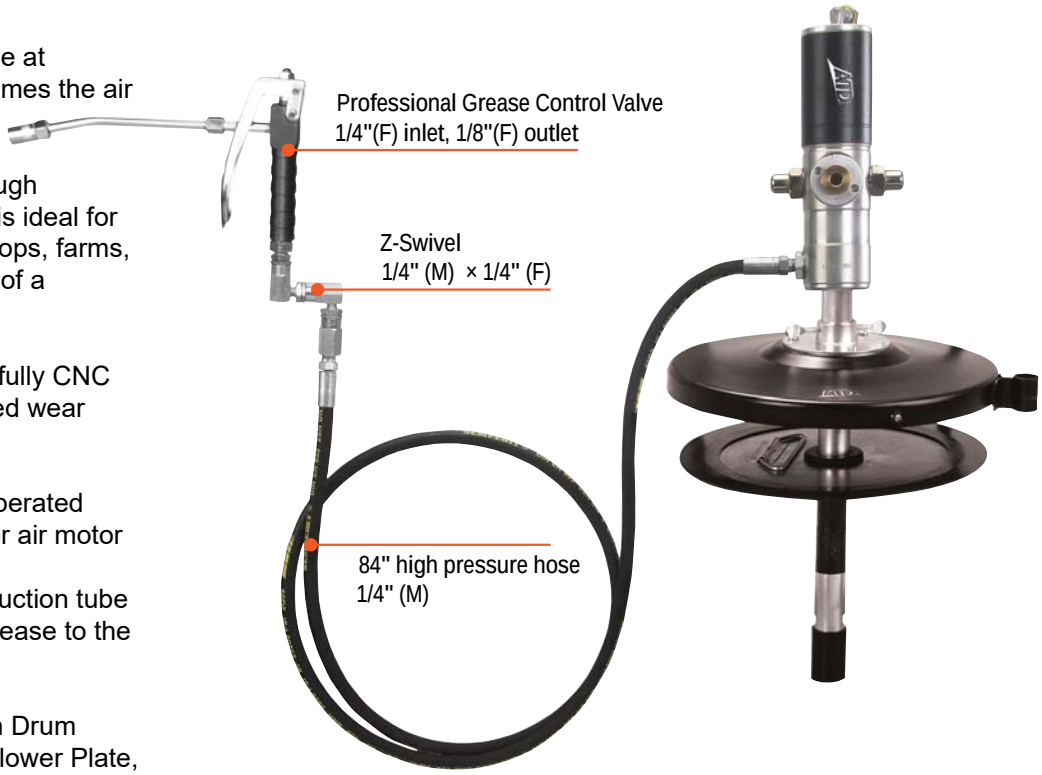
Designed to work in tough conditions - this pump is ideal for use in industry, workshops, farms, construction or as part of a mobile grease system

All metal construction, fully CNC machined with hardened wear resistant moving parts

Reciprocating piston operated 2-1/2" (63mm) diameter air motor

Fitted with strainer at suction tube inlet to ensure clean grease to the bearing

Supplied complete with Drum Cover, rubber lined Follower Plate, 7' (84") of high pressure Grease Hose, Z-Swivel & professional grease Control Valve



WETTED COMPONENTS
Steel, brass, aluminum, polyurethane & nitrile rubber

RECOMMENDED USE
With light and self collapsing grease up to NLGI No. 2

MODEL	THREAD	FITS	DRUM COVER DIAMETER		FOLLOWER PLATE DIMENSIONS					
					O.D. STEEL END		O.D. PLATE		I.D. GROMMET	
			INCH	mm	INCH	mm	INCH	mm	INCH	mm
ATD-15289	1/4" NPT	25-50 LB / 5 gal 20-30 kg pails	12"	310 mm	9.5"	241 mm	11.35"	288 mm	1.16"	29.5 mm

SPECIFICATIONS

Working Pressure	30-150 PSI	2–10 BAR
Maximum Air Pressure	150 PSI	10 BAR
Maximum Outlet Pressure	7,500 PSI	500 BAR
Air Inlet Connection	1/4" (F)	
Pump Outlet Connection	1/4" (F)	
Air Consumption	230 LPM	
Grease Output (MAX.)	2.42 LBS/ MIN.	1.10 KG/ MIN.
Noise Level	81 db	

PACKAGE CONTENT

DESCRIPTION	QTY.
Grease Pump Assembly	1
Drum Cover with Thumb Screws	1
Follower Plate	1
High Pressure Hose	1
Professional Grease Control Valve with Z-Swivel	1

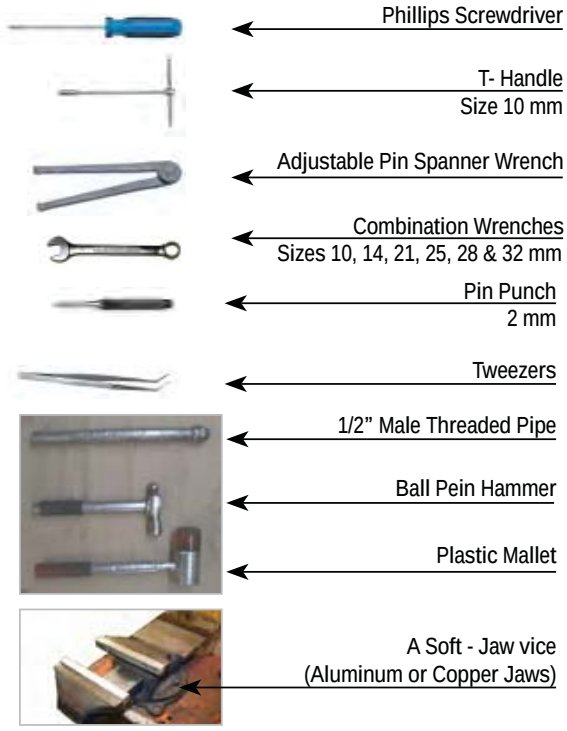
SAFETY INFORMATION

- Follow all of your workshop health & safety rules, regulations and conditions when using the grease pump.
- Use genuine parts only. Unauthorized parts may be dangerous and will void the warranty.
- Wear approved safety gloves and eye and ear protection.
- Keep the pump clean and in good working order for best and safest performance.
- When not in use, disconnect from air supply and store in a safe, dry, childproof location.

WARNING!

- **DO NOT** use the pump for a task it is not designed to perform.
- **DO NOT** carry the pump by hose.
- **DO NOT** use grease pump if damaged or thought to be faulty. Contact your local service center.
- Grease is delivered at high pressure. **DO NOT** point the grease outlet at yourself or others.

TOOLS NEEDED



BEFORE INSTALLATION

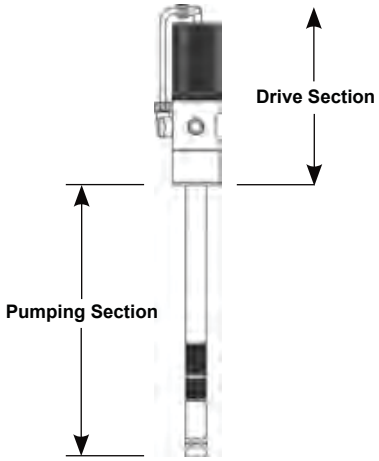
- Dry air is needed to operate this pump. Make sure an FRL (Filter, Regulator, and Lubricator) unit is installed in the airline as moisture in the air will damage the grease pump.
- Set the regulator to 6 BAR (90 PSI) or any required inlet pressure, but never more than 150 PSI (10 BAR) or less than 30 PSI (2 BAR).
- Line pressure should be increased to compensate for unusually long air hoses (over 8 meters).
- This grease pump has a 50:1 pressure ratio; i.e. the grease discharge pressure will be 50 times the inlet air pressure.
- Keep hose away from heat, oil and sharp edges. Check hose for wear and make sure that all connections are secure.

WARNING!

- Defective accessories can lead to personal injury and material damage

KNOW YOUR PUMP

Your ATD-15289 pump is made up of two sections:

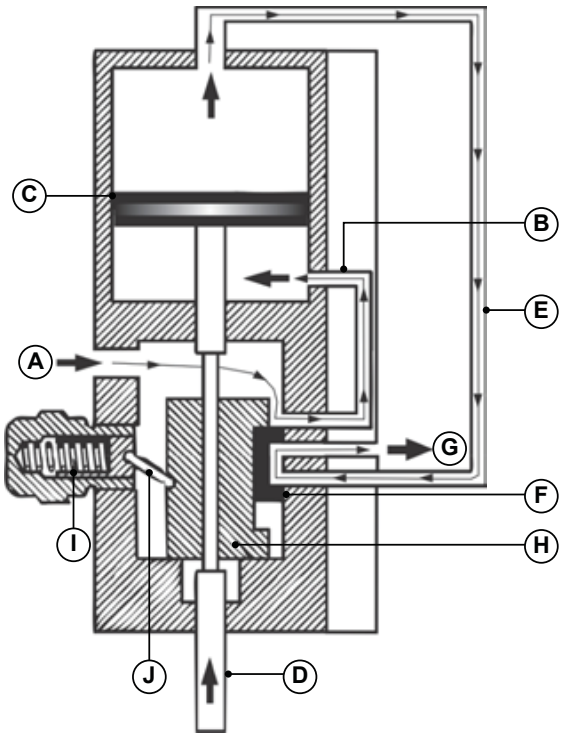


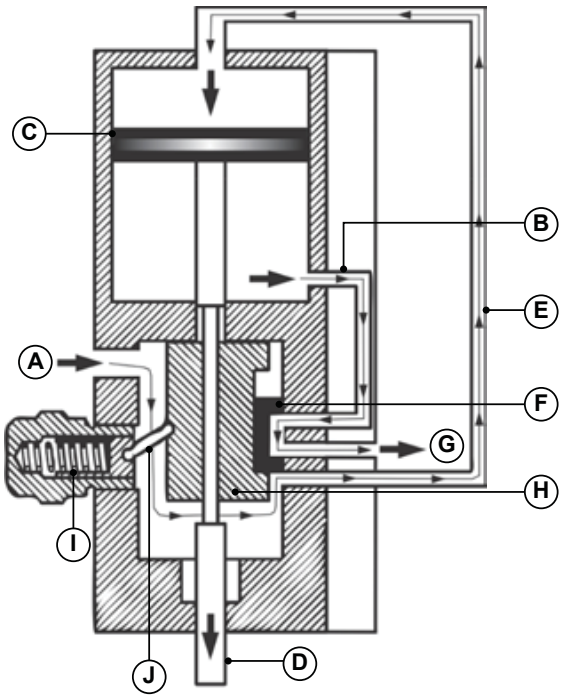
- **Drive Section:** This section consists of an air motor assembly driven by compressed air. The plunger diameter of the air motor is 2.5” (63mm). The motor consists of an air cylinder with plunger and one reciprocal valve with a nylon slider. The valve directs the compressed air alternately to the top or bottom of the plunger, thus producing a reciprocating motion of the piston rod.
- **Pumping Section:** This section consists of a pump in which a piston lifts the grease through Non-Return Valves by reciprocating inside the pump cylinder. The grease is discharged with pressure (from the outlet located at the bottom of the Air Motor) into the delivery hose.

NOTE:

- The **Air Motor** of this pump starts automatically when the grease control valve is opened. When the valve is closed, the air motor builds up back pressure and stops operating the pumping section.
- The **Pressure Ratio** of the pump states the ratio of the output grease pressure to the incoming air pressure. When the pressure ratio is 50:1, we achieve an output grease pressure up to 7500 PSI (500 BAR) when the incoming air pressure is 150 PSI (10 BAR).

PUMP FUNCTION





UP STROKE

When Grease Control Valve is opened, compressed air enters at arrow (A) and passes through passage (B) to the underside of the Plunger (C), driving the Plunger (C) and Plunger Rod (D) upwards. The air above the Plunger is evacuated through passage (E), past the Slider Valve (F) and out at arrow (G).
The Plunger approaches top dead center and Plunger Rod (D) makes contact with the Slider Rod (H). Now the Slider Rod (H) starts moving up with the Plunger Rod (D).

DOWN STROKE

The incoming air is now led via passage (E) to the upper side of Plunger (C), driving it and the Plunger Rod (D) downwards. The air under the Plunger (C) is evacuated through passage (B), past the Slider Valve (F) and out at arrow (G).
The Plunger approaches bottom dead center and Plunger rod (D) makes contact with the Slider Rod (H). When Slider Rod (H) passes its center position, the Pusher Spring (I) and Pusher Button (J) snap it over to its lower position.

The air motor repeats upstroke & down stroke in continuous cycle to produce a reciprocating motion, driven by compressed air. This motion is transferred via a connecting rod to the piston in the pumping section. During every upstroke, Non-Return Valves (with spring & ball check) get opened & the piston lifts the grease. During every down stroke, Non-Return Valves get closed & the piston discharges grease from the outlet valve. Closing the grease control valve shuts off the air motor & pump stops dispensing grease.

INSTALLATION

1. Fill the drum with Grease, leaving 2” of empty space from the top rim. Shake the drum after it is filled to remove air pockets. Place the Follower Plate in the grease drum with the lift handle facing upwards. Push the Follower Plate down, until some grease is forced through the center hole on the plate.

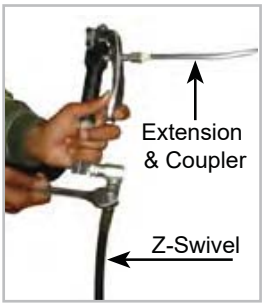
2. Place the Drum Cover on the drum. Lift the Pump Assembly & slide the Suction Tube through the Drum Cover & center hole in the Follower Plate.

3. Push the Pump Assembly down until the bottom of the pump touches the base of the drum. Adjust the Drum Cover and tighten it with the Thumb Screws provided with the Drum Cover.

4. Use a wrench to tighten High Pressure Hose to the Pump Outlet.

INSTALLATION CONTINUED

5. Use a wrench to tighten the other end of the hose to the Z-Swivel on the grease control valve. Tighten the Outlet Extension & Coupler to the Control Valve Outlet. Use thread sealant on all connections to ensure leak-proof operation.



6. With the air supply turned off, connect the air line into the air inlet on the pump.

OPERATING INSTRUCTIONS

1. Partially open the on/off air valve (it helps in creating initial vacuum when filling a totally dry pump). Pump will start operating automatically until it gets primed. Pump is said to be primed when grease is available at the pump outlet, making the pump ready to use. Once primed, the air motor will stop. Open the on/off Air Valve fully.

2. Hold the Grease Control Valve near a container & pull the trigger. Pump will start operating with continuous grease discharge as long as the trigger is pressed. Release the trigger & this will stop the pump. Check for any leaks from any of the connections & tighten again if required.

3. Connect coupler fitted onto the control valve extension with the grease fitting & pull trigger. Be careful not to over-lubricate as the pump will keep dispensing grease as long as the trigger is pressed. Once the trigger is released, pump will stop dispensing grease & the Air Motor will stop.

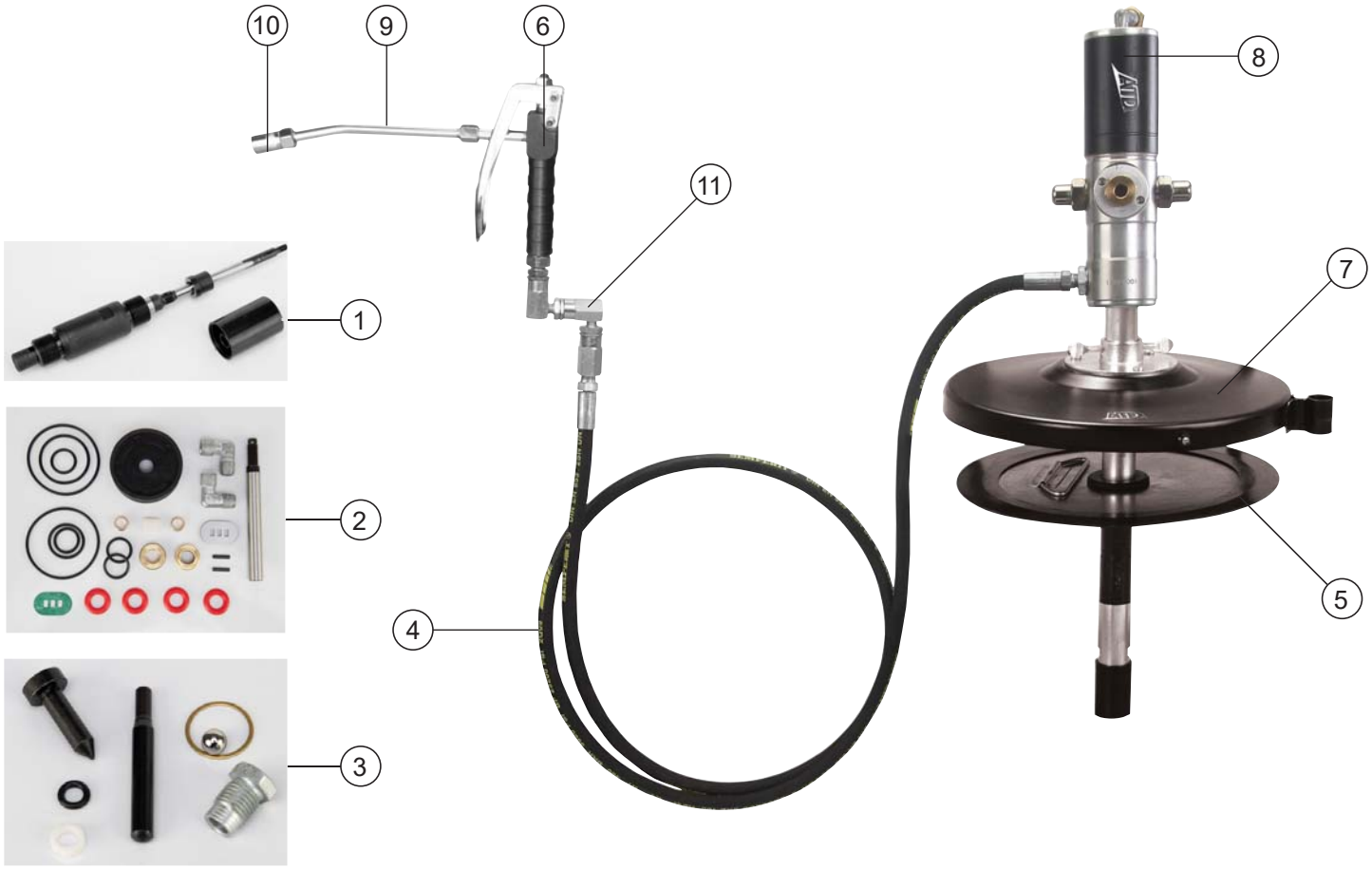
4. When not in use & at the end of each day, air supply to the pump must be switched off.

MAINTENANCE

- Grease Pump and Hose should be kept clean and checked for damage before each use.
- Use an air supply system that incorporates a filter, regulator and lubricator.

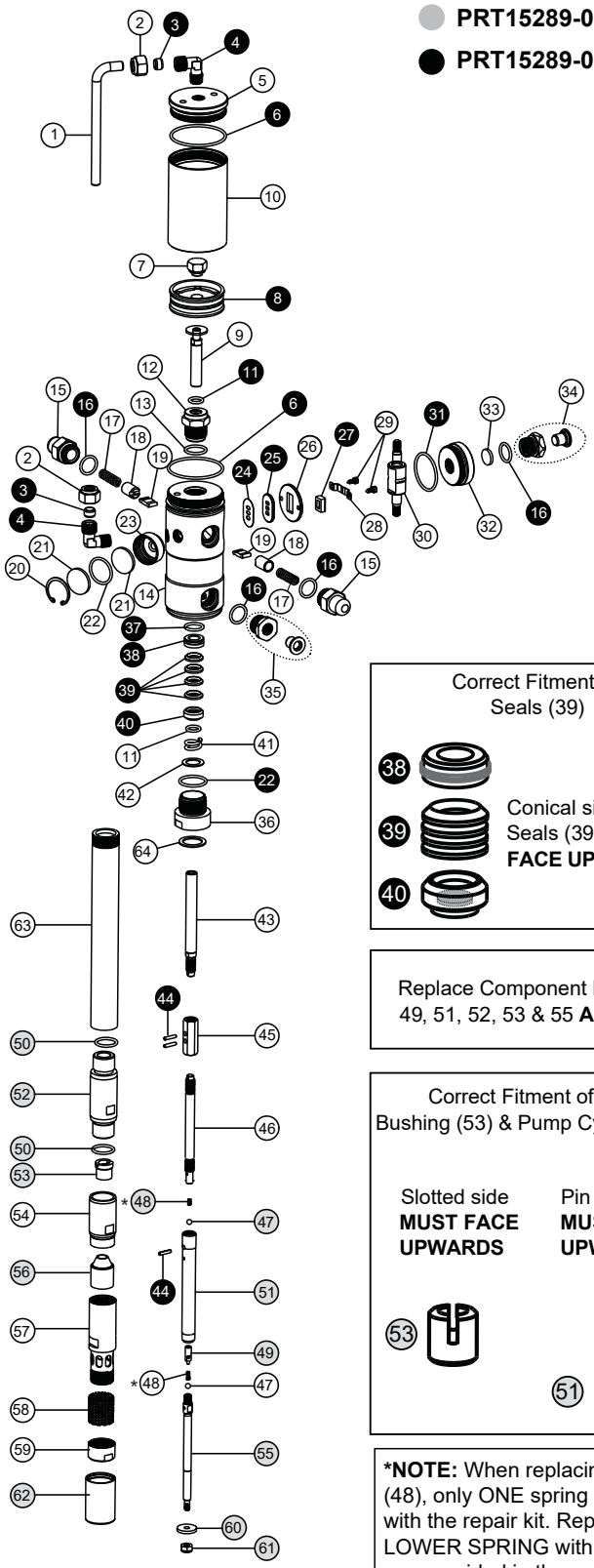
REPLACEMENT PARTS

Not all components of this product are replacement items, but are illustrated as a convenient reference for position in the assembly sequence. When ordering parts, give model number, part number and description. Call your distributor for current pricing:



ITEM#	ORDERING PART#	PART DESCRIPTION	QTY
1	PRT15217-01	BOTTOM REPAIR KIT (SA/KIT/BTM/RP-G)	1
2	PRT15217-02	TOP REPAIR KIT (SA/KIT/TP/RP-G)	1
3	PRT15218-01	GREASE CONTROL VALVE REPAIR KIT (KIT/APG-04)	1
4	PRT15217-09	GREASE HOSE (ZHOS/GRP/84/NPT)	1
5	PRT15289-05	FOLLOWER PLATE (FLP/241-288/6)	1
6	ATD-15218	GREASE CONTROL VALVE WITH Z-SWIVEL (APG/04/Z/1-4F/N)	1
7	PRT15289-07	DRUM COVER (ZSA/DC/GP1/BL)	1
8	PRT15289-08	GREASE PUMP ASSEMBLY (ZSA/GP1/N)	1
9	PRT15218-03	GREASE BEND PIPE (6") (GBP/6/N)	1
10	PRT15218-02	GREASE COUPLER (HC/12/4/N)	1
11	ATD-5253	Z-SWIVEL (HFC/1-4F/1-4M/N)	1

EXPLODED VIEW



Correct Fitment of Seals (39)

Conical side of Seals (39) **MUST FACE UPWARDS**

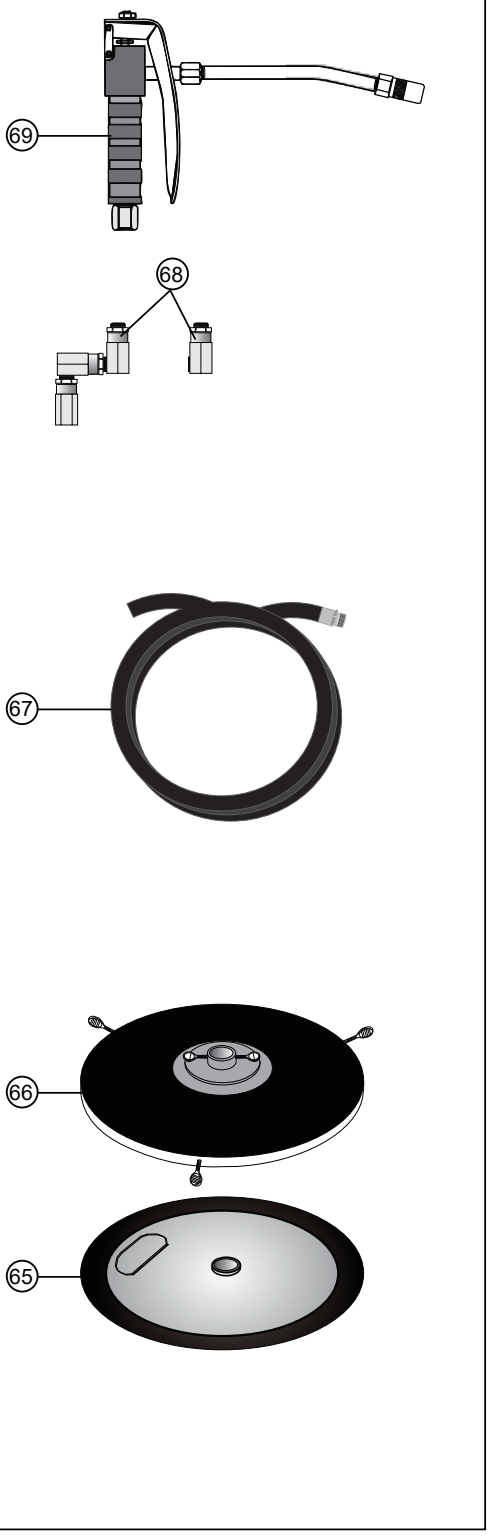
Replace Component Numbers 49, 51, 52, 53 & 55 **AS A SET**

Correct Fitment of Side Bushing (53) & Pump Cylinder (51)

Slotted side **MUST FACE UPWARDS**

Pin Hole end **MUST FACE UPWARDS**

***NOTE:** When replacing Spring (48), only ONE spring is included with the repair kit. Replace the LOWER SPRING with the one one provided in the repair kit. The UPPER Spring can be reused,



PARTS LIST

REF NO.	PARTS DESCRIPTION	QUANTITY
1	Bend Pipe	1
2	Coupling Nut	2
3	Sealing Ring	2
4	Bend	2
5	Cylinder Cover	1
6	O-Ring (BS141)	2
7	Plunger Nut	1
8	Rubber Plunger	1
9	Plunger Rod	1
10	Cylinder	1
11	O-Ring (BS614)	2
12	Rod Guide	1
13	O-Ring (BS116)	1
14	Housing	1
15	Pusher	2
16	O-Ring BS617	4
17	Pusher Spring	2
18	Pusher Nut	2
19	Pusher Button	2
20	Circlip	1
21	Filter (B)	2
22	O-Ring (BS121)	2
23	Exhaust Valve	1
24	Paper Seal	1
25	Seat	1
26	Slider Guide	1
27	Nylon slider	1
28	Clip	1
29	Self Tapping Screw	2
30	Slider	1
31	O-Ring (BS129)	1
32	Inlet Cover	1
33	Filter (S)	1
34	Air Inlet Adapter	1
35	Outlet Adapter	1

REF NO.	PARTS DESCRIPTION	QUANTITY
36	Adapter	1
37	O-Ring (BS115)	1
38	Seal Guide	1
39	Seal	4
40	Seal Support	1
41	Spring (Seal)	1
42	Steel Washer	1
43	Connecting Rod	1
44	Slotted Spring Pin	3
45	Connector	1
46	Extension Rod	1
47	Steel Ball (7/32”)	2
48*	Non-Return Spring	2
49	Valve	1
50	O-Ring (BS812)	2
51	Pump Cylinder	1
52	Top Coupler	1
53	Slide Bushing	1
54	Bottom Coupler	1
55	Piston Rod	1
56	Guide Bushing	1
57	Filter Tube	1
58	Filter	1
59	End Cap (Filter)	1
60	Piston Washer	1
61	Nyloc Nut	1
62	Filter Cap	1
63	Barrel	1
64	Rubber Washer	1
65	Follower Plate	1
66	Drum Cover	1
67	Hose	1
68	Z-Swivel/swivel	1
69	Grease Control Valve	1

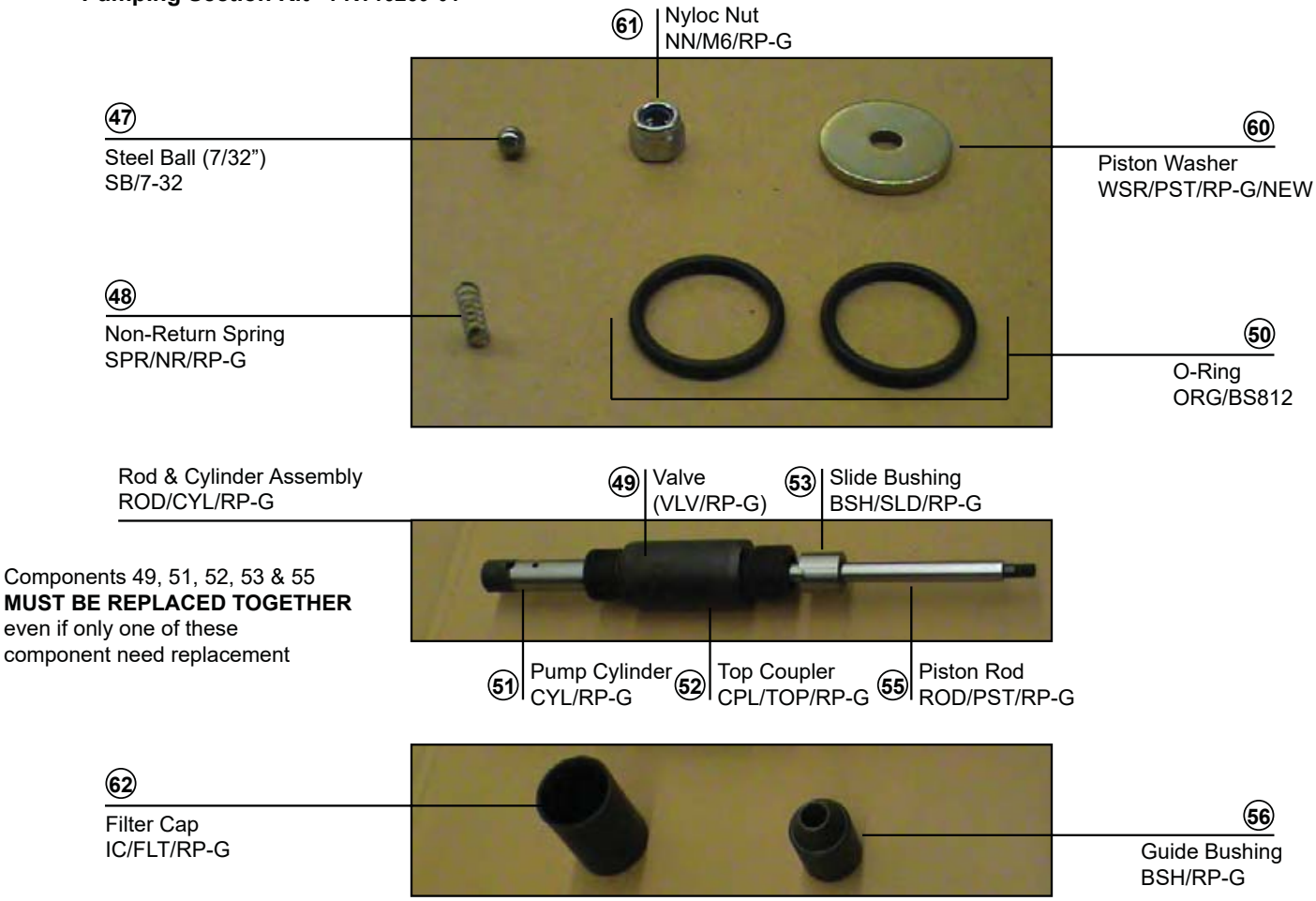
***NOTE:** While there are two Springs (48) in the unit, only ONE spring is included with the PRT15289-01 repair kit. When replacing Spring (48), replace the LOWER SPRING ONLY with the one provided in the repair kit. The UPPER Spring can be reused.

SERVICE PRECAUTIONS

- Before performing any service operation, always shut off the air supply and release the pressure of the medium, i.e. let the grease out so that the pressure decreases. When storing the pump assembly without the bucket, cover the Filter Tube (57) with Filter Cap (62).
- Be careful not to damage any parts when dismantling. While removing shafts that do not have key flats, use a pipe wrench or water pump wrench. The easiest way to remove such a shaft is to grip it in a vice with aluminum or copper jaws, clamp the shaft in a hand-drill chuck and then turn the chuck by hand.

- Be careful when fitting O-Rings and Seals. Always lubricate them with grease before fitting. They must never be threaded over sharp edges when being fitted. Lubricate all moving parts with synthetic grease. Apply minor locking fluid on all threaded joints.
- When repairing, be on the lookout for dirt in valves or ball seats, scratches in sealing surfaces and damaged O-Rings, Seals and Gaskets.

Pumping Section Kit - PRT15289-01



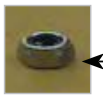
KIT PART NO.	KIT DESCRIPTION	CONSTITUENT PART NO.	PART DESCRIPTION	REFERENCE NO. FROM EXPLODED VIEW	QTY. PER KIT
PRT15289-01	PUMPING SECTION KIT	SB/7-32	Steel Ball (7/32")	47	1
		SPR/NR/RP-G	Non-Return Spring	48*	1
		ORG/BS812	O-Ring	50	2
		ROD/CYL/RP-G	Valve (VLV/RP-G)	49	1
			Pump Cylinder (CYL/RP-G)	51	1
			Top Coupler (CPL/TOP/RP-G)	52	1
			Slide Bushing (BSH/SLD/RP-G)	53	1
			Piston Rod (ROD/PST/RP-G)	55	1
		BSH/RP-G	Guide Bushing	56	1
		WSR/PST/RP-G/NEW	Piston Washer	60	1
		NN/M6/RP-G	Nyloc Nut	61	1
		IC/FLT/RP-G	Filter Cap	62	1

***NOTE:** While there are two Springs (48) in the unit, only ONE spring is included with the PRT15289-01 repair kit. When replacing Spring (48), replace the LOWER SPRING ONLY with the one provided in the repair kit. The UPPER Spring can be reused.

Pumping Section Kit (PRT15289-01)

1. Hold Barrel (63) in a soft-jaw vice. Pull out Filter Cap (62) by hand.

2. Unscrew Nyloc Nut (61) using a 10mm T-handle & also remove Piston Washer (60) from the end of Filter Tube (57).



Nyloc Nut

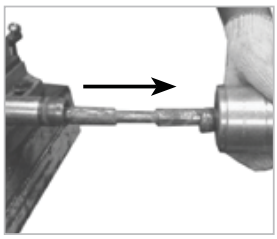
Piston Washer

3. Unscrew Top Coupler (52) using 28mm wrench on the given flats. Remove lower coupler assembly.

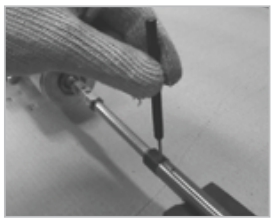
Lower Coupler Assembly

4. Remove the Outlet Adapter (35) using 25mm wrench .

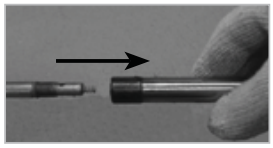
5. Tighten a 1/2” male threaded pipe into the Outlet Port & unscrew Air Motor assembly counter-clockwise. Carefully remove Air Motor from Barrel (63)



6. Support Pump Cylinder (51) on a V-block & insert a pin punch vertically into the hole of Pump Cylinder (51). Tap lightly with a hammer to drive out lower Slotted Spring Pin (44) taking care not to bend the Extension Rod (46).



7. Unscrew Pump Cylinder (51) & remove upper Steel Ball (47) & Non Return Spring (48).



Steel Ball

Non-Return Spring

8. Hold Filter Tube (57) in vice. Using two 28mm wrenches, hold Bottom Coupler (54) & unscrew Top coupler (52). Remove Slide Bushing (53).

Slide Bushing

9. Unscrew Bottom Coupler (54) with 28mm wrench & remove Guide Bushing (56).

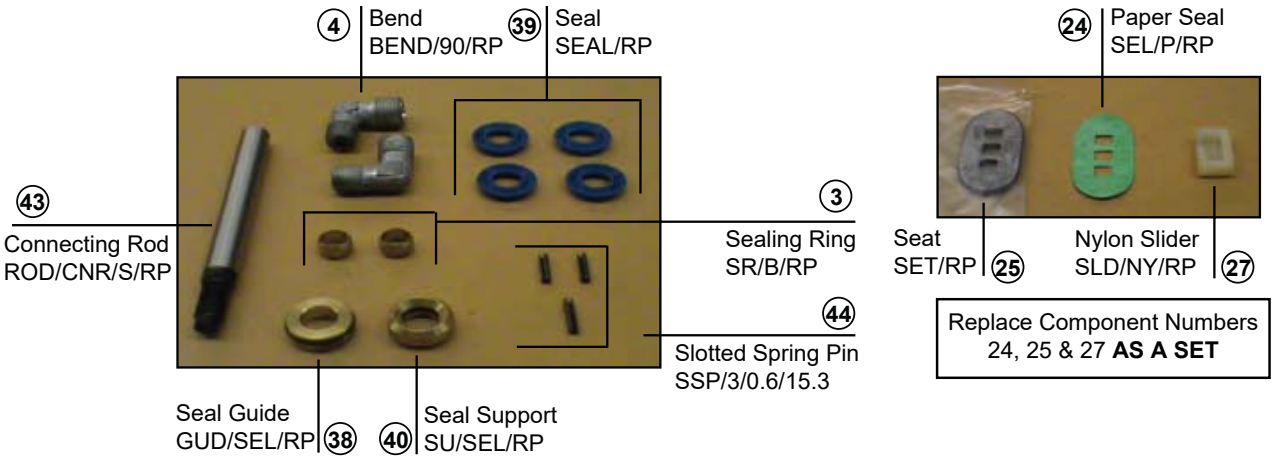
Guide Bushing

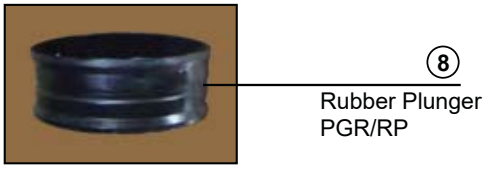
10. Replace the Repair Kit (PRT15289-01) Reassemble the pump by following the steps 1-9 in reverse order taking care of the points below:

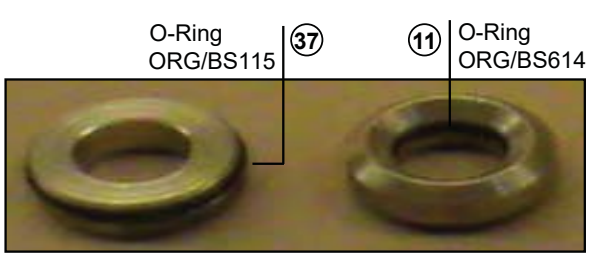
- The Pump Cylinder (51) has a pin-hole end that must **ALWAYS** face upwards; towards Extension Rod (46).
- The Slide Bushing (53) has a slotted end that must **ALWAYS** face upwards; towards Top Coupler (52).

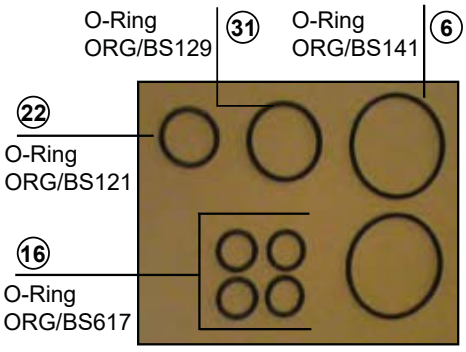
- Replace Part Numbers 49, 51, 52, 53 & 55 **TOGETHER AS A SET**, even if there is a need to replace only one of these parts. Apply minor grease on all the moving parts before assembly. Also, ensure movement of part 49, 51, 52 & part 53, 55 is smooth.

Drive Section Kit - PRT15289-02





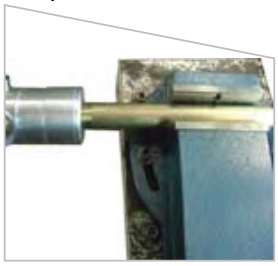




KIT PART NO.	KIT DESCRIPTION	CONSTITUENT PART NO.	PART DESCRIPTION	REFERENCE NO. FROM EXPLODED VIEW	QTY. PER KIT
PRT15289-02	DRIVE SECTION KIT	SR/B/RP	Sealing Ring	3	2
		BEND/90/RP	Bend	4	2
		ORG/BS141	O-Ring	6	2
		ORG/BS614	O-Ring	11	1
		ORG/BS617	O-Ring	16	4
		ORG/BS121	O-Ring	22	1
		SEL/P/RP	Paper Seal	24	1
		SET/RP	Seat	25	1
		SLD/NY/RP	Nylon Slider	27	1
		ORG/BS129	O-Ring	31	1
		ORG/BS115	O-Ring	37	1
		GUD/SEL/RP	Seal Guide	38	1
		SEAL/RP	Seal	39	4
		SU/SEL/RP	Seal Support	40	1
		ROD/CNR/S/RP	Connecting Rod	43	1
		SSP/3/0.6/15.3	Slotted Spring Pin	44	3
		PGR/RP	Rubber Plunger	8	1

Drive Section Kit (PRT15289-02)

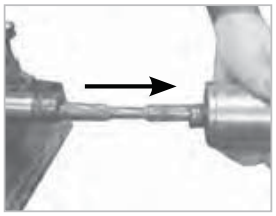
1. Hold Barrel (63) in a soft- jaw vice. Pull out Filter Cap (62) by hand



2. Unscrew Nyloc Nut (61) using 10mm T-handle & also remove Piston Washer (60) from the end of Filter Tube (57).

3. Remove the Outlet Adapter (35) using 25mm wrench.

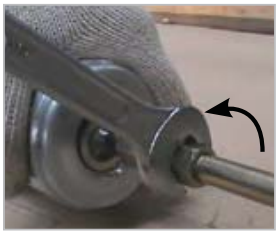
4. Tighten a 1/2” male threaded pipe into the outlet port & unscrew air motor assembly counterclockwise. Carefully remove Air Motor from Barrel (63).



5. Support Extension Rod (46) on a V-block & insert a pin punch vertically into the hole of Connector (45).

6. Tap lightly with a hammer to drive out the Upper Slotted Spring Pin (44) taking care not to bend Extension Rod (46)

6. Unscrew Connector (45) with 14mm wrench & separate Air Motor Assembly from Extension Rod (46).



7. Hold Air Motor Assembly in a soft-jaw vice. Loosen both Coupling Nuts (2) using 21mm wrench.

8. Remove Bend Pipe (1) along with both Coupling Nuts (2) & Sealing Rings (3). Unscrew Exhaust Valve (23) with an adjustable wrench.

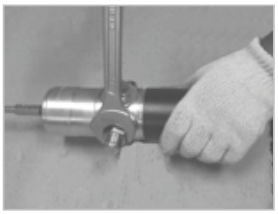
9. Unscrew both Bend Pipes (4) using 13mm wrench.

10. Lightly tap Cylinder (10) with a plastic hammer & unscrew it.

11. Unscrew Air Inlet Adapter (34) using 25mm wrench.

12. Use adjustable pin wrench in the holes on the Inlet Cover (32) & unscrew it.

13. Unscrew both Pushers (15) using 25mm wrench.



14. Remove both Pushers (15), Pusher Spring (17), Pusher Nuts (18) & Pusher Buttons (19).

15. Using two 10mm wrenches, hold Plunger Rod (9) & turn Connecting Rod (43) counterclockwise. This will unscrew Connecting Rod (43). Open Plunger Nut (7) to remove Rubber Plunger (8).

16. Remove Connecting Rod (43) along with Steel Washer (42), Spring (41), Seal Support (40), Seals (39) & Seal Guide (38).

If Connecting Rod (43) is still attached to the inner rod of Slider (30), hold the inner rod in a vice & unscrew Connecting Rod (43) with 10mm wrench.

17. Remove Slider (30) with tweezers.

18. Open the two Self Tapping Screws (29) with a Phillips screwdriver & remove Clip (28)

19. Remove Nylon Slider (27).

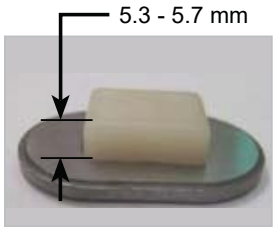
20. Remove Slider Guide (26).

21. Remove Seat (25) & Paper Seal (24). Clean the bottom surface thoroughly.

22. Replace the Repair Kit (PRT15289-02) Reassemble the pump by following the steps 1-21 in reverse order, being mindful of the following points:

- Ensure all mating surfaces are clean before reassembly. Apply minor grease on all mating surfaces, O-Rings & moving parts before reassembly.

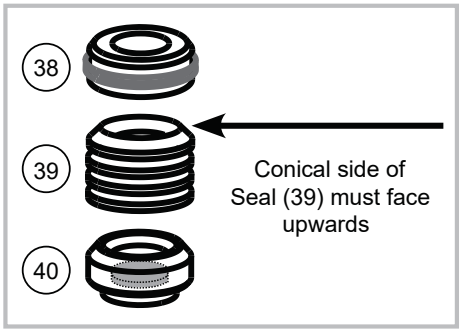
- Ensure that height of Nylon Slider (27) is approximately 5.3 - 5.7 mm. Also, the hollow portion of Nylon Slider (27) should rest evenly on top of Seat (25).



- When fitting Pushers (15), see through Inlet Cover (32) & ensure Pusher Buttons (19) are installed in center position. Also ensure that Clip (28) is tight & Nylon Slider (27) moves smoothly.

- When fitting Plunger Rod (9) & Connecting Rod (43), apply locking fluid on the inner rod of Slider (30).

- The conical side of Seal (39) **MUST FACE UPWARDS**. Assemble them with Seal Guide (38), Seal Support (40) & mount them as a set on Connecting Rod (43).



REF. NO. FROM EXPLODED VIEW	PART NO.	DESCRIPTION	QUANTITY
65	PRT15289-05	Follower Plate	1
66	PRT15289-07	Drum Cover	1
67	PRT15289-04	Hose, NPT Threads	1
68	ATD-5253	Z-Swivel, NPT Threads	1
69	ATD-15218	Grease Control Valve, NPT Threads	1

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Pump operates, but does not dispense any grease	Grease is too thick / too cold	Store grease in a warm place
	Air pockets in grease	Shake the grease bucket & manually force the Follower Plate (65) down to remove air pockets
	Dent in the grease bucket restricting movement of the Follower Plate (65) leading to formation of air pockets in the bucket and inefficient pumping	Remove the dent or change the bucket to ensure proper movement of the Follower Plate (65)
Pump not working / less discharge than normal	Inlet pressure is too low	Increase inlet pressure. It must be at least 30 PSI (2 BAR)
	Nylon Slider (27) is jammed or too tight	Refer to "Drive Section Kit (PRT15289-02)" Check for any build-up edge on Clip (28) & tighten it again. Make sure the movement of Nylon Slider (27) is neither very loose nor very tight. If needed, replace Nylon Slider (27). Also replace the Paper Seal (24), Seat (25) & Slider Guide (26) to ensure the best fit.
	Piston / Piston Rod / Plunger jammed. **NOTE:** Specifically check Extension Rod (46), Pump Cylinder (51), Top Coupler (52), Slide bushing (53) & Piston Rod (55)	Refer to "Pumping Section Kit (PRT15289-01)" Remove suction tube. Disconnect Air Motor Assembly from pumping section by removing the upper Slotted Spring Pin (44) from Connector (45). Supply input air to Air Motor. If it works properly without the barrel assembly, then the problem lies with the pumping section. Otherwise check the Air Motor for smooth movement After locating the faulty section, check the respective Piston / Plunger & the associated washers & seals for any overlap or wear & tear. Replace the defective parts from repair kit. Be sure to replace the moving parts that have close tolerances (such as Piston & Cylinder along with Non Return Spring & Balls) **AS A SET** to ensure the best fit.

Pump continues to operate even after the trigger of Grease Control Valve (69) has been released	Leakage in the assembly	Check all the connections to be sure they are air tight. Use thread sealant. Check O-Rings & Seals for damage. Replace the defective parts from repair kit.
Grease comes through the Air Exhaust Valve (23)	Grease leaks into the air motor	Check Seal Guide (38), O-Ring (37), lower O-Ring (11), Seals (39) & Seal Support (40) for wear & tear. Replace the damaged parts from repair kit
Air passes directly from inlet to the outlet & pump does not work	Nylon Slider (27) is jammed / overtight	Refer to "Drive Section Kit (PRT15289-02)" Check for any build-up edge on Clip (28) & tighten it again. Make sure the movement of Nylon Slider (27) is neither very loose nor very tight If needed, replace Nylon Slider (27). Also replace the Paper Seal (24), Seat (25) & Slider Guide (26) to ensure the best fit.
Discharge suddenly stopped while the pump was running	Seals / O-Rings damaged	Check all seals / O-Rings & replace the damaged parts from repair kit
	Chip / Other foreign particles get clogged at discharge coupler	Open the coupler, remove all foreign particles / chips & reassemble properly
	Clogged Filter Tube (57) and Filter (58)	Open Filter Cap (62) & End Cap (59), clean Filter Tube (57), Filter (58) & reassemble it properly

DISPOSAL

Be sure to dispose of the components and/or the used product according to your local guidelines concerning the disposal and/or recycling of industrial waste.

WARRANTY

1 YEAR LIMITED WARRANTY

THIS WARRANTY AND CONFIRMED RECEIPT(S) SHOULD BE *RETAINED BY THE CUSTOMER* AT ALL TIMES

PURCHASED FROM: _____

DATE PURCHASED: _____

INVOICE/RECEIPT NUMBER: _____

Your ATD-15289 is warranted for a period of 12 months from the original purchase date.

For a period of one (1) year from your purchase date, ATD Tools, Inc. will repair or replace (at its option) without charge, your ATD product if it was purchased new and the product has failed due to a defect in material or workmanship which you experienced during normal use of the product. This limited warranty is your exclusive remedy.

To access the benefits of this warranty, contact your supplier, or point of sale directly. You may be advised to return the product under warranty, freight prepaid, to your supplier for warranty determination.

If this ATD product is altered, abused, misused, modified, or undergoes service by an unauthorized technician, your warranty will be void. We are not responsible for damage to ornamental designs you place on this ATD product and such ornamentation should not cover any warnings or instructions or they may void the warranty. This warranty does not cover scratches, superficial dents, and other abrasions to the paint finish that occur under normal use. It also does not cover normal wear items such as but not limited to brushes, batteries, drill bits, drill chucks, pads or blades.

Subject to the law in your state:
(1) Your sole and exclusive remedy is repair or replacement of the defective product as described above.
(2) ATD is not liable for any incidental damages, including but not limited to, lost profits and unforeseeable consequences.
(3) The repair and replacement of this product under the express limited warranty described above is your exclusive remedy and is provided in lieu of all other warranties, express or implied. All other warranties, including implied warranties and warranties of merchantability or fitness for a particular purpose are disclaimed and, if disclaimer is prohibited, these warranties are limited to one year from your date of purchase of this product.

Some states' laws do not allow limited durations on certain implied warranties and some states' laws do not allow limitations on incidental or consequential damages. You should consult the law in your state to determine how your rights may vary.

[Affix receipt or invoice here for safe keeping]