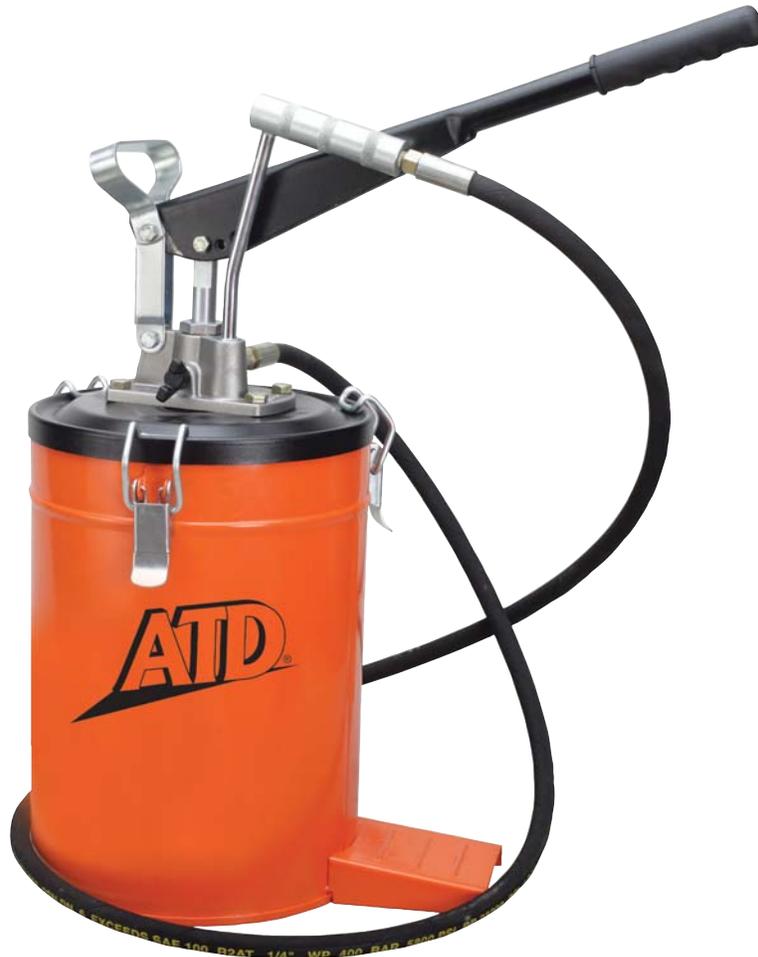




ATD-15287

Hand Operated Grease Pump With Bucket

Owner's Manual



Features:

- For efficient and high-volume greasing in various applications
- Designed for tasks such as lubricating automotive components, agricultural machinery, excavators and earth-moving equipment
- Variable handle settings allow user to switch between high volume and high-pressure
- Works well with NLGI 1, 2, and 3 greases, making it suitable for different viscosity requirements
- Pistol-grip handle with steel extension and coupler
- Swivel connector provides easy maneuverability of hose without kinking
- Air bleeder valve easily removes trapped air

Specifications:

- High Pressure: 4,000 psi, 4 GM/ Stroke
- High Volume: 2,000 psi, 9 GM/ Stroke
- High-pressure rubber hose: 6' x 1/4"
- Bucket capacity: 33 lbs.

Volume Grease Pump designed for quick effortless greasing in applications requiring voluminous everyday lubrication such as greasing of excavators & other earth moving equipment, agricultural equipment, automotive applications etc.

Variable Handle Setting

Pump can be set for high volume or high pressure dispensing with a simple switch

Fully CNC machined to very close tolerances, the pump develops pressure up to 4,000 PSI (275 BAR)

VGP series pumps work well with NLGI 1, 2 & 3 Greases

WETTED COMPONENTS

Steel, Aluminum, Brass & Nitrile Rubber

RECOMMENDED USE

For Grease up to and including NLGI 3

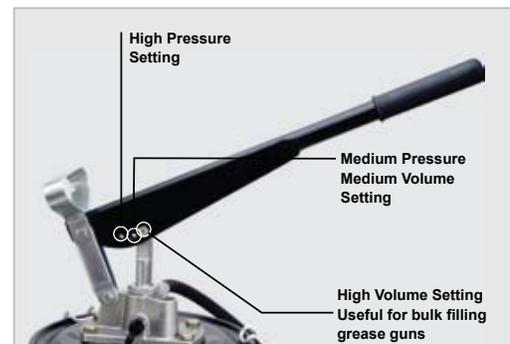


SPECIFICATION

SETTING	DEVELOPS		DELIVERS
HIGH PRESSURE	UP TO 4,000 PSI	UP TO 275 BAR	UP TO .14 oz or 4g / stroke
MEDIUM PRESSURE	UP TO 3,000 PSI	UP TO 206 BAR	UP TO .25 oz or 7g / stroke
HIGH VOLUME	UP TO 2,000 PSI	UP TO 140 BAR	UP TO .32 oz or 9g / stroke

MODEL	BUCKET CAPACITY	
	(KG)	LBS
ATD-15287	15	33

VARIABLE HANDLE SETTING



SAFETY INFORMATION

- Follow workshop health & safety rules, regulations and conditions when using the bucket grease pump.
- During their period of use, accessories must be checked for wear, cracks and other damage, replace any damaged or worn parts.
- Use genuine parts only. Unauthorized parts may be dangerous and will void the warranty.
- Wear approved safety gloves, eye and ear protection.
- Keep the bucket grease pump clean and in good working order for best and safest performance.
- **DO NOT** use the bucket grease pump for a task it is not designed to perform.
- **DO NOT** drop, throw or abuse the bucket grease pump.
- **DO NOT** carry the bucket grease pump by the hose.

WARNING!

- **DO NOT** use pump if damaged or thought to be faulty. Contact a local service center or distributor.

PACKAGING CONTENT

DESCRIPTION	QUANTITY
Bucket grease pump assembly	1
Handle assembly	1
Owner's Manual	1

BEFORE INSTALLATION

- **Skin protection:** Avoid repeated and prolonged contact of grease with the skin by wearing impermeable protective gloves.
- Check that the equipment has not suffered any damage during transport or storage. Clean the inlet and outlet openings, removing any dust or residual packing material.
- Do not exceed the maximum working pressure of 4,000 PSI.
- Use only original accessories compliant with bucket grease pump.
- Keep hose away from heat, oil and sharp edges. Check hose for wear and make sure that all connections are secure.
- Excess pressure at the greasing point can damage the grease nipple, bearings, and even the machine

WARNING!

- Defective accessories can lead to personal injury and material damage

INSTALLATION

(Reference "EXPLODED VIEW" ON PAGE 5)

1. The pump handle (12) comes preassembled with the u-clip (41). Connect the u-clip (41) with the pump head (30) with M6 bolt (4). Then, connect the pump handle (12) to the piston rod actuator with M6 bolt (4) in one of the holes as outlined below. Pump handle settings can be varied depending on the grease to be pumped.



- **High Pressure Setting:** Assemble the piston rod actuator (42) with hole #3 on the pump handle (12), this allows the pump to develop high pressure up to 4000 PSI (275 Bar) and delivers up to 4g of grease per stroke. This position is advised while using thick grease in cold regions.
 - **Medium Pressure - Medium Volume Setting:** Assemble the piston rod actuator (42) with hole #2 on the pump handle (12), this allows the pump to develop pressure up to 3000 PSI (206 Bar) and delivers up to 7g of grease per stroke. This position is good for all general purpose grease applications.
 - **High Volume Setting:** Assemble the piston rod actuator (42) with hole #1 on the pump handle (12), this allows the pump to deliver high volume of grease up to 9g per stroke and develops pressure up to 2000 PSI (140 Bar). This position is best while using thin grease in warm regions.
2. Open the three clamps (8) using clamp release lever (40) and pull out the pump assembly.
 3. Fill the bucket (35) with clean grease leaving empty space of about 2" from the top rim.
 4. Place the pump assembly back in the bucket (35). Push the pump assembly down to remove the trapped air.
 5. Adjust the drum cover (26) and tighten it to the bucket (35) using clamps (8) and tightening the clamp release levers (40).

OPERATING INSTRUCTIONS

(Reference “EXPLODED VIEW” ON PAGE 5)

1. Partially start operating the pump handle (12) until grease starts coming out of the hydraulic coupler (21) This may take 2-3 strokes when using the pump for the first time or after a refill.
2. If even after 2-3 strokes the pump does not dispense grease, then shake the bucket (35) and prime the pump as there might be a possibility of air pockets trapped inside the bucket (35) or the pump assembly.
3. To remove these air pockets unscrew the air release valve (20) 2-3 threads on the pump head.
4. Operate the pump using the pump handle (12).
5. When the grease starts coming out smoothly from the air release valve (20), tighten the air release valve (20).
6. Connect the hydraulic coupler (21) with the grease fitting that needs lubricated and start operating the pump.
 - When connecting the hydraulic coupler (21) to a grease fitting, press the hydraulic coupler (21) straight onto the grease fitting to form a snug fit.
7. Once greasing is completed, remove hydraulic coupler (21) from the grease fitting.
 - To remove the hydraulic coupler (21) slightly tilt it, twist and pull back. The tilt and twist action will allow easy removal of the hydraulic coupler (21) from the grease fitting.

WARNING!

- **DO NOT** point the pistol grip handle (11) towards yourself or anyone as there is a potential hazard for injection into the skin or eyes.
- Before operating the pump check the grease hose (29) for signs of wear, leaks or loose connections. If grease hose (29) is weak, worn or damaged, replace it immediately

MAINTENANCE

(Reference “EXPLODED VIEW” ON PAGE 5)

Every week clean the pistol grip handle (11), extension (44), hydraulic coupler (21) and grease hose (29) with a cloth or compressed air to remove foreign particles so the pump is free of contamination. Also, always use clean grease with this pump.

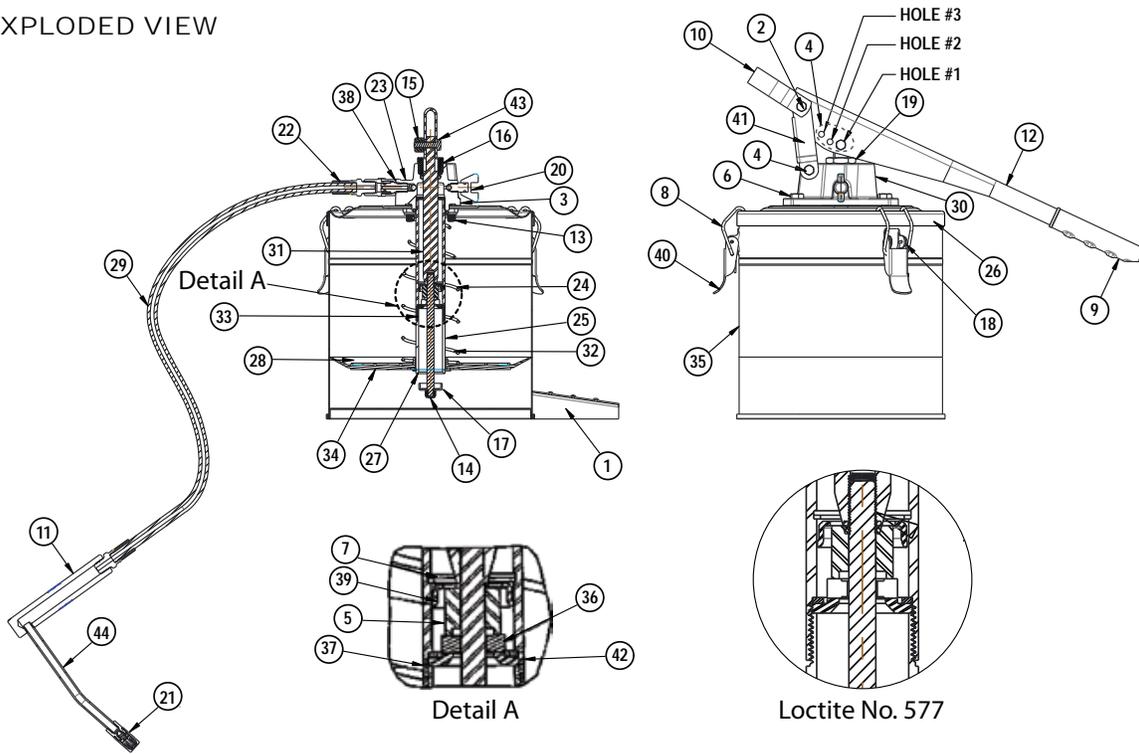
PARTS LIST (Reference “EXPLODED VIEW” ON PAGE 5)

ITEM#	ORDERING PART#	DESCRIPTION
5, 14, 16, 17, 32, 36, 37, 39, 42 & 43	PRT15287-01	PLUNGER KIT (SA/KIT/05/VGP)
16, 22, 36, 43	PRT15287-02	SEAL KIT (SA/KIT/SEL/VGP)
44	PRT15286-07	EXTENSION (GBP/6/N)
21	PRT15287-04	COUPLER (HC/14/4/B)
22	PRT15287-05	SWIVEL (SWV/1-8M/1-4F/B)
29	PRT15287-06	GREASE HOSE (GHC/2/VGP/SEM)
11	PRT15287-07	PISTOL GRIP HANDLE (ZSA/NZL/VGP)
28	PRT15287-08	FOLLOWER PLATE (FLP/PT/X/15A)

PART REFERENCE BREAKDOWN

Not all components of this product are replacement items, but are illustrated below as a convenient reference for position in the assembly sequence. When ordering parts from your distributor, please see page 4 for available part numbers.

EXPLODED VIEW



REFERENCE LIST

REF NO.	PARTS DESCRIPTION	QUANTITY
1	Foot Rest	2
2	Bolt (1/4" BSW)	1
3	Bolt (5/16" BSW)	6
4	Bolt (M6)	2
5	Seal Bushing	1
6	Bushing	2
7	Internal Snap Ring	1
8	Clamp	3
9	Grip	1
10	Lift Handle	1
11	Pistol Grip Handle	1
12	Pump Handle	1
13	Nyloc Nut 5/16" BSW	6
14	Nyloc Nut	2
15	Nut	2
16	O-Ring	1
17	Plunger	1
18	Trigger Pin	3
19	Rod Guide	1
20	Air Release Valve	1
21	Hydraulic Coupler	1
22	Swivel	1

REF NO.	PARTS DESCRIPTION	QUANTITY
23	Steel Ball	1
24	Barrel	1
25	Bottom Plug	1
26	Drum Cover	1
27	External Snap Ring	1
28	Follower Plate	1
29	Grease Hose (High Pressure)	1
30	Head	1
31	Piston Rod	1
32	Plunger Rod	1
33	Spring	1
34	Steel Washer	1
35	Bucket	1
36	Seal (Plunger)	1
37	Seal Plate	1
38	Non Return Spring	1
39	Stopper	1
40	Clamp Release Lever	3
41	U-Clip	1
42	Brass Washer	1
43	Back Up Washer	1
44	Extension	1

REPAIR AND SPARE PARTS

(Reference "EXPLODED VIEW")

Certain repair kits are provided with this grease pump that helps the user to repair the product

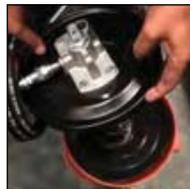
PLUNGER KIT - PRT15287-01

DESCRIPTION	PARTS LIST REF NO.	QUANTITY
Seal Bushing	5	1
Stopper	39	1
Plunger	17	1
O-Ring	16	4
Back Up Washer	43	4
Plunger Rod	32	1
Seal Plate	37	1
Brass Washer	42	1
Seal (Plunger)	36	1
Nyloc Nut	14	1

Note: Plunger rod (32) has been provided in duplicate. The shorter one (133mm) is for use with 6 kg pumps & the longer one (172 mm) is for use with 10 kg and 15 kg pumps.



- Remove the drum cover (26) and take out the follower plate assembly from the bucket (35)



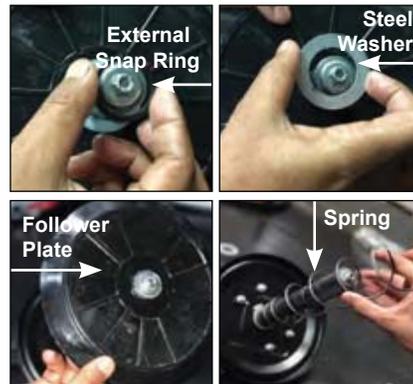
- Place the follower plate assembly on a hard surface and open the external snap ring (27) using snap ring pliers



CAUTION!

While opening the external snap ring (27), hold the follower plate (28) tightly as the spring (33), behind the follower plate, (28) has high tension.

- Remove the external snap ring (27), steel washer (34), follower plate (28) carefully and then take out the spring (33)



CAUTION!

While removing the follower plate (28) hold the spring (33) tightly as it has high tension.

- Use a mallet to loosen the Loctite joint between the bottom plug (25) and barrel (24).



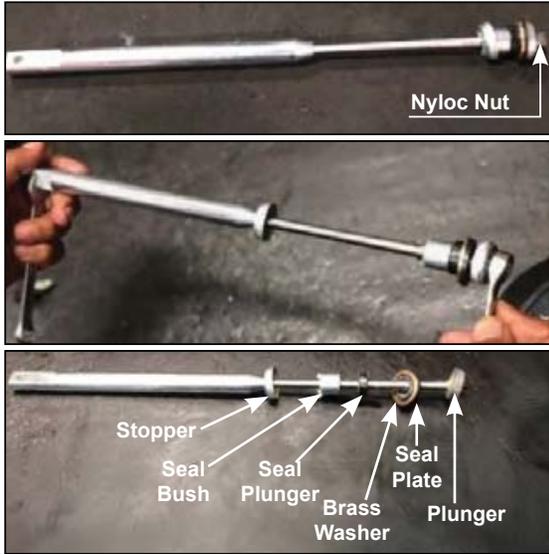
- Hold the barrel (24) in the bench vice and open the bottom plug (25) with the help of adjustable pipe wrench.



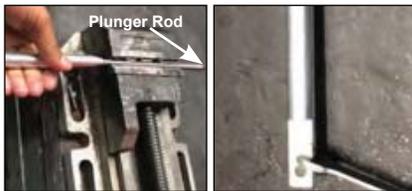
- Unscrew the bottom plug (25) and open the rod guide (19) with the help of adjustable wrench. Use a mallet to push the piston rod (31) out of the barrel (24).



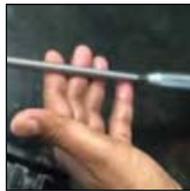
- Clean the grease on the piston rod (31). Remove Nyloc nut (14) using two 11mm wrenches and remove plunger (17), seal plate (37), brass washer (44), seal (plunger) (36), seal bushing (5), stopper (39).



- Unscrew the plunger rod (32) by holding it in the bench vice and opening it using 11mm wrench.



- Now, replace the old plunger rod (32) with the new one in the kit.



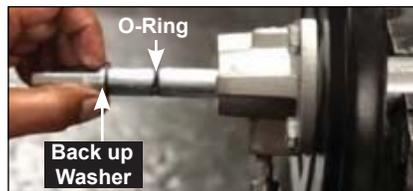
- Insert the new stopper (39), seal bushing (5), seal (plunger) (36), brass washer (42), seal plate (37), plunger (17) from the kit onto the plunger rod (32) in the defined sequence and secure it using Nyloc nut (14).



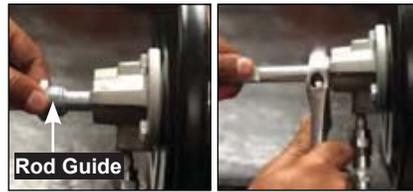
- Insert the above assembly back into the barrel (24) and thread tighten the bottom plug (25) using adjustable pipe wrench.



- Remove the old back up washer (43) and O-ring (16) from the head (30) and replace it with the new back up washer (43) and O-ring (16) from the kit.



- Thread tighten the rod guide (19) using adjustable wrench.



- Place the spring (33) back over the barrel (24) as shown in the image. Adjust the follower plate (28) carefully over the spring (33) and secure it using steel washer (34) and external snap ring (27)



CAUTION!

While adjusting the follower plate (28) back in place, hold the spring (33) tightly as it has high tension.

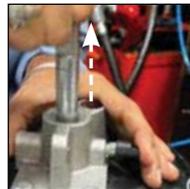
SEAL KIT - PRT15287-02

DESCRIPTION	PARTS LIST REF NO.	QUANTITY
Back Up Washer	43	4
O-Ring	16	4
Swivel	22	1
Seal (Plunger)	36	2

- Use a 28mm wrench to loosen and remove the rod guide (19).



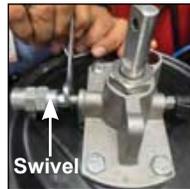
- Insert a punch pin into the hole on the lever rod and pull the lever out to remove the O-ring (16) and washer (43). (Repeat pulling of lever rod, if needed).



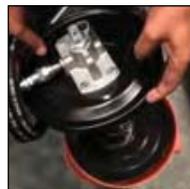
- Replace the old O-ring (16) and washer (43) with a new set.



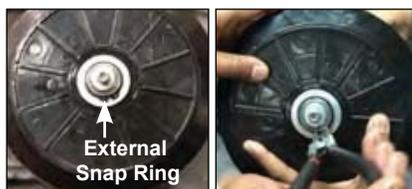
- Replace the old swivel (6) with a new one using an 18mm wrench.



- Remove the drum cover (26) and take out the follower plate assembly from the bucket (35)



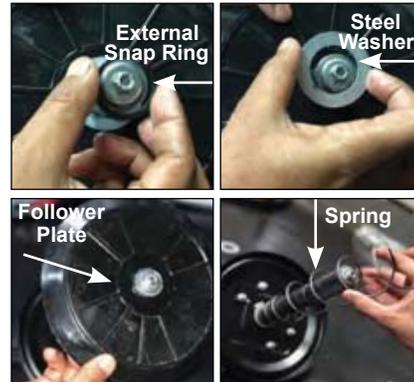
- Place the follower plate assembly on a hard surface and open the external snap ring (27) using snap ring pliers.



CAUTION!

While opening the external snap ring (27) hold the follower plate (28) tightly as the spring (33) behind the follower plate (28) has high tension.

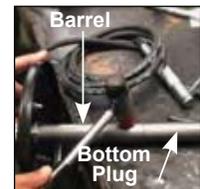
- Remove the external snap ring (27), steel washer (34), follower plate (28) carefully and then take out the spring (33).



CAUTION!

While removing the follower plate (28) hold the spring (33) tightly as it has high tension.

- Use a mallet to loosen the Loctite joint between the bottom plug (25) and barrel (24).



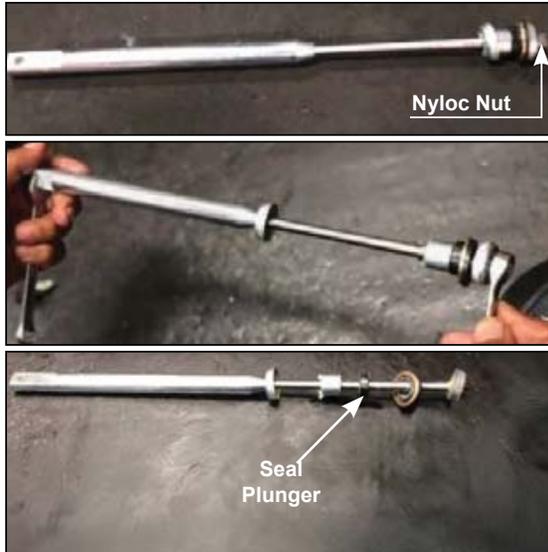
- Hold the barrel (24) in the bench vice and open the bottom plug (25) with the help of adjustable pipe wrench.



- Unscrew the bottom plug (25) and open the rod guide (19) with the help of adjustable wrench. Use a mallet to push the piston rod (31) out of the barrel (24).



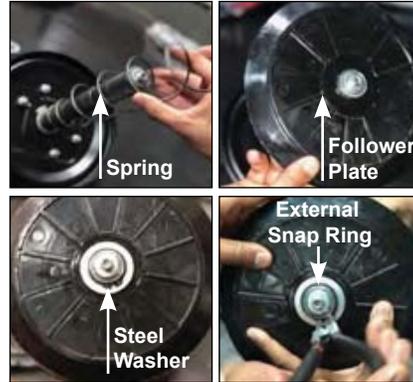
- Clean the grease on the piston rod (31). Loosen the Nyloc nut (14) using two 11mm wrenches, replace seal (plunger) (36) and arrange back the spares in same way as actual assembly.



- Insert the above assembly back into the barrel (24) and thread tighten the bottom plug (25) using adjustable pipe wrench.



- Place the spring (33) back over the barrel (24) as shown in the image. Adjust the follower plate (28) carefully over the spring (33) and secure it using steel washer (34) and external snap ring (27).



CAUTION!

While adjusting the follower plate (28) back in place, hold the spring (33) tightly as it has high tension.

- Thread tighten the rod guide (19) using adjustable wrench.



DISPOSAL

Please follow local laws and guidelines concerning the disposal of the components or the used products from this unit.

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Pump does not dispense grease	Air pockets/trapped air inside grease.	Follow "OPERATING INSTRUCTIONS" on page 4 to prime the pump
	Follower plate got stuck	Open the drum cover and resetttle the follower plate.
	Very thick grease mainly in winter	Warm the grease bucket a little
	Contaminants causing blockage	Open the drum cover and remove the blockage.
	Blocked pistol grip handle	Remove the pistol grip handle & start operating the pump. If the pump dispenses grease, then the pump is fine. Either clean the pistol grip handle with compressed air or replace it.
Grease leaks from the Pump head	Worn piston O-ring	Replace the O-ring on the pump head.
If the grease pump still doesn't operate		Contact nearest service center, or your distributor.



ATD[®]

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-15287 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]