ATD-15219
Booster Grease Control Valve
Owner's Manual

Features:

- Heavy-duty grease control valve with built-in pressure boost mechanism
- Continuous flow with pistol handle fully pressed
- Pressure boost achieved through repeated actuation of the pistol handle
- Boosts line pressure from 6,000 psi to 10,000 psi
- Pressure boost mechanism is extremely useful to unblock frozen grease fittings
- Steel construction for durability and longevity
- Comes complete with 6" steel extension and heavy-duty coupler

Specifications:

- Working Pressure: 10,000 PSI (690 BAR)
- Inlet Thread: 1/4" NPT (F)
- Outlet Thread: 1/8" NPT (F)

SAFETY INFORMATION

- Follow all of your workshop health & safety rules, regulations and conditions when using the grease control valve
- 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 control valve 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 control valve for a task it is not designed to perform.
- **DO NOT** carry the control valve by the hose.
- **DO NOT** use the control valve 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.
- **NEVER** exceed the stated maximum working pressure of the pump **or of the lowest rated component in your system.**
- **NEVER** modify any part of this equipment.
- **NEVER** use combustible gas with this equipment.
- **NEVER** attempt repairs while the system is under pressure.
- **NEVER** attempt to disassemble the equipment while the system is under pressure.
- **ALWAYS** tighten fluid connections before using this equipment.
- **ALWAYS** read/follow the fluid manufacturer's recommendations regarding fluid compatibility.
- **ALWAYS** read/follow the fluid manufacturer's recommendations regarding the use of protective clothing and equipment.
- **ALWAYS** use an air line filter/moisture eliminator/ lubricator (FRL unit) at the air inlet for the pump.
- **REGULARLY** check all equipment and repair/ replace worn or damaged parts immediately

FAILURE TO HEED THESE WARNINGS INCLUDING OVER PRESSURIZING, ALTERING PARTS, USE OF INCOMPATIBLE FLUIDS, MISUSE, OR USE OF DAMAGED/WORN PARTS MAY RESULT IN EQUIPMENT DAMAGE, PROPERTY DAMAGE, FIRE, EXPLOSION AND/OR SERIOUS PERSONAL INJURY

PACKAGING CONTENT

DESCRIPTION	QUANTITY
Grease Control Valve	1
Extension (Rigid) with coupler	1
Owner's Manual	1

BEFORE INSTALLATION

- Follow all of your workshop health & safety rules, regulations and conditions when using the grease control valve.
- Maintain the valve in good condition and replace any damaged or worn parts.
- Use genuine parts only. Unauthorized parts may be dangerous and will void the warranty.
- Wear approved safety gloves and eye and ear protection.
- **DO NOT** exceed the maximum working pressure of 10,000 PSI of the booster grease control valve.
- Excess pressure at the greasing point can damage the grease nipple, bearings, and other greasable components.
- Keep the grease control valve clean and in good working order for best and safest performance.
- **DO NOT** use the product for a task it is not designed to perform.
- **DO NOT** drop, throw, or abuse the grease control valve.

WARNING

- Disconnect from supply before changing accessories or servicing.
- **DO NOT** use the product if damaged or thought to be faulty. Contact your local service agent.
- Skin injection hazard. Keep away from nozzle.
- The control valve is continuous action. Be careful not to over lubricate.
- Defective accessories can lead to personal injury and material damage.

INSTALLATION

(Refer to "Exploded View")

1. Connect the extension (24) and grease coupler (23) onto the valve outlet (16). The connection between the extension (24) and valve outlet (16) must be tight. Use thread sealant to ensure a leak-proof joint.
2. Make sure that the air supply to the air operated grease pump, of which the control valve is to be installed, is **OFF**. Pump must be switched **OFF**.
3. Attach the pump outlet hose to the female threads of valve inlet (13).

CAUTION

- Make sure that the hose from the grease pump has mating threads or else use an adapter to match the two threads

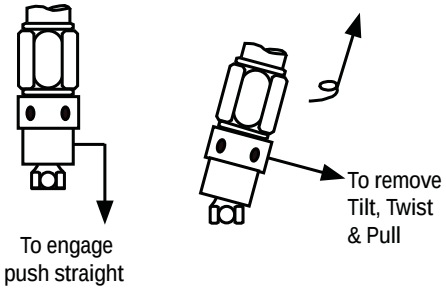
4. Since twisting of hose can cause the bend or kink, it is advisable to place a Z-Swivel between the valve inlet (13) and the hose. Use a thread sealant for a leak-proof joint.
5. Supply compressed air to the air motor of the grease pump. The pump starts operating when the handle (18) of the control valve is pressed. The pump will stop dispensing grease when the handle (18) is released.
   - This is a continuous flow valve & will keep dispensing grease till the handle (18) is pressed. Be careful not to over lubricate.
   - These control valves can be used up to a maximum grease pressure of 10,000 PSI (690 bar).
   - The grease control valve delivers the same grease output pressure as is produced by the air operated grease pump.

OPERATING INSTRUCTIONS

(Refer to "Exploded View")

Greasing a grease fitting / grease nipple

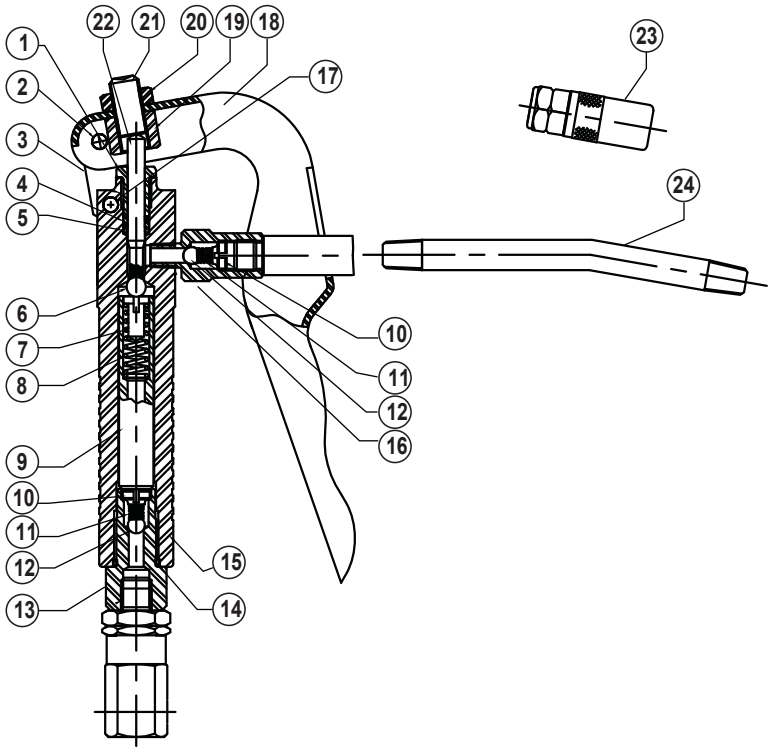
1. The grease coupler (23) provided at the end of the control valve extension (24) has a jaw type construction. The grease coupler jaws will snap on to a grease fitting and maintain a tight fit.
2. When connecting the grease coupler (23) to the grease fitting, press the grease coupler (23) straight onto the grease fitting to form a snug fit. Start operating the grease control valve with the grease coupler as aligned to the grease fitting as possible.
3. Once greasing is completed, slightly tilt the grease coupler (23), twist and pull back. The tilt and twist action will allow easy removal of the grease Coupler (23) from the grease fitting.



MAINTENANCE

- Grease control valves should be kept clean and checked for damage before each use. The control valve does not have any filters built in, it is therefore important that grease flowing into the valve is clean.
- Make sure grease pump has a filter at its inlet. If due to any reason, the valve fails to function, **NEVER OPEN THE VALVE**. Return product to the place of purchase for replacement if within the warranty guidelines.

EXPLODED VIEW



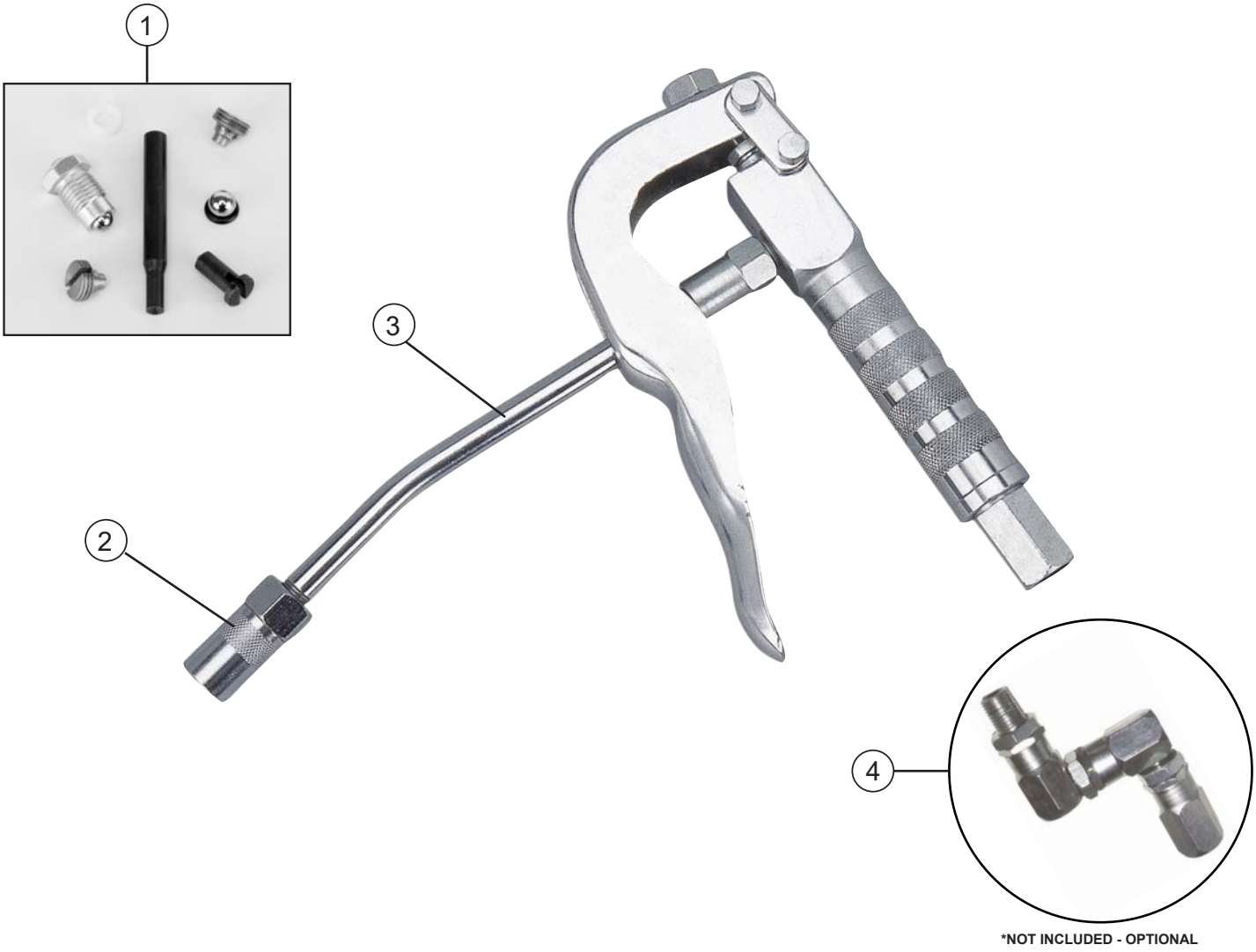
PART LIST

REF NO.	PARTS DESCRIPTION	QUANTITY
1	Rod Guide	1
2	Rivet	2
3	Side Clip	2
4	Teflon Washer	1
5	O-Ring	1
6	Steel Ball (1/4”)	1
7	Ball Retainer	1
8	Ball Spring	1
9	Cylinder	1
10	Valve Insert	2
11	Piston Check Spring	2
12	Steel Ball (7/32”)	2

REF NO.	PARTS DESCRIPTION	QUANTITY
13	Valve Inlet	1
14	O-Ring	1
15	Valve Body	1
16	Valve Outlet	1
17	Pivot Screw	2
18	Handle	1
19	High Nut	1
20	Lock Nut	1
21	Grub Screw	1
22	Piston	1
23	Grease Coupler	1
24	Extension (Rigid)	1

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	PRT15219-01	GREASE CONTROL VALVE REPAIR KIT (ZKIT/APG-06)	1
2	PRT15218-02	GREASE COUPLER (HC/12/4/N)	1
3	PRT15218-03	GREASE BEND PIPE (6") (GBP/6/N)	1
4	ATD-5253	(OPTIONAL) Z-SWIVEL (HFC/1-4F/1-4M/N)	1

TROUBLE SHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Grease flows without pressing the handle (18)	Grub screw (21) on top of the valve has been over-tightened, resulting in constant opening of the valve	Loosen the grub screw (21) by rotating it in the counter-clockwise direction.
	Damaged ball inside the valve body (15)	Replace the steel ball with the one in repair kit. (Refer to "REPLACEMENT PARTS" on Page 5) or return the product to the dealer for repairs if it falls within the warranty guidelines.
No grease flow when Handle (18) is pressed	Grub screw (21) on top of the valve may have become too loose	Tighten the grub screw (21) by rotating it in the clockwise direction.
	Valve may be blocked due to impurities in grease	Disconnect the grease supply hose from valve inlet (13) and carefully clean the valve using compressed air.
Grease leaking from top of the Valve	Worn seal inside the valve body (15)	Replace the seal with the one in repair kit. (Refer to "REPLACEMENT PARTS" on Page 5) or return the product to the dealer for repairs if it falls within the warranty guidelines.

DISPOSAL

The components or the used products must be given to companies that specialize in the disposal and recycling of industrial waste.

REPAIR OF CONTROL VALVE

(Refer to "Exploded View" on page 5)

PRT15219-01

NO.	DESCRIPTION	PARTS LIST REF NO.	QTY.
a.	Rod Guide	1	1
b.	Teflon Washer	4	1
c.	O-Ring	5	1
d.	Steel Ball (1/4")	6	1
e.	Ball Retainer	7	1
f.	Valve Insert	10	2
g.	Steel Ball (7/32")	12	2
h.	Piston	24	1

TOOLS NEEDED

- 11mm wrench
- 14mm wrench
- 19mm wrench
- 22mm wrench
- Screwdriver
- Scriber

CAUTION!

- Use thread sealants while reassembling the grease control valve.

1. Disconnect the extension (24) from the valve outlet (16), that will allow the handle (18) to move freely.

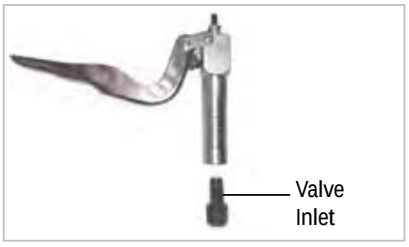
2. Remove the valve outlet (16) from the valve body (15)

3. Unscrew the valve insert (10), using a screwdriver, from the inside of valve outlet (16) and take out the piston check spring (11) and steel ball (7/32”) (12).

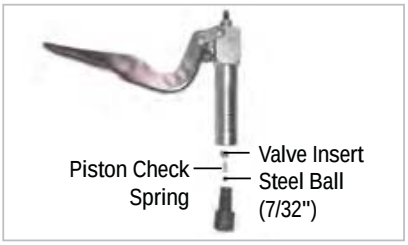
4. Replace the old steel ball (7/32”) (12) and valve insert (10) with the new ones from the repair kit.

5. Reassemble the valve outlet (16)

6. Open the valve inlet (13) and unscrew the valve insert (10)

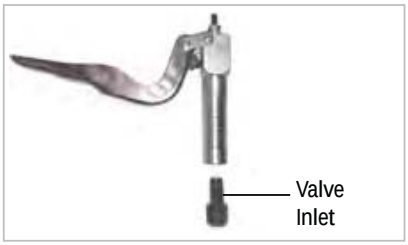


7. Remove the piston check spring (11) and steel ball (7/32") (12).

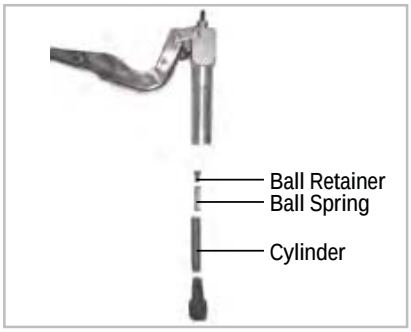


8. Again replace the old steel ball (7/32”) (12) and valve insert (10) of valve inlet (13) with the new ones from the repair kit.

9. Now thread tighten the valve insert (10) into the valve inlet (13).



10. Take out the cylinder (9) containing ball spring (8) and ball retainer (7) carefully.

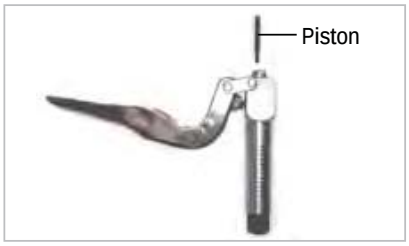


11. Tap the grease control valve on the floor from the bottom side to take out the steel ball (1/4”) (6).

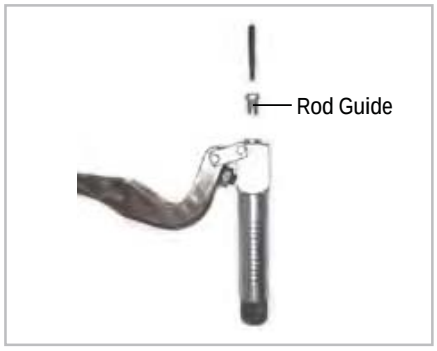
12. Replace the old steel ball (1/4”) (6), ball spring (8) and ball retainer (7) with the new ones from the repair kit.

13. Reassemble the lower side of the grease control valve and tighten it using a 19mm wrench.

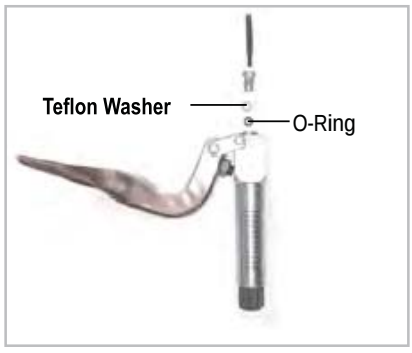
14. Pull out the piston (22) from the top of the grease control valve.



15. Unscrew the rod guide (1) using an 11mm wrench.



16. Take out the Teflon washer (4) and O-Ring (5) by tapping the grease control valve on the bench from the top side or with the help of scriber.



17. Replace the old parts with new parts (piston, rod guide, Teflon washer, O-Ring) from the repair kit.

18. Reassemble the upper part of the grease control valve

19. Attach the valve outlet (16) to the valve body (15)

20. Bring back the handle (18) to the original position and fix it in place

21. Thread tighten the extension (24) and grease coupler (23) onto the valve outlet (16).

This completes the replacement of repair kit.

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-15219 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]