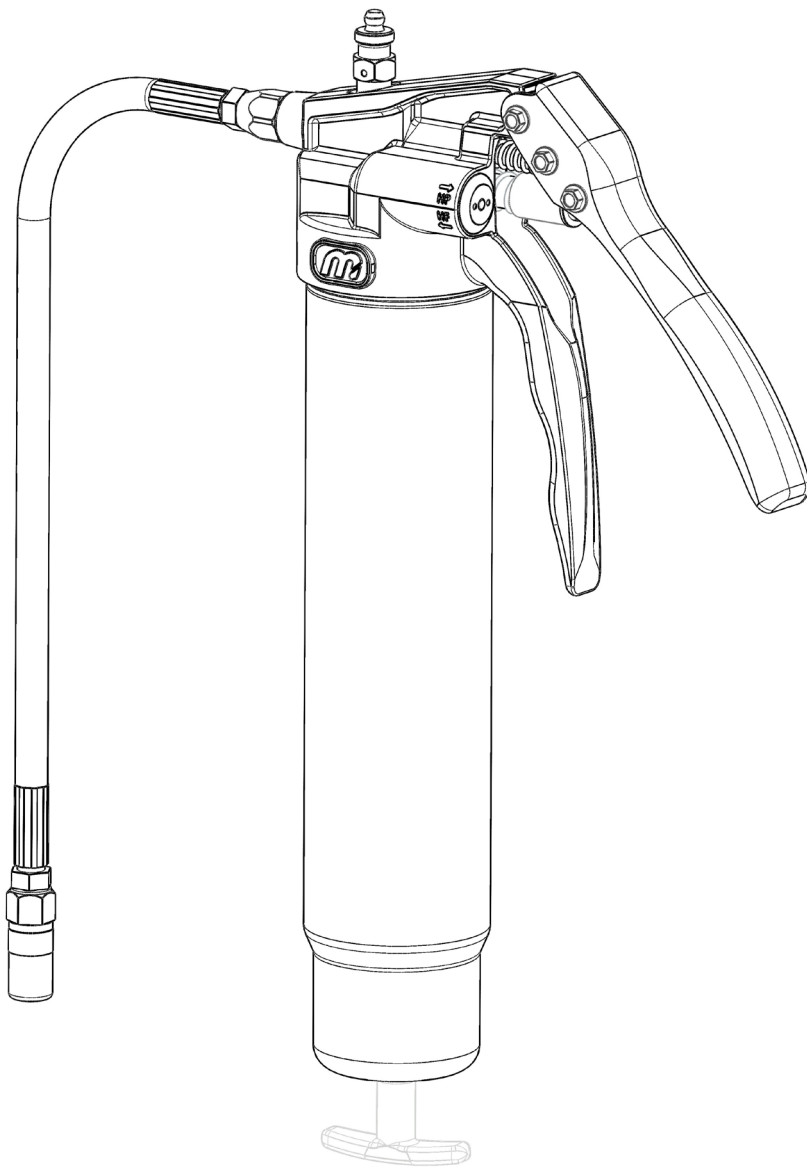


K75P/K74P AUTOSWITCH™



INSTRUCTION MANUAL



WARNING

- * Macnaught recommends the use of PPE equipment such as safety glasses, protective gloves, safety shoes etc before handling or using this product.
- * Continual use of this product can potentially cause RSI injury (especially hand or arm injury).
- * Do not modify or alter this product any way.
- * Use oil and fuel resistant thread tape or sealant on all threaded connections.
- * Never point the material outlet of the product at yourself or anyone else.
- * Ensure that any fluid spillage is cleaned up immediately to prevent slipping or injury.
- * Keep hands clear of any potential pinch points.
- * Only use genuine Macnaught replacement parts when repairing this product due to pressure rating.
- * Check for hose quality/no damage/cracks before use.
- * Only replace the hose with Macnaught brand service kit as it is rated for high pressure.

K75P-01 / K74P-01 AUTOSWITCH™

INSTRUCTION MANUAL

INTRODUCTION

Thank you for purchasing a Macnaught AutoSwitch™ Pistol Action Grease Gun with BSPT hose. The info provided in this instruction manual guide you through how-to-use and maintain your new innovative grease gun.

PLEASE MAKE SURE YOU READ THE SAFTY PAGE CAREFULLY BEFORE USE.

Read and retain this instruction manual to assist you in the operation and maintenance of this product. Cautions ⚠ and Warning ⚡ signs are listed throughout this manual to advise you of actions that may cause damage to yourself and your equipment.

PRODUCT DESCRIPTION

Your Macnaught AutoSwitch is a high-quality pistol action grease gun designed and engineered for durability, high pressure, and high-flow greasing, outperforming other manual grease guns on the market . A notable feature of this gun is its automatic switch between high-flow (0 to ~1500 psi) and high-pressure (~1500 psi to up to 12000 psi).

It is equipped with an indicator mechanism to illustrate the switching between high flow and high pressure. Additionally, the Q-Lock feature allows you to lock and secure the coupler on the gun when not in use. This helps maintain a clean workspace by preventing grease from oozing out of the hose when stored. For more information, please refer to the Q-Lock section of this manual.

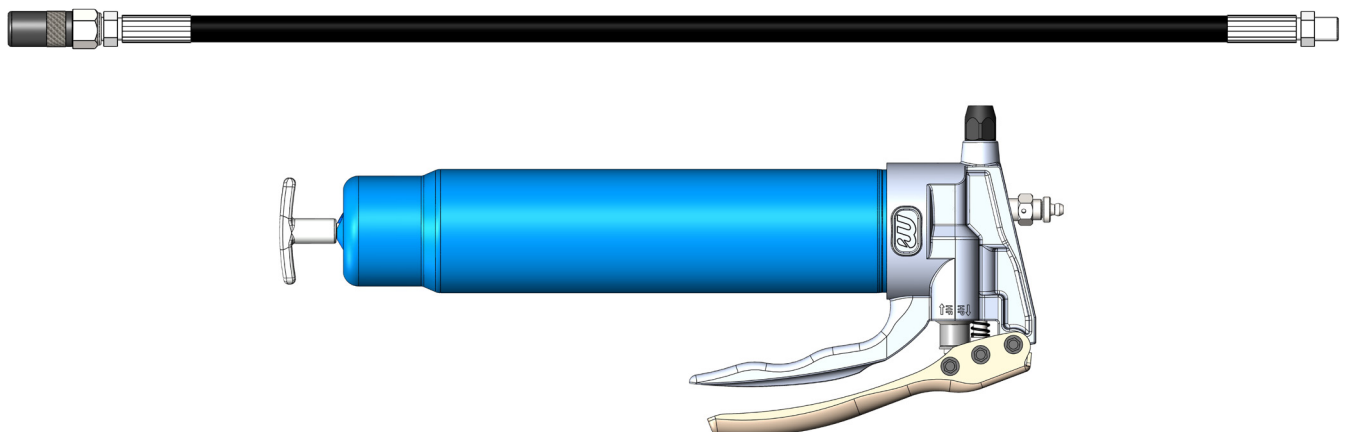
It is designed for use with cartridge or bulk grease. The filler/bleeder valve in the head also allows clean filling from 20kg (35lb) grease pails using a Macnaught "J3" Grease Gun Filler Pump.

Macnaught manufacture and supply an extensive range of flexible extensions and couplers to suit most greasing applications, refer to the Macnaught website for details.

PRODUCT INCLUSION

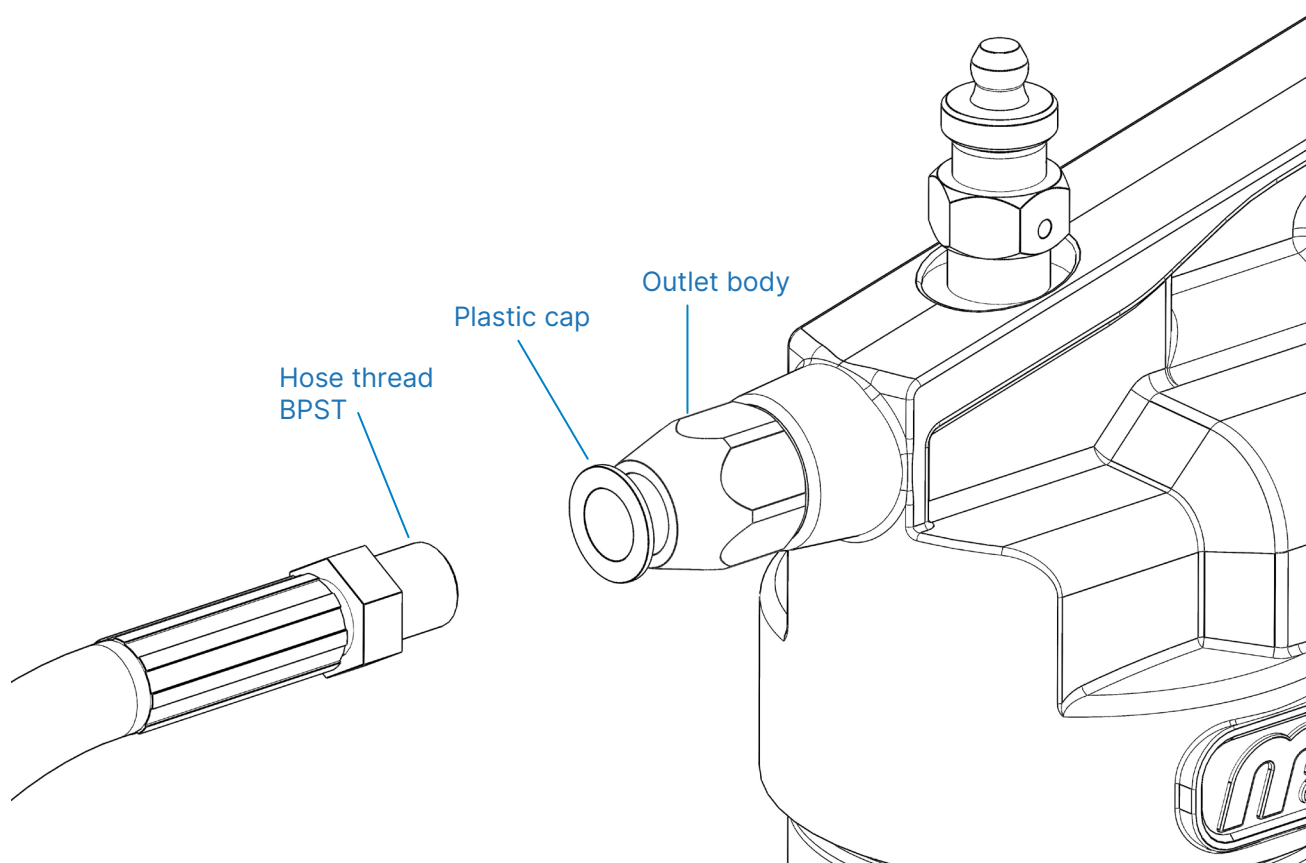
Below items are included in the box.

1. Grease gun assembly
2. 500mm (20") high pressure flexible BSPT hose assembly with KY Supergrip coupler.



INSTALLATION GUIDE

1. Apply two rounds of Teflon tape on the threaded ends of the hose.
2. Remove the protective plastic cap from the outlet body.
3. Securely tighten one end of the hose to the gun nozzle (outlet body) with 13mm wrench.



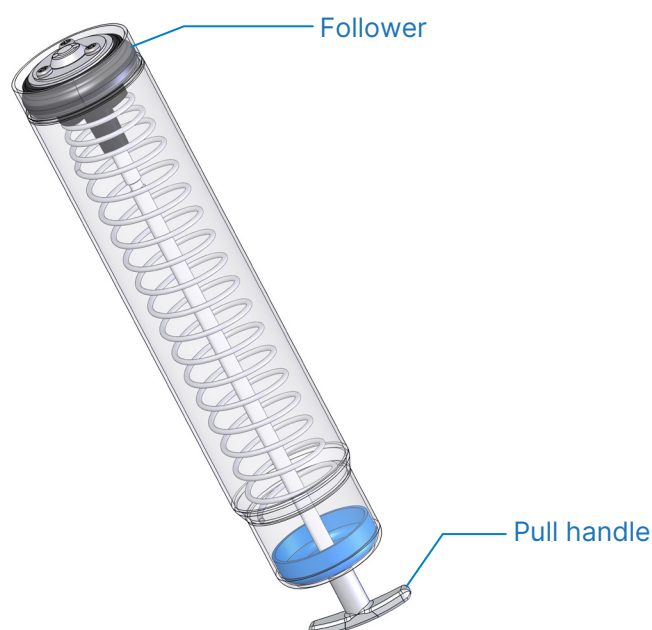
GREASE FILLING PROCEDURE



CAUTION:

Never allow any part of the human body to come in front of, or in direct contact with a material outlet.
Never point the nozzle of the gun at yourself or anyone else.

Caution must be observed when either unscrewing the barrel assembly or unscrewing the pull handle from the assembly as the large follower spring inside the barrel is energised.



GREASE FILLING PROCEDURE

Cartridge Fill:

1. Unscrew Barrel from the head and ensure that the follower is in the "Lock" position (Figure 1).
2. Select the cartridge Follower Position (Figure 2).
3. Pull the follower rod out until the groove in the rod aligns with the slot in the barrel end cap. Lock the rod into the end cap. (Figure 3).
4. Remove both caps from the grease cartridge. Insert the cartridge into the barrel with the larger open end first.
5. Ensure the seal washer is properly positioned in the gun body, then screw the barrel onto the head tightly.
6. Unlock the follower rod and remove any air pockets using the bleeder valve. For detailed instructions, please refer to the bleeding procedure section of the manual.

Bulk Fill:

1. Unscrew the barrel from the head and ensure that the follower rod is in the 'Lock' position within the follower plate, as illustrated in Figure 1.
2. Select the bulk Follower Position (Figure 2).
3. Insert the barrel into the grease and slowly pull the follower rod out while pushing the barrel further into the grease (see Figure 4).
4. Pull the rod until the groove in the rod aligns with the slot in the end cap, lock the rod into the end cap slot (Figure 3).
5. Ensure the seal washer is properly positioned in the gun body, then screw the barrel onto the head tightly.
6. Unlock the follower rod and remove any air pockets using the bleeder valve. For detailed instructions, please refer to the bleeding procedure section of the manual.

Using a Macnaught J3 filler pump:

1. Unscrew the barrel from the head and ensure that the follower rod is in the 'Lock' position within the follower plate, as illustrated in Figure 1.
2. Select the bulk Follower Position and screw the barrel back into the head tightly (Figure 2).
3. Push the grease gun Filler Bleeder valve into the J3 pump Filler Nozzle (see Figure 5).
4. Hold the gun firmly onto the pump Filler Nozzle and slowly pump the handle. The follower rod will slowly move out of the back of the barrel, as the follower rod is locked to the follower plate.
5. Stop pumping when the groove in the follower rod becomes visible. Overfilling can cause grease to bypass the follower.
6. Remove any air pockets using the bleeder valve. For detailed instructions, please refer to the bleeding procedure section of the manual.

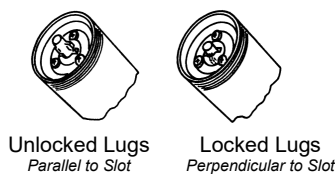


Figure 1

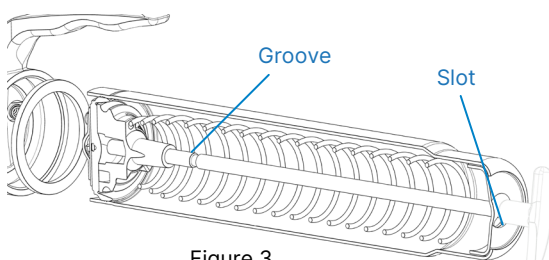


Figure 3

GREASE	FOLLOWER POSITION
Bulk	 Push
Cartridge	 Push

Figure 2



Figure 4



Figure 5

BLEEDING PROCEDURE

1. Bleed the air from the grease gun by slightly unscrewing the Filler Bleeder after releasing the rod groove from the barrel slot.
2. Gently push the follower rod against a secure surface. Once you see a small amount of grease discharge, tighten the Filler Bleeder (see Figure 6).



CAUTION:

Never fully remove the Filler Bleeder valve when the barrel is energised.

3. Wipe away any excess grease around the valve.
4. Pump the gun a few times to ensure grease is dispensing from the coupler. A slight resistance will be felt if the grease is flowing through the internal channels. If not, follow the steps below:
5. Loosen the bleeder valve thumb screw a few turns and continue pumping until grease is dispensed from the bleeding port (Figure 6).
6. Tighten the thumb screw and wipe away any excess grease.

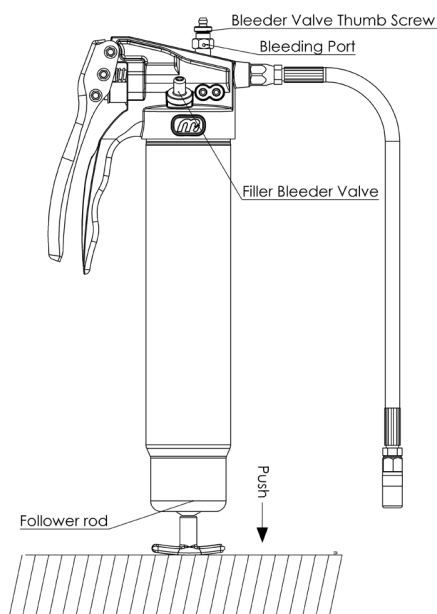
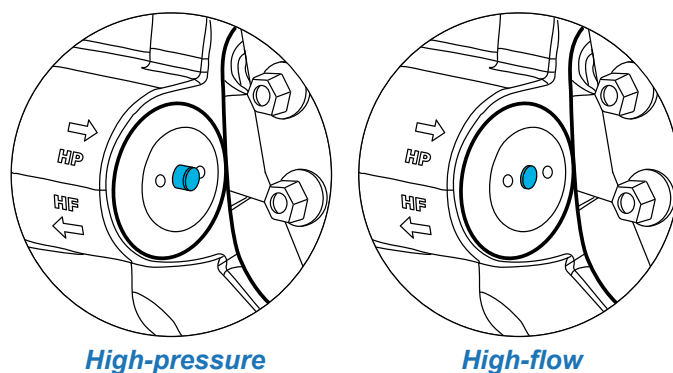


Figure 6

HIGH PRESSURE INDICATOR

The High Flow (HF) / High Pressure (HP) pin indicator informs the user of a change in output pressure. The blue pin will protrude when the pressure exceeds approximately 1500 psi after a couple of strokes and will retract once the grease flows through the blockage. The pressure can reach up to 12,000 psi after observing the blue pin action.



WARNING:

The gun can reach its maximum pressure with 15 trigger actions (strokes) if there is a blockage at the grease nipple. If after 15 trigger actions you still experience an increasing resistance on the trigger and HF/HP indicator pin is out, stop using the gun immediately. Inspect the grease nipple and use a grease fitting unblocker if necessary.

Q-LOCK FEATURE

The Q-Lock feature utilises a zerk grease fitting profile located at the top of the bleeder valve thumb screw to lock the hose coupler, similar to how it is secured on standard grease fittings. The difference is that the provided fitting is blocked and is used only to hold the coupler in place, as illustrated in Figure 7



CAUTION:

- Never hang the gun by the hose loop created using this feature.
- Never pump the gun while the hose coupler is locked in place using this feature.

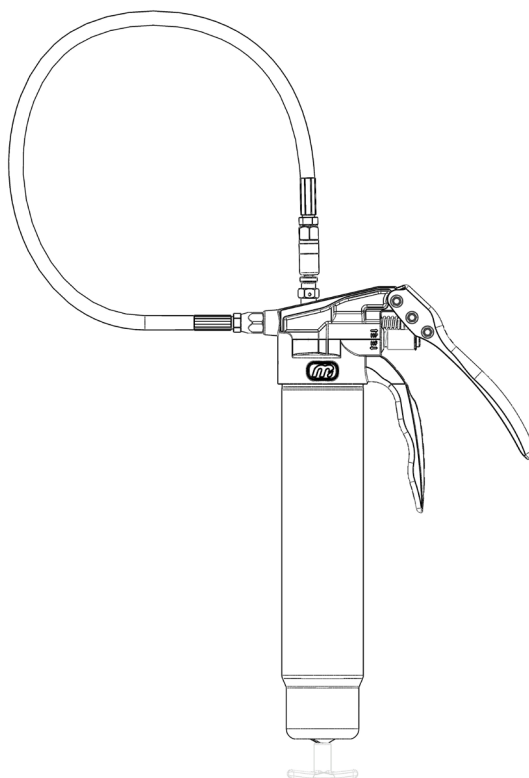
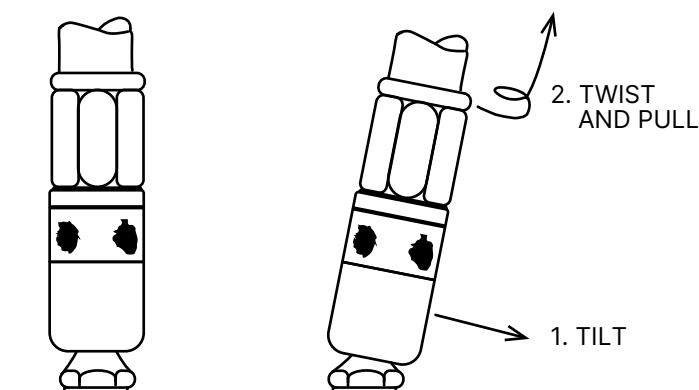


Figure 7

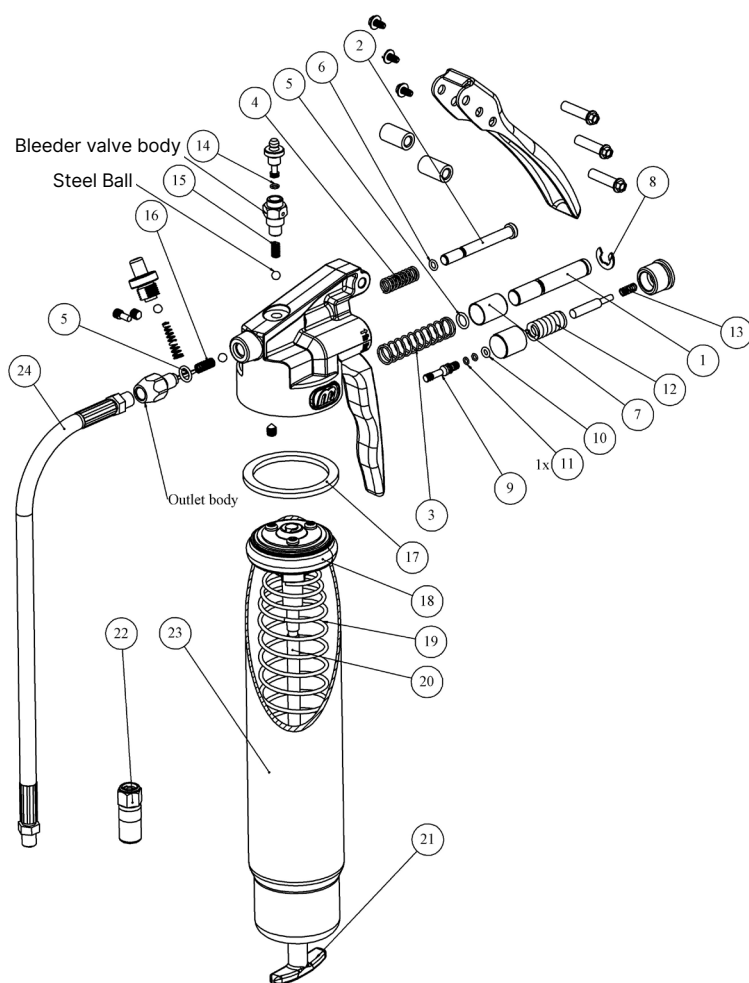
COUPLER REMOVAL INSTRUCTION

THE CORRECT METHOD FOR REMOVING THE KY COUPLER FROM A GREASE NIPPLE



EXPLODED DIAGRAM OF K75P-01 (450G)

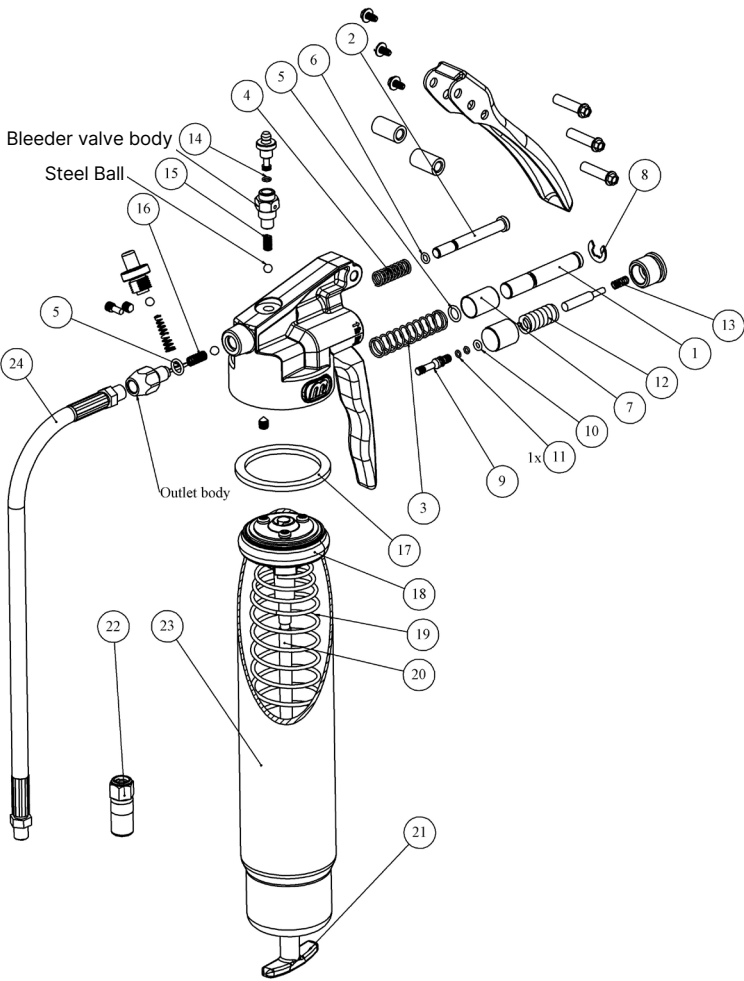
NOTES: Kit parts are not available individually.



Order for replacement			
Item No	Parts or Kits	No off	Part name
1	K75S-1K	1	HF piston
2		1	HP piston
3		1	HF spring
4		1	HP spring
5		2	O-ring BS011
6		1	O-ring 4.5x1.5
7		1	Stop sleeve
8		1	Circlip
9		1	Spool valve
10		1	O-ring BS007
11		2	O-ring 3x1
12		1	Die spring
13		1	Blue Pin spring
14		1	O-ring 4x1
15		1	Bleeder spring
16	K27-2K	1	Outlet spring
17		1	Sealing washer
18		1	Follower Assy
19	KF36S	1	Follower spring
20		1	Follower rod
21	KY	1	Pull handle
22		1	Coupler
23	KF111S	1	450G Barrel Assy
24	SG119S	1	HP BSPT hose

EXPLODED DIAGRAM OF K74P-01 (400G)

NOTES: Kit parts are not available individually.



Order for replacement			
Item No	Parts or Kits	No off	Part name
1	K75S-1K	1	HF piston
2		1	HP piston
3		1	HF spring
4		1	HP spring
5		2	O-ring BS011
6		1	O-ring 4.5x1.5
7		1	Stop sleeve
8		1	Circlip
9		1	Spool valve
10		1	O-ring BS007
11		2	O-ring 3x1
12		1	Die spring
13		1	Blue Pin spring
14		1	O-ring 4x1
15		1	Bleeder spring
16		1	Outlet spring
17	KF14A-2K	1	Sealing washer
18		1	Follower Assy
19		1	Follower spring
20	KF35S	1	Follower rod
21		1	Pull handle
22	KY	1	Coupler
23	KF27S	1	400G Barrel Assy
24	SG119S	1	HP BSPT hose

HEAD UNIT SERVICE: K75P-01/K74P-01

Service instructions for service kit (K75S-1K) are provided below in Sections 1 through 5. The kit includes all necessary pistons, O-rings, and springs to restore the grease gun (K75P-01 and K74P-01) to optimal performance.

CAUTION:

- Make sure the barrel follower is NOT energised before beginning disassembly.
- For ease of disassembly, remove the barrel.
- Ensure assembly area is free of dust and contamination in all servicing operations.
- Be cautious not to scratch the sealing surface when removing O-rings.

1. Pistons/Springs/O-rings replacement instructions:

1. Use two 1/4" spanners to remove the pivot screw from the pivot pin as it is shown in Figure 8.
2. Keep the handle in the pressed position while removing the pivot pin. This ensures the pin holes are aligned, allowing the pin to be removed with ease.

CAUTION:

- **Never force the pivot pin out when handle is not held securely.**
 - **Be cautious not to scratch the sealing surface when removing the O-rings.**
3. Once the pin is out, slowly remove the handle and parts from the gun body.
 4. Replace parts and reassemble.

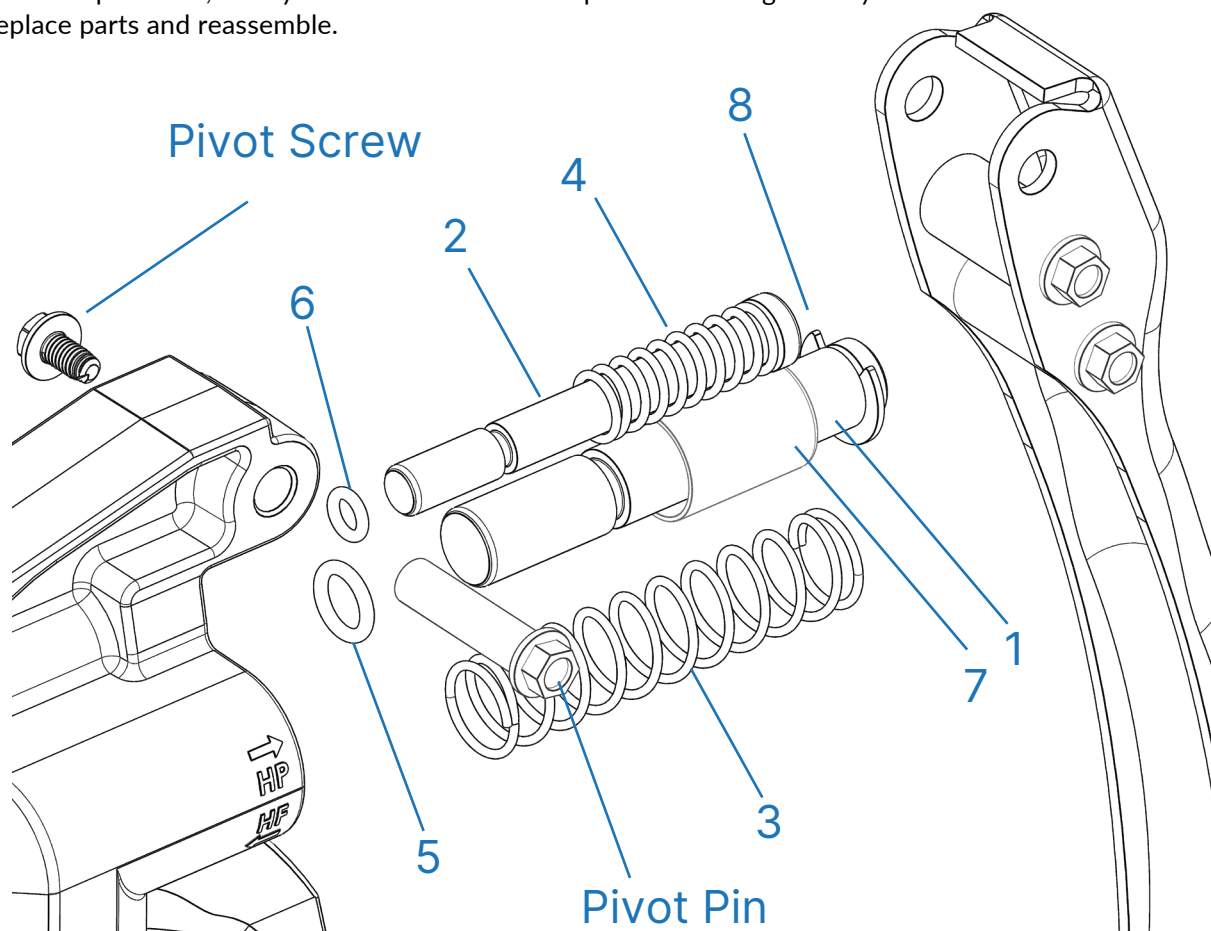


Figure 8

2. Blue pin spool valve/O-rings replacement instruction:

Disassembly steps:

CAUTION:

- Make sure the barrel follower is NOT energised before beginning disassembly.
- For ease of disassembly, remove the barrel.

1. Use circlip pliers to turn the valve cover counterclockwise until it is detached from the gun body. (See Figure 9)
2. Remove the indicator pin subassembly.
3. Use the provided M5 tool to pull the Spool valve out of the body. Some force might be required.
4. Replace the spool valve plunger (9) and O-rings as well as the springs (12,13)

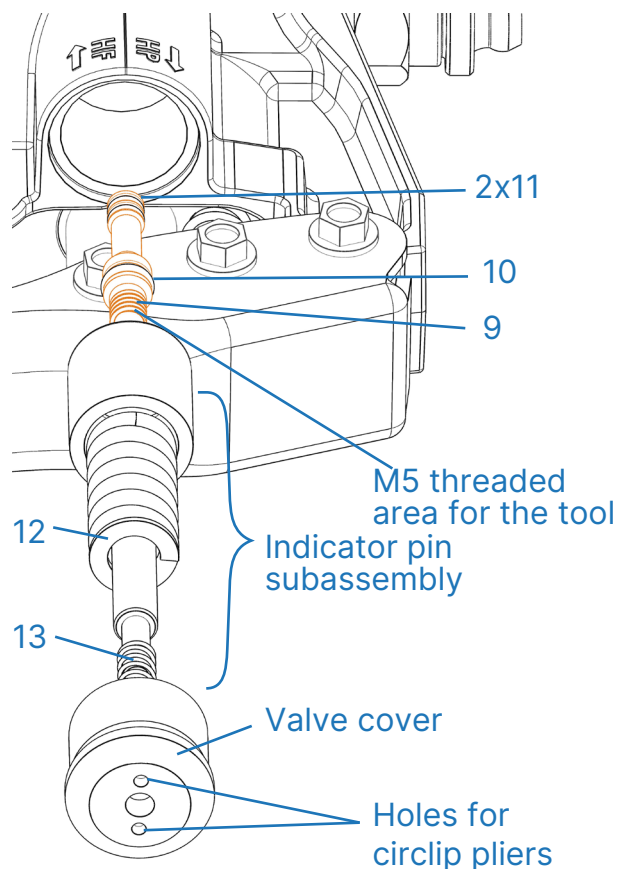


Figure 9

Reassembly steps:

1. Use the M5 tool to push the spool valve plunger back into the gun body, then remove the tool.
2. Position the indicator pin subassembly on top of the valve cover vertically and insert them into the gun body
3. Hand-tighten the valve as much as possible in the vertical position. (see Figure 10)
4. Continue tightening the valve cover with the circlip pliers.

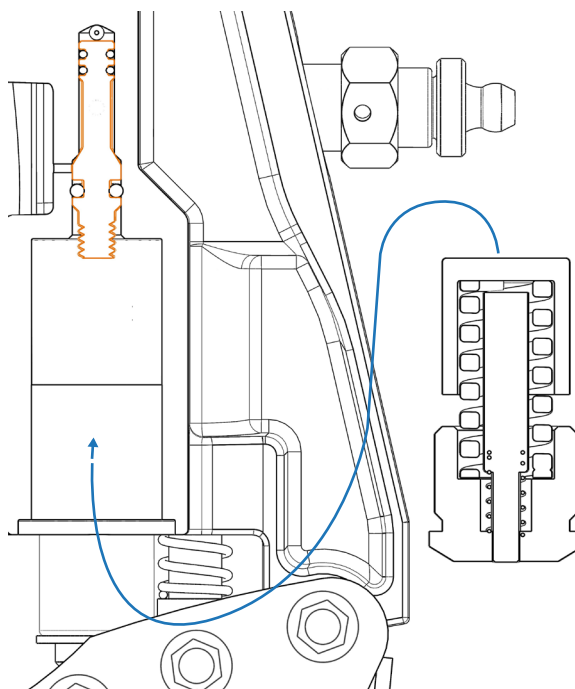


Figure 10

3. Thumb screw O-ring replacement instructions:



CAUTION:

Make sure the barrel follower is NOT energised before beginning disassembly.

1. Turn the thumb screw counterclockwise until it is detached from the bleeder valve body. (See Figure 11)
2. Use a small flathead screwdriver to gently pry out the old O-ring (14). Be cautious not to scratch the sealing surface.
3. Replace the O-ring and tighten the thumb screw back into the valve body.

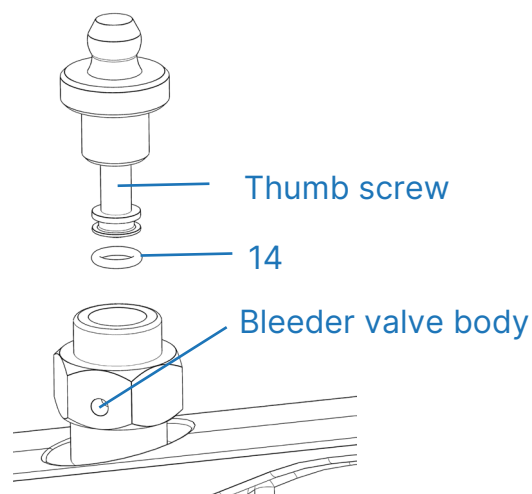


Figure 11

4. Valve body spring replacement instructions:

1. Remove the valve body assembly with a 14mm wrench. (See Figure 12)
2. Replace the spring and then reattach the valve body to the gun body, tightening it securely.

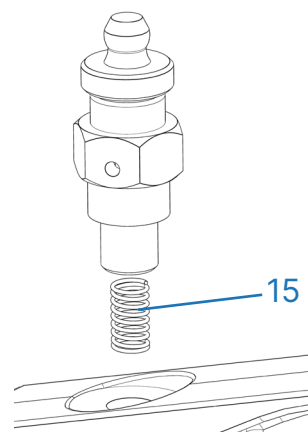


Figure 12

5. Outlet body O-ring/Spring replacement instructions:

1. Remove the nozzle and hose assembly out of the gun body. (See Figure 13)
2. Replace the O-ring (5) and spring (16) then reattach the nozzle to the gun body, tightening it securely.

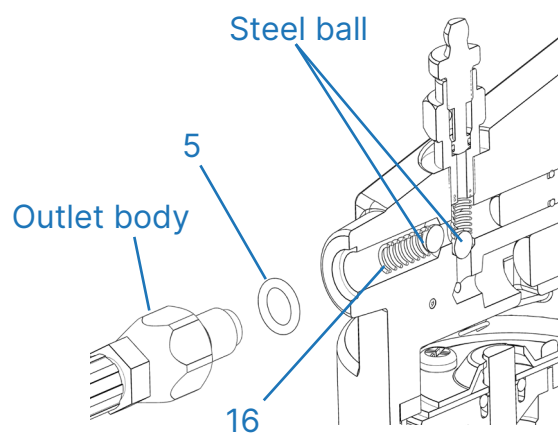


Figure 13



CAUTION:

Ensure that the springs and steel balls are properly in place as shown in Figure 13 before reassembly of the replacement instructions 4 and 5.

BARREL / FOLLOWER SERVICE KITS - K75P-01

6. Barrel and follower service kits:

KF111S kit inclusion:

The kit includes the complete pre-assembled barrel for 450g.

K27-2K kit replacement parts list:

- Follower assembly (18)
- Sealing washer (17)

KF36S kit replacement parts list:

- Follower rod (20)
- Spring (19)
- Pull handle (21)

Barrel disassembly instructions:



CAUTION:

Make sure the barrel follower is NOT energised before disassembling the barrel from the gun body.

1. Once the barrel assembly is removed, clean the excess grease off the barrel.
2. Push the follower out off the barrel.
3. Retain the end of the rod and unscrew the pull handle. Remove the spring and follower.



CAUTION:

The spring is slightly energised, so exercise caution when removing the pull handle.

4. For K27-2K– Replace the sealing washer and reassemble the barrel using the new follower.
5. For KF36S– Replace the spring, rod and pull handle and reassemble the barrel.

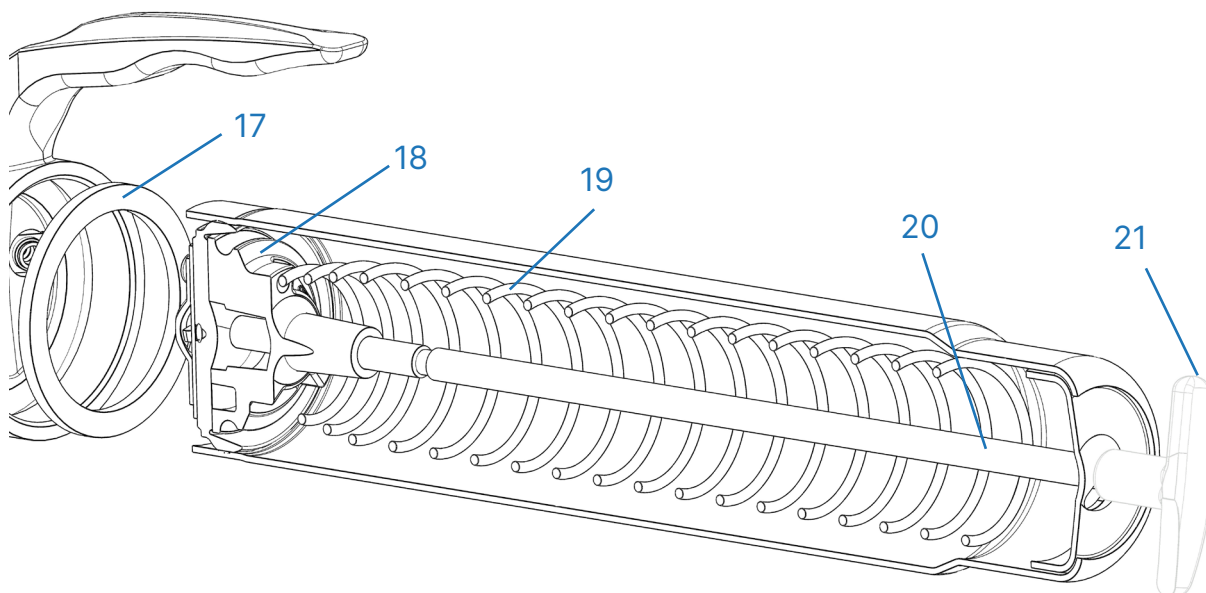


Figure 14

BARREL / FOLLOWER SERVICE KITS - K74P-01

6. Barrel and follower service kits:

KF27S kit inclusion:

The kit includes the complete pre-assembled barrel for 400g.

KF14A-2K kit replacement parts list:

- Follower assembly (18)
- Sealing washer (17)

KF35S kit replacement parts list:

- Follower rod (20)
- Spring (19)
- Pull handle (21)

Barrel disassembly instructions:



CAUTION:

Make sure the barrel follower is NOT energised before disassembling the barrel from the gun body.

1. Once the barrel assembly is removed, clean the excess grease off the barrel.
2. Push the follower out off the barrel.
3. Retain the end of the rod and unscrew the pull handle. Remove the spring and follower.



CAUTION:

The spring is slightly energised, so exercise caution when removing the pull handle.

4. For KF14A-2K- Replace the sealing washer and reassemble the barrel using the new follower.
5. For KF35S- Replace the spring, rod and pull handle and reassemble the barrel.

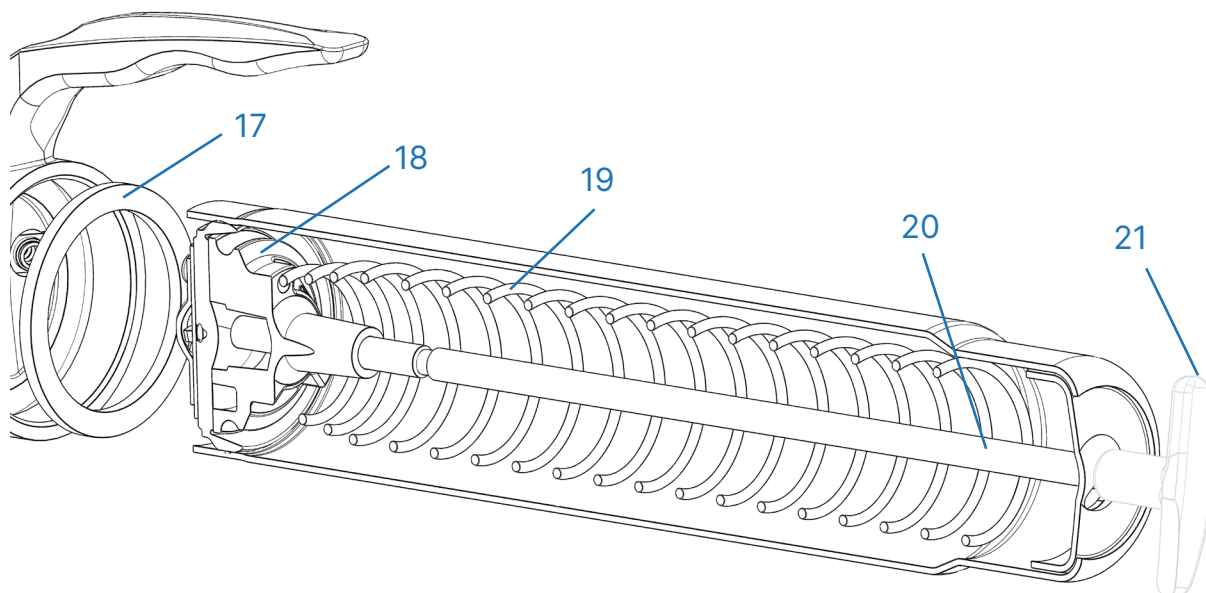


Figure 15

TROUBLESHOOTING GUIDE

Problem	Cause	Remedy/Remark
Gun pumps little or no grease	Air lock—Follower stuck in cartridge	Check the condition of the cartridge, replace if necessary
		Lock the follower rod and push the follower into the cartridge while pumping.
	Air lock—Grease too thick or cold	Choose an appropriate grease for the temperature conditions
	Bleeding procedure has not been completed	Please refer to Bleeding Procedure section.
	Worn or damaged piston O-Ring	Replace O-ring according to the service kit instructions.
Grease leaks past the follower	Follower O-ring is damaged	Replace the follower assembly following the instructions provided with the K27-2K (450g) or KF14A-2K (400g) in section 6 of the replacement kit.
	Overfilling gun when using filler pump	Stop pumping filler pump when groove on piston rod is visible at the back of barrel
	Follower in wrong position for bulk grease	If using bulk filling grease, follower must be in the forward position
The blue pin high-pressure indicator is moving in and out with each stroke	The steel balls do not properly seal against back pressure due to contamination	Disassemble and clean the parts with compressed air. The steel ball needs to be firmly tapped into place to ensure the seat is properly set.
	The O-rings on the spool valve (9) are worn	Replace the O-ring according to the instructions in Section 2 of the replacement kit.
Pressure drop and a spongy feel with each stroke action.	Leaks in either connection points including bleeder valve body, outlet body, the hose connections and piston ends.	For leaks on the valve body (bleeding port), replace the O-ring according to the instructions in Section 3 of the replacement kit.
		For leaks at the outlet body connection and the gun body, replace the O-ring according to the instructions in Section 4 of the replacement kit.
		For leaks at the hose connection, first tighten the hose connectors. If the leak persists, reapply Teflon tape.
		For leaks from the pistons, replace the O-ring according to the instructions in Section 1 of the replacement kit.



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Note:

This product should be disposed of according to all applicable local and national government environment regulations and guidelines.



For Warranty Terms and Conditions see macnaught.com.au
For a list of Australian Service Centres see macnaught.com.au