



MACNAUGHT®

The experts in fluid technology

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K32 FLEXIGUN

Thank you for purchasing a Macnaught K32 single hand operated grease gun.

Please read and retain this instruction sheet to assist you in the operation and maintenance of this quality product.

DESCRIPTION

Your Macnaught Flexigun is a pistol grip type grease gun complete with high pressure flexible grease hose for easy access to those hard to reach grease points.

It is designed for use with 400g cartridges or bulk grease. The filler/bleeder valve in the head also allows clean filling from 20kg (35lb) grease pails using a Macnaught "J2" Grease Gun Filler Pump.

The "variable stroke" feature of this grease gun allows you to achieve higher greasing pressures using short piston strokes or high volume with a full stroke.



CAUTION

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

IMPORTANT

To select the correct follower position for bulk fill or cartridge

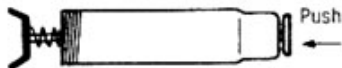
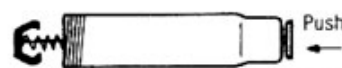
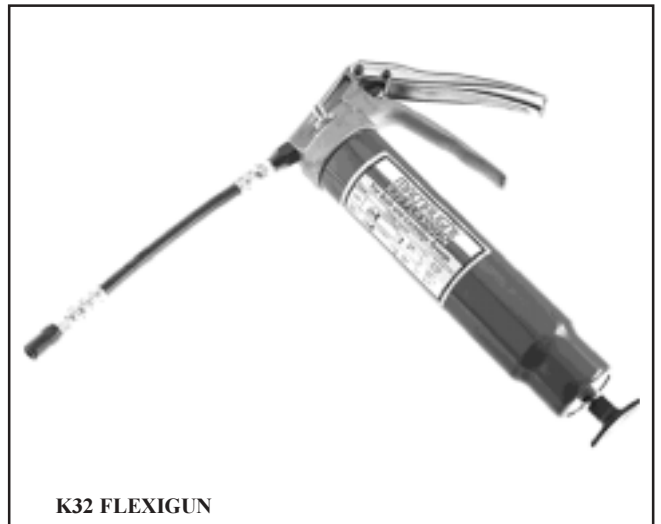
Grease	Follower Position
BULK	 Push
CART-RIDGE	 Push

Fig 1

1. Loading Gun with Grease

If Using Cartridge Grease:-

A) Unscrew Barrel and "Lock" Follower (see Fig 4)



K32 FLEXIGUN

B) Pull Follower Rod out until groove in rod can be moved into slot in Barrel End Cap, lock the rod into end cap.

C) Remove both caps from grease cartridge. Insert into Barrel, larger open end first. Screw barrel to head tightly.

D) Bleed air from grease (see Fig 5).

If Using Bulk Grease:-

Select the correct follower position (see Fig 1)

A) Unscrew Barrel and lock Follower (see Fig 4).

B) Insert Barrel into grease and slowly pull Follower Rod out while pushing Barrel further into grease (see Fig 2).



Fig 2



Fig 3

- C) When groove in rod lines up with slot in end cap, lock rod in end cap.
- D) Wipe excess grease from outside of Barrel then screw Barrel to head tightly.
- E) Bleed air from grease (see Fig 5).

If Using J2 filler Pump:-

- A) “lock” Follower to Follower Rod (see Fig 4).
- B) Push Filler/Bleeder Valve into J2 Pump outlet (see Fig 3).
- C) Hold Flexigun and pump J2 handle. The Follower Rod will slowly move out the end of the barrel because the Follower is “locked” to the rod.
- D) Stop pumping when groove in Follower Rod is visible. Overfilling can cause grease to by-pass the follower.
- E) Bleed air from grease (see Fig 5).

1. How To “Lock the Follower

There is a slot in the front face plate of the Follower Assy. The Follower Rod has a matching lug which allows the Rod to be “locked” to the Follower so force can be applied to the Follower to expel any air pockets in the grease.

To “lock” the Follower, align the Follower Rod lug and Follower slot. Pull the Rod back then turn through 90 deg.

Fig4



UNLOCKED LUGS
PARRALLEL TO SLOT

LOCKED LUGS
90 DEG TO SLOT

To “unlock” the Follower, gently push and turn the Follower Rod. When the lug and slot are aligned, the Rod will be free to move through the follower.

3) To Bleed Air From Grease

Normally there is no need to bleed air through the Filler/ Bleeder Valve. The gun will self bleed by pumping the handle 5 to 10 times.

After each reload of grease:

- A) Release the Follower Rod from the End Cap.
- B) Gently push and turn the rod until it goes fully into the barrel.

Pump the handle until grease appears at the coupler (usually 5 to 10 times is sufficient).

If the grease is thick, cold or “tacky”, or an air-lock is caused by the follower sticking in the cartridge;

Force air out through the Filler/Bleeder valve:

Important:- Follower must be “locked” to rod (see Fig 4).

- A) Release Follower Rod From slot in end cap.
- B) Unscrew the Filler/Bleeder Valve two full turns (see Fig 5).

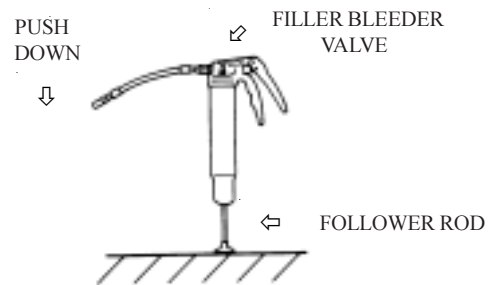
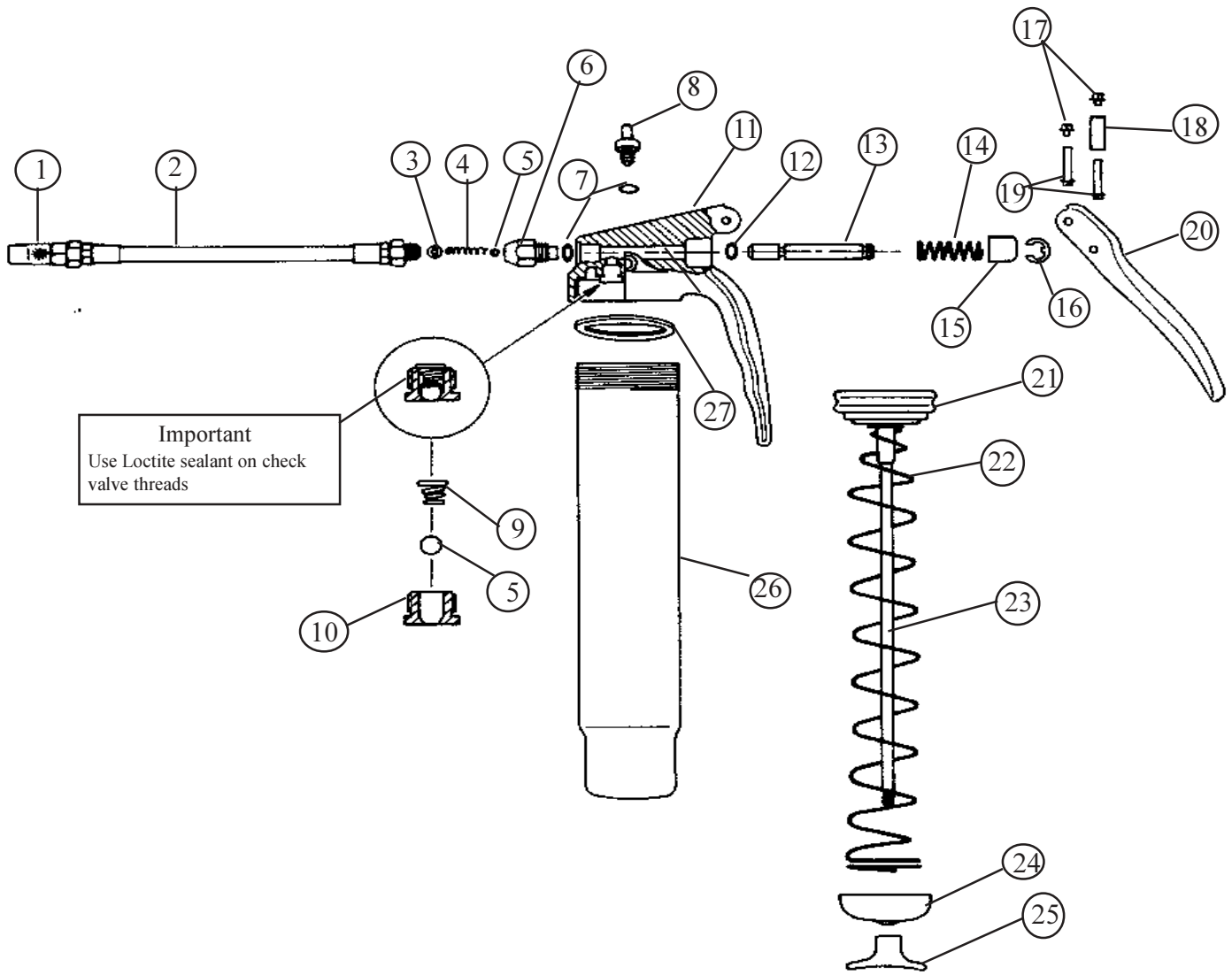


Fig5

- C) Place the rod Pull Handle on a flat surface and push gun down firmly (see fig 5). Some grease will appear before air is expelled.
- D) Close the Filler/Bleeder Valve by hand, firmly.
- E) Gently push and turn the Follower Rod until it goes fully into the Barrel.

4) The Variable Stroke Feature

Your Flexigun is fitted with an extra Check Valve which allows you to use shorter hand strokes for fast easy greasing and achieve higher pressures. The Handle does not have to return all the way to its original position before the next pumping stroke.



				Order for replacement		
Item No	Part No	No off	Part or set	Kit Ref	Part name	
			K32-1K (KIT A)		OVERHAUL KIT	
21			KF14A-1K (KIT B)	B	FOLLOWER KIT	
1	KY	1	KY		Coupler	
2	KF9	1	KF9		Flexible hose Assy'	
3	KD64	1	KF126s	A	Spring keeper	
4	KF32	1		A	Outlet ball spring	
5	N400	2		A	1/4" Steel ball	
6	KF118	1		A	Outlet body	
7	BS013	2		A	O'Ring	
8	KF75	1		A	Filler/Bleeder valve	
9	KF109	1		A	Check valve spring	
10	KF107	1		A	Check valve body	
11	KF138	1		KF138s (incl N158)		Body
12	BS011	1		KF122s	A	O'Ring
13	KF108	1	A		Piston	
14	KF64	1	A		Piston spring	
15	KF65	1	A		Piston sleeve	
16	N252	1	A		Circlip	
17	N550	2	A		Retainer screw	
18	KF19	1	A		Piston roller	
19	KF70	2	A		Pivot pin	
20	KF129	1	KF129s		Handle	
22	KF104	1	KF25s		Follower spring	
23	KF25	1			Follower rod	
25	KB13	1			Pull Handle	
26	KF27	1	KF27s		Barrel	
24	KF26	1			End cap	
27	N158	1		B	Seal washer	

TROUBLE SHOOTING GUIDE

Problem	Cause	Remedy
1) Gun pumps little or no grease.	<p>A) Air lock – Follower stuck in cartridge.</p> <p>B) Air lock – Grease too thick or cold.</p> <p>C) Check valve (10) ball seat damaged or dirty.</p> <p>D) Body outlet (14) ball seat dirty or damaged</p> <p>E) Worn or damaged Piston O-ring.</p>	<p>A) 1) Check condition of cartridge. Replace if damaged. 2) "Lock" follower to rod (refer fig 4) and push follower into cartridge.</p> <p>B) 1) Consult grease supplier. 2) Store grease gun and grease away from extreme cold.</p> <p>C) 1) Remove check valve (10). 2) Clean and inspect all components. Replace as Required. 3) Important - use Loctite (or similar) thread sealant on check valve threads.</p> <p>D) 1) Remove ball (3) and spring (4). 2) Disassemble, clean, and inspect all components. Replace as required.</p> <p>E) 1) Remove handle (20). 2) Pull out plunger (13). 3) Replace O-ring (12).</p>
2) Grease leaks past follower	<p>A) Follower (21) damaged or perished.</p> <p>B) Over filling gun when using filler pump</p>	<p>A) Replace follower (21).</p> <p>B) Stop pumping filler pump when groove on piston rod is visible at the back of barrel. Refer to filling instructions</p>

WARRANTY POLICY

Macnaught Limited ("Macnaught") warrants that Products purchased after 1st of July 1999 will be free from any defects caused by faulty materials or workmanship for a period of (5) years from the date of purchase of the product.

For componentry contained in the product which are subject to wear, the warranty period will be (12) months from the date of purchase of the product.

Provided that during the Warranty period:

- 1) Macnaught receives notice setting out full details of any defect in any product and details of the time and place of purchase.
- 2) The Purchaser, at their own cost returns the product to the nearest authorized Macnaught service center.

Macnaught shall, at its option repair or replace any product found defective by its inspection.

This warranty does not cover failure of parts or components due to normal wear or damage, which in the judgment of Macnaught, arises from misuse, abrasion corrosion, negligence, accident, substitution of non-Macnaught parts, faulty installation or tampering.

If Macnaught inspection discloses no defect in material or workmanship, repair or replacement and return will be made at customary charges.

Macnaught's liability and the purchaser's rights under this Warranty shall be limited to such repair or replacement and in particular, shall not extend to any direct, special, indirect or consequential damage or losses of any nature.

The foregoing warranty supersedes, voids and is in lieu of all or any other warranties. Note:

This warranty does not form part of, nor does it constitute, a contract between Macnaught and the purchaser. It is additional to any warranty given by the seller of the products and does not exclude, limit, restrict or modify the rights and remedies conferred upon the purchaser, or the liabilities imposed on the seller, by any statute or other laws in respect of the sale of the product.

