

The experts in fluid technology

## K53 & K54 AIR OPERATED POWER PISTOL INSTRUCTION MANUAL

Thank you for purchasing a Macnaught air operated Power Pistol.

The Macnaught Power Pistol models K53(450g) and K54(400g) are single shot air operated grease guns, suitable for bulk, cartridge or grease pump filling with greases up to and including NLGI No.2 consistency.

A wide range of Macnaught greasing accessories including Flexible Extensions, Needle Point Couplers, Adaptors and Button Head Couplers are available from your Macnaught dealer.

Please read and retain this instruction sheet to assist you in assembly and maintenance of this product.

### OPERATION

The Power-Pistol injects a single shot of grease at each pull of the trigger, enabling the user to control the amount of grease delivered. The trigger must be completely pulled back to achieve maximum pressure. Exhaust air will exit behind the trigger.

### ⚠ CAUTION

Always disconnect the air supply line before servicing

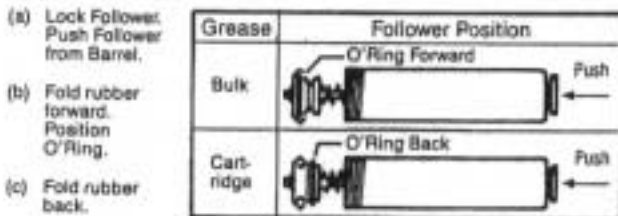
### SELECT FOLLOWER POSITION

Note:

Refer to Fig 1 for the correct follower position for the K53

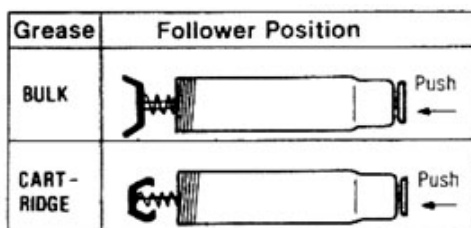
Refer to Fig 2 for the correct follower position for the K54

#### How to select Follower position (K53 only)

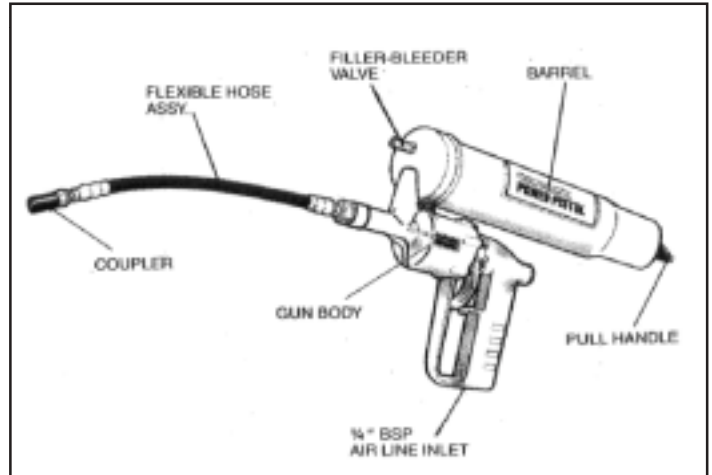


(Fig 1)

#### How to select Follower position (K54 only)



(Fig 2)



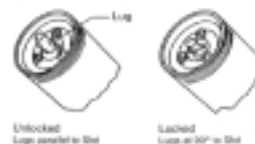
### HOW TO BULK FILL BY SUCTION

Note: Select the correct follower position (see Fig 1 for K53 or Fig 2 for K54)

- 1) Lock follower (Fig 3)
- 2) Unscrew the barrel from the gun body 2 to 3 turns.
- 3) Pull the rod back and retain in barrel slot (Fig.4)
- 4) Unscrew the barrel from the gun body.
- 5) Release the follower rod from the barrel slot.
- 6) Insert the open end of the barrel into the grease, pull the rod back slowly, and at the same time push the barrel into the grease. Pull back the rod until the groove in the rod appears then push the rod into the barrel slot.
- 7) Wipe clean and screw the gun body assembly onto the barrel.
- 8) Unlock the follower rod from the barrel and apply light pressure on the pull handle (Fig.6), at the same time press the ball in the filler bleeder until grease appears.
- 9) Connect the air and pull the trigger several times. If grease does not appear at the coupler repeat step 8.
- 10) Unlock the follower rod and push the rod into the barrel.

Note: Should the gun fail to deliver grease refer to the Trouble Shooting Guide on page 3.

How to lock Follower

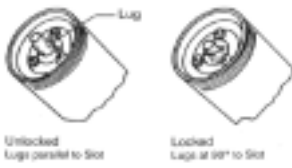


(Fig 3)



(Fig 4)

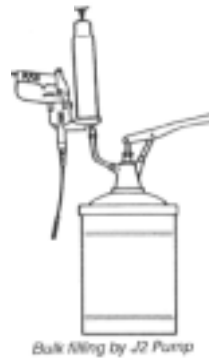
How to lock Follower



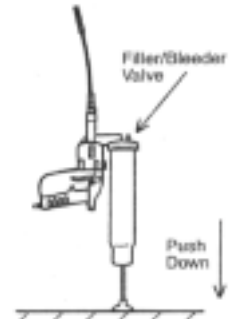
(Fig 3)



(Fig 4)



(Fig 5)



(Fig 6)

### FAST FILLING WITH A J2 GREASE PUMP

Note: Select the correct follower position (see Fig 1 for K53 or Fig 2 for K54)

- 1) Lock the follower rod (Fig.4)
- 2) Slide the filler bleeder into the nozzle on the pump (Fig.5).
- 3) Fill with grease until the groove in the rod is visible at the end of the barrel.
- 4) Repeat steps (8), (9), (10) refer (How to bulk Fill).

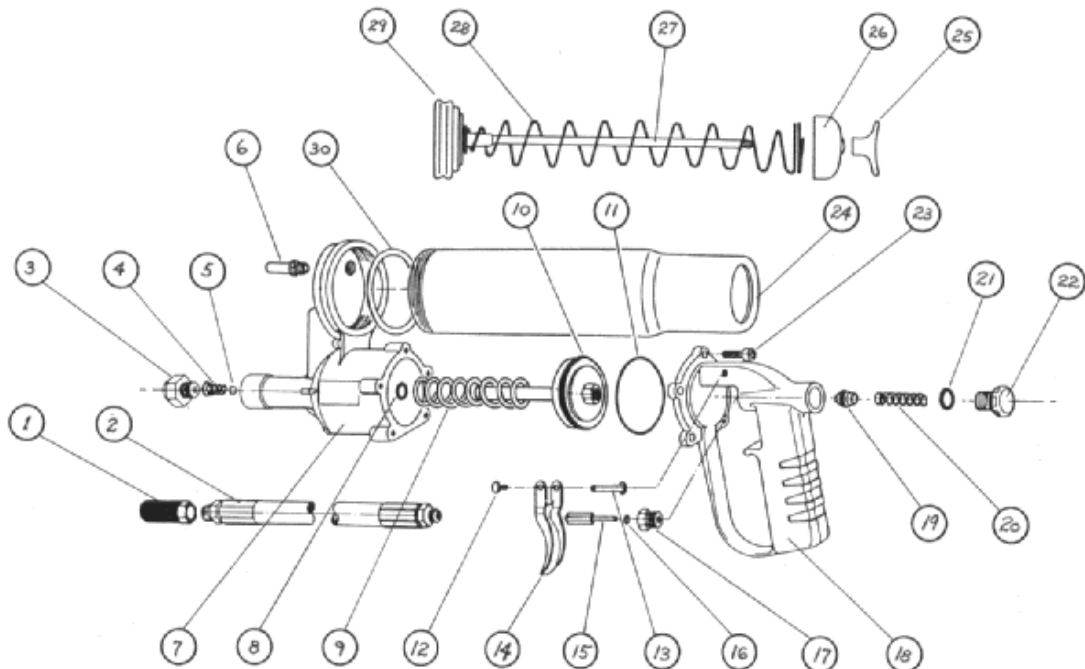
### HOW TO INSTALL A CARTRIDGE

Note: Select the correct follower position (see Fig 1 for K53 or Fig 2 for K54)

Repeat steps (1) to (2) above

- 1) Pull the follower rod back until the rod groove can be pulled into the barrel slot.
- 2) Remove the large end cap from the cartridge.
- 3) Slide the large open end first into the barrel.
- 4) Remove the small end cap from the cartridge.
- 5) Screw the gun body assembly onto the barrel.
- 6) Repeat steps (8), (9), (10) as above.

### K54 Diagram shown PARTS DIAGRAM



(Fig 7)

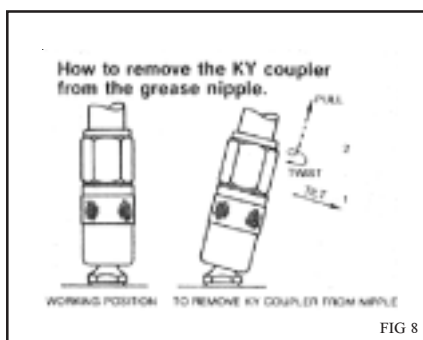
# SPARE PARTS LIST

ORDER FOR REPLACEMENT					
ITEM	PART NO	PART OR SET	CONTAINED IN KIT	PART NAME	
		K53-1K	(KIT A)	OVERHAUL KIT	
		K27-2K (for K53 only)	(KIT B)	FOLLOWER KIT	
		KF14A-2K (K54 only)	(KIT B)	FOLLOWER KIT	
1	KY	KY		COUPLER	
2	KF9	KF9		FLEXIBLE EXTENSION	
3	KP50	KP52s ind BS111	A	OUTLET VALVE BODY	
4	KP51		A	OUTLET VALVE SPRING	
5	N402		A	STEEL BALL	
6	KF85		A	FILLER BLEEDER ASSEMBLY	
7	KP02		KP02s ind PA49		BODY CASTING (K53 only)
7	KP03		KP03s ind PA49		BODY CASTING (K54 only)
8	PA49	KP30s	A	O'RING	
9	KP80		A	PISTON SPRING	
10	KP30			PISTON ASSEMBLY	
11	BS035		A	AIR MOTOR SEAL RING	
12	N255		A	TRIGGER PIVOT SCREW	
13	KP55		A	TRIGGER PIVOT PLATE	
14	KP60		KP58s	A	TRIGGER
15	KP58			A	AIR VALVE STEM
16	BS006			A	O'RING
17	KP57				GLAND NUT
18	KP61	KP61s ind BS035			HANDLE CASTING
19	KP82	KP83s	A	AIR VALVE	
20	KP83		A	AIR VALVE SPRING	
21	BS014		A	O'RING	
22	KP84		A	RETAINER CAP	
23	N10	N10s		SOCKET HEAD CAP SCREW	
24	KF111	* KF110s (for K53 only) * KF27s (for K54 only)		BARREL (K53 only)	
24	KF27			BARREL (K54 only)	
26	KF26			END CAP	
30	N161		B	SEAL WASHER (K53 only)	
30	N158		B	SEAL WASHER (K54 only)	
25	KB13		KB13		PULL HANDLE
27	KF30	KF30s (K53)		FOLLOWER ROD (K53 only)	
27	KF25	KF25s (K54)		FOLLOWER ROD (K54 only)	
28	KF104			FOLLOWER SPRING	
29	K27-2K	K27-2K (for K53 only)	B	FOLLOWER ASSEMBLY (K53 only)	
29	KF14As	KF14A-2K (for K54 only)	B	FOLLOWER ASSEMBLY (K54 only)	
31	BS111		A	O'RING	

\* Note: Please order either a KF110s (K53) or a KF25s (K54) Barrel assemblies  
for any K53 or K54 Power Pistols Purchased prior to April 2003

## TROUBLE SHOOTING GUIDE

TROUBLE	CAUSE	REMEDY
Gun fails to deliver grease	a) Air trapped in the pressure chamber	a) Disconnect Flexible hose assembly (2). Apply pressure to the pull handle (25), refer to fig 6. Pull the trigger until grease starts flowing.  Note: It may be necessary to remove the outlet body to release the air in the pressure chamber. When grease appears at the gun outlet ensure that the ball (5) and spring (4) is in place then replace the outlet body.(3)
	b) Dirt under the outlet ball (5)	Clean ball and seat
Gun fails to deliver the correct graese pressure	a) Piston assembly (10) faulty. (check for escaping air through the vent holes in the body (7).	Replace Piston assembly
	b) O`ring (16) damaged. (check for air escaping from under the trigger).	Replace with KP60s



## NOTES:

### Technical Specifications:

<b>Pressure Ratio</b>	50:1
<b>Air Supply Pressure Range</b>	275kPa (40psi) to 825kPa (120psi)
<b>Recommended Air Pressure</b>	620 kPa (90psi)
<b>Compressor Size</b>	0.026 m <sup>3</sup> /min. (1 cfm or above)
<b>Air Inlet Thread</b>	¼ ” BSP.
<b>Output per shot</b>	1 cm <sup>3</sup> (approx)

### WARRANTY POLICY

Macnaught Limited ("Macnaught") warrants that Products purchased after 1<sup>st</sup> 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.

MACNAUGHT PTY. LTD.

ACN 000 075 785

41-49 Henderson Street, Turrella Sydney NSW Australia 2205

PO Box 90 Arncliffe, Sydney NSW Australia 2205

Telephone + 61 2 9567 0401 Facsimile+ 61 2 9597 7773

Email sales@macnaught.com.au