

The experts in fluid technology

## B2-01 BOOSTER GUN

### INSTRUCTION MANUAL

Thank you for purchasing a Macnaught Model B2-01 Booster Gun.

Please read and retain this instruction manual to assist you in the installation, operation and maintenance of this product

#### DESCRIPTION

The Macnaught B2 Booster Gun is a high pressure hose end dispensing gun designed for use with air operated greasing systems such as the Macnaught Powerlube and Maxilube model grease pumps.

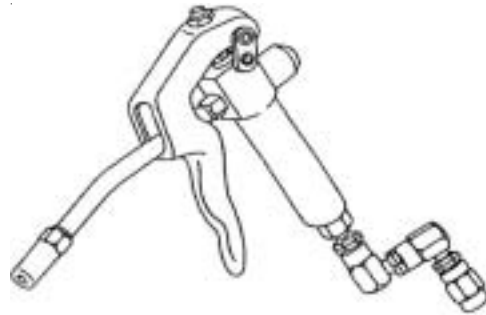
The Booster Gun includes a 360 deg Z swivel assembly and incorporates a booster mechanism which allows the user to boost the greasing pressure up to 83MPa / 12,000 psi / 830 BAR when required.

#### OPERATION

- 1) Ensure that the gun coupler is securely positioned onto the grease nipple (zerk).
- 2) Squeeze the trigger mechanism to allow grease to be dispensed into the grease nipple (zerk).
- 3) If no grease flows because of a seized nipple (zerk), pull the trigger several times. Each squeeze of the trigger increases (boosts) the greasing pressure until grease flows.



**Disconnect the air supply before servicing**



**Grease is being dispensed at high pressure. Keep your hands away from the nipple (zerk) / coupler connection at all times.**

- 4) To remove the coupler from the nipple (zerk), tilt the gun to relieve the pressure and then twist and pull the gun to disconnect from the nipple (zerk).

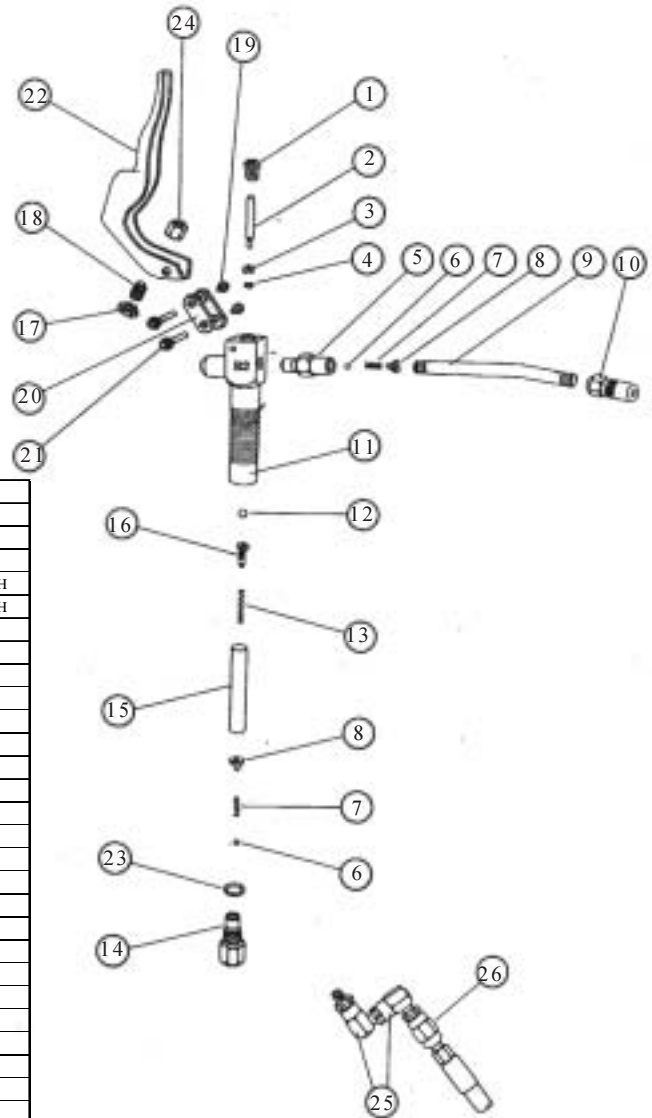
#### SPECIFICATIONS

Application:	Lubrication greases up to NLGI No.2 Viscosity
Max. Working Pressure:	83 MPa / 12,000 psi / 830 bar.
Connections:	1/4" NPT (F) Z swivel assembly.
Approximate Weight:	0.75kg / 1.5lbs

#### TROUBLE SHOOTING GUIDE

TROUBLE	CAUSE	REMEDY
Booster fails to boost	a) Dirt under the non-return valve body (5) ball seat.	a) Unscrew the extension tube (9) from the non-return valve body (5). Remove items 8,7,6 and 5. Clean all parts and reassemble.
	b) Dirt under the valve seat in the inlet body (14).	b) Unscrew the inlet body (14) from the gun body (11). Unscrew the valve insert (8). Remove the valve spring (7) and steel ball (6), clean the ball seat and reassemble.
Gun leaks continuously from the coupler	a) Incorrect trigger setting.	a) Loosen the locknut (17) and screw the plunger adjusting screw (18) out until the trigger has free play.
	b) Dirt under ball (12).	b) & c) Unscrew the inlet body (14) from the gun body (11). Unscrew the extension tube (9) and swing the trigger away, then remove the guide bush (1) plunger (2) glyde ring (3) and plunger o'ring (4). This will enable the ball (12), ball support (16) ball spring (13) and guide spring (15) to be pushed from the gun body (11). Inspect and clean all parts and replace as required. Reassemble using a new BJ1s seals as they may have been damaged. <b>Note:</b> Apply teflon tape (or thread sealant) to the extension tube (9).
	c) Bent plunger (2).	
Grease leaks past the plunger	Plunger o'ring (4) damaged.	Remove the extension tube (9), swing the trigger (22) away, and remove the (plunger guide bush (1) plunger (2) glyde ring (3) and plunger o'ring (4). and glyde ring (3), clean recess and reassemble. (order BJ1s) <b>Note:</b> Apply teflon tape (or thread sealant) to the extension tube (9).

## PARTS DIAGRAM



## PARTS LIST

ORDER FOR REPLACEMENT					
ITEM	PART No	No. off	PART / SET	DESCRIPTION	
			B2-IK (KIT A)		
1	BJ1	1	BJ1s	PLUNGER GUIDE BUSH	
2	BJ23	1		A	PLUNGER GUIDE BUSH
3	BJ3	1		A	BACKUP WASHER
4	BS008	1		A	O'RING
5	BJ4	1	BJ4s (incl BJ6, KH5, N403)	VALVE BODY	
9	KH23	1	KH23	EXTENTION TUBE	
10	KY	1	KY	COUPLER ASSEMBLY	
11	BJ8	1	BJ8s (incl BJ20, BJ15, BJ17)	GUN BODY	
12	N400	1	BJ9s	A	1/4" STEEL BALL
16	BJ13	1			BALL SUPPORT
13	BJ9	1		A	BALL SPRING
15	BJ19	1	BJ24s	SPRING GUIDE	
8	BJ6	2			VALVE INSERT
7	KH5	2		A	VALVE SPRING
6	N403	2		A	7/32" STEEL BALL
23	BS013	1		A	O'RING
14	BJ24	1	BJ26s	INLET BODY	
20	BJ15	2			TRIGGER LINK
21	BJ17	2			LINK PIN
19	BJ20	2			SCREW
17	N218	1	BJ25s	LOCK NUT	
18	N29	1			ADJUSTING SCREW
24	BJ26	1			HIGH NUT
22	BJ25	1			TRIGGER
25	SB6S	2	ZSB	SWIVEL ADAPT OR ASSY	
26	SB4S	1		SWIVEL BODY ASSY	

## 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  
 PO Box 90 Arncliffe NSW 2205 Australia  
 Telephone (02) 9567 0401  
 Facsimile (02) 9597 7773