

B2 BOOSTER GUN



INSTRUCTION MANUAL (Available with Optional Trigger Guard)

Introduction

Thank you for purchasing a Macnaught Model B2 Booster Gun.

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 69MPa / 10,000 psi / 690 BAR when required.

Important Information

PLEASE READ THIS SAFETY INFORMATION CAREFULLY BEFORE USE.

Read and retain this instruction manual to assist you in the operation and maintenance of this product.

'Cautions' are listed throughout this manual to advise of actions to which may cause damage to your equipment.

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.



CAUTION

Disconnect the air supply before servicing



WARNING

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



Shown with optional trigger guard

- 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).

Product Specifications

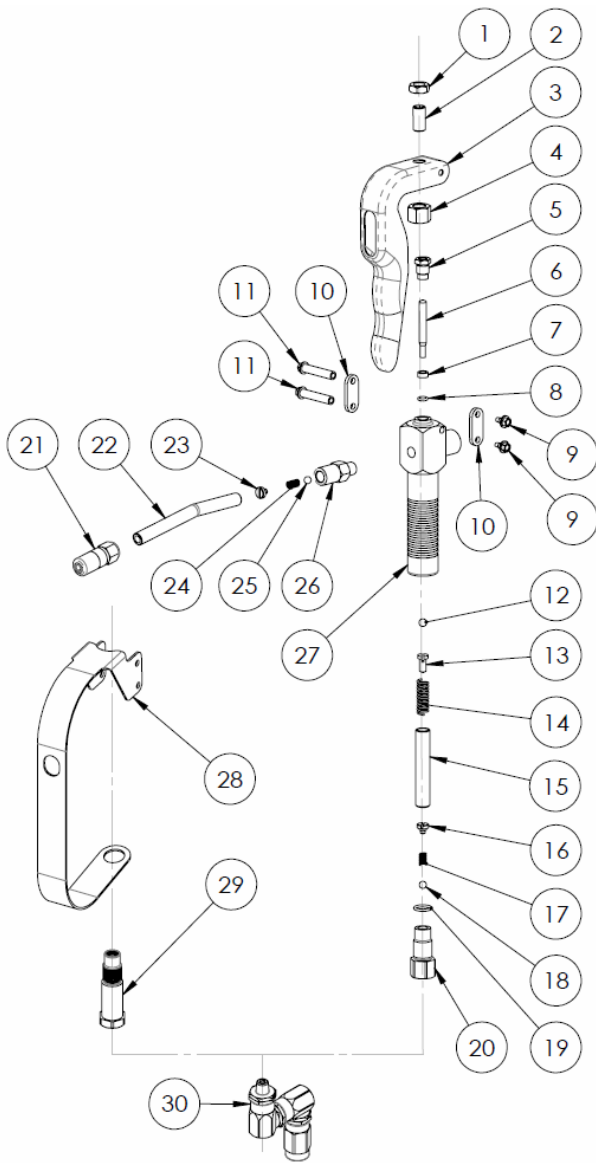
Application	Lubrication grease up to NLGI No. 2 Viscosity
Maximum Working Pressure	10,000 psi 65 MPa 690 bar
Connections	1/4" NPT (F) Z Swivel Assembly
Approximate Weight	0.75 kgs 1.5 lbs

Troubleshooting Guide

Problem	Possible Cause	Remedy
Booster fails to boost	Contaminant under the non-return valve body (26) ball seat.	Unscrew the extension tube (22) from the non-return valve body (26). Remove items 23, 24, 25 and 26. Clean all parts and reassemble.
	Contaminant under the valve seat in the inlet body (20).	Unscrew the inlet body (20) from the gun body (27). Unscrew the valve, insert (16). Remove the valve spring (17) and steel ball (18). Clean the ball seat and reassemble.
Gun leaks continuously from the coupler	Incorrect trigger setting.	Loosen the locknut (1) and screw the plunger adjusting screw (2) out until the trigger has free play.
	Contaminant under ball (12) or bent plunger (6)	Unscrew the inlet body (20) from the gun body (27). Unscrew the extension tube (22) and swing the trigger away, then remove the plunger guide bush (5), plunger (6), backup washer (7) and plunger o-ring (8). This will enable the ball (12), ball support (13) ball spring (14) and guide spring (15) to be removed from the gun body (27). Inspect, clean and replace all parts using a new plunger guide bush (5). Note: Apply teflon tape (or thread sealant) to the extension tube (22).
Grease leaks past the plunger	Plunger O-Ring (4) damaged.	Remove the extension tube (22), swing the trigger (3) away, and remove the plunger guide bush (5) plunger (6) backup washer (7) and plunger o-ring (8). Inspect, clean and replace all parts using a new plunger o-ring (8) and plunger guide bush (5). Note: Apply teflon tape (or thread sealant) to the extension tube (22).



Spare Part Diagram



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Spare Part Listing

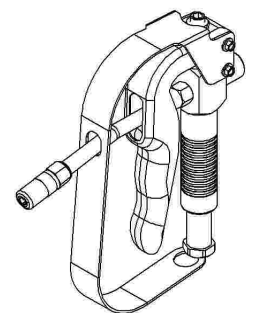
Item	Description	Overhaul Kit	Spares kit
1	Lock nut		BJ26s
2	Adjusting screw		BJ26s
3	Trigger		BJ25s
4	High nut		BJ24s
5	Plunger guide bush		BJ1s
6	Plunger	B2-1K	BJ1s
7	Backup washer	B2-1K	BJ1s
8	O-Ring	B2-1K	BJ1s
9	Bolt		BJ26s
10	Trigger link		BJ26s
11	Link pin		BJ26s
12	1/4" Steel ball		BJ9s
13	Ball support		BJ9s
14	Ball spring	B2-1K	BJ9s
15	Spring guide		BJ9s
16	Valve insert		BJ24s
17	Valve spring	B2-1K	BJ24s
18	7/32" Steel ball	B2-1K	BJ24s
19	O-Ring	B2-1K	BJ24s
20	Inlet body		BJ24s
21	Coupler assembly		KY
22	Extension tube		KH23s
23	Valve insert		BJ24s
24	Valve spring	B2-1K	BJ24s
25	7/32" Steel ball	B2-1K	BJ24s
26	Valve body		BJ4s(incl. item 18, 23 and 24)
27	Gun body		BJ8s (incl. item 9, 10 and 11)
28	Trigger Guard		B2-1SGK
29	Inlet Body		B2-1SGK
30	360° Swivel		ZSB



Note: Items 28 and 29 are only supplied on Model B2-SG

Item 28 Trigger Guard
Item 29 Inlet Body

For replacement trigger guard kit order part set B2-1SGK (including item 28, 29, 9 (x2) and 11 (x2))



(Model B2-SG)

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