

POWERGUN™ (PG450)



Lithium-ion Battery Operated Grease Gun

INSTRUCTION MANUAL

Introduction

The Macnaught lithium-ion PG450 battery operated grease gun is a portable high pressure, high volume grease gun, supplied complete with 2 x lithium-ion batteries, battery charger, 1m long flexible extension and carry case.

Important Information

Read carefully before use and ensure all operators understand the instructions. The term “power tool” in all of the warnings listed refers to your battery operated (cordless) power tool. Power tools must be used strictly in accordance with Macnaught’s terms and conditions.

Failure to follow all instructions listed below may result in electric shock, fire, serious injury and/or damage to the power tool.

General Safety



WARNING

Adequate PPE equipment such as safety glasses, protective gloves, safety shoes etc must be worn while handling or using this power tool.

DO NOT use power tools while you are tired or under the influence of drugs, alcohol or medication.

DO NOT operate power tools in explosive areas, e.g; close to flammable liquids, gases or dust.

Before use, visually inspect the grease gun, hose, charger, and battery for any signs of damage/cracks, or loose or missing parts.

Use oil and fuel resistant thread tape or sealant on all threaded connections.

If any sign of leakage, firmly tighten all connections.

If the power tool is worn or damaged, remove it from service and contact an authorised service centre or distributor.

DO NOT modify, alter, force this power tool any way.

Never point the material outlet of the power tool at yourself or anyone else.

Keep work area clean and well lit. Ensure that any grease spillage is cleaned up immediately to prevent slipping or injury.

Only use genuine Macnaught replacement parts when repairing power tools due to pressure rating.

Only replace the hose with Macnaught brand service kit as it is rated for high pressure.



Electrical Safety



WARNING

DO NOT expose power tool to rain or wet conditions.

DO NOT operate power tools in explosive areas, e.g; close to flammable liquids, gases or dust.

DO NOT use power tool if the power tool is damaged or the switch does not turn the gun on and off.

Keep cord away from heat, oil, sharp edges or moving parts.

Battery and Charger Safety Information



WARNING

If “battery-pack” case is damaged **DO NOT** charge. Danger of electric shock or electrocution.

DO NOT probe the unit - Danger of electric shock or electrocution.

The battery charger **MUST NOT** be used for any other use than for charging the rechargeable batteries supplied with the PG450.

DO NOT operate charger with a damaged power cord or plug, replace immediately.

DO NOT operate charger if it has received a sharp blow, or has been dropped. Take it to an authorized service centre.

DO NOT disassemble charger.

DO NOT store or use the tool and battery pack in locations where the temperature may reach or exceed 40°C/104°F.

DO NOT use charger on any other voltage than designated on the charger. 120/230/240 volts present at charging terminal.

DO NOT attempt to open the battery pack.

DO NOT charge battery that is fitted on any battery operated tool.

ONLY charge the battery with the charger provided.

Battery Disposal

NOTE: Dispose of depleted batteries properly. The battery contains rechargeable Lithium-ion and must be recycled or disposed of properly. Please refer to the local authorities for the correct method of battery disposal.



DO NOT incinerate the battery pack. The battery can explode in a fire

DO NOT attempt to disassemble any battery.

Charge Battery

NOTE: Improper storage, use and charge of battery may adversely affect performance or life of battery

The charger is a fast recharge type charger.

Green light on charger
(power on)

Red light
(charging)

Green light
(fully charged)



Insert / Remove Battery

DO NOT force battery if fitting or removing from gun.

Carefully slide battery into slot until it locks

Press button and carefully slide out to remove



Select follower position

Lift rubber for bulk filling

Rubber down for cartridge



Push rod

Installing Grease Cartridge

1) Remove barrel assembly

2) Pull out rod and lock



3) Remove top and bottom caps from cartridge

4) Slide cartridge into barrel



5) Re-fit barrel assembly to head

6) Unlock rod to energise follower



Prime grease gun

1) Lock the follower rod (a) and push, at the same time press the bleed valve (b) to purge air from the system



(a)



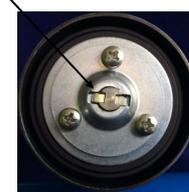
(b)

2) Short Presses on trigger until Grease starts to flow

3) Still no grease flow
a) Remove hose,
b) Short presses on trigger until grease flows
c) Refit hose assembly



4) Unlock follower rod and push into barrel



Note: Your PG450 is now ready for use

High Pressure / High Volume Switch

H = High Volume (Normal Operating Setting)
(Flowrate up to 120g/min / Pressure to 6,000psi)
L = Low Volume (High Pressure setting if required)
(Flowrate up to 35g/min / Pressure to 9,000psi)



Pressure Relief Valve

Note: If grease prematurely flows under pressure from the valve. Turn the philips head screw clockwise to close valve.



Overload Protection

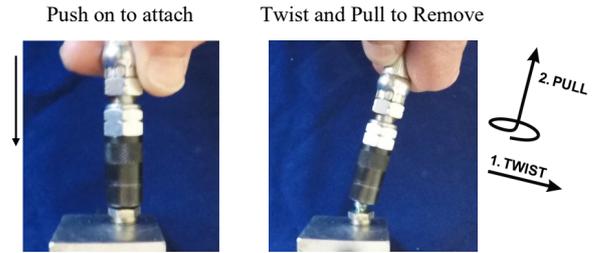
The PG450 batteries are fitted with overload protection

If the motor exceeds the maximum current, the motor will stop.

The motor to resume when safe to do so.



KY Coupler Operation



NOTE: Improper attachment of coupler may affect the creation of a leak free seal.

Transporting the Power Tool and Battery

Lithium batteries are used in this power tool. The power tool and/or the lithium battery must be transported in accordance with applicable local and national regulations.

All special requirements for packaging, handling, marking, and labelling must be followed when transported by a third party. Check with the freight forwarding company for specific requirements prior to shipment.

Trouble Shooting Guide

Fault: Gun fails to deliver grease or pressure

Cause:

- Air lock or
- Check valve ball not seating

Remedy:

- Remove pressure relief valve
- Place your finger over the open port to prime, when grease flows replace the valve.



No pressure:

- Remove pressure relief valve (as above)
- Remove spring and ball and clean port,
- Refit ball and using a small pin punch give the ball a light tap to reset.
- Fit spring and pressure relief valve



Fault: Continual loss of prime or pressure

Cause:

- Air pockets in the grease
- Follower sticking in cartridge
- Faulty outlet check valve

Remedy:

Refer to gun fails to deliver grease or pressure remedy procedure above.

Fault: Motor does not run when trigger is pressed

Cause:

- Battery undercharged
- Faulty battery
- Electrical fault

Remedy:

- Charge battery- refer to charge battery procedure
- Try second battery (replace battery if faulty)
- Electrical fault - Take gun to closest service centre

Fault: Grease leaking from pressure relief valve

Cause:

Faulty or incorrectly adjusted pressure valve

Remedy:

Refer to Pressure relief valve instructions:

Replacement Parts

Description	Part No
3.0AH Battery	PGB-3A
3.0AH Charger	PGC-3A
1m Flexible Extension	PGH
Coupler	KY

Specifications

Voltage DC	18 Volt Li-Ion
High Volume / Low Pressure	6.000 PSI (413 Bar), 150 g/min
Low Volume / High Pressure	9.000 PSI (620 Bar), 35 g/min
Grease Reservoir Capacity,	450g
Lubricant (Grease)	Up to NLG#2
Working Temperature,	32°F~104°F(0°C~40°C)
Battery Capacity,	3.0 Ah
Quick Charge,	1 Hour
Input Voltage,	220 Volt~240 Volt (50 Hz)
Oil Hose Length,	30 in. (76 cm)



Macnaught Pty Limited

ABN 66 000 075 785

41-49 Henderson Street
Turrella NSW 2205 Sydney Australia
Postal Address PO Box 90
Amcliffe NSW 2205 Sydney Australia

T: +61 2 9567 0401

F: +61 2 9597 7773

W: www.macnaught.com.au

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