Part No. 8073

LASER®

Cordless Polisher 20V

w/o Battery

Instructions

www.lasertools.co.uk

Introduction

This cordless polisher is part of the Laser professional workshop 'one battery powers all' cordless tool range with brushless motor technology designed and built for daily use. Cordless power is fast becoming the experts' choice over mains and pneumatic, bringing extra safety to the workforce environment.

This polisher features a compact design with comfortable grip. Supplied with a robust "D" shaped handle and soft-grip body for added control. Spindle lock for quick polishing pad changes. M14 spindle for use with 180mm (or smaller) polishing pads. Adjustable speed control (800 – 2400 RPM).

This cordless tool is powered by a 4Ah lithium-ion battery (not included) that delivers fade-free performance for the entire run time. The tool will not experience a slow, gradual loss of power. When the battery needs to be charged the tool will stop. No memory effect on the battery allows the battery to quickly recover from a deep discharge with no reduction of capacity. The battery features an LED power-bar to determine its condition (level of power available).

Note: battery and battery charger not included. These are available under the following part numbers:

8007:	10-cell lithium-ion battery - 4.0Ah.
8008:	Mains powered battery charger — fitted with UK plug.
8009:	Mains powered battery charger — fitted with euro plug.

Refer to specific instructions included with battery and battery charger for details of fitting the battery pack to the tool and charging method.

Components

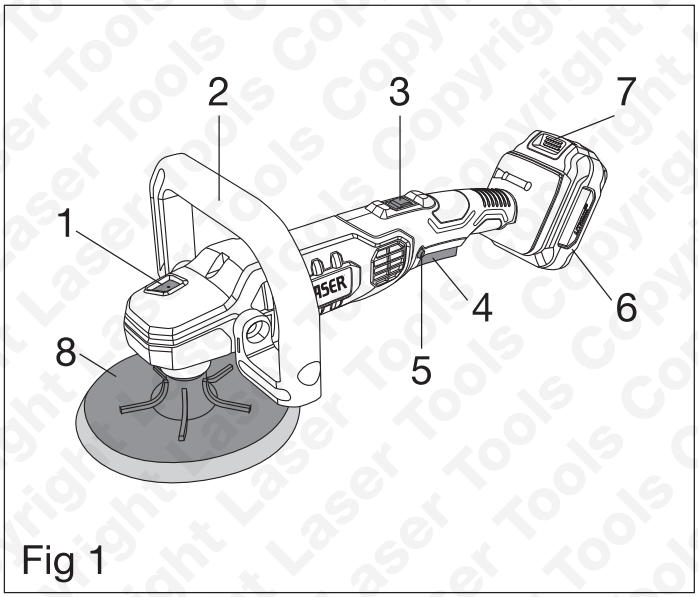

Fig 1

Ref.	Description
1	Spindle lock button
2	“D” handle
3	Speed controller
4	On / OFF trigger
5	On / OFF safety lock
6	Battery
7	Battery release button
8	Polishing pad

Operation:

Specifications	
Voltage	20V
Speeds	800-2400 RPM
Disc diameter	180mm (7.0")
Spindle thread size	M14
Tested vibration emission value	1.84m/s2
Noise	78 dB
Weight (no battery, no pad)	2.1kg
Weight (with battery)	2.78kg
Working time	≧ 40mins

“D” handle fitment:

Fig 2

DO NOT USE the tool without fitting the “D” handle. Refer to Figure 2: before fitting, or changing direction of the handle (right or left-handed use), always remove the battery. The “D” handle is secured with two 8mm hex-headed set screws. Choose the position of the “D” handle to maintain comfortable use and stability.

Instructions

Fitting a polishing pad:

WARNING: Remove battery pack before fitting or removing polishing pads.

• Refer to Figure 1: Press spindle lock button to lock gearbox (**1**).

• Screw on the polishing pad (M14 thread). If necessary, the spindle can also be held steady by using a flat 17mm spanner.

• Note: never depress the spindle lock button when the spindle is moving. The tool may be damaged.

• Inspect pad before use; do not use pads that are cracked or damaged.

ON / OFF Trigger:

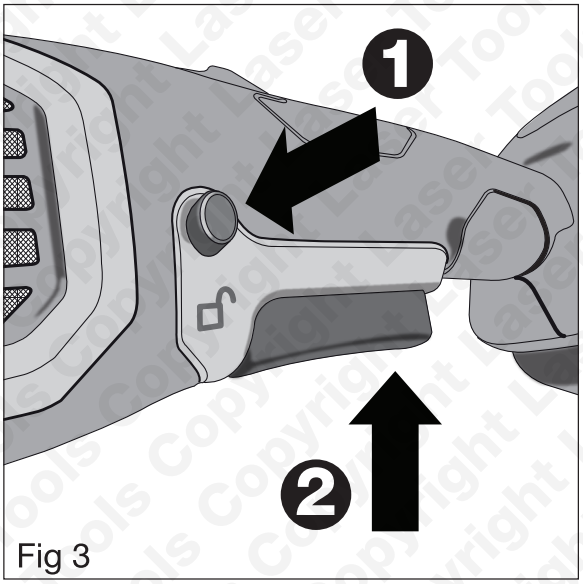

Fig 3

• Refer to Figure 3: the ON/OFF trigger is designed to avoid accidental starting.

• To switch ON, (**1**) first unlock the trigger by fully pressing and holding the safety lock button. (**2**) pull up and hold the ON/OFF trigger.

• To switch OFF, release the trigger, then release.

Instructions

Speed Controller:

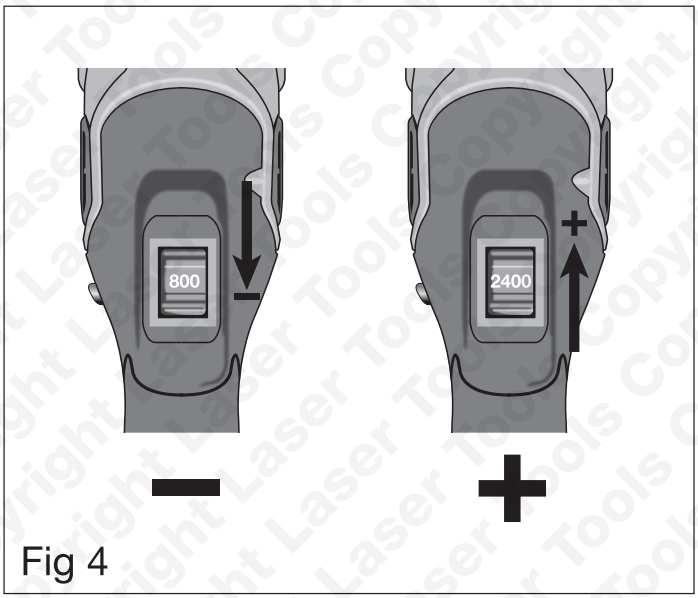

Fig 4

• The tool speed can be changed by rotating the speed controller from its lowest setting (800 RPM) to its highest setting (2400 RPM). Any speed can be set between these two figures.

• To decrease the speed, rotate the speed controller backwards.

• To increase the speed, rotate the speed controller forwards.

• Always refer to the manufacturer of the polishing pad and polishing compound being used for specifications and advice regarding the speed to set the polisher.

WARNING: If the tool is operated continuously at low speeds for an extended period of time, the motor may get overloaded and overheat. If the operator feels that the tool is overheating, stop work immediately and let the tool cool down before recommencing.

Safety Warnings - please read

- Ensure that all operators have read and understood these instructions.
- Wear approved PPE: eye protection, ear defenders, gloves and protective clothing. If the polishing generates dust, wear a particle mask.
- Ensure no loose clothing, ties, watches, jewellery, etc. Contain long hair.
- Keep work area clean, tidy and free for any obstructions. Ensure adequate lighting.
- Refer to specific instructions included with battery and battery charger for details of fitting the battery pack to the tool and charging method.
- Always remove the battery pack before changing polishing pads or performing any maintenance.
- Only use approved polishing pads — do not use pads that are cracked or damaged.
- Ensure panel cannot move around — mount in a panel stand and secure with clamps if necessary.
- Do not switch on the polisher if the pad is in contact with the workpiece.
- Do not touch the pad when the polisher is switched on.*
- Do not use the polisher if it is damaged or parts are missing.
- Do not operate the polisher in the presence of flammable material, liquids or gases.
- Do not let the air vents on the polisher become clogged with dirt or covered in any way; this will cause overheating.
- Do not let hands cover the vents when in use.
- Do not let the polisher get wet or use in damp or wet conditions.
- Do not use the polisher as a fixed tool (for example, mounted in a vice).
- Do not use the polisher as an angle grinder or cutter.
- When not in use, remove the battery pack and store in dry, secure conditions.
- Keep the tool clean at all times. Always wear eye protection and protective gloves when cleaning the tool. For cleaning use a dry cloth and soft brush. Water must never come in contact with the tool. Use clean, dry compressed air to blow through the air vents.
- Do not use the polisher for tasks it is not designed for. Use the product correctly and with care. Failure to do so may cause damage and/or personal injury and will invalidate the warranty.

WARNING: Risk of hand and arm vibration injury. The operator (or employer) will need to carry out a health and safety risk assessment to determine a suitable duration for the use of the tool. This will be affected by the operator, the task, the type of pad and polishing compound being used, and condition of tool.

Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by the Tool Connection for incorrect use of any of our products, and the Tool Connection cannot be held responsible for any damage to personnel, property or equipment when using the tools. Incorrect use will also invalidate the warranty.

If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.

Safety First. Be Protected.

Guarantee

In addition to the standard 12 months warranty offered on all Tool Connection products, by registering your cordless power tool, you will receive an additional 2 years warranty.

To register your product please visit:
www.toolconnection.co.uk/powertools/productregistration

Please register within 30 days of purchase. Non-registered products remain under our standard 12-month product warranty. See our full terms and conditions for further details.

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If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186.** Normal wear and tear are excluded as are consumable items and abuse.

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Part No. 8008
8009

LASER®

Battery Charger 230V Mains 4amp

Instructions

8008
8009

www.lasertools.co.uk

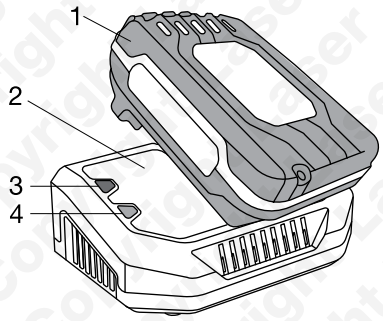
Introduction

This is a professional workshop ‘one battery powers all’ cordless tool range with brushless motor technology designed and built for daily use. This 230V (4 Amp) battery charger is used with the 10-cell lithium batteries (part number 8007). Features include diagnostic LED plus built-in protection against overheating and overcharging. CE and RoHS approved. Average charge time: 1 hour. Battery discharge time approximately 40min – 115min depending on tool and usage.

Cordless power is fast becoming the experts’ choice over mains and pneumatic, bringing extra safety to the workforce environment.

Components

Fig 1

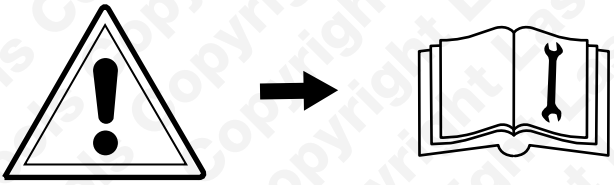


Ref.	Description
1	*Battery (Li-ion 20V 4Ah)
2	Charger
3	LED: ON (red)
4	LED: CHARGING (green)

*Battery shown for illustration purposes only and is not included with the charger.

Instructions

Charging:

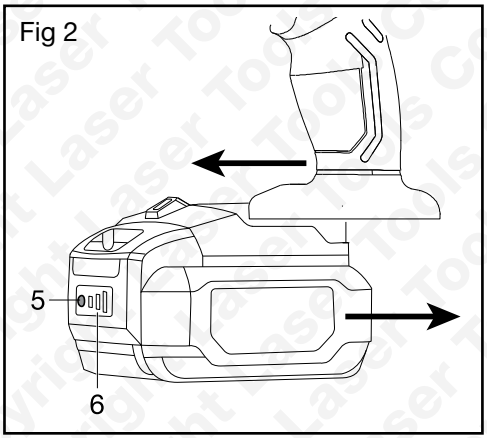


Although the batteries are supplied partially charged, always fully charge the battery before first use.

1. Only use this charger with the correct Laser cordless tool range battery (Li-ion 20V 4Ah — part number 8007).
2. Connect the charger to the mains power supply.
3. Align the raised ribs on the battery with the slot on the charger; slide the battery onto the charger and push fully home until the release button clicks into place.
4. Refer to Figure 1: the LEDs (3 and 4) will light and evaluate the condition of the battery:
5. Red LED ON and green LED FLASHING: battery is charging.
6. Red LED ON and green LED ON: battery is fully charged.
7. Red LED and green LED flash alternately: battery or charger is faulty.

Instructions

Fig 2



Ref.	Description
5	Battery condition button
6	Battery condition LEDs

The lithium-ion battery pack delivers fade-free performance for the entire run time. The tool will not experience a slow, gradual loss of power. When the battery needs to be charged the tool will stop. No memory effect on the battery allows the battery to quickly recover from a deep discharge with no reduction of capacity.

Refer to Figure 2: To determine the condition of the battery pack (level of power available) press the battery condition button (5). The power-bar of blue battery condition LEDs (6) will light up — three LEDs mean full power, and as the power level is depleted the power-bar will display less LEDs. When the battery's power has run out, and the trigger on the tool is pressed, the LEDs on the power-bar will flash rapidly. The battery pack should now be recharged. Average charge time: 1 hr.

Remove the battery by depressing the release button then slide off the tool. See section above (Charging) and recharge the battery.

Safety Warnings - please read

Although the batteries are supplied partially charged, always fully charge the battery before first use.

1. Only use this charger with the correct Laser cordless tool range battery (Li-ion 20V 4Ah — part number 8007).
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