

EN

Original Instructions
Version 1

DRAPER[®]

12V

CORDLESS AIR COMPRESSOR

24239



UK
CA **CE**

1. Preface

These are the original product instructions. This document is part of the product; retain it for the life of the product, passing it on to subsequent holders. Read this manual in full before attempting to assemble, operate, or maintain this product.

This Draper Tools manual describes the purpose of the product and contains all the necessary information to ensure its correct and safe use. Following all the instructions and guidance in this manual will ensure the safety of both the product and the operator and increase the lifespan of the product.

All photographs and drawings within this manual are supplied by Draper Tools to help illustrate correct operation of the product.

Every effort has been made to ensure the information contained in this manual is accurate. However, Draper Tools reserves the right to amend this document without prior warning. Always use the latest version of the product manual.

1.1 Product Reference

User Manual for: 12V Cordless Air Compressor

Stock No: 24239

Part No: DA12/151B

1.2 Revisions

Version 1: March 2018

First release

Version 1.1: April 2022

General revision and image updates

As our manuals are continually updated, always ensure that the latest version is used.

Download the latest version from:

drapertools.com/manuals

1.3 Understanding the Safety Content

WARNING! – Situations or actions that may result in personal injury or death.

CAUTION! – Situations or actions that may result in damage to the product or surroundings.

Important: – Information or instructions of particular importance.

1.4 Copyright © Notice

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In all cases, this copyright notice must remain intact.

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3. Warranty

Draper Tools products are carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, return the complete tool to your nearest distributor or contact Draper Tools directly. Contact information can be found at the back of this manual.

Proof of purchase must be provided.

If, upon inspection, it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This warranty period covers parts and labour for 24 months from the date of purchase. Where tools have been hired out, the warranty period covers 90 days from the date of purchase.

This warranty does not apply to any consumable parts, batteries or normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper Tools repair agent.

In all cases, to make a claim for faulty workmanship or materials within the standard warranty period, please contact or return the product to the place of purchase. Proof of purchase may be required.

If the place of purchase is no longer trading or if you experience any difficulties with your warranty, please contact Customer Services with the product details and your proof of purchase. Contact details can be found at the back of this manual.

If the tool is not covered by the terms of this warranty, repairs and carriage charges will be quoted and charged accordingly.

This warranty supersedes any other guarantees expressed or implied and variations of its terms are not authorised.

Your Draper Tools guarantee is not effective until you can produce, upon request, a dated receipt or invoice to verify your purchase within the guarantee period.

Please note that this warranty is an additional benefit and does not affect your statutory rights.

Draper Tools Limited

4.1 Scope

This multi-functional air compressor is designed to inflate tyres, dinghies and sports equipment as part of domestic and infrequent trade use. The product also includes an LED lamp for visibility and to attract attention. Any other application beyond the conditions established for use will be considered misuse.

Draper Tools accepts no responsibility for improper use of this product.

WARNING! This product is not a toy and must be respected.

Read this manual in full before attempting to assemble, operate or maintain the product, and retain it for later use.

4.2 Specification

Stock No.	24239
Part No.	DA12/151B
Rated voltage	12V
Battery type	Li-ion, 1,500mAh
Charging time	3h
Maximum current	10A
Maximum pressure	150psi (10.3bar)
Recommended cycle time	15min
Display unit	psi/bar/KPa
Power cable length	3.5m
Hose length	150mm approx.
Weight (excluding accessories)	800g
Battery charging adaptor	
Rated input	230V~50Hz
Rated voltage	12V
Rated current	1.5A

Important: Read all Health and Safety instructions before attempting to operate, maintain or repair this product. Non-compliance with these instructions may result in injury or damage to the user, the product or the item to be inflated.

5.1 General Safety Instructions for Compressors

- **WARNING! This compressor is capable of supplying air at high pressure. NEVER point this product at any person or any object for which its use is not intended.**
- Observe and adhere to all standard safety precautions and good practices when working in a workshop environment.
- Keep the work environment clear and well-lit, with bystanders at a safe distance.
- Before use, inspect the product carefully for signs of damage or battery leakage.
WARNING! DO NOT use this product if damage or defects are present; take it out of service until it has been repaired or replaced. Contact Draper Tools for repair and replacement options. If the power adaptor or charger cords are damaged, they must be replaced by a special cord available from Draper Tools or its authorised service agents.
- **ALWAYS** ensure that the air hose and valve connections are tight and secure, and firmly hold the item to be inflated during operation.
- **ALWAYS** ensure that the trigger lock is in the "locked" position before inserting the battery or power adaptor.
- **DO NOT** use this product in wet conditions or expose it to rain.
- **DO NOT** use this product near flammable or combustible materials or in dangerous or explosive environments.
- **DO NOT** store the product with the battery pack still attached.
- **DO NOT** attempt to open or modify this product in any way.
- **NEVER** leave the compressor running unattended and allow it to stop completely before moving away.

- Use this product **ONLY** for the recommended cycle time and allow approx. 30 minutes for it to cool before the next use, subject to environmental conditions.
WARNING! Extended continual use of the product may cause it to overheat and harm both the product and the operator.
- After use, **ALWAYS** check the tyre pressure using a tyre pressure gauge that complies with BS EN 12645:2014.
- **CAUTION! NEVER exceed the maximum pressure recommended by the manufacturer of the item to be inflated. Check the manufacturer information before every use and continually monitor the item during inflation.**
- **NEVER** carry the compressor by the hose.
- **ONLY** use accessories supplied by Draper Tools.

5.2 General Safety Information for Battery Packs and Chargers

Important: This product is supplied with a 1,500mAh battery pack. Use **ONLY** the battery pack and charger supplied with this product.

- **WARNING! NEVER charge non-rechargeable batteries.**
- **WARNING! DO NOT use the battery if there is evidence of leakage. If battery fluid comes into contact with your skin, rinse the affected area immediately with water. If it comes into contact with your eyes, flush with plenty of water and seek medical advice.**
- **NEVER** attempt to open the battery for any reason.
- Charge the battery in a dry and well-ventilated environment in ambient temperatures between 5 and 40°C.
- Use **ONLY** the charger supplied with the product to charge the battery pack.
- **DO NOT** short-circuit the battery by connecting the positive and negative terminals while it is detached from the product.
 - Keep the battery away from metallic objects that may inadvertently cause connection of the terminals.
- **DO NOT** store the battery pack in environments with ambient temperatures exceeding 50°C.
- Dispose of the battery pack responsibly and in accordance with local regulations.

5.3 Connection to the Power Supply

Always ensure that the power supply on the machine's rating plate is compatible with the power supply to which you intend to connect it.

The rechargeable battery pack is supplied with a UK standard three-pin plug and is intended for connection to a domestic power supply rated at 230V AC. An in-car power adaptor is also supplied and is intended for connection to a 12V DC socket found in vehicle interiors.

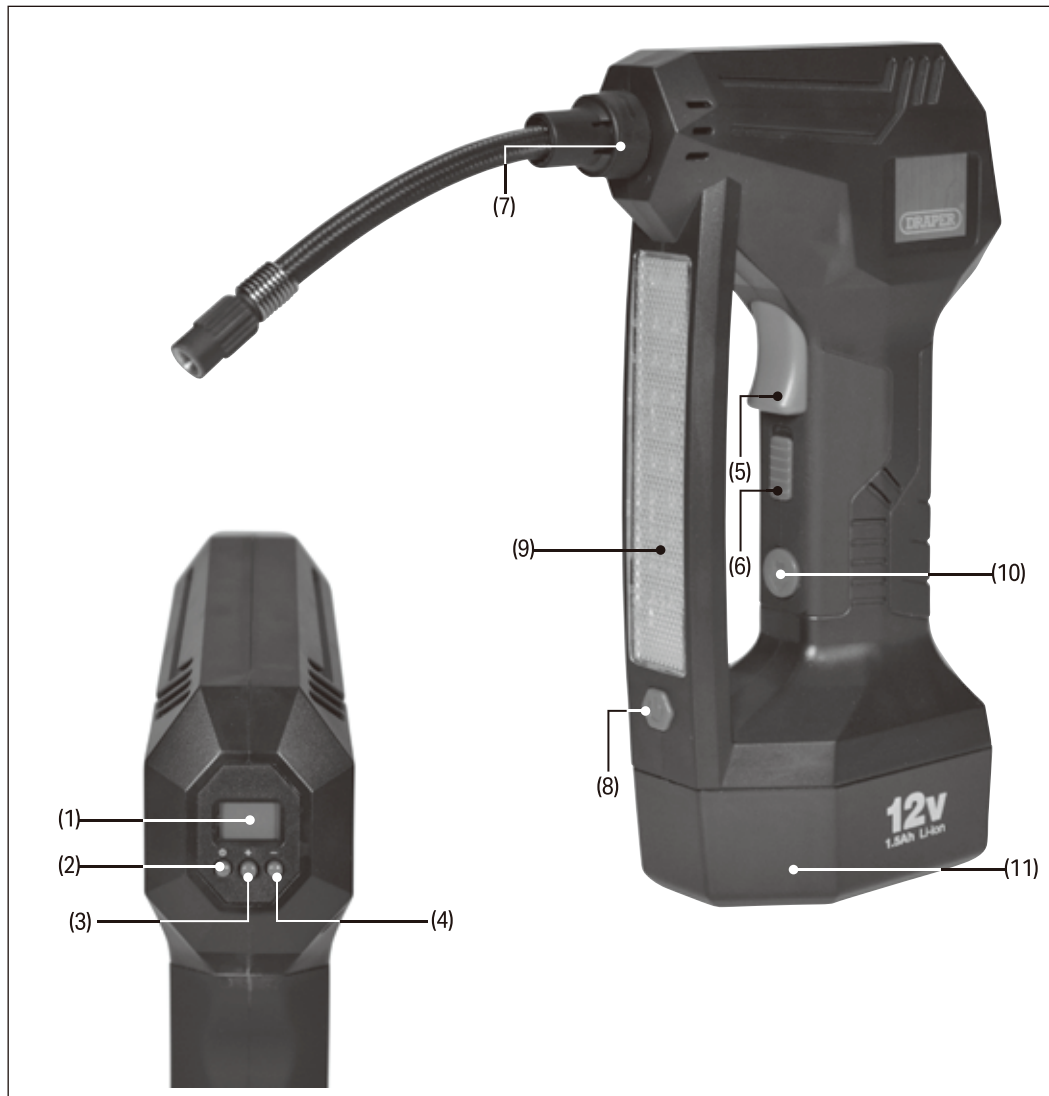
This is a Class II[†] appliance and is designed for connection to a power supply matching that detailed on the rating label and compatible with the plug fitted.

CAUTION! Use ONLY the power supplies provided.

Important: If using an extension lead, follow the instructions that came with your lead regarding maximum load while the cable is wound. If in doubt, ensure that the entire cable is unwound. Using a coiled extension lead will generate heat which could melt the lead and cause a fire.

†**Double insulated** : This product requires no earth connection as supplementary insulation is applied to the basic insulation to protect against electric shock in the event of failure of the basic insulation.

6.1 Product Overview



- (1) LCD pressure display
- (2) Compressor power button
- (3) Increase pressure button
- (4) Decrease pressure button
- (5) Trigger
- (6) Trigger lock

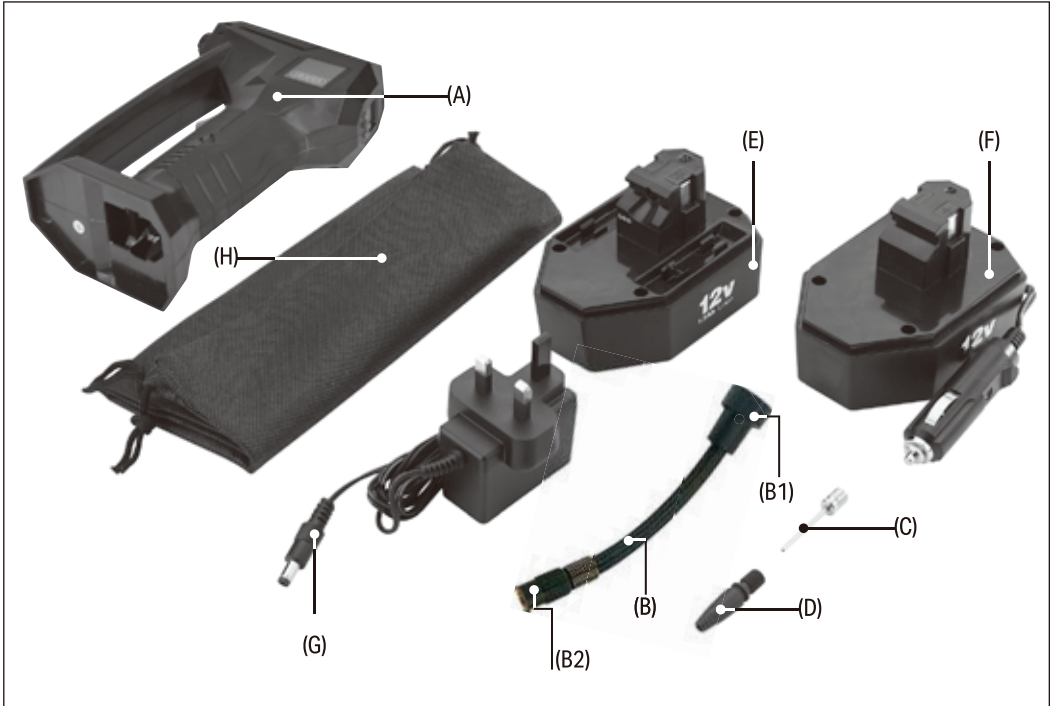
- (7) Attachment lock
- (8) SMD LED light on/off switch
- (9) SMD LED light
- (10) Battery release button
- (11) 12V Battery pack

6. Identification and Unpacking

6.2 What's in The Box?

Carefully remove the product from the packaging and examine it for any signs of damage that may have occurred during shipment.

Before assembling the product, lay the contents out and check them against the parts shown below. If any part is damaged or missing, do not attempt to use the product. Please contact the Draper Helpline; contact details can be found at the back of this manual.



- (A) 1 x 12V air compressor
- (B) 1 x Air hose
 - (B1) Air hose attachment
 - (B2) Threaded hose connector
- (C) 1 x Needle adaptor
- (D) 1 x Inflating adaptor
- (E) 1 x 12V battery pack
- (F) 1 x 12V DC in-car power adaptor
- (G) 1 x 230V adaptor
- (H) 1 x Storage bag

6.3 Packaging

Keep the product packaging for the duration of the warranty period for reference should the product need to be returned for repair.

WARNING! Keep packaging materials out of reach of children. Dispose of packaging correctly and responsibly and in accordance with local regulations.

Please visit drapertools.com for our full range of accessories and consumables.

7. Preparing the Air Compressor

Important: Charge the compressor for five hours before first use.

7.1 Charging the Battery (230V)

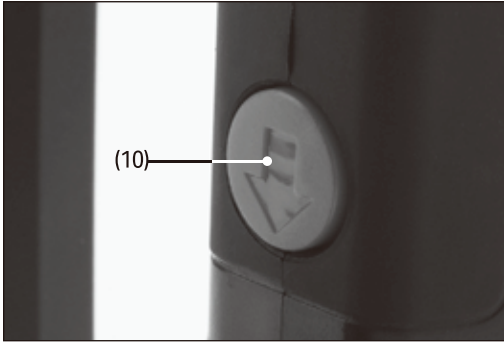


Fig. 1

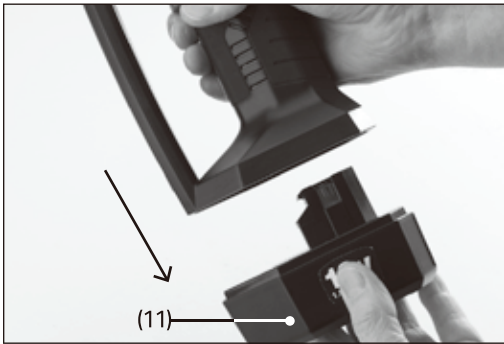


Fig. 2

1. If installed, remove the battery from the base of the compressor by pressing the battery release button (10) and pulling the battery (11) downwards.

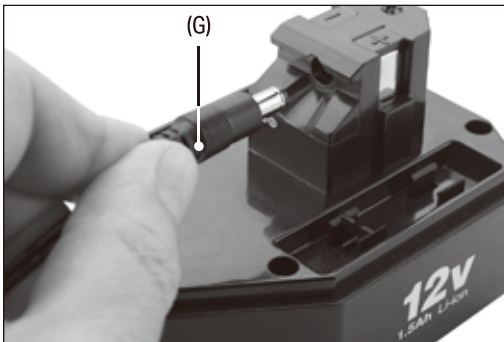


Fig. 3

2. Insert the 230V adaptor (G) pin into the battery pack and connect the plug to a 230V mains power socket.
3. The charging status is indicated by the LED on the charging adaptor:
 - **Red LED:** The battery is charging.
 - **Green LED:** The battery is fully charged.
4. Disconnect the 230V adaptor and insert the battery back into the compressor, ensuring it locks into place.

Charging may take up to three hours. The compressor should run for approximately 15 minutes on a full charge.

Important: To preserve the battery health, Draper Tools recommends that the compressor charging time does not exceed five hours.

7.2 Using the 12V DC In-Car Adaptor

Important: The 12V adaptor is not a battery and can only be used with an active power supply. Unravel the cord fully before use. Always ensure that the cable runs through the hole at the base of the adaptor.

1. If installed, remove the battery from the base of the compressor by pressing the battery release button (10) and pulling the battery (11) downwards (Fig. 1-2).

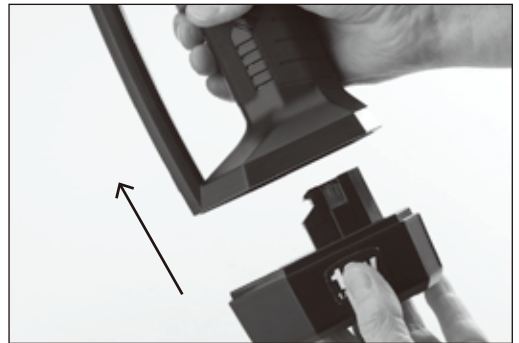


Fig. 4

2. Insert the 12V DC in-car adaptor (F) into the base of the compressor, ensuring it locks into place.



Fig. 5

3. Insert the other end of the adaptor into the vehicle DC socket.
4. To power the air compressor, switch the vehicle on.
Important: To avoid draining the vehicle battery, keep the engine running during use. **ONLY** run the vehicle engine in well-ventilated areas.

7.3 Notes on Battery Life

Typical run time will vary according to the level of charge, pressure load during use and the operating conditions:

- High-pressure loading or excessive back pressure may result in increased battery consumption.
- Cold temperatures may result in increased battery consumption; Draper Tools recommends using the 12V DC in-car adaptor in cold conditions.

8. Operating Instructions

Important: Read all Health and Safety instructions before using this product.

8.1 Using the Compressor

Important: **ALWAYS** follow the manufacturer's recommendations for pressure levels. After inflation, vehicle tyre pressure should **ALWAYS** be double-checked using a purpose-built tyre pressure gauge complying with BS EN 12645:2014.

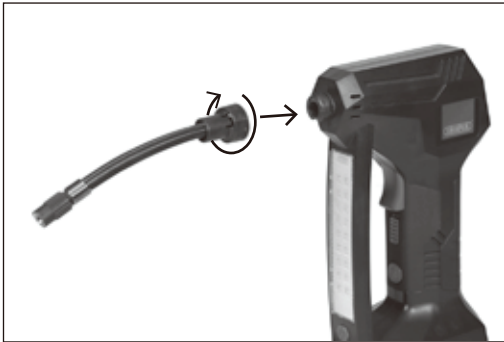


Fig. 6

1. Attach the air hose (B) by twisting the hose attachment (B1) clockwise into the attachment lock (7) until it clicks into place.



Fig. 7

2. Press the compressor power button (2) beneath the LCD pressure display (1).
Important: The compressor cannot be used until the LCD display is switched on. The LCD display turns off automatically after 30 seconds of inactivity.

3. To change the display pressure units, press the compressor power button repeatedly until the required units are displayed.
4. Screw the threaded hose connector (B2) onto the valve of the item to be inflated; the current pressure reading is shown on the display in the chosen units.
5. Use the increase (3) and decrease (4) pressure buttons to select the desired pressure level, then wait for the current pressure reading to be displayed.
Important: **ALWAYS** check and follow the manufacturer's pressure recommendations. For vehicles, this is often located on the inside of the door. For bicycles, check the markings on the tyre.

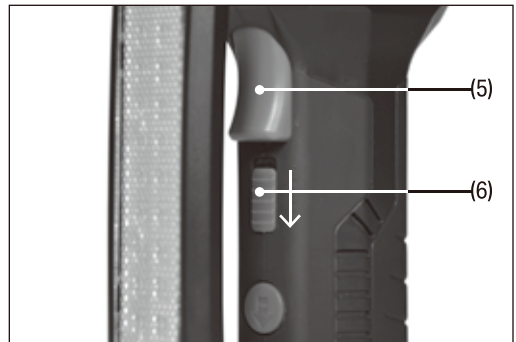


Fig. 8

6. Slide the trigger lock (6) into the "unlocked" position.
7. Press and release the trigger (5) to inflate the item; the compressor will stop automatically when the chosen pressure level is reached.
Important: The compressor will continue to operate until the trigger is pressed a second time. **DO NOT** press and hold the trigger.
8. When complete, press the trigger once to switch off the compressor then slide the trigger lock into the "locked" position.
9. Disconnect the air hose from the item valve and quickly replace the valve seal or cap, if required.
WARNING! The hose connector may be hot after use. Exercise caution when detaching it from a valve.

8.2 Using the Inflation Adaptors

To attach the needle adaptor (C) or inflation adaptor (D), screw it into the threaded hose connector (B2) until tight. Operate the compressor as described in **8.1 Using the Compressor**.

8.3 Using the Light

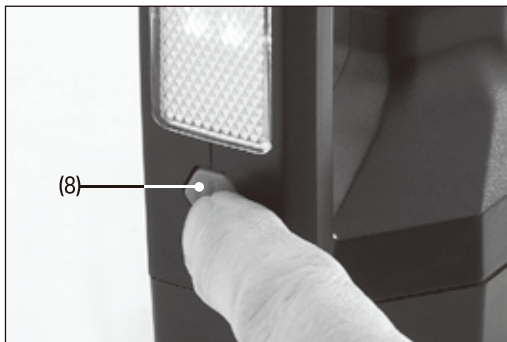


Fig. 9

To switch the light on, press the light on/off switch (8) until the required mode is enabled. The light illuminates in the following modes:

- Constant white light
- Flashing red light
- SOS mode (red light flashes in Morse code)
- Off

Important: Maintenance and repairs should be carried out **ONLY** by authorised and suitably qualified personnel.

WARNING! Disconnect the battery or power supply before carrying out any maintenance on the product.

9.1 General Maintenance

- Charge the compressor for five hours before first use.
- **DO NOT** allow the battery pack to be completely exhausted before recharging.
- **DO NOT** charge the battery pack unless the charge is low.
- **ALWAYS** remove the battery from the compressor when not in use.

- Keep all ventilation openings clean from dust and dirt.
- Keep the air hose and adaptors clean and free from obstructions.
- Clean the product regularly using a damp cloth.
CAUTION! NEVER use aggressive chemicals to clean the product as these may damage the product frame.
- Store the product in a clean and dry location, out of reach of children.
- When stored for extended periods, charge the battery periodically to maintain battery health.

9.2 Troubleshooting

Problem	Possible Cause	Remedy
The battery pack will not charge.	Poor connection between the charging/power adaptor and the socket.	Check all connections are secure.
	The power supply fuse has blown.	Check the mains fuse (230V) or 12V supply fuse as appropriate.
The compressor functions but does not inflate the item.	The connection to the item valve is not airtight.	Reattach the threaded hose connector (B2) to the valve and tighten appropriately.
	Air is escaping from the tool or inflated item.	Check that all connections at the compressor are airtight and that the compressor and hose are not leaking. Check that the inflated item does not have leaks.
The compressor inflates items slowly.	The compressor is overheating.	Unplug the compressor from the power supply and leave to cool for approximately 30min. Check that the air vents are clear and the battery pack is clean and dry.
	The voltage is too low.	Check the charge and condition of the battery pack. Check the condition of the 12V socket, if in use.

10. Disposal

At the end of its working life, or when it can no longer be repaired, dispose of the product according to local regulations.

Contact your local authority for details of collection schemes in your area.

In all circumstances:

- **DO NOT** dispose of power tools with domestic waste
- **DO NOT** incinerate
- **DO NOT** abandon in the environment



Li-ion

11. Explanation of Symbols



Read the instruction manual



Warning!



Class II construction
(Double insulated)



Do not incinerate or throw onto fire



Do not abandon in the environment



For indoor use only



Fused

F



Polarity indication



Rated voltage

150
psi

Operating air pressure (example)

10
bar

Operating air pressure (example)

1.5Ah
Li-ion

Li-ion battery, 1,500mAh



Includes a surface-mounted diode
LED light



WEEE -

Waste Electrical & Electronic Equipment

Do not dispose of Waste Electrical & Electronic Equipment
in with domestic rubbish



UKCA - UK Conformity Assessed



CE - European Conformity



Li-ion

Lithium-ion battery - Do not dispose of
this battery with domestic waste

Contact Details

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Service / Warranty Repair Agents

For aftersales servicing or warranty repairs, please contact the Draper Tools Product Helpline for details of an agent in your area.