

DRAPER[®]

INSTRUCTIONS FOR 1600W 115V 15kg Breaker

Stock No.17768 Part No.BR15A

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS PRODUCT.



CE

DRAPER[®]

GENERAL INFORMATION

These instructions accompanying the product are the original instructions. This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all these instructions before assembling, operating or maintaining this product.

This manual has been compiled by Draper Tools describing the purpose for which the product has been designed, and contains all the necessary information to ensure its correct and safe use. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself.

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

Whilst every effort has been made to ensure the accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

1. TITLE PAGE

1.1 INTRODUCTION:

USER MANUAL FOR:

1600W 115V 15kg BREAKER

Stock no.17768.

Part no.BR15A.

1.2 REVISIONS:

Date first published September 2015

Date revised May 2016.

As our user manuals are continually updated, users should make sure that they use the very latest version.

Downloads are available from: <http://www.drapertools.com/b2c/b2cmanuals.pgm>

DRAPER TOOLS LIMITED

HURSLEY ROAD

CHANDLER'S FORD

EASTLEIGH

HAMPSHIRE

SO53 1YF

UK

WEBSITE: drapertools.com

PRODUCT HELPLINE: +44 (0) 23 8049 4344

GENERAL FAX: +44 (0) 23 8026 0784

1.3 UNDERSTANDING THIS MANUALS SAFETY CONTENT:

WARNING! Information that draws attention to the risk of injury or death.

CAUTION! Information that draws attention to the risk of damage to the product or surroundings.

1.4 COPYRIGHT © NOTICE:

Copyright © Draper Tools Limited.

Permission is granted to reproduce this publication for personal & educational use only.

Commercial copying, redistribution, hiring or lending is prohibited.

No part of this publication may be stored in a retrieval system or transmitted in any other form or means without written permission from Draper Tools Limited.

In all cases this copyright notice must remain intact.

2. CONTENTS

2.1 CONTENTS

Page content	Page
1 TITLE PAGE	
1.1 INTRODUCTION	2
1.2 REVISION HISTORY	2
1.3 UNDERSTANDING THIS MANUAL	2
1.4 COPYRIGHT NOTICE	2
2 CONTENTS	
2.1 CONTENTS	3
3 GUARANTEE	
3.1 GUARANTEE	4
4 INTRODUCTION	
4.1 SCOPE	5
4.2 SPECIFICATION	5
4.3 HANDLING & STORAGE	5
5 HEALTH & SAFETY INFORMATION	
5.1 GENERAL SAFETY INSTRUCTIONS FOR POWER TOOL USE	6
5.2 CONNECTION TO THE POWER SUPPLY	7
6 TECHNICAL DESCRIPTION	
6.1 IDENTIFICATION	8
7 UNPACKING & CHECKING	
7.1 PACKAGING	9
7.2 WHAT'S IN THE BOX?	9
8 PREPARING THE BREAKER	
8.1 AUXILIARY HANDLE	10
8.2 INSERTING THE TOOL	10
8.3 CHECK THE OIL LEVEL	11
9 OPERATING INSTRUCTIONS	
9.1 SWITCH OPERATION	12
9.2 PRACTICAL TIPS	12
10 MAINTENANCE	
10.1 CLEANING	13
10.2 CARBON BRUSHES	13
10.3 CHECK THE OIL LEVEL	13
10.4 OIL CHANGE	14
11 EXPLANATION OF SYMBOLS	
11.1 EXPLANATION OF SYMBOLS	15
12 DISPOSAL	
12.1 DISPOSAL	16
DECLARATION OF CONFORMITY	ENCLOSED

3. GUARANTEE

Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship for a period of 24 months from the date of purchase except where tools are hired out when the guarantee period is 90 days from the date of purchase.

A proof of purchase must be provided with the tool.

Should the machine develop any fault, please return the complete tool to your nearest authorized warranty repair agent or contact Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF. England. Telephone Sales Desk: (023) 8049 4333 or Product Helpline (023) 8049 4344.

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 if within the first 12 months. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accident, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agent.

Note: If the tool is found not to be within the terms of warranty, repairs and carriage charges will be quoted and made accordingly.

This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.

Your Draper guarantee is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the 24 month period.

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

Draper Tools Limited

4. INTRODUCTION

4.1 SCOPE

This machine is designed for heavy duty demolition and chiselling work using the appropriate chisel.

4.2 SPECIFICATION

Stock no.	17768
Part no.	BR15A
Voltage	115V
Impact energy.....	45 Joules
Impact rate	2000r/min
Chisel size.....	29mm
Sound pressure level	98.6dB(A)
Sound power level	105dB(A)
Vibration level	
Main handle	19.248m/s ²
Auxiliary handle.....	15.351m/s ²
Weight	15kg

4.3 HANDLING & STORAGE

Care must be taken when handling and lifting this heavy tool. Dropping this machine may cause serious damage to the tool and surroundings and may also result in personal injury. This machine is not a toy and must be respected.

The environment will have a negative result on its operation if you are not careful. If the air is damp, components will rust. If the machine is unprotected from dust and debris; components may become clogged: And if not cleaned and maintained correctly or regularly the machine will not perform at its best.

5. HEALTH & SAFETY INFORMATION

5.1 GENERAL SAFETY INSTRUCTIONS FOR POWER TOOL USE

WARNING:

Please read the following instructions carefully, failure to do so could lead to serious personal injury. When using electric tools, basic safety precautions, including the following, should always be followed to reduce the risk of fire, electric shock and personal injury. Read all these instructions before operating this product and save these instructions.

IMPORTANT:

Draper Tools Limited recommends that this machine should not be modified or used for any application other than that for which it was designed. If you are unsure of its relative applications do not hesitate to contact us in writing and we will advise you.

1. **KNOW YOUR POWER TOOL:** Read and understand the owner's manual and labels affixed to the tool. Learn its application and limitations as well as the specific potential hazards peculiar to this tool.
2. **KEEP WORK AREA CLEAN:** Cluttered areas and benches invite accidents. Floors must not be slippery due to oil or sawdust.
3. **AVOID DANGEROUS ENVIRONMENTS:** Do not use power tools in damp or wet locations, or expose them to rain. Keep work area well lit. Provide adequate space surrounding the work area. Do not use in environments with a potentially explosive atmosphere.
4. **KEEP CHILDREN AWAY:** All visitors should be kept a safe distance from work area.
5. **STORED TOOLS:** When not being used, all tools should be stored in a dry, locked cupboard and out of the reach of children.
6. **WEAR PROPER CLOTHING:** Do not wear loose clothing, neckties or jewellery (rings, wristwatches) to catch in moving parts. NONSLIP footwear is recommended. Wear protective hair covering to contain long hair. Roll long sleeves above the elbow.
7. **USE SAFETY GOGGLES (Head Protection):** Wear CE approved safety goggles at all times. Normal spectacles only have impact resistant lenses, they are NOT safety glasses. Also, use face or dust mask if application is dusty and ear protectors (plugs or muffs) during extended periods of operation.
8. **NOISE LEVELS:** Some types of machines may have high noise levels when working. In such cases ear protection must be worn.
9. **VIBRATION LEVELS:** Hand held power tools produce different vibration levels. You should always refer to the specifications and relevant Health and Safety guide.
10. **DUST EXTRACTION:** If your tool is fitted with a dust extraction fitting, always ensure that it is connected and being used with a dust extractor. Vacuum cleaners can be used if suitable for the material being extracted.
11. **PROTECT YOURSELF FROM ELECTRIC SHOCK:** When working with power tools, avoid contact with any earthed items (e.g. pipes, radiators, hobs and refrigerators, etc.). If you are using a power tool in extreme conditions (e.g. high humidity or generating metal dust), always use an RCD (residual current device) at the power socket.
12. **STAY ALERT:** Always watch what you are doing and use common sense. Do not operate a power tool when you are tired or under the influence of alcohol or drugs.
13. **WHEN WORKING OUT OF DOORS:** Only use extension leads designed for that purpose.
14. **ACCESS TO MAINS SOCKET:** If a stationary machine is fitted with a moulded plug and cable, the machine should not be positioned so that access to the mains socket is restricted.
15. **DISCONNECT POWER TO THE TOOL:** When not in use, before servicing and when changing accessories such as cutters, etc.
16. **AVOID ACCIDENTAL STARTING:** Make sure the switch is in the OFF position before plugging the machine into the power supply.
17. **NEVER LEAVE MACHINE RUNNING UNATTENDED:** Turn power off. Do not leave machine until it comes to a complete stop.
18. **DO NOT ABUSE THE CORD:** Never carry the tool by the power cable or pull it from the socket. Keep the power cable away from heat, oil and sharp edges. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid hazard.
19. **NEVER STAND ON TOOL:** Serious injury could occur if the tool is tipped or if the cutting tool is accidentally contacted. Do not store materials above or near the tool, so that it is necessary to stand on the tool to reach them.

5. HEALTH & SAFETY INFORMATION

20. **CHECK DAMAGED PARTS:** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, free running of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be repaired properly or replaced by an authorized service centre unless otherwise indicated in this instruction manual. Have defective switches replaced by an authorized service facility. Do not use the tool if the switch does not turn it on and off.
21. **KEEP GUARDS IN PLACE:** And in working order.
22. **MAINTAIN TOOLS WITH CARE:** Keep tools sharp and clean for the best and safest performance. Follow instructions for lubricating and changing accessories. All extension cables must be checked at regular intervals and replaced if damaged. Always keep the hand grips on the tool clean, dry and free of oil and grease.
23. **USE RECOMMENDED ACCESSORIES:** Consult the owners manual for recommended accessories. Follow the instructions that accompany the accessories. The use of improper accessories may cause hazards.
24. **REMOVE ADJUSTING KEYS AND WRENCHES:** Form a habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.
25. **SECURE WORK:** Use clamps or a vice to hold work. This frees both hands to operate the tool.
26. **DO NOT OVERREACH:** Keep proper footing and balance at all times.
27. **USE RIGHT TOOL:** Do not force the tool or attachment to do a job for which it was not designed.
28. **DO NOT FORCE TOOL:** It will do the job better and safer at the rate for which it was designed.
29. **DIRECTION OF FEED:** Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
30. **WHEN DRILLING OR SCREWING INTO WALLS AND FLOORS:** Always make sure there is no danger of hitting any hidden power cables, water or gas pipes in the wall/floor.
31. **HAVE YOUR TOOL REPAIRED BY A QUALIFIED PERSON:** This electric tool is in accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.

IMPORTANT NOTE:

Residual Risk. Although the safety instructions and operating manuals for our tools contain extensive instructions on safe working with power tools, every power tool involves a certain residual risk which can not be completely excluded by safety mechanisms. Power tools must therefore always be operated with caution!

5.2 CONNECTION TO THE POWER SUPPLY

WARNING: THIS APPLIANCE IS DOUBLE INSULATED. (110 V ONLY):

The mains lead is coloured Blue – Neutral & Brown – Live.

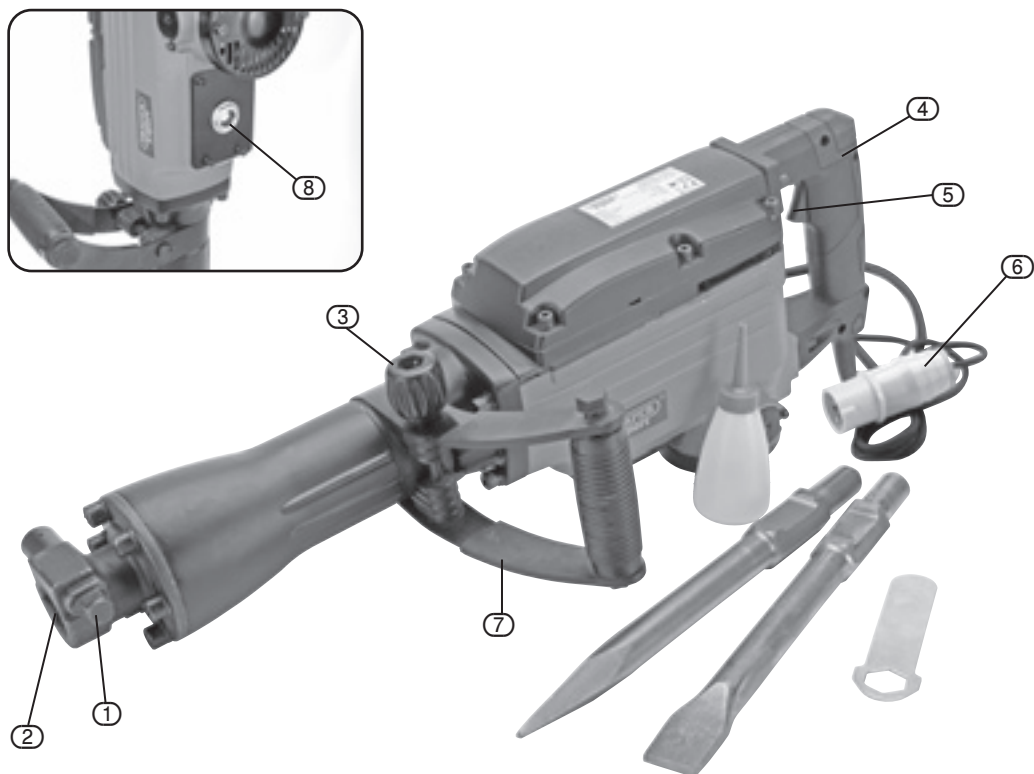
As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter 'N' or coloured black or blue.

The wire which is coloured brown must be connected to the terminal which is marked with the letter 'L' or coloured red or brown.

6. TECHNICAL DESCRIPTION

6.1 IDENTIFICATION



- ① Tool chuck
- ② Locking bolt
- ③ Lock for auxiliary handle
- ④ Handle

- ⑤ Trigger switch
- ⑥ 110V 3-pin plug
- ⑦ Insulated auxiliary handle
- ⑧ Inspection window / Oil filler opening

7. UNPACKING & CHECKING

7.1 PACKAGING

Carefully remove the product from the packaging and examine it for any sign of damage that may have happened during shipping. Lay the contents out and check them against the parts shown below. If any part is damaged or missing; please contact the Draper Helpline (the telephone number appears on the Title page) and do not attempt to use the tool.

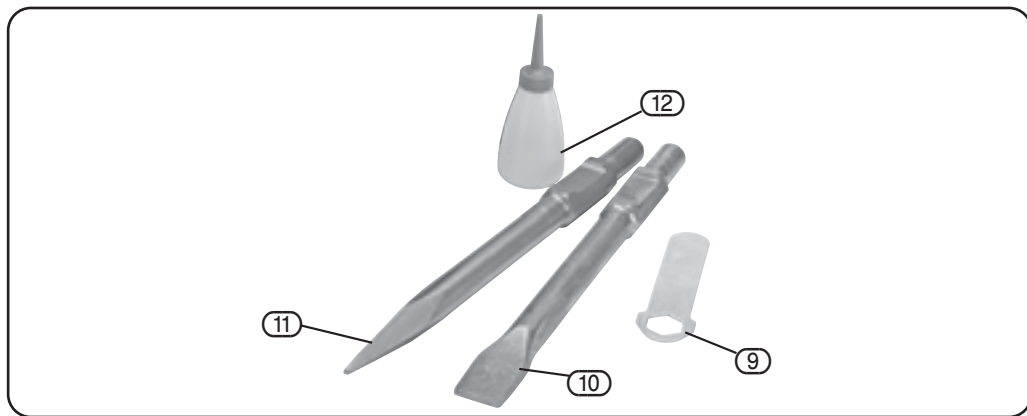
The packaging material should be retained at least during the guarantee period: in case the machine needs to be returned for repair.

Warning! Some of the packaging materials used may be harmful to children. Do not leave any of these materials in the reach of children.

If any of the packaging is to be thrown away, make sure they are disposed of correctly; according to local regulations.

7.2 WHAT'S IN THE BOX?

As well as the product; there are several parts not fitted or attached to it.



(9) Oil fill access spanner

(10) Flat chisel

(11) Point chisel

(12) Oil bottle

(13) 1 pair of carbon brushes (not shown)

8. PREPARING THE BREAKER

NOTE: Before you connect the equipment to the mains supply make sure that the data on the rating plate are identical to the mains data.

Remove the plug from the socket before carrying out adjustment, servicing or maintenance.

8.1 AUXILIARY HANDLE - FIGS. 1 - 2

The auxiliary handle (7) enables you to achieve better stability whilst using the breaker.

For safety reasons the machine must not be used without the auxiliary handle (7).

The auxiliary handle can be turned into any required position. Unlock knob (3) and turn the handle into the most comfortable working position, then re-tighten.

WARNING: Always hold the machine only by the two handles. This is to avoid electric shock if the chisel hits live cables.

FIG.1

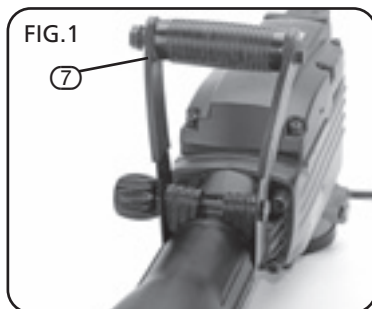


FIG.2

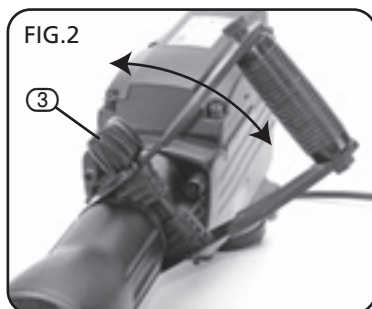
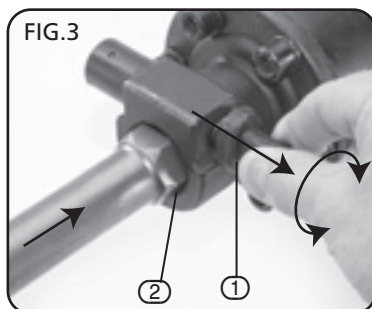


FIG.3



8.2 INSERTING THE TOOL - FIG. 3

- Clean the tool before fitting it and apply a thin coating of grease to the tool shaft.
- Pull out the locking bolt (1) as far as possible, turn it through 180° and release it.
- Insert the tool into the tool mounting (2) and push it in as far as possible.
- Pull out the locking bolt (1) again, turn it through 180° and release it.
- Check the lock by pulling the tool.

Removing the tool

- To remove the tool, proceed in reverse order.

8. PREPARING THE BREAKER

8.3 CHECK THE OIL LEVEL - FIG. 4

Check the oil level before using the machine.

Place the machine on the floor with the tool mounting pointing downwards. The oil must be at least 3 mm above the bottom edge of the inspection window (8).



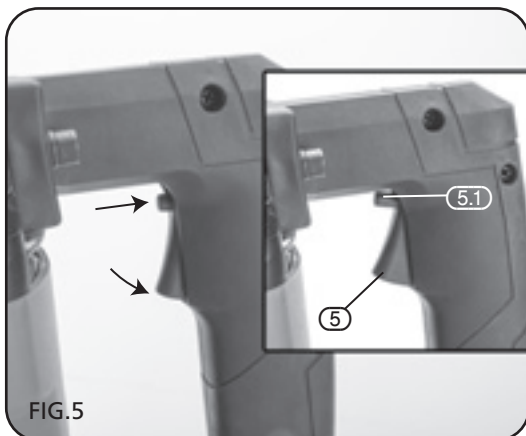
9. OPERATING INSTRUCTIONS

IMPORTANT: Make sure that the mains voltage matches the voltage stated on the machines rating plate.

9.1 SWITCH OPERATION - FIG. 5

The trigger switch (5) on this tool is fitted with a locking device, (5.1), allowing the tool to be operated for longer periods of time without interruptions. The machine will now continue to run until trigger (5) is pressed, automatically releasing locking button (5.1).

Before inserting the plug into the socket, check that the switch is in the unlocked position. When the tool is not to be used for long periods, remember to leave the switch device in the unlocked position.



9.2 PRACTICAL TIPS

You will only achieve good results if you use sharp chisels. You should therefore sharpen the chisels promptly to ensure that they produce good results and provide a long service life.

Important: You only require slight contact pressure for chiselling. Excessive contact pressure will place an unnecessary strain on the motor. Check the chisels at regular intervals. Sharpen or replace blunt chisels.

10. MAINTENANCE

Always pull out the mains power plug before starting any cleaning work.

10.1 CLEANING

- Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible.
Wipe the equipment with a clean cloth or blow it with compressed air at low pressure.
- We recommend that you clean the device immediately each time you have finished using it.
- Clean the equipment regularly with a moist cloth and some soft soap. Do not use cleaning agents or solvents; these could attack the plastic parts of the equipment. Ensure that no water can seep into the device.

10.2 CARBON BRUSHES

- In case of excessive sparking, have the carbon brushes checked only by a qualified electrician.

Important: The carbon brushes should not be replaced by anyone but a qualified electrician.

10.3 CHECK THE OIL LEVEL - FIG. 6

Check the oil level before using the machine.
Place the machine on the floor with the tool mounting pointing downwards. The oil must be at least 3 mm above the bottom edge of the inspection window (8).

Changing the oil: The oil should be changed after around 40-50 hours of use.

Recommended oil: 25ml SAE 15W/40 or an alternative of the same quality.



FIG.6

10. MAINTENANCE

10.4 OIL CHANGE - FIG. 7

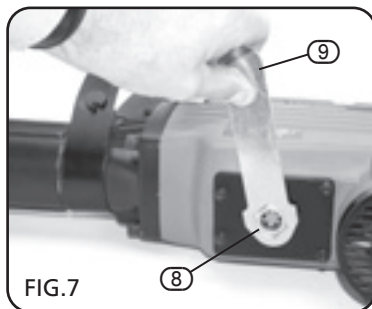
Switch off the machine and pull the mains plug out of the socket.

Undo the hexagonal head screw with the inspection window (8) using the wrench (9) and drain the oil. To prevent the oil from running out in an uncontrolled manner, hold a small metal chute under the opening and collect the oil in a vessel until it has fully drained out of the machine.

Important: The waste oil must be disposed of in the appropriate collection point for waste oil.

Add new oil (approx. 25 ml) through the oil filler opening (8) until the oil level reaches the required level. Tighten the hexagonal screw again.

Re-check the oil level after a short period of operation.



11. EXPLANATION OF SYMBOLS

11.1 EXPLANATION OF SYMBOLS



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



Class II construction
(Double insulated).



Warning!
Read the instruction manual



Single value noise marking.
(maximum declared
A-Weighted sound power
level in decibels).



Warning!
Wear dust mask.



Warning!
Wear ear defenders.



Warning!
Wear goggles.



Important!

When using equipment, a few safety precautions must be observed to avoid injuries and damage.

Please read the complete operating manual with due care. Keep this manual in a safe place, so that the information is available at all times. If you give the equipment to any other person, give them these operating instructions as well.

We accept no liability for damage or accidents which arise due to nonobservance of these instructions and the safety information.

12. DISPOSAL

12.1 DISPOSAL

- At the end of the machine's working life, or when it can no longer be repaired, ensure that it is disposed of according to national 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.
- Do not dispose of WEEE* as unsorted municipal waste.



* Waste Electrical & Electronic Equipment.

- **DRAPER TOOLS LIMITED,**
Hursley Road, Chandler's Ford,
Eastleigh, Hampshire. SO53 1YF. U.K.
- **Helpline:** (023) 8049 4344
- **Sales Desk:** (023) 8049 4333
- **General Enquiries:** (023) 8026 6355
- **Service/Warranty Repair Agent**
For aftersales servicing or warranty repairs, please
contact the Draper Tools Helpline for details of an
agent in your local area.

YOUR DRAPER STOCKIST

RDDH0516

