



DRAPER 67985 Router Variable Speed Instruction Manual

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DRAPER 67985 Router Variable Speed



GENERAL INFORMATION

- This manual has been compiled by Draper Tools and is an integrated part of the product with which it is enclosed and should be kept with it for future reference.
- This manual describes the purposes for which the product has been designed and contains all the information to enable it to be used safely. We recommend that this manual is read before any operation or, before performing any kind of adjustment to the product and prior to any maintenance work. 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 tool 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 does not determine the right to make modifications without prior warning.

DECLARATION OF CONFORMITY

We
Draper Tools Ltd. Hursley Road, Chandler's Ford, Eastleigh, Hampshire.
SO53 1YF. England.

Declare under our sole responsibility that the product:

Stock No:- 67985.

Part No:- PT1200V.

Description:- Router 1200W Variable Speed

To which this declaration relates is in conformity with the following directive(s)
98/37/EC, 73/23/EEC & 89/336/EEC

With reference to: EN50144-1:1998, EN50144-2-17:2000, EN55014-1:2000,
EN55014-2:1997, EN61000-3-2:2000 & EN61000-3-3:1995



JOHN DRAPER
Managing Director

04/12/2001

SPECIFICATION

The Draper Tools policy of continuous improvement determines the right to change specification without notice.

- **Stock No** 67986
- **Part No** PT1200V
- **Voltage** 230V /50Hz
- **Motor** 1200W
- **Cutter capacity** 40mm0
- **Plunge stroke**
 - **with dust extraction port fitted** 0 – 46mm
 - **without dust extraction port fitted** 0 – 60mm
- **Speed (no load)** 16,000- 30,000rpm
- **Weight (machine only)** 3.1kg
- **Sound pressure level** 93.2db(A)
- **Sound power level** 106.2db(A)
- **Vibration level** <2.5m/s²

ALWAYS WEAR EAR PROTECTION, SAFETY GOGGLES AND A DUST MASK

GUARANTEE (Domestic D.I. Y. power tools)

- Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.
- Should the tool develop a fault, please return the complete tool to your nearest distributor or contact Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO63 1 YF. England. Telephone: (023) 8026 6366.
- 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 guarantee period covering parts/labour is 12 months from the date of purchase. The guarantee is extended to 24 months for parts only. This guarantee does not apply to 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 warranty repair agent.

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

Draper Tools Limited.

POWER SUPPLY

CONNECTING YOUR MACHINE TO THE POWER SUPPLY: (230V ONLY)

- To eliminate the possibility of an electric shock your machine has been fitted with a BS approved, non rewirable moulded plug and cable which incorporates a fuse, the value of which is indicated on the pin face of the plug. If the plug is marked with the  symbol and the fuse needs replacing,  approved BS1362 fuse must be used of the same amp rating. If the plug is not  marked, a fuse with the  symbol, W BS Kitemark, or both  and W BS Kitemark, of the same amp rating should be used.
- The fuse cover is detachable, never use the plug with the cover omitted. If a replacement fuse cover is required, ensure it is the same colour as that visible on the pin face of the plug (i.e. red). Fuse covers are available from your Draper Tools stockist.
- If the fitted plug is not suitable, it should be cut off and destroyed. *The end of the cable should now be suitably prepared and the correct type of plug fitted. See below.

WARNING:

A plug with bare flexible wires exposed is hazardous if engaged in a live power socket outlet.

WARNING: THIS APPLIANCE IS DOUBLE INSULATED.

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.

EXTENSION LEAD CHART:

Extension lead sizes shown assure a voltage drop of not more than 5% at rated load of tool.

| Ampere rating (on Name plate) | 3 | 6 | 10 | 13 |
|----------------------------------|---------------------------|------|------|------|
| Extension cable length (Metres) | Wire Size mm ² | | | |
| 7.5 | 0.75 | 0.75 | 1.0 | 1.25 |
| 15 | 0.75 | 0.75 | 1.0 | 1.5 |
| 22.5 | 0.75 | 0.75 | 1.0 | 1.5 |
| 30 | 0.75 | 0.75 | 1.25 | 1.5 |
| 45 | 0.75 | 0.75 | 1.5 | 2.5 |

GENERAL SAFETY INSTRUCTIONS FOR POWER TOOLS

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 (Bead 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. **BEENWORKING 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. **DONOTABUSETHECORD**

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.

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.

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. SECUREWORK

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

Always make sure there is no danger of hitting any hidden power cables, water or gas pipes in the wall.

31. HAVE YOUR TOOL REPAIRED BY A QUALIFIED PERSON

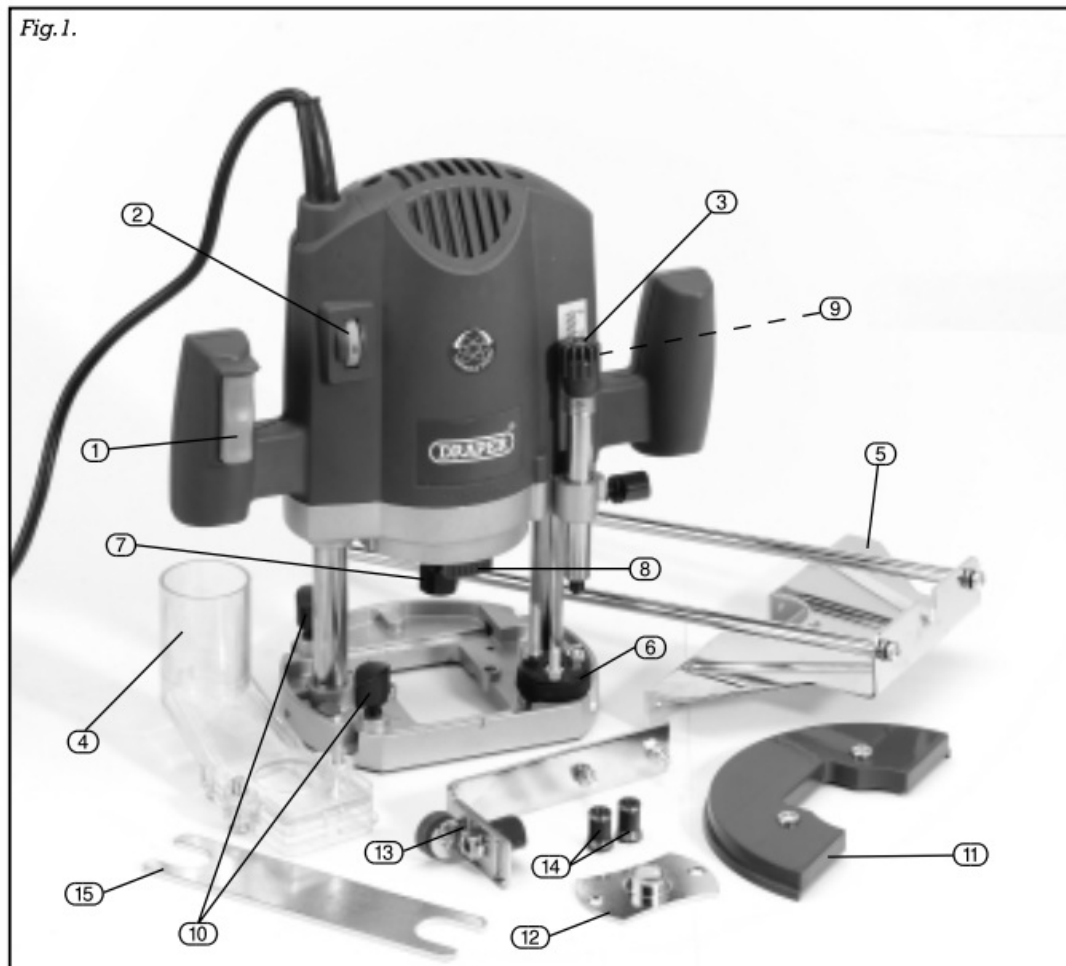
This electric tool is in accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.

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

GETTING TO KNOW YOUR ROUTER

Fig.1.



1. On/off switch
2. Variable speed dial
3. Depth indicator
4. Dust extraction port
5. Parallel guide
6. Depth stop turret
7. Collet nut
8. Spindle lock
9. Height lock
10. Parallel guide fixing
11. Straight edge follower
12. Template follower
13. Edge follower
14. Collet
15. Wrench

UNPACKING:

- After removing the packaging material make sure the product is in perfect condition and that there are visibly no damaged parts. If in doubt, do not use the Router and contact the dealer from whom it was purchased.
- The packaging materials (plastic bags, polystyrene etc.) must be disposed of in an appropriate refuse collection container. These materials must not be left within the reach of children as they are potential sources of danger.

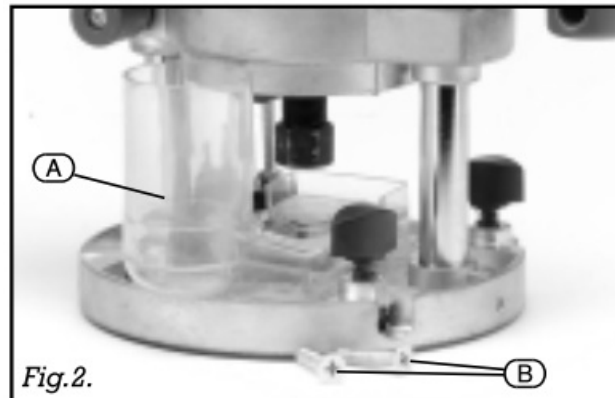
ASSEMBLY

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

DUST EXTRACTOR (Fig.2.):

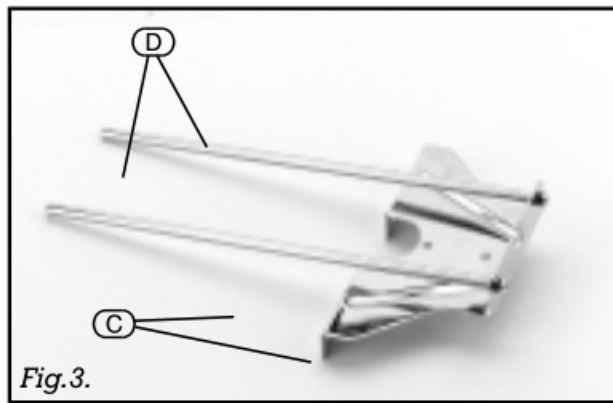
- The majority of operations will require the dust extraction to be fitted, however some operations will be impossible with the port fitted. These require appropriate safety equipment to be worn.
- Fit the dust extraction port A into the recess. Pass the two bolts B) up through the base and into the captive nuts in the port. Secure the port without damaging the plastic parts by overtightening.

NOTE: With the dust extraction port fitted, the plunger stroke is reduced to 45mm.



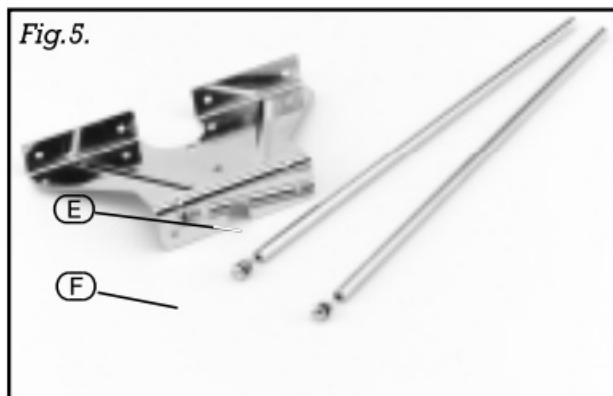
PARALLEL GUIDE ASSEMBLY (Fig.3 & 4):

Remove the two screws (C) from the end of the guide rods. Pass them through plate D and re-secure the screws tightly. The parallel guide is now ready for fitting.



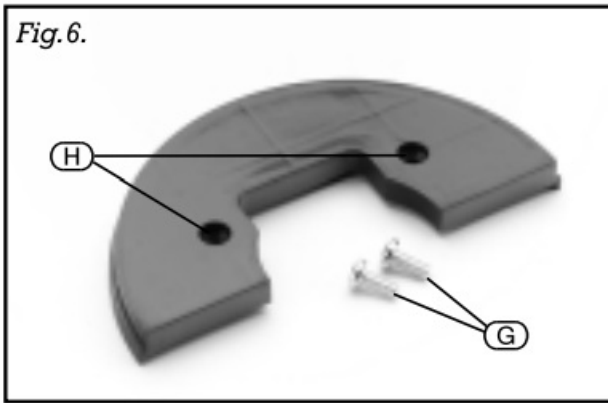
PARALLEL GUIDE (Fig.5):

Loosen locking knob E and F insert the pocaine guide into position and tighten



STRAIGHT EDGE FOLLOWER (Fig.6.):

Using the two screws G, fit the edge follower H to the underside of the router base. When fixed into position this guide is not adjustable.



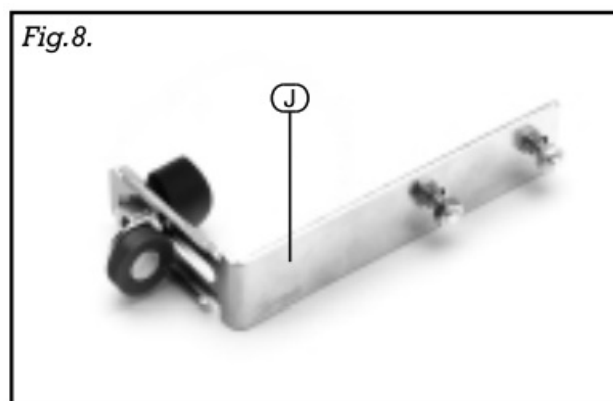
TEMPLATE FOLLOWER (Fig.7.):

Using the two screws and nuts which secure the dust extraction nozzle to the base, fit the template follower I with the flange facing down.



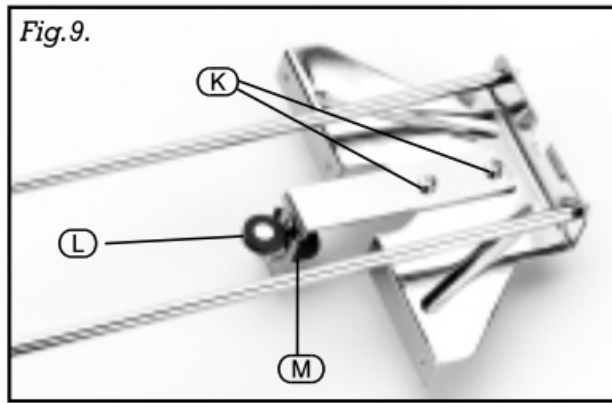
EDGE FOLLOWER (Fig.8.):

The edge follower D is designed for tracing edges that are not straight.



ATTACHING FOLLOWER TO GUIDE (Fig.9.):

Using the two nuts and screws K fix the follower securely to the parallel guide. When the parallel guide is fitted to the router, adjust it so the roller L is against the edge. Loosen knob M to raise or lower as necessary. Lock in place again with knob (M).



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

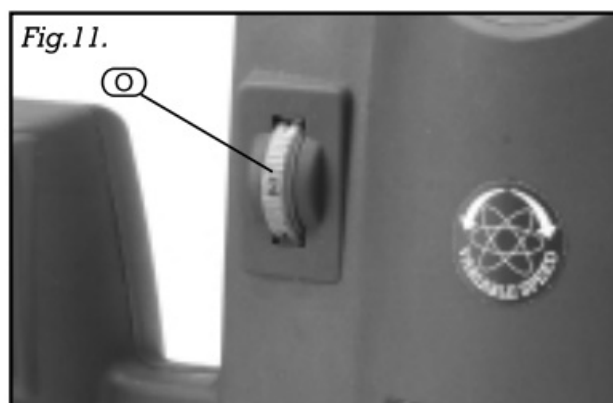
ON/OFF SWITCH (Fig.10.):

- The ON/OFF switch is designed so that it can not be locked in the ON position.
- To operate, press switch N) in. Release the switch to stop the router.



VARIABLE SPEED DIAL (Fig.11.):

The speed can be varied to suit the job in hand. Rotate the dial O, to the desired setting. 1 – 6 (10,000 – 29,000rpm).



FITTING AND REPLACING THE BITS (Fig.12.& 13.):

NOTE: Only use cutters of the correct shank diameter and which are suitable for the speed of the tool.

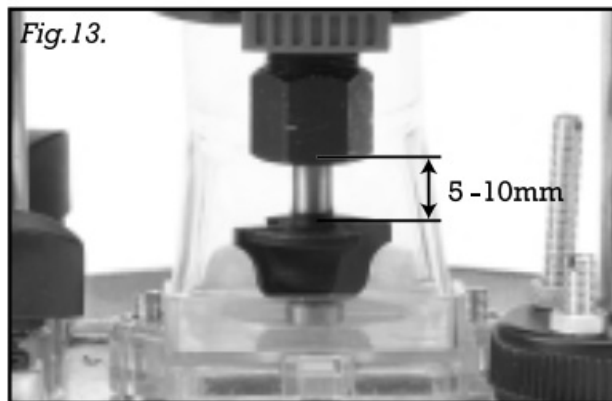
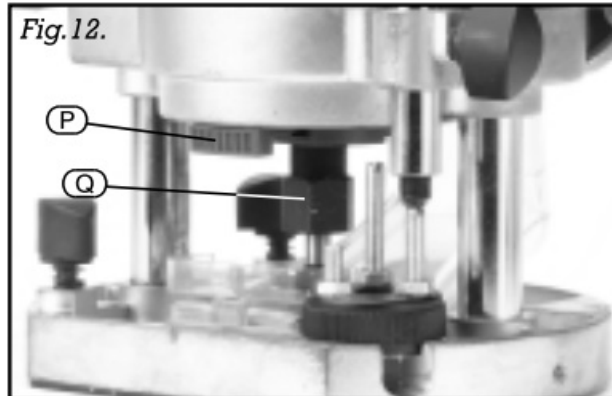
- Press the spindle lock button P, unscrew the collet nut Q using the wrench supplied and remove. Choose from the three collets provided, the appropriate size for the cutters shank 1/4", 6mm and 8mm. If the size is not known insert the bit into the collet. The collet which offers a machine fit to the bit is the correct one to use. Do not force

the bit into a collet.

- Place the collet into the spindle and loosely replace the nut.
- Slide in the bit allowing approx. 5 – 10mm (or follow the bit manufacturers instructions) overhang and tighten the nut.

NOTE: Do not overtighten the nut.

WARNING: Take care when handling the cutter bits as they are extremely sharp.



CUTTER SHOWN NOT SUPPLIED.

SETTING THE DEPTH STOP (Fig.14.& 15.):

- The router is equipped with a depth stop R that can be adjusted to the required depth.
- This is shown on the scale, marked with pointer (S. Loosen locking knob O to adjust accordingly.
- For finer adjustments turning knob O will adjust the depth stop + or – 5mm.

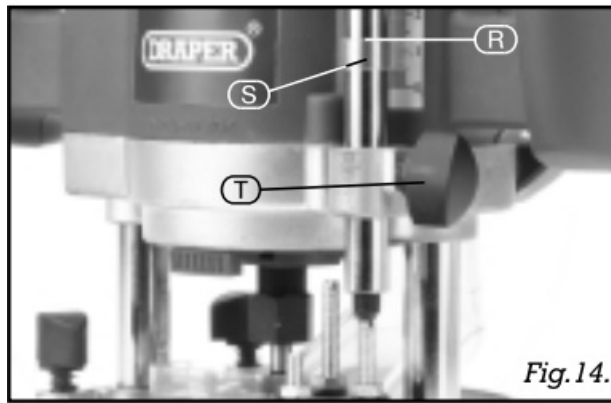


Fig. 14.

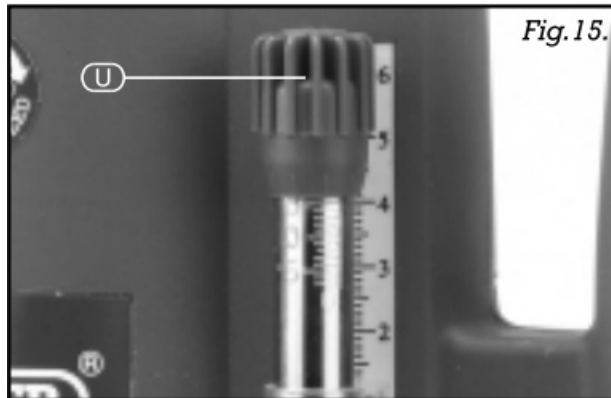


Fig. 15.

DEEP CUTS (Fig.16.):

We recommend that deep cuts are carried out in three stages with the aid of the turret. Set the depth using the lowest setting on the turret. Set the turret to the highest position and carry out the first plunge. Then set the middle position and plunge, and finally make the last cut to full depth on the lowest setting.

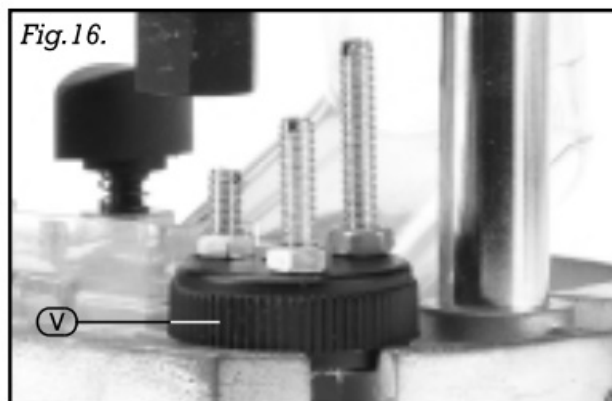
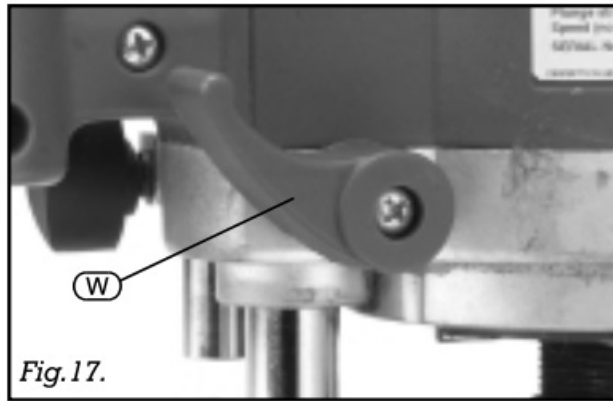


Fig. 16.

HEIGHT LOCKING LEVER (Fig.11.):

While carrying out certain operations it may be necessary to keep the router locked in the plunge position. While plunged, lock in place using lever W.



DUST EXTRACTION (Fig.12.):

It is recommended that a suitable vacuum cleaner (Draper Stock No.64674) be used to reduce the amount of airborne dust particles. Suitable protective equipment should also be worn.



PARALLEL GUIDE (Fig.13.):

The parallel guide can be inserted from either side of the router base. Set the desired adjustments as required.

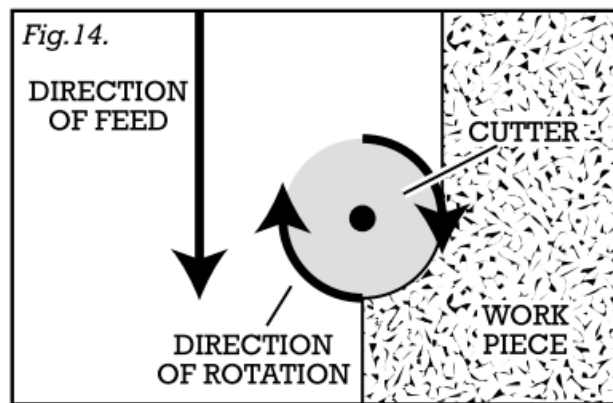


DIRECTION OF CUT (Fig.14.):

When beginning to cut, plunge the cutter slowly to the selected depth and start in a forward motion, holding the machine with both hands. Starting the cutter and travelling in the wrong direction will cause the cutter to bounce along the workpiece, possibly causing damage.

NOTE: The direction of rotation is marked on the top of the base with an arrow.

IMPROPER USE: The functions and use of this tool are those exclusively indicated in this manual and any other use of this tool is strictly forbidden.



OPTIONAL ACCESSORIES

- **12 Piece Router Bit Set**

- Stock No. 56834
- Shank O: 1/4"

- **Spare Collets**

- **Stock No. 68363**
Size: 6mm
- **Stock No. 68364**
Size: 8mm
- **Stock No. 68365**
Size: 1/4"

ABOUT COMPANY

- DRAPER TOOLS LIMITED,
- Hursley Road, Chandler's Ford, Eastleigh, Hants. SO53 1YF. U.K.
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- **Sales Desk:** (023) 8049 4333.
- **General Enquiries:** (023) 8026 6355.
- **Fax:** (023) 8026 0784.
- <http://www.draper.co.uk>
- e-mail: sales@draper.co.uk

| | |
|--|--|
|  The image shows the front cover of a Draper 1200W Router instruction manual. At the top left is the Draper logo with the tagline 'THE TOOL COMPANY'. Below it, '1200W ROUTER' is printed in large, bold letters. To the right of the title, there are two small icons: a plug and a switch. In the center is a photograph of the router tool. Below the photo is a CE mark and some small text. At the bottom, there is a section titled 'GENERAL INFORMATION' with several lines of small text. | <p>DRAPER 67985 Router Variable Speed [pdf] Instruction Manual</p> <p>67985 Router Variable Speed, 67985, Router Variable Speed, Variable Speed, Speed</p> |
|--|--|

References

- [User Manual](#)

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