

RPMSR

Professional Router Table

Instruction Manual

IMPORTANT

For your safety read instructions carefully before assembling or using this product. Save this manual for future reference.



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Essential Accessories Quick Find

Part Description	Part Number	
Collect Extension - 1/2"	RPMS-CX	

Health & Safety Guidance

READ ALL THE INSTRUCTIONS IN THIS MANUAL CAREFULLY BEFORE ASSEMBLY, INSTALLATION AND USE OF THIS PRODUCT.

KEEP THESE INSTRUCTIONS IN A SAFE PLACE FOR FUTURE REFERENCE.

WARNING: When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury.

SAFE OPERATION

1. Eye Protection

The operation of any power tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Always wear safety glasses or other suitable eye protection. Wear safety glasses at all times. Everyday glasses only have impact resistant lenses. They are not safety glasses which give additional lateral protection. It is also important to wear ear protectors when operating the table saw.

2. Keep work area clear.

Cluttered areas and benches invite accidents and injuries.

3. Consider work area environment.

Do not expose the machine to rain or damp conditions.

- Keep the work area well lit.
- Do not use the machine in the presence of flammable liquids or gases.

4. Guard against electric shock.

Avoid body contact with earthed or grounded surfaces.

5. Keep other persons away (and pets).

Do not let persons, especially children, not involved in the work, touch the machine, or extension cord (if used) and keep visitors away from the work area.

6. Store idle tools.

When not in use, tools should be stored in a dry, locked- up place, out of reach of children.

7. Do not force the machine.

It will do the job better and work more safely if operated at the speed at which it was intended.

8. Use the right tool.

- Do not force small tools to do the job of a heavy-duty tool.
- Do not use tools for purposes other than those for which they were intended.

9. Dress properly.

- Non-slip footwear is recommended.
- Do not wear loose clothing, neckties or jewellery; they can be caught in moving parts.
- Roll up long sleeves above the elbow.
- Wear protective hair covering to contain long hair.

10. Use protective equipment

- Use safety glasses. (See note 1. above)
- Use face or dust shield if cutting operation creates dust.
- Use ear plugs or ear defenders when the machine is in use

11. Connect dust extraction equipment.

(See section 9, page 22)

12. Do not abuse the cord.

Never yank the cord to disconnect it from the socket. Keep the cord away from heat, oil and sharp edges.

13. Do not overreach.

Keep proper footing and balance at all times.

14. Secure work.

Ensure that your work piece is properly held before starting to cut.

15. Maintain tools with care.

- Follow instructions for lubrication and changing accessories.
- Inspect electric cords periodically and, if damaged, have them repaired by an authorized service facility or qualified electrician.
- Inspect extension cords (if used) periodically and replace if damaged. Always use properly rated extension cord.

16. Disconnect Machine.

When not in use, before servicing, changing blades etc. disconnect the machine from the power supply.

17. Never leave machine running unattended.

Turn power off, do not leave machine until it comes to a complete stop.

18. Remove adjusting keys and wrenches.

ENSURE that all adjusting wrenches and keys are removed before switching the machine 'ON'.

19. Avoid unintentional starting.

Ensure the switch is in the "STOP" position before turning on the power from the main electricity supply. Your Record Table saw already incorporates low voltage protection. This means the machine will not automatically start up after say a power cut, unless you first reset the start switch.

20. Out-door Extension Leads.

Your machine should not be used outdoors.

21. Stay alert.

Watch what you are doing, use common sense and do not use the machine when you are tired.

22. Check for damaged parts.

- Before use of the machine, it should be carefully checked to determine that it will operate properly and perform its intended function.
- Check for alignment of moving parts, binding 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 properly repaired or replaced by a qualified person unless otherwise indicated in this instruction manual. Have defective switches replaced by a qualified person.
- Do not use the machine if the switch does not turn on and off.

23. Warning!

• The use of any accessory or attachment, other than those recommended in this instruction manual, or recommended by our Company may present a risk of personal injury.

24. Have your machine repaired by a qualified person.

This electric machine complies with the relevant safety rules.
 Only qualified persons using original spare parts should carry out repairs. Failure to do this may result in considerable danger to the user.

25. This machine is designed for cutting wood.

• Do not use for cutting any material other than wood.

Maintenance and Servicing

This machine requires very little maintenance. This handbook gives clear instructions on installation, set up and operation. Read these instructions carefully. Remember always to switch off and unplug from the main electricity supply before carrying out any setting up or maintenance operations.

Should you need advice on the repair or maintenance of this product, our Customer Service Department can be contacted on 0870 770 1777 and will be happy to assist you.

Additional Safety Instructions For Table Saws

SAFETY IS A COMBINATION OF OPERATOR COMMON SENSE AND ALERTNESS AT ALL TIMES WHEN THE TABLE SAW IS BEING USED.

WARNING: FOR YOUR OWN SAFETY, DO NOT ATTEMPT TO OPERATE YOUR TABLE SAW UNTIL IT IS COMPLETELY ASSEMBLED AND INSTALLED ACCORDING TO THE INSTRUCTIONS.

SAFE OPERATION

- 1. The table saw should be bolted to the floor where possible.
- **2.** If you are not thoroughly familiar with the operation of table saws, obtain advice from your supervisor, instructor, or other qualified person or contact your retailer for information on training courses. Do not use this machine until adequate training has been undertaken.
- **3.** Never turn the machine 'ON' before clearing the table of all objects (tools, scrap pieces etc.)
- 4 Ensure that:
- (i) the voltage of the machine corresponds to the mains voltage.
- (ii) To use an earthed power source (wall socket).
- (iii) The cord and plug are in good condition, i.e. not frayed or damaged.
- (iv) No saw teeth are missing and the blade is not cracked or split. Otherwise replace blade.
- (v) The blade is aligned.
- **5.** Never start the machine with the saw blade pressed against the workpiece.
- 6. Never apply sideways pressure on the blade.
- **7.** Care must be taken when cutting wood with knots, nails or cracks in it and / or dirt on it.
- 8. Never leave the machine running unattended.
- 9. Do not use saw blades which are damaged or deformed.
- **10.** Ensure the selection of the saw blade is suitable for the material to be cut.

- **11.** If the electrics are damaged, parts must only be replaced by a qualified electrician.
- 12. Never use a long extension cable.
- 13. Always use a push stick and keep hands clear of the blade.
- **14.** Never remove the crown guard or riving knife. These are there to protect the user.
- **15.** WARNING LABELS It is important that labels bearing Health & Safety Warnings are not removed or painted over. New labels are available from Customer Services.
- **16.** MECHANICAL SAFETY The security of all clamps and work holding devices should be checked before switching on.
- 17. WOOD DUST The fine particles of dust produced in cutting operations are a potential health risk. Some imported hardwoods do give off highly irritant dust which causes a burning sensation. We strongly recommend the use of a dust collector and dust mask/visor. Our Customer Services Department will also be happy to advise you on the correct unit for your needs.
- **18.** This machine falls under the scope of the 'Health & Safety at Work etc. Act 1974', and the 'Provision & Use of Work Equipment Regulations 1998'. We recommend that you study and follow these regulations. For further help on any of the above matters please contact our Customer Services Department at :-

Tel: 0870 770 1777 Fax: 0870 770 1888

WARNING: Do not allow familiarity (gained from frequent use of your machine) to cause complacency. Always remember that a careless fraction of a second is sufficient to inflict severe injury.

Record Power Guarantee

1. INTRODUCTION

- **1.1** We supply machinery through a network of dealers and authorised distributors and you should be aware that your contract of sale is with the retailer from whom you purchased this product.
- **1.2** If you are not satisfied with this product you should in the first instance approach the retailer from whom you purchased it.
- **1.3** Customers have statutory rights to protect them and information on this can be found at the Citizens Advice Bureau or on such web-sites as that operated by the DTI (http://www.dti.gov.uk)
- **1.4** Returning your guarantee card will speed up the claims procedure and can be very helpful as a proof of purchase should the initial receipt be mislaid or damaged. We recommend that this is returned as close to your original purchase date as possible.
- 1.5 Correct installation, set-up, adjustment and routine maintenance of the machine are the responsibility of the enduser and problems arising from incorrect set-up, adjustment or maintenance are not covered by the terms of this guarantee. However support is available in the first instance from the retailer who supplied you and free technical support is available from Record Power on 0870 7701777 during office hours and from an extensive knowledge base on our website www.recordpower. co.uk. We also recommend that those users who have not had suitable training in the safe use of machinery should seek such training locally before using or attempting to set up and adjust any machinery (please contact your retailer for recommendations in your local area).

2. GUARANTEE

- **2.1** In addition to the above Record Power guarantees that for a period of 5 years from the date of purchase the components of this product will be free from defects caused by faulty construction or manufacture.
- **2.2** During this period Record Power will repair or replace free of charge any parts which are proved to be faulty in accordance with paragraph 2.1 above provided that:
- **2.2.1** You follow the claims procedure set out below;
- **2.2.2** We are given a reasonable opportunity after receiving notice of the claim to examine the product.
- **2.2.3** If asked to do so by us, you return the product to Record Power's premises or other approved premises such as those of the supplying dealer, for the examination to take place.
- **2.2.4** The fault in question is not caused by continuous industrial use, accidental damage, fair wear and tear, wilful damage, negligence on your part, incorrect electrical connection, unapproved modification, abnormal working conditions, failure to follow our instructions, misuse, or alteration or repair of the product without our approval.
- **2.2.5** This product has been purchased by you and not used for hire purposes;
- **2.2.6** This Guarantee extends to the cost of carriage incurred by you returning the product to Record Power as long as it is demonstrated that the defect falls within the terms of this Guarantee and you follow the claims procedure as outlined below;

3. CLAIMS PROCEDURE

3.1 In the first instance please contact the retailer who supplied the product to you. In our experience many initial problems with machines that are thought to be due to faulty parts are actually solved by correct setting up or adjustment of the machines. A good dealer should be able to resolve the majority of these issues much more quickly than processing a claim under the guarantee.

- **3.2** If the dealer who supplied the product to you has been unable to satisfy your query, any claim made under this Guarantee should be made directly to Record Power at the address set out at the foot of this Guarantee. The claim itself should be made in a letter setting out the date and place of purchase, and giving a brief explanation of the problem which has led to the claim. This letter should then be sent with proof of the purchase date (preferably a receipt) to Record Power. If you include a phone number or email address this will help to speed up your claim.
- **3.3 PLEASE NOTE** that it is essential that the letter of claim reaches the address below on the last day of this Guarantee at the latest. Late claims will not be considered.
- **3.4** We will contact you once we have received your initial written claim. If it is necessary to return the item, in most cases but subject always to clause 2.2.5, we will arrange for collection or will provide freepost information to enable return depending on the weight and size of the product concerned. If the product is to be returned to us, we will agree with you in advance a Returns Number, to speed tracking of the claim and ensure the most appropriate method of return to you is used.

4. NOTICE

This Guarantee applies to all goods purchased from an authorised retailer of Record Power within the United Kingdom of Great Britain and Northern Ireland. This Guarantee does not confer any rights other than those expressly set out above and does not cover any claims for consequential loss or damage. This Guarantee is offered as an extra benefit and does not affect your statutory rights as a consumer. Additional written copies of this Guarantee can be obtained by writing to the address below. Please include a stamped and self addressed envelope for each copy of the Guarantee requested.

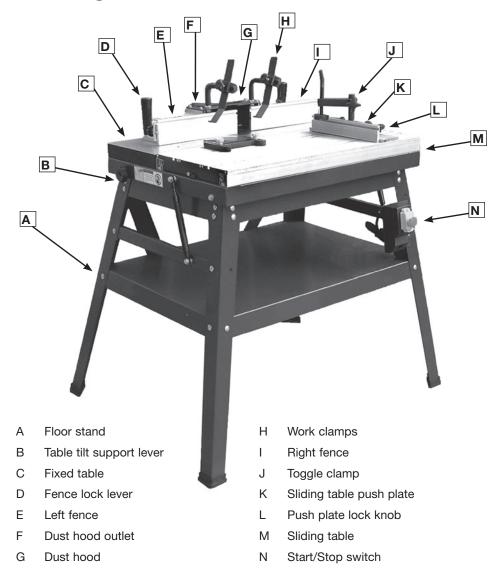
Record Power Ltd. Unit B, Adelphi Way Ireland Industrial Estate Staveley, Chesterfield S43 3LS

Unpacking and Cleaning the Router Table

- 1. The router table is shipped in one carton.
- 2. Note: Obtain assistance when lifting the carton, the gross weight is 56kgs. Lift with your legs not your back. Injuries may occur though incorrect lifting.
- 3. Set the carton down in a clean unclutered area leaving sufficient space to set out the various components, before attempting to carefully unpack the machine.
- 4. Ensure all loose items are present as listed in the manual. If any items are missing please contact your local dealer immediately.
- 5. Remove the rust prevention oil thoroughly. Use a soft cloth moistened with Kerosene or white spirit, making sure the area is well ventilated and there are no naked flames or sources of ignition. The bulk of the rust preventative may best be removed by using a scraper or a material that will not mark the table before finishing off with the moistened cloth.

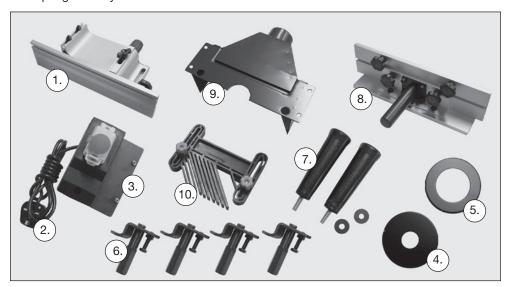
Warning: Do not use gasoline or lacquer thinner to remove the rust prevention oil as this will damage the painted surface.

2. Getting To Know Your Router Table



3. Contents of Loose Parts Bag

After the machine has been unpacked, check that all loose parts shown below are present. Again, if any parts are missing or incorrect please contact your local dealer before attempting to use your router table.



- 1. Left fence assembly 1 set
- 2. Power cord (UK only)
- 3. Switch box
- 4. 29mm table insert
- 5. 60mm table insert
- 6. 4 x Router clamp
- 7. 2 x Fence handle
- 8. 1 x Pusher
- 9. 1 x Dust hood
- 10. Plastic anti kick guard

Tools needed for assembly: Wrenches, cross-head screwdriver and flat blade screwdriver.

4. Machine Specification

RPMS-R SPECIFICATION Suitable Routers: %4HP - 5HP Main Table Surface: 780mm x 250mm Sliding Table Surface: 784mm x 310mm Tilt Table: 45° Table Inserts: Outside 100mm ø Inside 60mm, 29mm ø Table Height: 850mm Fence Sizes (Both Sides): 270mm x 50mm Dust Hood Output: 100mm Net Weight: 54kg Gross Weight: 56kg Packaging Dimensions: 851mm x 610mm x 191mm

5. Router Table Assembly

- 1 Assemble the front upper brace and two upper side braces to the table legs using M8 x 12mm coach bolts, nuts and washers, as shown below. Note position of mounting holes for switch box on front leg. Do not fully tighten the nuts until all the assembly has been carried out.
- 2 Assemble the two reinforcing struts to the rear stand legs.
- 3 Assemble the lower table shelf to the four legs and reinforcing struts.
- 4 With the table sat squarely on level ground, tighten all the screws and nuts.
- 5 Assemble the four pads to the underside of the table legs.
- 6 Locate and secure the switch box assemble to the front right hand leg.



- 1. Stand Legs
- 2. Front upper brace
- 3. Upper side brace
- 4. Table Tilk Strunts
- 5. Reinforcing struts

5. Router Table Assembly - cont.

Attaching the table on to the stand

- 1. As the table is heavy, it is suggested that two people lift the table during installation.
- 2. Align the two holes at the bottom of the table (away from the spindle hole) with the two holes drilled in left and right table supports
- 3. Secure the table using two M8 x 25mm screws/nuts/washers. Do not over tighten allowing free movement of the table.
- 4. Locate and secure in position, using fixings supplied, the left and right table support as shown **Fig.1.1**.
- 5. Affix the two rubber mounts on to the side of the stand in illustration **Fig.1.2**. these support the table
- 6. Attach the table tilt support dampers to the table and stand. Note illustration Fig.1.3. shows support lever bottom collar set against frame such that outside face of collar is in the vertical plane. Fix in this position using M8 x 30mm screws through the slot in the support and secure from the inside of the frame. Adjust screw to allow free movement of strut before tightening collar.

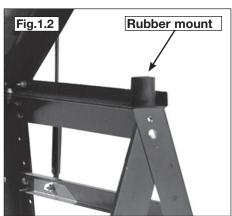
Installing the dust hood assembly

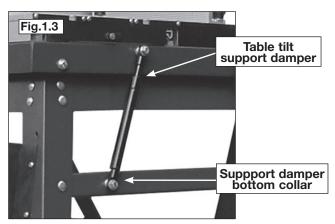
- 1. The dust hood is mounted on the fence body.
- 2. Fix the dust collection hood in place by tightening the four M6 nuts as shown in the illustration **Fig.1.4**.
- 3. When the dust hood assembly is mounted to the table, use a flexible hose to connect to a dust extractor.
- 4. The outlet of the dust hood is 58mm.
- 5. Insert the post of the work clamps into the holes on the dust hood as shown.
- 6. Use an open ended wrench to fix in position with lock nut.

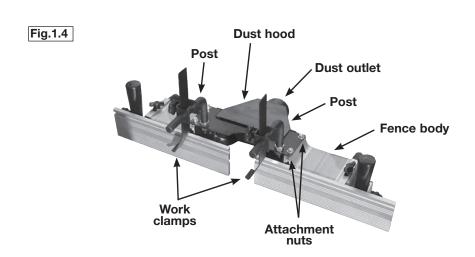
Installing the fence

- 1. After completing assembly of the dust unit as shown **Fig.1.4**. the unit should then be fitted to the table.
- 2. The fence/hood assembly is locked in position on the table by means of the two lock handles as shown **Fig.1.5**.











5. Router Table Assembly - cont.

Attaching Router to the table

- 1. It is advisable to have another person help you when installing the router on the table
- 2. Tilt the table to 45° to install the portable router. Lock the table in the tilted position by moving the table tilt lock levers into the lock position.
- 3. Insert the head of the four screws of the clamping plate sets into the T-slots on the underside of the table as shown.
- 4. The router spindle is then fed through the hole in the table.
- 5. Adjust the flange thickness adjustment screw so that the clamping plates fit on the flange of the portable router.
- 6. Tighten the clamping plates on to the router by using an open ended wrench to turn the hexagonal shaft of the clamp.

Router clamping plate set - Fig.2.2 Flange thickness adjustment screw and hexagonal shaft.





5. Router Table Assembly - cont.

WARNING:

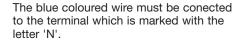
This appliance must be earthed - failure to do so may lead to personal injury. Always ensure your router is correctly and fully earthed.

Electrical Information

The Router Table is supplied fitted with a BS1363 three pin plug. The wires in the mains lead are coloured in accordance with the following codes-

Green and yellow - Earth Blue - Neutral Brown - Live

If a new plug is to be fitted



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

Machines for use in the U.K. are fitted with a BS1363 13amp. 3 pin plug. Ensure you use the correct plug for use in other countries.

Replacing the power supply cable

A qualified electrician should carry out replacement of the power supply cable.

R.C.D. (Residual Current Device)

For you additional safety, we always recommend the use of an R.C.D. (Residual current circuit breaker or Earth leakage circuit breaker)

Power Switch Mounting

Rear view of switch box, **Fig.3.1** showing inlet for attachment of the power lead from the router unit.

Start/Stop Switch on Router Unit

To enable the No Volt protection system to function correctly, ensure that the Start/Stop switch on the router is locked in the Start position before mounting to the table. Should any difficulties arise in attempting this please contact your router supplier for advice.



6. Using the Router Table

WARNING:

Before attempting to make adjustments to any settings make sure that the power supply to the machine is switched off and the supply cord is removed from the outlet. Serious injury may occur if the router is started while making these adjustments.

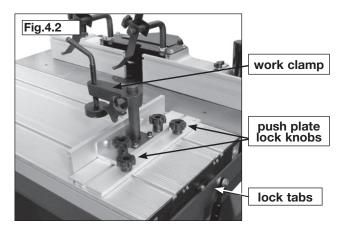
Fence Operation

- 1. The fence assembly is locked on the table by the two lock handles.
- 2. To move the right hand fence half, forward and backward to adjust the depth of cut, turn the depth adjustment knob.
- 3. Loosen the wing nut before turning the adjustment knob. Tighten it securely after adustment.
- 4. To adjust the opening between the right and left fence halves first release the opening adjustment knob. Move the fence halves to the correct position according to the size of the router bit.

Sliding Table

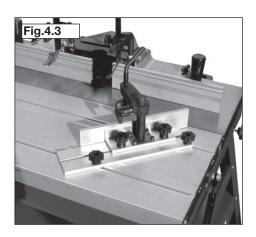
- 1. Use the work clamp to fix the workpiece to the sliding table.
- 2. The push plate position can be set by loosening the push plate lock knobs, adjusting the position, then retightening the knobs
- 3. The sliding table can be made immobile by setting the lock tabs on the ends of the sliding table.

Fig.4.1 depth adjustment knobs depth adjustment knobs



Tilting the Push Plate to 45°

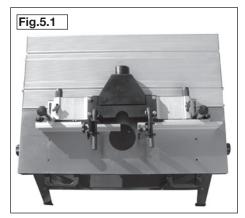
- 1. Loosen and take out the inside lock knob on the push plate.
- 2. Tilt the push plate until the predrilled hole on the push plate is aligned with the middle T-slot on the sliding table.
- 3. Replace the inside lock knob to lock the push plate at a 45° angle. The push plate is now angled for bevelled routing.



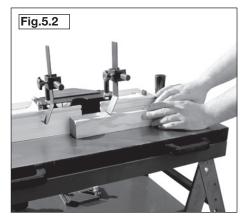
6. Using the Router Table - cont.

Rear Table Routing

- 1. When working on small workpieces, the sliding table may be unnecessary. The fence assembly can be turned around and re-fixed to two holes closer to the sliding table.
- 2. Loosen and remove the two fence lock handles.
- 3. Turn the fence assembly around and align the slots on the fence body with the holes closer to the sliding table.
- 4. Insert and tighten the fence lock handles securely. The rear side of the router table can now be used for small workpieces, eliminating the need to bend over the sliding table.



Configuration for rear side routing

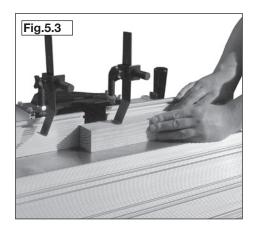


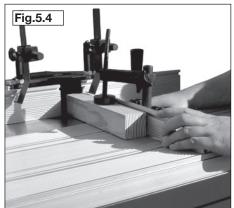
Rear side routing example

Routing Operations

- 1. Shown are examples of correct routing using the router table.
- 2. Always feed the workpiece against the rotation of the router cutting bit.
- 3. Use the push plate whenever possible.

These examples illustrate two different kinds of workpiece. Note the correct use of push plate, toggle clamp and work clamps.



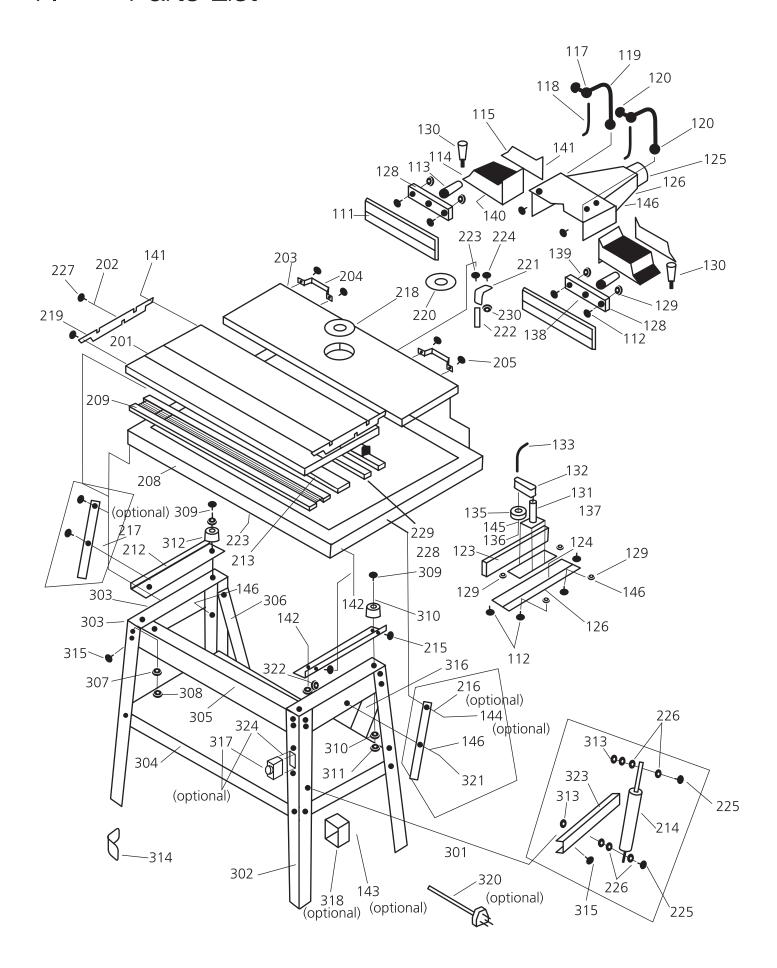




Whenever possible always use a push stick when feeding the workpiece manually towards the cutter and ensure that hands are kept clear of the cutter.

When using the sliding table the workpiece should always be clamped with the work clamp and hands should be behind the push plate.

7. Parts List



7. Parts List - cont.

Part No.	Description	Quantity
111	Fence half	2
112	Sliding screw m6 x 20	6
113	Micrometric adjustment rod	2
114	Fence body	2
115	Fence body guard	2
116	Micrometric adjustment rod	2
117	Hold-down holder	2
118	Hold-down	2
119	L bar	2
120	Knob m8 x 16	2
121	Wing screw m10 x 20	2
122	Hexagonal socket headscrew m10 x 45	2
123	Fence plate	1
124	Clamp holder	1
125	Dust hood	1
126	Short fence	1
127	Nut m12	4
128	Clamp plate	2
129	Knob nut m6	6
130	Heavy handle	2
131	Clamp bracket	1
132	Bracket	1
133		1
134	Clamp rod Knob m6 x 20	1
		1
135	Clamp plate	
136	Round cross head screw m5 x 10	1
137	Hexagonal socket head screw m6 x 12	4
138	Hexagonal screw m10 x 16	2
139	Anti-loose nut m6	4
140	Hexagonal screw m6 x 12	6
141	Round cross head screw m5 x 12	26
142	Hexagonal screw m8 x 25	4
143	Nut m5	8
144	Hexagonal screw m6 x 20	2
145	Washer 5	1
146	Washer 6	50
147	Hexagonal screw m6 x 25	10
004	Ol'alla a babba	
201	Sliding table	1
202	Upper plate	2
203	Fixed table	1
204	Arched handle	2
205	Hexagonal socket head screw m6 x 20	4
206	Hexagonal screw m8 x 20	4
207	Knob screw m8 x 30	2
208	Frame	1
209	Slide way	2
210	Middle bracket	1

Part No.	Description	Quantity
Part No.	Slide rail	2
212	Table right support	1
212	Fix piece	2
213	Damper	2
214	Table left support	1
216		2
217	45° positioning piece (optional) Positioning piece (optional)	2
217		1
219	60mm insert plate Guard	2
220	29mm insert plate	1
221	Motor clamp piece	4
221		4
223	Hexagonal clamp shaft Sliding screw m6 x 50	4
	· ·	4
224	Hexagonal acres m8 x 25	4
225	Hexagonal screw m8 x 30	
226	Thick washer 8	16
227	Hexagonal screw m6 x 12 Round cross head screw m5 x 10	2
228		8
229	Hexagonal screw m6 x 12	16
230	Nut m6	32
301	Floor stand	3
302	Front stand (fitted with switch)	1
303	Upper angle plate	2
304	Middle plate	1
305	Front upper angle plate	1
		1
306	Right bracket Washer 8	28
307 308	Nut m8	30
309	Hexagonal socket head screw m8 x 40	2
310	Washer 8	4
311	Nut m8	2
312	Pad	2
313	Anti-loose nut m8	6
314	Rubber leg	4
315	Screw m8 x 12	28
316	Left bracket	1
317	Switch (optional)	1
317	Switch box (optional)	1
320	Power wire (optional)	1
321	Round cross head screw m6 x 40	2
322	Nut m6	4
323	Damper support	2
324	Round cross head screw m5 x 40	2
JL-i	The state flow flow flow A 40	<u>_</u>

EU Declaration of Conformity

Cert No: EU/RPMS-R / 2

RECORD POWER LIMITED,

Unit B, Ireland Industrial Est. Adelphi Way, Staveley, Chesterfield S43 3LS declares that the machinery described:-

Type: Router Table

2. Model No: RPMS-R

3. Serial No

Conforms with the following directives:-

LOW VOLTAGE DIRECTIVE and its subsequent amendment

73/23/EEC 93/68/EEC + 2006/95EC

ELECTROMAGNETIC
COMPATIBILITY DIRECTIVE
and its subsequent amendments

and conforms to the machinery example for which the EC Type-Examination Certificate No. **EN61058-1**; **R09859665**; has been issued by **TUV Rheinland Product Safety GmbH**, at: Am Grauen Stein, D-51105. Cologne, Germany

and complies with the relevant essential health and safety requirements.

Andrew Greensted Managing Director CE

