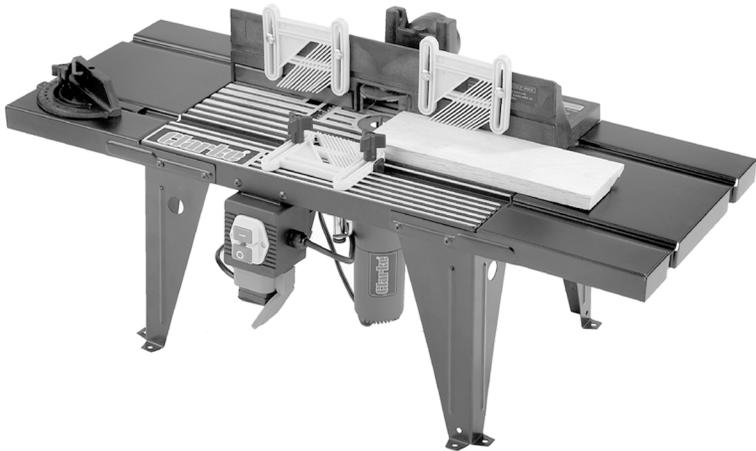


CLAMPBOE®

WOODWORKER



ROUTER TABLE

MODEL NO: CRT1

PART NO: 6462115

OPERATION & MAINTENANCE INSTRUCTIONS



ORIGINAL INSTRUCTIONS

GC1116

INTRODUCTION

Thank you for purchasing this CLARKE Router Table designed for DIY use only and is ideal for use with a CLARKE CR1C router or other routers up to 155mm dia base plate

Before attempting to use this product, please read this manual thoroughly and follow the instructions carefully. In doing so you will ensure the safety of yourself and that of others around you, and you can look forward to your purchase giving you long and satisfactory service.

SPECIFICATION

Net Weight	7kg
Dimensions L x W x H	865 x 375 x 390mm

ENVIRONMENTAL RECYCLING POLICY

Through purchase of this product, the customer is taking on the obligation to deal with the WEEE in accordance with the WEEE regulations in relation to the treatment, recycling & recovery and environmentally sound disposal of the WEEE.

In effect, this means that this product must not be disposed of with general household waste. It must be disposed of according to the laws governing Waste Electrical and Electronic Equipment (WEEE) at a recognised disposal facility.

GUARANTEE

This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt which will be required as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

GENERAL SAFETY RULES



WARNING: WHEN USING ELECTRIC POWER TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK AND PERSONAL INJURY INCLUDING THE FOLLOWING. READ ALL THESE INSTRUCTIONS BEFORE ATTEMPTING TO OPERATE THIS PRODUCT AND SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

GENERAL SAFETY IN THE WORKPLACE

1. Always ensure that air can circulate around the machine and that the air vents are unobstructed.
2. Always keep work area clean & tidy. Cluttered work areas and benches invite accidents.
3. Never over-reach. Keep proper footing and balance at all times.
4. Never store equipment in a wet/damp environment or expose to rain.
5. Keep other persons away. Do not let persons, especially children, not involved in the work, touch the machine or extension cable and keep them away from the work area.
6. Never operate a machine when under the influence of alcohol, drugs or medication.
7. Always ensure the workplace is well lit. Ensure that lighting is placed so that you will not be working in your own shadow.
8. Do not use tools in the presence of flammable liquids or gasses.
9. Stay alert, watch what you are doing, use common sense and do not operate the machine when you are tired.

CARE OF POWER TOOLS

1. Read this manual carefully. Learn the power tool's applications and limitations, as well as the specific potential hazards peculiar to it.
2. Always keep guards in place and in working order. A guard or other part that is damaged should be properly repaired or replaced by an authorised service centre, unless otherwise indicated in this instruction manual.
3. Don't force the machine and use the correct tool for the job. It will do the job better and safer, at the rate for which it was intended.
4. Always disconnect the machine from the power supply before carrying out any servicing or changing of accessories.

5. Before further 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 or other condition that may affect its operation.
6. Have defective switches repaired by an authorised service centre. Do not use a power tool if the switch does not turn it on and off.
7. Always check for any damage or any condition that could affect the operation of the machine. Damaged parts should be properly repaired.
8. Have your power tool repaired by a qualified person. This power tool complies with the relevant safety rules. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.
9. Never use this product for any other purpose than that described in this booklet.
10. Never abuse the power cable by yanking the cable to disconnect it from the socket. Keep the cable away from heat, oil or sharp edges.
11. Guard against electric shock. Avoid body contact with earthed or grounded surfaces.
12. If the machine should be used outdoors, use only extension cables intended for outdoor use and marked accordingly.
13. Avoid accidental starting by making sure the power switch is off before plugging in the power cable.

ELECTRICAL CONNECTIONS



WARNING: READ THESE ELECTRICAL SAFETY INSTRUCTIONS THOROUGHLY BEFORE CONNECTING THE PRODUCT TO THE MAINS SUPPLY.

Before switching the product on, make sure that the voltage of your electricity supply is the same as that indicated on the rating plate. This product is designed to operate on 230VAC 50Hz. Connecting it to any other power source may cause damage.

This product may be fitted with a non-rewireable plug. If it is necessary to change the fuse in the plug, the fuse cover must be refitted. If the fuse cover becomes lost or damaged, the plug must not be used until a suitable replacement is obtained.

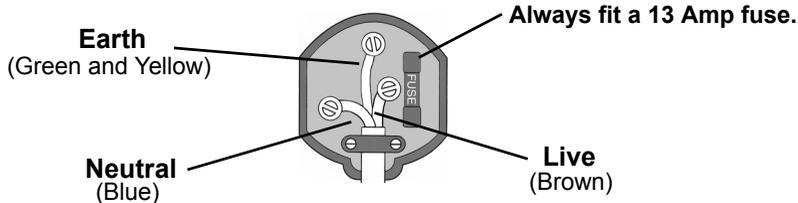
If the plug has to be changed because it is not suitable for your socket, or due to damage, it should be cut off and a replacement fitted, following the wiring instructions shown below. The old plug must be disposed of safely, as insertion into a mains socket could cause an electrical hazard.



**WARNING! The wires in the power cable of this product are coloured in accordance with the following code:
Blue = Neutral Brown = Live Yellow and Green = Earth**

- The wire which is coloured **Blue** must be connected to the terminal which is marked **N** or coloured **Black**.
- The wire which is coloured **Brown** must be connected to the terminal which is marked **L** or coloured **Red**.
- The wire which is coloured **Yellow and Green** must be connected to the terminal which is marked **E** () or coloured **Green**.

Plug must be BS1363/A approved.

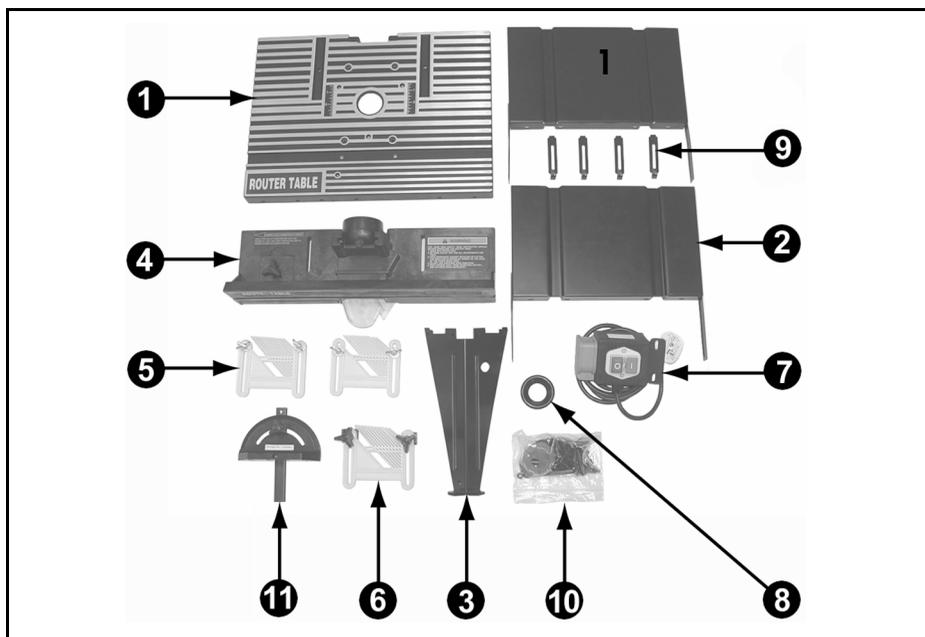


Ensure that the outer sheath of the cable is firmly held by the clamp

WE STRONGLY RECOMMEND THAT THIS MACHINE IS CONNECTED TO THE MAINS SUPPLY VIA A RESIDUAL CURRENT DEVICE (RCD)

If in any doubt, consult a qualified electrician. DO NOT attempt any repairs yourself.

PRODUCT INVENTORY



NO	DESCRIPTION
1	Table top
2	Table extension
3	Table leg
4	Fence profile
5	Fence pressure pad
6	Table pressure pad inc fittings

NO	DESCRIPTION
7	Switch assembly
8	Vacuum hose adaptor
9	Clamp
10	Fixings kit
11	Mitre gauge

Before assembling the table, ensure all components are present, any shortages etc should be reported to the Clarke dealer where the table was purchased.

ASSEMBLY

1. Lay the main table top (item 1) upside down on a flat surface as in Fig. 1.

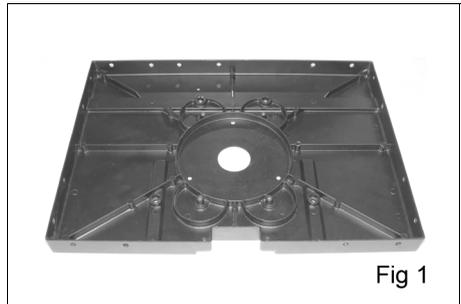


Fig 1

2. Position one table top extension (item 02) as in Fig. 2.

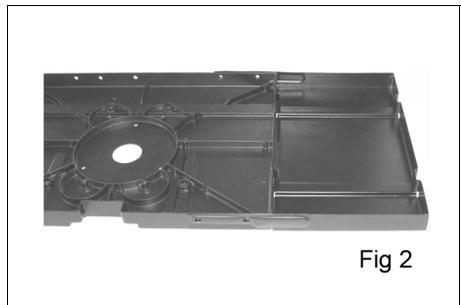


Fig 2

3. Place a table leg (Item 03) as shown in Fig. 3, loosely fix in position, using four screws and lock nuts; do not fully tighten yet.

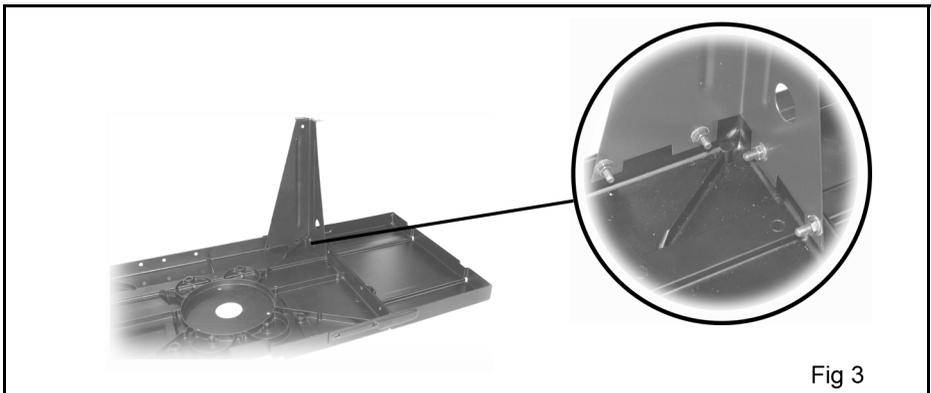


Fig 3

NOTE: The table leg fits inside the table profile, with fixing screws inserted from the outside with locknuts on the inside, see inset.

4. Repeat item 3 above for opposite table leg.

5. Once both table legs are loosely fitted, ensure the table and table extension are lying perfectly flat, and gently tighten all screws, working from the centre to the outside. Take care when tightening not to move the extension table. **DO NOT** overtighten.
6. Repeat steps 1 to 5 for the other table extension and table legs. Once all four legs are securely tightened, turn the assembly over, checking that the table assy does not rock.
7. If any rocking is detected, this must be rectified before continuing, by loosening the screws on the offending leg/legs and adjusting accordingly. Always take care not to disturb the level of the table extensions to the main table.
8. Insert two 50mm long coach bolts into holes 'B' from the top of the table. Fig. 4.

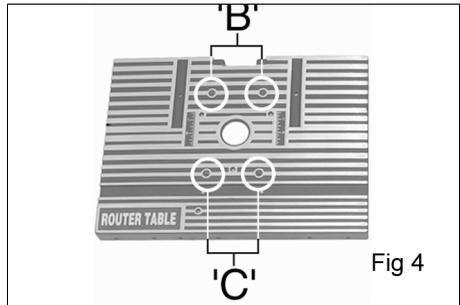


Fig 4

9. Attach the fence assy (Item 4), using the hex head bolt, washer and knob supplied. Insert the bolts from the underside of the table through the holes marked 'A' (Fig. 5). Place the fence on the bolt and secure in position with washer and locking knob.

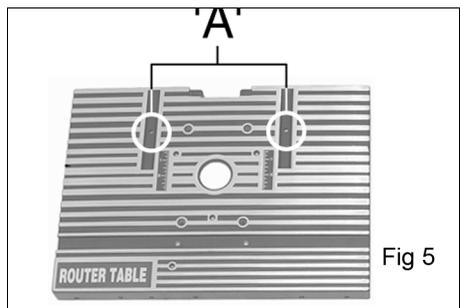


Fig 5

10. **DO NOT** overtighten.

NOTE: Use the graduated marks to line up the fence accurately.

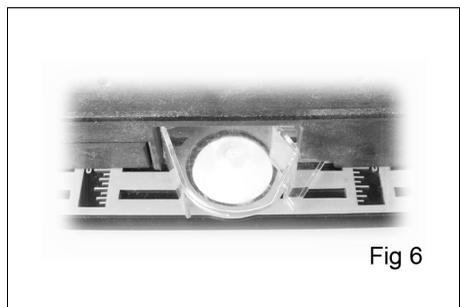


Fig 6

11. Fit the fence feather boards as shown in Fig. 7 using the fixings supplied (hex head bolt x 4, washer x 4 and knob x 4). Pay attention to the feed direction.

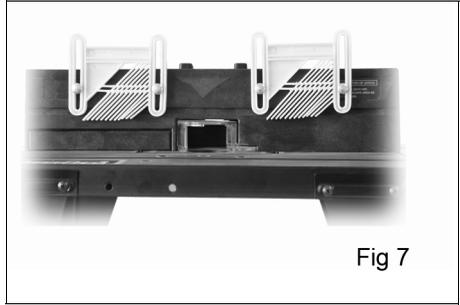


Fig 7

12. Fit the table feather board as shown in Fig. 7 using the fixings supplied; again pay attention to the feed direction.

13. Insert the two hex head bolts from the underside of the table pictured in Fig. 8a, place spacers on the bolts ensuring the correct orientation, place the feather board on top, place washer on each bolt and secure with knobs. Fig. 8b.

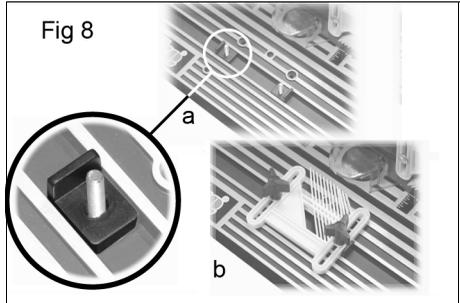


Fig 8

- DO NOT overtighten.

14. Fit the switch assembly as follows.

- Unwrap the power cable.
- Fit in position, see Fig. 9 with two phillips head screws inserted from the front of the table secured with two washers and locknuts, (supplied).
- DO NOT overtighten



Fig 9

MOUNTING THE ROUTER

1. Loosen the fence securing knobs and slide the fence forward as far as possible. This prevents the router clamping bolts (50mm coachbolts) from falling through the table when it is turned over.
2. Carefully turn the table assy over and support it by laying it on suitable sized blocks of wood or similar. see Fig. 10.

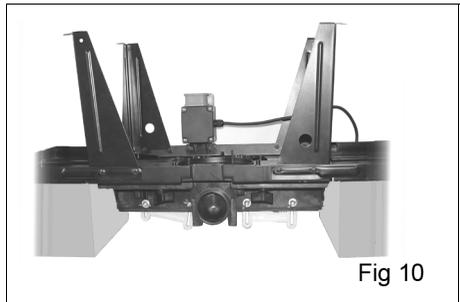
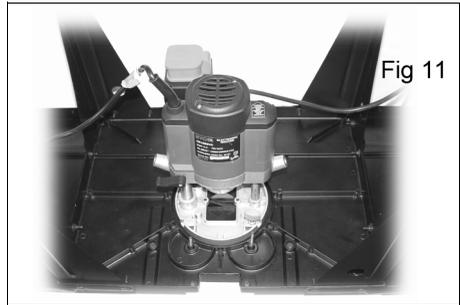
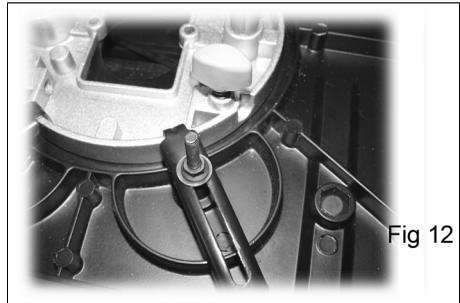


Fig 10

3. Set the router in position on the underside of the table as central as possible, see Fig. 11. Insert two coach bolts into holes 'C' fig. 4 from the table top, which is now underneath.



4. Loosely secure the router in position with four clamps (Item 9). See Fig. 12.



5. It may be necessary to rotate the router in order to locate all four clamps correctly. If the router is fitted with a speed control, try if possible to position the speed control where it can easily be accessed from the front of the table. Once the router is in the desired position, tighten the four clamps sufficiently to prevent the router moving whilst in operation.

6. Plug the 13amp router plug into the bottom of the switch assembly. Loosely tidy up the router power cable and secure safely with cable tie or similar, see Fig. 13.



For your personal safety and that of others around you, the router table should be securely anchored when in use. This can be achieved by bolting or screwing it to a work bench through the holes in the router table feet. Alternatively the table can be bolted onto a suitable board and clamped to the workbench etc with 'G' clamps or similar.

Your router table is now fully assembled and ready for use.

NOTE: Some routers are too long to fit underneath the router table, see page 14 for suggestions to overcome this problem.

OPERATION

When making adjustments etc, always ensure the router is isolated from the electrical supply by switching off and removing the plug from the socket.

NOTE: Always refer to the specific router operating instruction manual when making height and speed adjustments etc.

INSTALLING THE ROUTER CUTTER (BIT)

To install bits whilst the router is in situ will require the router to be lowered fully. Select the desired bit and install. Fit the table insert closest to the size of the bit, ensuring the bit does not touch the insert.

HEIGHT ADJUSTMENT

Raise the router until the bit protrudes through the table the required amount. When making height adjustments, ensure the cutter does not touch the transparent retractable guard. Operate the guard manually and check that the guard moves freely.

Make test cuts on scrap pieces of wood to set the router accurately.

FENCE ADJUSTMENT

Loosen the two fence clamping knobs and position the fence as desired, use the graduation marks to set the fence parallel, see Fig. 6.

Make test cuts on scrap pieces of wood to set the router accurately.

FEATHER BOARDS

Set the fence feather boards to hold the piece of wood flat on the table and against the fence whilst machining.

To do this, place the piece of wood against the fence and below the relevant pad to be adjusted. Loosen the two wingnuts and lower the pad until it rests on the wood, push the pad down a little further to apply sufficient pressure to hold the wood flat on the table.

Repeat the above procedure for the other fence board.

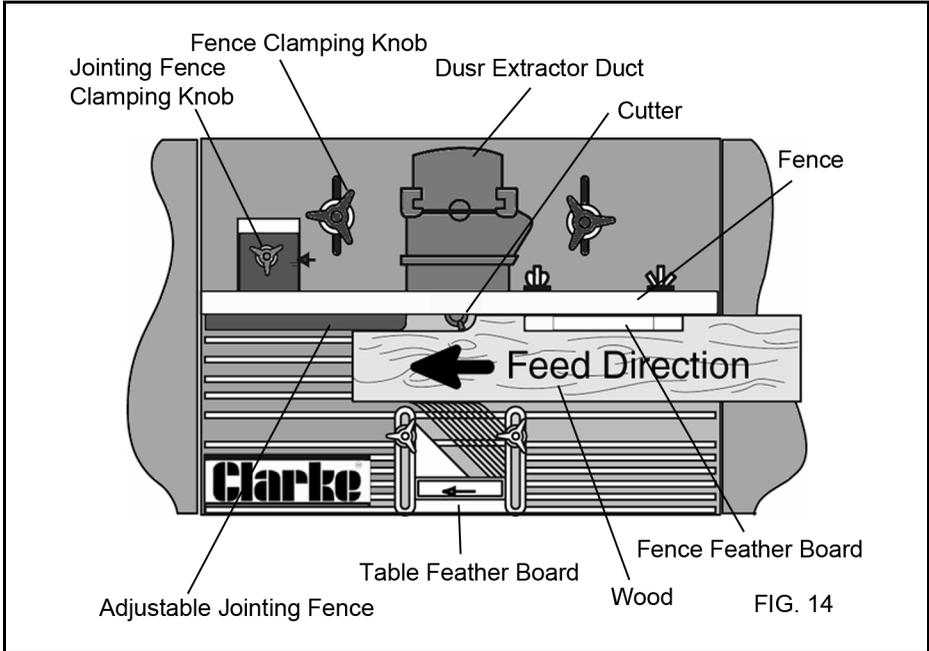
Adjust the table feather board in the same manner to hold the wood firmly against the fence.

JOINTING FENCE

Set the jointing fence to support the wood when cutting the full thickness. Adjust the cutting depth etc as previously described. Proceed to machine the piece of wood until the leading edge passes over the jointing fence by approx 25mm (1"). Switch off and isolate from the electrical supply. Hold the wood firmly against the fence, loosen the jointing fence clamping knob and

slide the jointing fence out towards the wood until it touches. Tighten the clamping Knob.

Back the workpiece away from the cutter before switching on again and continuing machining.



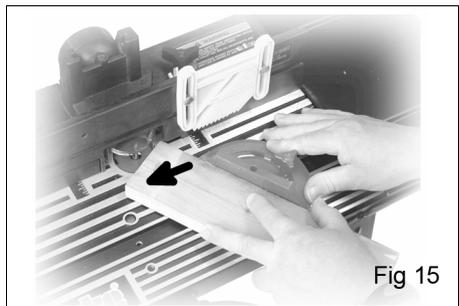
MITRE GAUGE

To use the mitre gauge, the table feather board must be removed first. It may be necessary to loosen the front clamps holding the router in order to remove the bolts, not forgetting to retighten them before using the router again.

To use the gauge, simply slot it into the front slot on the table, adjust to the required angle, the gauge is now ready for use.

Switch the router ON, firmly hold the workpiece in position against the mitre gauge fence, see Fig. 15 and slowly move it across the table.

As with all power tools, especially those with cutters/blades, keep hands



and fingers safely away from cutting blades by using push sticks etc when working on small workpieces.

DUST COLLECTION

The router table is provided with a dust extraction facility, where a vacuum extractor may be connected to the outlet at the rear of the table, using the adapter supplied.

The connecting hose requires an inside diameter of 34mm to fit the adapter supplied. The hose, ideally, should be a reasonably tight fit on the adapter, which is then just pushed into the hole in the back of the table.

Note however, that this does not preclude the user from wearing a face mask to prevent the inhalation of dust particles.

It is a requirement that a dust extraction facility be provided on all power tools, however, due to the nature of the tool, some of the dust produced will be forced into the surrounding atmosphere and will not be collected.

HEIGHT ADJUSTMENT

In the case of routers too long to fit underneath the router table it is possible to overcome this problem by carrying out the following.

NOTE: The following dimensions are the minimum sizes recommended, which can be increased if desired.

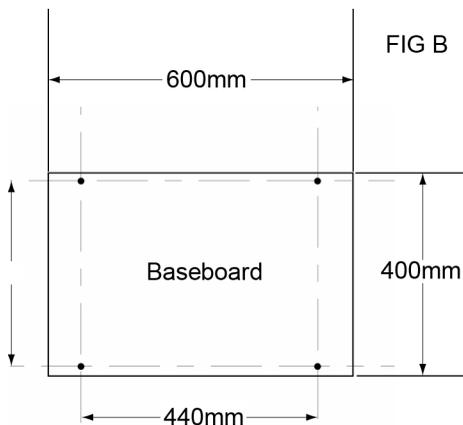
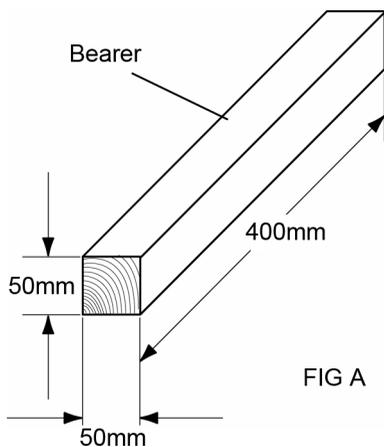
Materials required:

1 x plywood baseboard 13mm ($\frac{1}{2}$ ") x 400mm x 600mm.

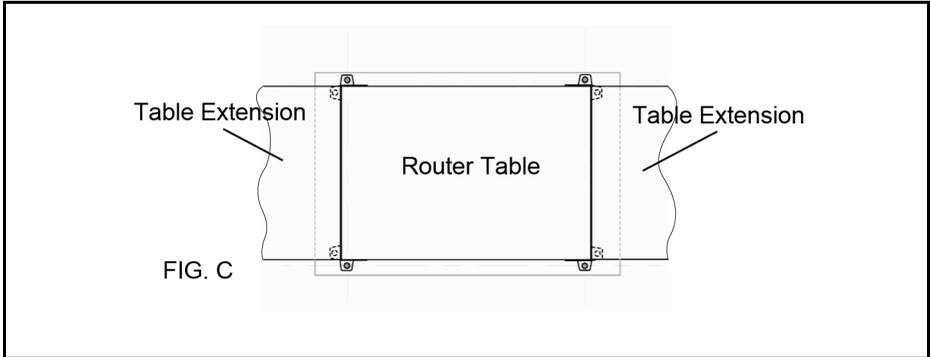
2 x timber bearers 50mm x 50mm x 400mm.

2 x 5mm coachbolts x 75mm.

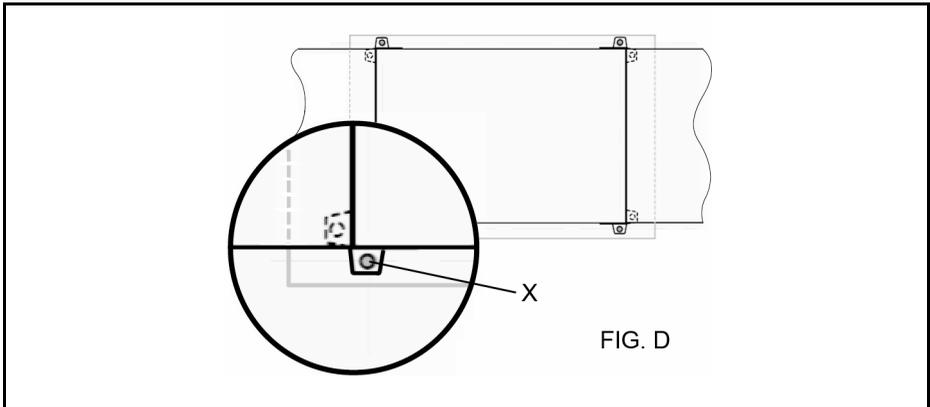
Lightly mark the hole centres in the baseboard as per the Fig. A, **DO NOT DRILL**.



Centralise the router table feet on the baseboard as indicated in Fig C.

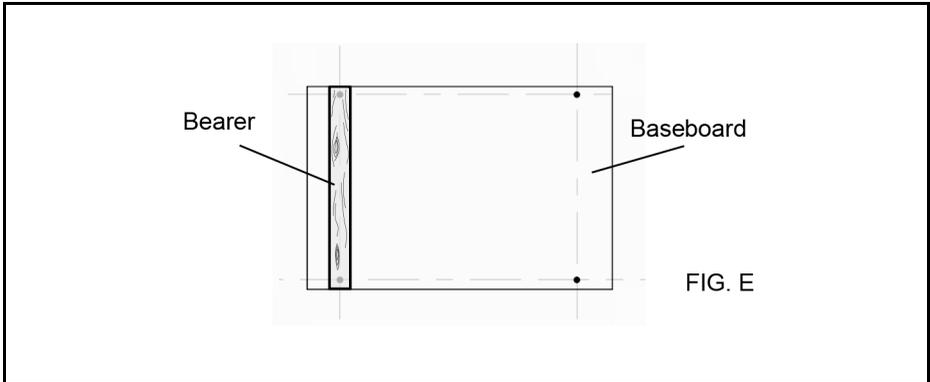


Once the table is carefully, centralised on the baseboard, ensuring the table doesn't move, mark the four holes (X) to be drilled, using the table feet as a template Fig D.



Remove the table and drill the four holes in the baseboard, using a 6mm drill.

Place one of the bearers onto the baseboard as centrally as possible over two of the holes in the baseboard. See Fig. E.



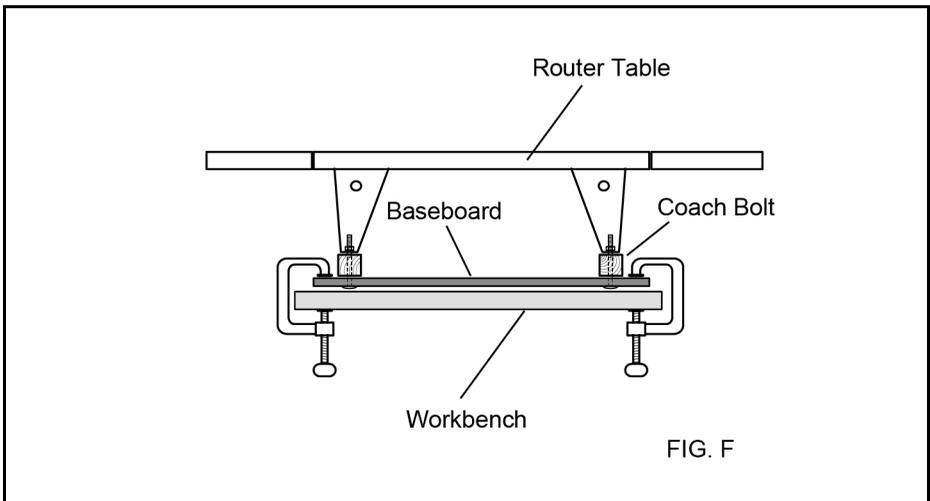
Using 'G' clamps or similar, secure the bearer to the base board, taking care to ensure it doesn't move. Turn the assembly over and drill the bearer through the holes in the baseboard using a 6mm drill.

IMPORTANT: Before removing the clamps, mark the bearer and baseboard position to ensure it is fitted in exactly the same position when assembling with the router table.

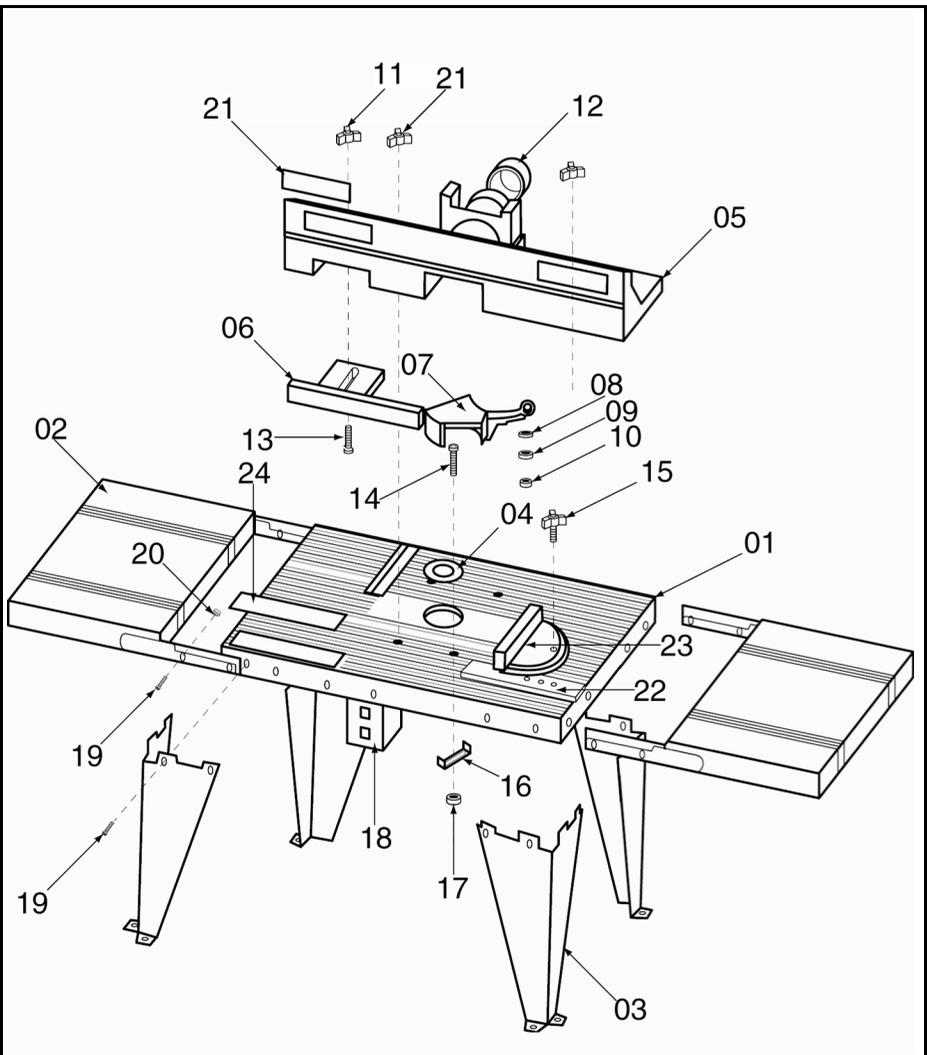
Repeat the procedure for other bearer.

Using coachbolts, fit the router table to the baseboard Fig F.

The complete assembly must be firmly secured to the workbench. We recommend the use of 'G' Clamps or similar.



PARTS DIAGRAM



PARTS LIST

ID	DESCRIPTION	ID	DESCRIPTION
1	Table Top	16	Clamp
2	Table Extension	17	Nut
3	Table Leg	18	Switch Box Assembly
4	Table Insert 38mm dia	19	Phillips head Machine Screw
5	Fence Profile	20	Hexagon Lock Nut
6	Adjustable Fence	21	Label
7	Cutter Guard	22	Mitre Bar
8	Spring	23	Mitre Gauge Head
9	Flat Washer	24	Label
10	Screw	25	Table Insert 13mm dia (not shown)
11	Knob	26	Table Insert 19mm dia (not shown)
12	Vacuum Hose Adaptor	27	Table Insert 25mm dia (not shown)
13	Hexagon Head Bolt	28	Table Insert 32mm dia (not shown)
14	Coach Bolt	29	Fence Feather board(not shown)
15	Knob	30	Table feather board(not shown)

When requesting spare parts, please quote the reference HT-CRT1 followed by the number listed.

DECLARATION OF CONFORMITY



Clarke[®]
INTERNATIONAL

Hernnall Street, Epping, Essex CM16 4LG

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following directive(s):

2006/42/EC Machinery Directive.

The following standards have been applied to the product(s):

EN 60745-1:2009+A11, EN 60745-2-17:2010, BS 1363:1995+A4:2012.

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned directive(s) has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2006

Product Description:	Router Table
Model number(s):	CRT1
Serial / batch Number:	N/A
Date of Issue:	07/11/2016

Signed:

J.A. Clarke
Director

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