T3
PLUNGE ROUTER

USA

trend®
routing technology

Dear Customer

Thank you for purchasing this Trend product, we hope you enjoy many years of creative and productive use.

Please remember to return your guarantee card within 28 days of purchase.

CONTENTS

TECHNICAL DATA

Voltage:	120V
Ampage	5A
Power input	3/4 HP
No load speed	8000-32,000 min-1
Router carriage	2 columns
Router carriage stroke	1 3/8"
Revolver depth stop	3-step, turret stop adjustment with graduation
Collet size	1/4" 6mm and 8mm
Bit diameter max.	1 3/16"
Weight	5.3lbs

The following symbols are used throughout this manual:

Denotes risk of personal injury, loss of life or damage to the tool in case of non-observance of the instructions in this manual.

Denotes risk of electric shock.

Caution

Carefully read through this entire instruction Manual and the entire router Operator's Manual before using your new T3 Router. Pay close attention to the Safety section and the Safety Symbols. If you use your T3 Router properly and only for what it is intended, you will enjoy years of safe, reliable service.

The operation of any router can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety glasses with side shields and a full face shield when needed. We recommend Wide Vision Safety Mask for use over eye glasses or standard safety glasses with side shields. Always wear eye protection.

For Technical Support
Email: technical@trend-usa.com

SAFETY

Observe the safety regulations in the instruction manual of the Power Tool to be used or connected to this attachment. Also observe any applicable additional safety rules. Read the following safety instructions before attempting to operate this product.

PLEASE KEEP THESE INSTRUCTIONS IN A SAFE PLACE.

General

- Disconnect power tool, when not in use. Before servicing and when changing accessories such as drill bits & router bits. Disconnect power tool and attachment from power supply. Ensure the machine is switched off before plugging tool in or connecting to a power supply.
- Always mount the power tool, accessory or attachment in conformity with the present instructions.
- Keep children and visitors away. Do not let children or visitors touch the tool, accessory or attachment. Keep children and visitors away from work area.
- Make the workshop child proof with padlock and master switch.
- Dress properly. Do not wear loose clothing or jewellery, they can be caught in moving parts. Rubber gloves and non-skid footwear is recommended when working outdoors. Wear protective hair covering to contain long hair.
- Consider working environment. Do not use the product in the rain or in a damp environment. Keep work area well lit. Do not use power tools near gasoline or flammable liquids. Keep workshop at a comfortable temperature so your hands are not cold.
- The accessory or attachment must be kept level and stable at all times.
- Keep work area clean. Cluttered workshops and benches can cause injuries
- Use the attachment with the power tools and accessories specified in this manual only. Do not force the tool or attachment to do a job for which it is not designed.
- Secure idle tools. When not in use, tools should be stored in a dry and high or locked up place, out of reach of children.
- For best control and safety use both hands on the power tool and attachment. Keep both hands away from cutting area. Always wait for the spindle and bit to stop rotating before making any adjustments.
- Always keep guards in place and in good working order.
- Remove any nails, staples and other metal parts from the workpiece.
- Maintain tools and bits with care. Keep bits sharp and clean for better and safer performance. Do not use damaged bits. Follow instructions for lubricating and changing accessories. Keep handles dry, clean and free from oil and grease.
- Maintain accessories. Do not use damaged accessories. Only use accessories recommended by the manufacturer.
- Check damaged parts. Before operation inspect the attachment, the power tool, the cable, extension cable and the plug carefully for signs of damage. Check for alignment of moving parts, binding, breakage, mounting and any other conditions that may effect its operation. Have any damage repaired by an Authorised Service Agent before using the tool or accessory.
- Do not use tool if switch does not turn it on or off. Have defective switches replaced by an Authorised Service Agent.
- Don't over reach. Keep proper footing and balance at all times.
- Don't abuse the cable. Never carry power tool or accessory by cord or pull it to disconnect from the socket. Keep cord from heat, oil and sharp edges. Always trail the power cord away from the work area.
- Connect dust extraction equipment. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.
- Check all fixing and fastening nuts, bolts and screws before use to ensure they are tight and secure. Periodically check when machining over long periods.
- Stay alert. Watch what you are doing. Use common sense. Do not operate tools when you are tired, under the influence of drugs, alcohol or any medication.
- Personal Protective Equipment (PPE). All PPE must meet current legislation.
- Do not leave tools running unattended. Do not leave tool until it comes to a complete stop.
- Always clamp workpiece being machined securely.

Routing Safety

- Disconnect router power tool. When not in use, before servicing and when changing accessories such as bits, disconnect router and attachment from power supply.
- Ensure router bit has stopped rotating before changing it. Never use the spindle lock as a brake.
- Remove adjusting keys and wrenches. Form the habit of checking to see that keys and adjusting wrenches are removed from the router tool, bit and attachment before turning router on. Make sure bit can rotate freely.
- Check all ball bearing and blade fixing screws before use to ensure they are tight and secure. Periodically check when machining over long periods.
- When using a template guide bush ensure it cannot come into contact with collet and nut.
- Noise. Take appropriate measures for the protection of hearing if the sound pressure of 85dB(A) is exceeded. Routing sound pressure may exceed 85dB(A), so ear protection must be worn.
- Eye protection. Wear safety goggles, spectacles or visors to protect the eyes from ejected waste particles.
- Respiratory protection. Wear a face or dust mask, or powered respirator. Dust masks/filters should be changed regularly.
- Do not switch router on with the bit touching the workpiece.
- The direction of routing must always be opposite to the bits direction of rotation.
- After work, release the router plunge and allow spindle to stop rotating before putting machine down.
- Check before cutting that there are no obstructions in the path of the router. When cutting through the full thickness of the workpiece, ensure there are no obstacles beneath workpiece, and that a sacrificial work surface is used.

Additional Safety Rules For Router Bits

- Cutting tools are sharp. Care should be taken when handling them.
- Always use router bits with a shank diameter corresponding to the size of the collet installed in your tool.
- Always run router bits at the spindle speed recommended and marked accordingly. Ensure bit has reached correct speed before entering workpiece. Recommended speeds can be found on the packaging, in cutter instructions or in the Trend Routing Catalogue.
- Always use router bits in a router. Router bits must not be used in a drill. Drill and boring bits must not be used in a router. Router bits must only be used for the material cutting application for which they are designed. Do not use on metal or masonry.
- Never use router bits with a diameter exceeding the maximum diameter indicated in the technical data of the powertool or attachment used.
- Do not drop router bits or knock them against hard objects. Do not use router bits that are damaged.
- Router bits should be kept clean. Resin build up should be removed at regular intervals with Resin Cleaner®. The use of a dry lubricant (Trendicote® PTFE) will act as a preventative. Do not use PTFE spray on plastic parts.
- Router bit shanks should be inserted into the collet to the mark line on the shank. This ensures that at least ¾ of the shank length is held in the collet. Do not over-tighten the collet nut as this will score the shank and create a weakness and fracture point.
- Observe the correct assembly instructions in the router instruction manual for fitting the collet and nut. Observe the router power tool manual instructions on fitting bits correctly.
- It is advisable to periodically check the collet and collet nut. A worn, distorted or damaged collet can cause vibration and damage the shank, and should be replaced. Worn collet nuts should be replaced.
- Do not take deep cuts in one pass; take several shallow or light passes to reduce the side load applied to the router bit. Too deep a cut in one pass can stall the router.
- Very small diameter router bits must be handled and used with care.
- Always return router bit to its packaging after use.
- Should you experience excessive vibration during use stop immediately. Have the eccentricity of the router, router bit and clamping system checked.
- All fastening screws and nuts should be tightened using the appropriate wrench or key in accordance with the manufacturers instructions.
- When using arbor type multi-groover sets ensure that the groover cutting tips/wings are staggered at 90º to each other to reduce the cutting impact.

Using Routers In A Fixed Position

- After work, release the router plunge to protect the router bit.
- Always use a push-stick or push-block for last 12" of the cut.
- Whenever possible use a work holding device or jig to secure component being machined. Fit a spelch block to the holding device or mitre fence to prevent break out on the timber.
- Ensure attachment is securely fitted to the workbench, with table surface at approximately hip height.
- Ensure a No-Volt Release Switch is fixed to or adjacent to the attachment and that it is used correctly.
- Check the feed direction of the workpiece is always opposite to the router bits direction of rotation. Ensure that, when using a router table, you stand to the front right hand side of the table (when viewed from the front) and feed from right to left. When using an overhead router, stand to the front left hand side (when viewed from the front) and feed left to right.
- Do not use awkward or uncomfortable hand positions.
- Do not reach underneath table or put your hands or fingers at any time in the cutting path while tool is connected to a power supply.

Useful Advice When Routing

- Trial cuts should be made on waste material before starting any project.
- Judge your feed rate by the sound of the motor. Feed the router at a constant feed rate. Too slow a feed rate will result in burning.
- Take many light passes rather than one deep cut to reduce the side load applied to both router and router bit.
- When using some attachments including a router table or dovetail jig, the use of a fine height adjuster is highly recommended.
- When using a template guide bush, ensure there is sufficient clearance between router bit tip and inside each of bush. Ensure router bit and guide bush are concentric.

Router Bit Maintenance

- Composite cutting tools (brazed tip) must be maintained by a competent person i.e. a person of training and experience, who has knowledge of the design requirements and understands the levels of safety to be achieved.
- The design of composite tools must not be changed in the process of maintenance.
- Replacement parts must meet Trend specification.
- Tolerances which ensure correct clamping by the collet shall be maintained.
- When re-grinding the tool, care must be taken not to cause weakening of the body or the connection between the cutting edge and the body.

Version 5.0 05/2004

ELECTRICAL SAFETY

Power Supply

The electric motor has been designed for one voltage only. Always check that the power supply corresponds to the voltage on the data plate.

The T3 is double insulated; therefore no ground wire is required.

Never connect the live (L) or neutral (N) wires to the ground pin marked E or ⏚

Using an Extension Cord

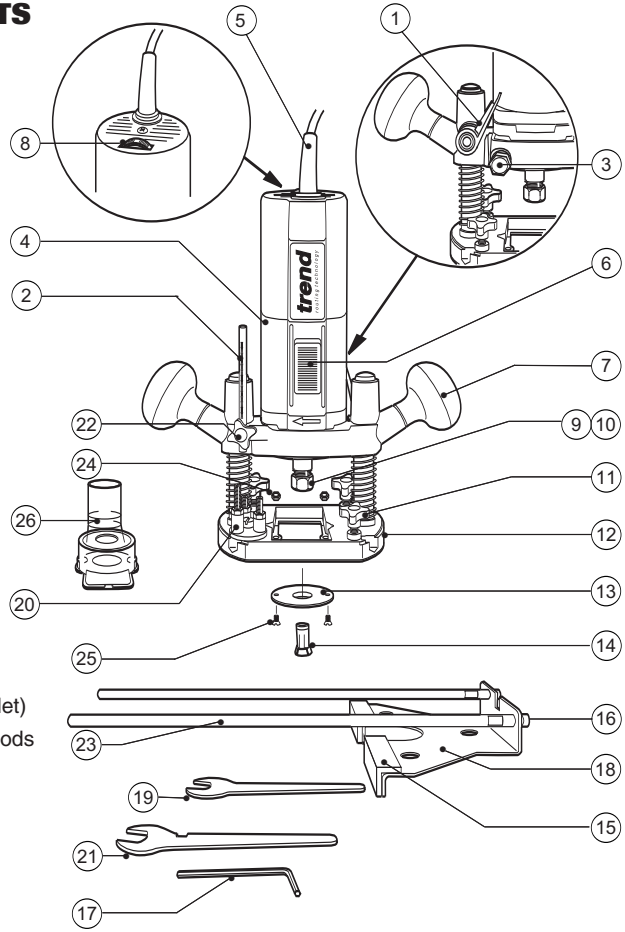
- If an extension cable is required, use an approved triple core extension cable suitable for the power input of this tool (see technical data).
- When using a cable reel, always unwind the cable completely.
- Also refer to the table below.

Ampere Rating	0.0 - 2.0	2.1 - 3.4	3.5 - 5.0	5.1 - 7.0	7.1 - 12.0	12.1 - 16.0
Cord Length						
25’	18	18	18	18	16	14
50’	18	18	18	16	14	12
75’	18	18	16	14	12	10
100’	18	16	14	12	10	
150’	16	14	12	12		
200’	16	14	12	10		
300’	14	12	10			
400’	12	10				
500’	12					

ITEMS ENCLOSED

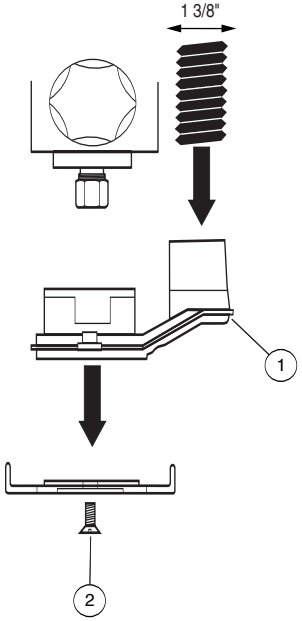
1 x Parallel side-fence
2 x Side-fence rods
2 x Grip knobs
1 x Collet 1/4" fitted to machine
1 x Collet 6mm
1 x Collet 8mm
1 x Guide bush 5/8" and screws
1 x Spanner (17mm A/F) for collet nut
1 x Spanner (15mm A/F) for spindle
1 x Hex key (4mm A/F) for side-fence
1 x Dust extractor spout
1 x Instructions
1 x Guarantee registration card

DESCRIPTION OF PARTS



1. Plunge locking lever
2. Depth stop
3. Motor to base locking nut
4. Motor housing
5. Power cable
6. On/Off switch
7. Fixed grip knob
8. Variable speed control dial
9. Collet nut
10. Collet spring (fitted behind collet)
11. Thumb knob to secure fence rods
12. Router base
13. Template guide bush dia. 5/8”
14. Collet
15. Removable fence cheek
16. Side-fence rod fixing screw
17. Hex key for side-fence rods
18. Side-fence body
19. Spanner (15mm A/F) for spindle
20. 3-way turret stop
21. Spanner (17mm A/F) for collet nut
22. Thumb knob for depth stop
23. Fence guide rods dia. 5/16” x 12” long
24. Template guide bush fixing nut
25. Template guide bush fixing screw
26. Dust extractor spout (ID. 1 3/8”)

ASSEMBLY & ADJUSTMENT



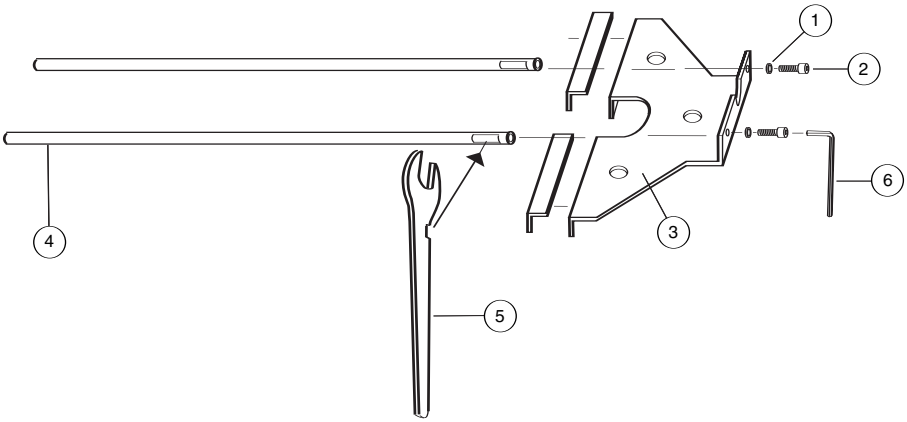
Fitting and Removing the Dust Extractor Spout

- Insert the extractor spout (1) into the base of the router.
- Fit the two countersunk headed screws (2) from beneath and screw-on into the captivated nuts in the spout.
- Dismantle in reverse order.
- The extractor spout is suitable for dust extractors with a hose diameter of 1⅜".

Whenever possible use the dust extraction spout with a suitable extractor when routing.

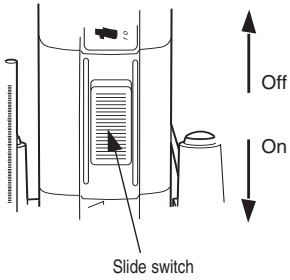
Fence Assembly

- Fit the spring washers (1) over the socket head screw (2) and pass the screw through the fence (3).
- Screw the side fence rod (4) onto the screw and tighten by hand.
- Use the cut-out in the side of the 17mm spanner (5) to hold the flat on the rod while tightening the screw with the hex key (6).
- Repeat for other rod assembly.



Switching On & Off

- A slide switch on the front of the motor body is used to turn the router on and off. When fitting the motor unit to the base, ensure that the switch is facing forwards.



Adjusting the Depth of Cut

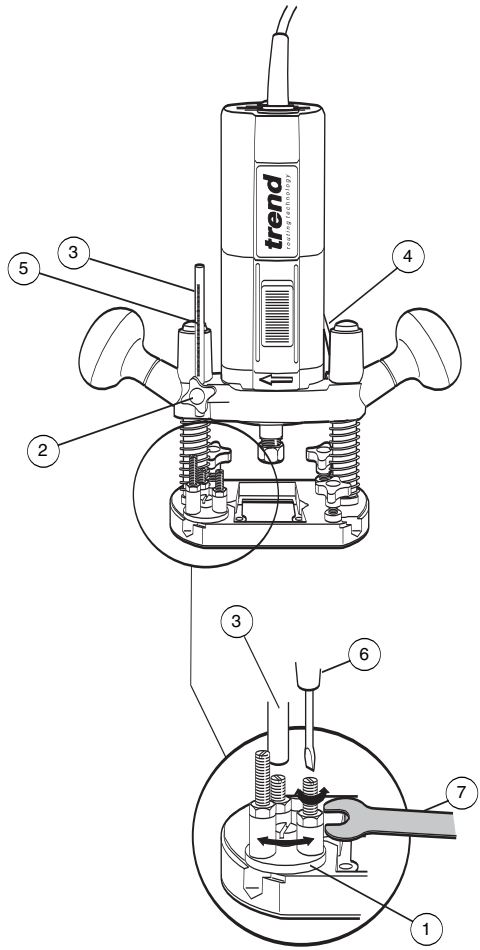
- Place the machine on the work piece.
- Pre-set the 3-way turret stop (1) as required.
- Undo the thumb knob (2) for securing the depth stop (3).
- Undo the plunge locking lever (4).
- Lower the machine slowly until the bit just touches the work piece and secure it with the plunge locking lever (4).
- Raise the depth stop in accordance with the scale (5) for the depth of cut required and clamp in place with the thumb knob (2).

  The gap between the depth stop and the turret stop screw determines the depth of cut.

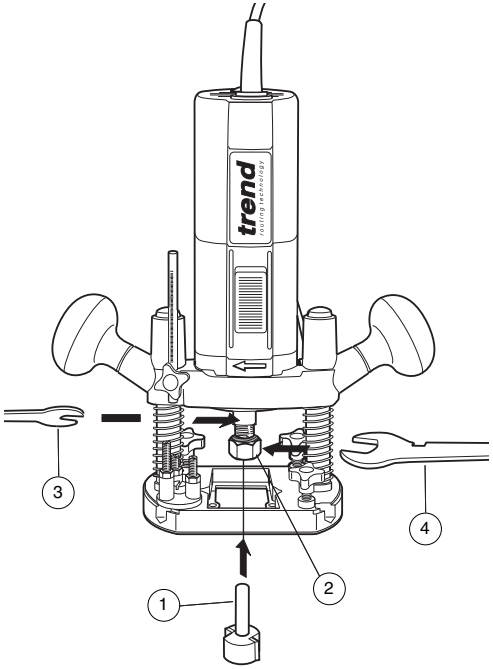
The rotating turret stop screws can be used for pre-setting up to three depths of cut. Their height can be adjusted using a screwdriver (6) and an 8mm A/F spanner (7).

Never make adjustments when the router is running or plugged in.
Deep cuts should always be routed in several passes.

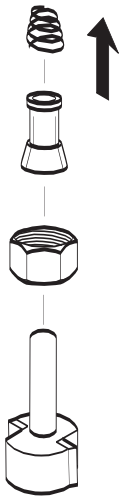
Make sure the machine is switched off before connecting it to the power supply!



By turning the turret stop, three depth settings can be quickly made.



Correct Sequence for Fitting Collet, Nut, Collet Spring and Bit



How to Fit and Remove a Router Bit

Fitting Bits

- Insert at least 3/4 of the shank length of the bit (1) into the collet assembly (2).
- Fit the 15mm A/F spanner (3) onto the flats on the motor spindle to lock it while tightening the collet nut, with the 17mm A/F spanner (4). Do not use excessive force.

Removing Bits

- Fit the 15mm A/F spanner onto the flats on the motor spindle to lock it while undoing the collet nut with the 17mm A/F spanner.
- The bit should now slide out.
- Each time you finish using a bit, remove it and store it in a safe place.
- A collet spring is fitted into the spindle behind the collet to allow for easy collet change.

Do not tighten the collet without a bit fitted.

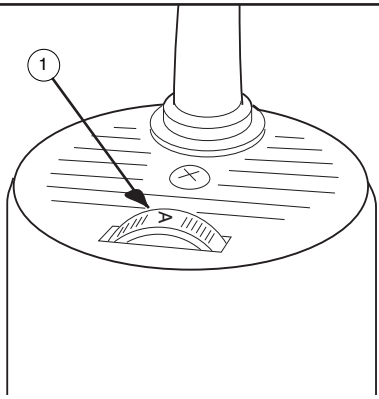
Always use bits with shanks which match the diameter of the collet.

Do not use bits larger than 1 3/16" in diameter.

Setting the Electronic Speed Control Dial

The speed is infinitely variable from 8,000 to 32,000 RPM using the electronic speed control dial (1) for uniform cutting results in all types of wood, plastics and in aluminium.

- Turn the electronic speed control dial to the required level. The dial is lettered from A to G and corresponds to router speeds from 8,000 RPM to 32,000 RPM.
- Generally, use the lower settings for large diameter bits and the higher settings for small diameter bits. The correct setting will also depend on the density of the material, depth of cut and feed speed of the router, as severe loss of rpm denotes motor overload. In most cases the slowest speed required for large bits with smaller shank sizes is dial letter D.

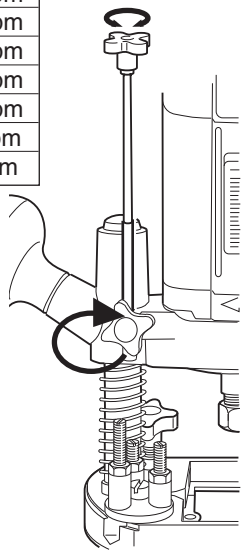


Dial No.	Router Speed
A	8,000 rpm
B	12,000 rpm
C	16,000 rpm
D	20,500 rpm
E	24,000 rpm
F	28,000 rpm
G	32,000 rpm

Using the Fine Height Adjuster

The optional fine height adjuster (Ref. FHA/001) should be used when fine adjustment is required. This is especially recommended when using our dovetail jig or router table.

- Remove the depth stop and replace it with the fine height adjuster.
- Leave the plunge locking grip knob and the thumb knob loose and thread the end of the fine height adjuster onto the longest screw.
- Set the depth of cut by turning the fine height adjuster handle until the correct height is reached. Then lock the carriage clockwise with the plunge locking grip knob.

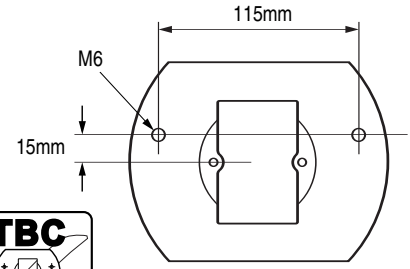


Remember to always unlock the carriage by releasing the plunge locking lever when adjusting the height with the fine adjuster.

Fixing Points for Accessories

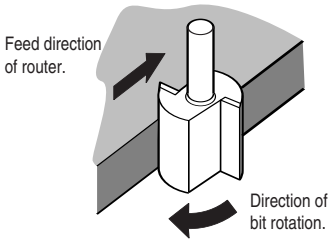
The router has two M6 threaded holes in its base for fixing the router to a table or various jigs and accessories.

The use of Trend routers in router tables offered by other manufacturers has not been investigated for compliance with applicable safety standards.



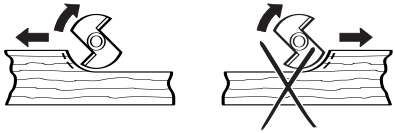
OPERATION

Cutting Direction



The direction of routing must always be opposite to the bit's direction of rotation, otherwise there is a risk of kick-back.

Feed Direction

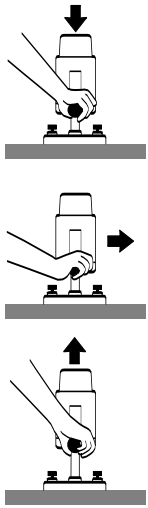


When routing along an edge, the direction of the router travel should be against that of the rotation of the bit. This will create the correct cutting action and prevent the bit 'snatching'. It will also pull the router towards the work piece and hence the side-fence or guide bearing will be less likely to wander from the edge of the work piece.

Feed Speed

The speed at which the bit is fed into the wood must not be too fast that the motor slows down, or too slow that the bit leaves burn marks on the face of the wood. Practice judging the speed by listening to the sound of the motor when routing.

Sequence of plunging



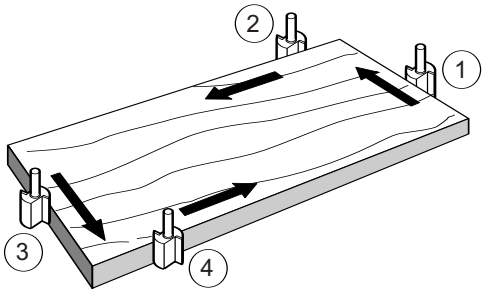
Step One
Plunge down and lock the motor carriage, with the plunge locking lever.

Step Two
Carry out the routing operation.

Step Three
Release the plunge locking lever and the motor carriage returns to the normal position.

Moulding Natural Timbers

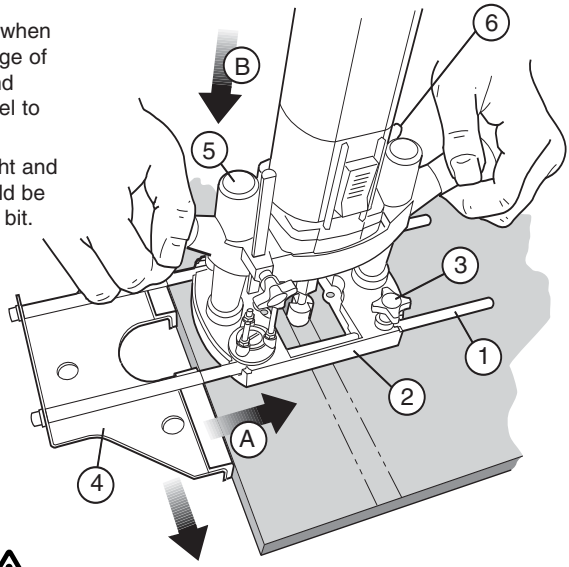
When edge moulding natural timbers, always mould the end grain first, followed by the long grain. This ensures that if there is 'breakout', this will be removed when the long grain is routed.



Side-fence Routing

The side-fence is used to guide the router when moulding, edge profiling or rebating the edge of the work piece or when routing grooves and slots in the center of the work piece, parallel to the edge.

The edge of the work piece must be straight and true. The cheeks are adjustable and should be set ideally with a 1/8" gap each side of the bit.

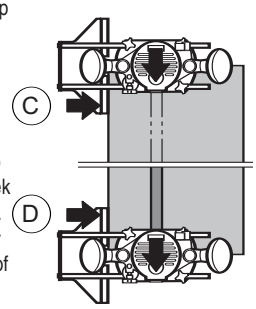


Fitting and using the Side-fence

- Make sure the thumb knobs (3) are fully released. Slide the guide rods (1) into the router base (2) and tighten the thumb knobs (3).
- Adjust the side-fence (4) to the required distance and clamp in place with the thumb knobs (3).
- Lower the bit height until the bit is just above the work piece.
- Lower the bit onto the work piece and set the bit height by raising the depth stop (5) the required distance.
- Switch on the router and when the bit reaches full speed, gently lower the bit into the work piece and lock the plunge, with the plunge locking lever (6).
- Feed along the timber, keeping sideways pressure (A) to ensure the side-fence does not wander away from the work piece edge and downward pressure on the inside hand (B) to prevent the router from tipping.
- When finished, raise the bit, secure with the plunge locking lever and switch off.

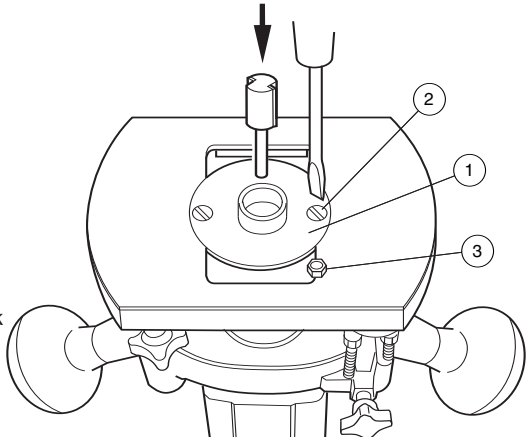
When starting the cut, keep the pressure on the front cheek (C) until the back cheek contacts the work piece edge.

At the end of the cut, keep pressure on the back cheek (D) until the cut is finished. This will prevent the router bit swinging in at the end of the work piece and 'nipping' the corner.



Using the Guide Bush

The 5/8" guide bush (1) is fastened to the router's base from beneath using the two M5 countersunk machine screws (2) and two nuts (3) supplied.

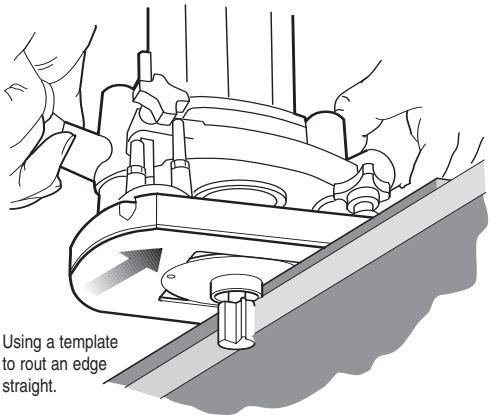


Routing with a Template

The guide bush is used in conjunction with a template when the routing operation is repetitive or the work piece is complex in shape. The template is fixed to the upper surface of the work piece. A bit is chosen with a diameter which will pass through the center of the bush leaving enough clearance. The bit can be straight or shaped. The router can then be guided around the template so that the shape of the template will be replicated.

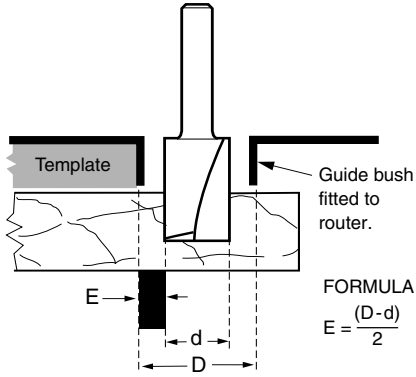
Making the Template

The template is cut from 1/4" MDF, plywood or plastic to the shape required. The guide bush offset needs to be allowed for when calculating the shape of the template. The template must be smaller by an amount equal to the difference between the 'outer edge of the guide ring' and the 'outer edge of the bit'. See below for the offset calculation. The edge of the template must be free of imperfections as these will be replicated in the final work piece.

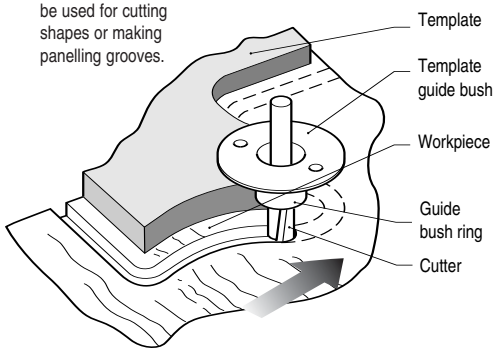


Using a template to rout an edge straight.

Calculations for template offset



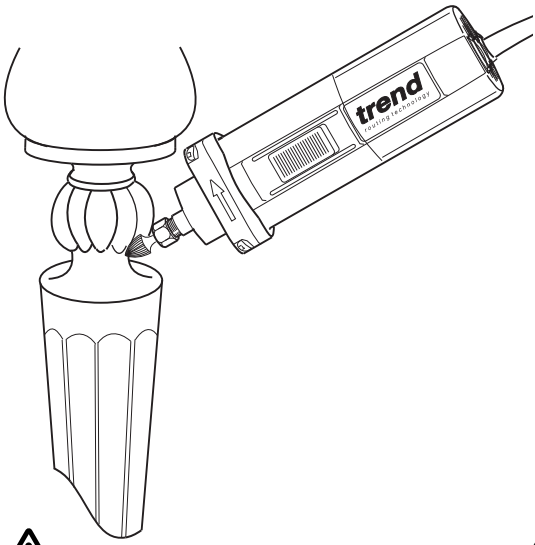
Alternatively it can be used for cutting shapes or making panelling grooves.



Carving and Grinding

Carving and grinding applications can be carried out with the router removed from its plunge base. When using the router in this way, only use multi flute carving, engraving, or de-burring rasps and burrs.

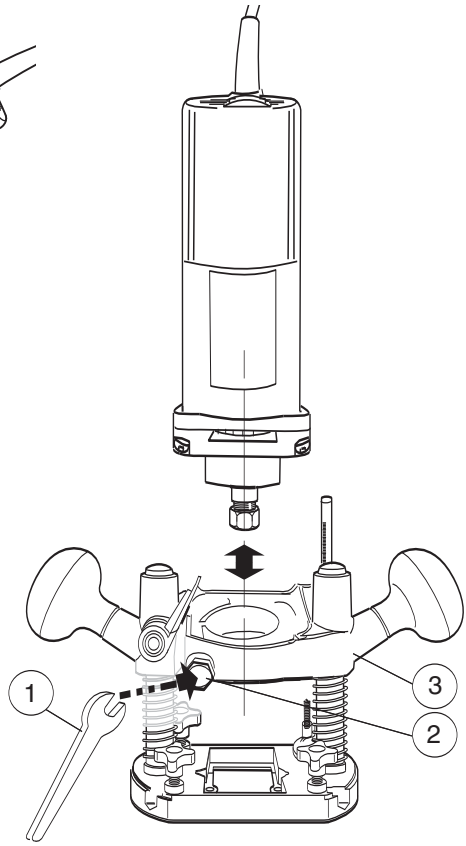
Never use high speed router bits for carving operations.



Always unplug the machine from the power supply before separating the router from its plunge base.

Removing the Router from the Plunge Base

- Never separate the router from the base while a bit is fitted in the collet. Always disconnect the router from the power supply before separating the router from the base.
- Use the 15mm open ended spanner (1) to release the clamping nut (2) on the base. Slacken the nut off until the motor unit slides out of the base (3).
- When re-fitting the motor unit, ensure that the switch is facing the front of the router so that it is accessible when plunge routing.
- Ensure that the clamping nut is re-tightened before using the router for normal plunge cutting operations.

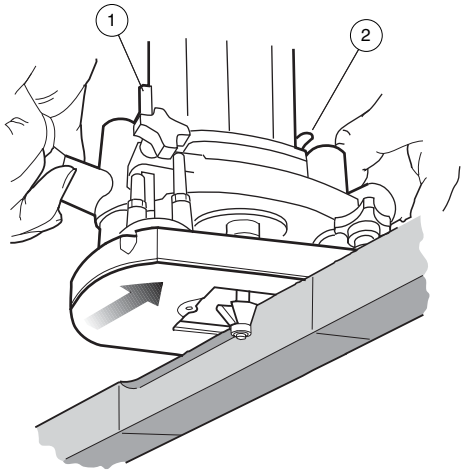


Bearing Guided Bits ⚠

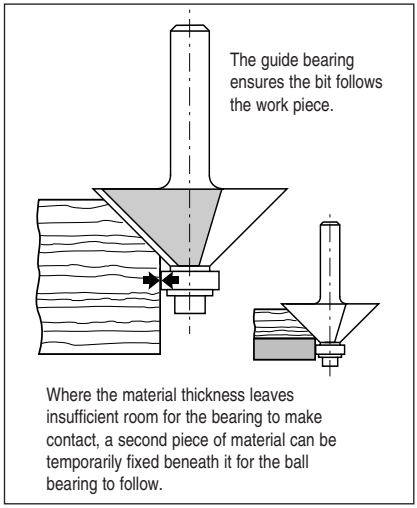
Edge profiling and shaping bits are available with a bearing fitted to the end. This enables shaped or straight workpieces to be routed without the need for a guiding device such as a side-fence or batten.

The edge must be free from imperfections as these will be reflected in the finish of the mould. Often alternative diameters of bearings are offered which will change the shape of the resulting mould.

With certain shapes such as the chamfer bit below, increasing the depth of cut will produce a larger chamfered edge.



- Fit the bearing guided bit into the router collet.
- Place router onto the work piece.
- Set height of bit using the depth stop (1).
- Switch on the machine.
- After releasing the plunge locking lever (2), lower the machine slowly as far as the depth stop.
- With bearing of bit running along board edge, mould the edge of the work piece by moving the router in the direction shown.
- A continuous motion should be used to prevent burning of the work piece. When possible, take a number of passes at increased bit depths. A light final pass will produce a good finish.
- When complete, retract the carriage by releasing the locking grip knob.
- Switch off the router.

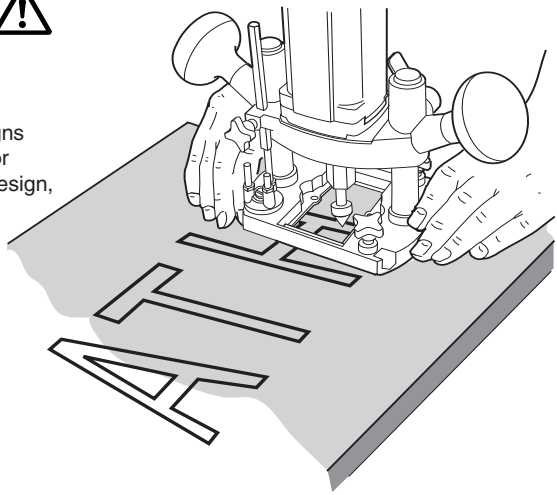


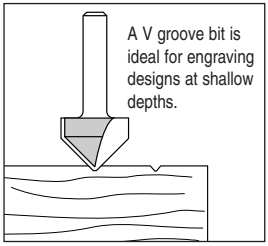
⚠ **Keep downward pressure with the inside hand to prevent the router from tipping.**

Freehand Routing with the Router

The T3 can also be used for signwriting or creative freehand work without any form of guide.

With practice, numbers or name plate designs can be routed freehand. Draw the design or motif on the work piece and then rout the design, taking shallow passes.





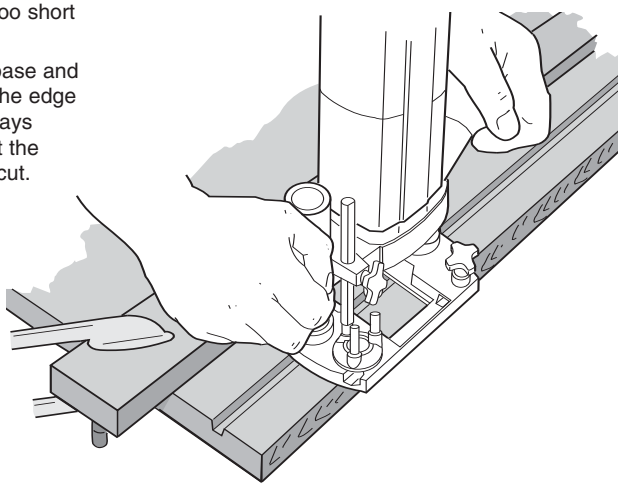
A V groove bit is ideal for engraving designs at shallow depths.

Batten Routing

Where a side-fence cannot be used, it is also possible to guide the router along a batten clamped across the work piece (with an overhang at both ends).

Guidance from a batten is similar to that obtained from a side-fence. This method is appropriate if the edge of the work piece is not straight or is not very smooth or simply the guide rods of the side-fence are too short for the job.

Use the straight edges of the router base and calculate the distance required from the edge of the batten to the cut required. Always check that the clamps do not obstruct the path of the router before starting the cut.



Standard technique is used, and side pressure applied to ensure the router does not wander from the batten.

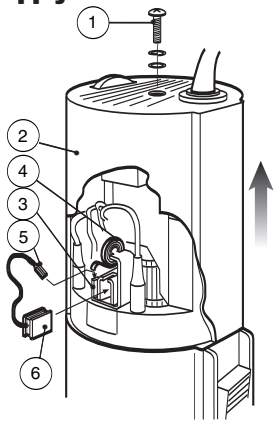
MAINTENANCE AND CARE

Cleaning

- Keep the machine clean at all times. Some maintenance products and solvents may damage the plastic parts, these include products containing Benzene, Trichloroethyle Chloride and Ammonia.
- Never use any caustic agents to clean the plastic parts.

Changing Brushes

Ensure machine is isolated from power supply.



It is advisable to have the brushes replaced by an authorized Trend service agent. The router will also be given a thorough inspection.

- Undo the single screw (1) in the top of the vent housing. Slide the vent housing (2) off.
- Pull back the spring retaining clip (4). Take care not to bend or distort the coil spring.
- Disconnect the wire (5) and remove the carbon brush (6).
- Insert the new brush and press the connector firmly on to the tag (3). Refit the cover.
- Always use original T3 spare parts.

Lubrication

- The bearings of the machine need no lubrication, as they are sealed. The two plunge columns on the routing base should be slightly oiled from time to time.
- Keep the cooling vents on the motor housing clean and unobstructed at all times. Blow out any dust and dirt at regular intervals.
- Visually check the carbon brushes. In the event of excessive sparking, they may need changing.
- After about 40 operating hours inspection by a authorized Trend Service Agent is recommended.

RECYCLING

- Machine, accessories and packaging should be sorted for environmentally friendly recycling.

GUARANTEE

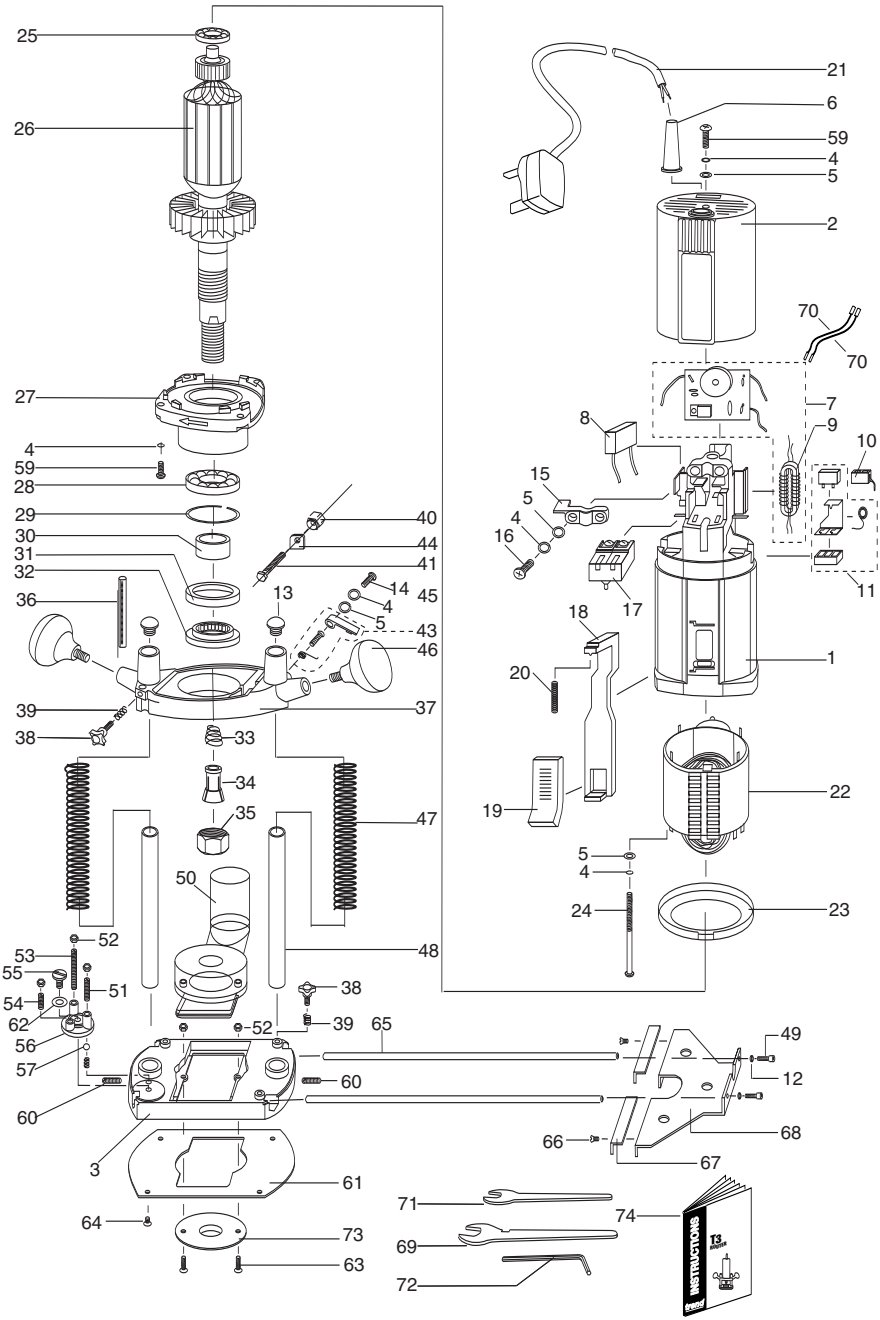
- The machine carries a manufacturers guarantee in accordance with the conditions on the enclosed guarantee card.

T3 USA - SPARE PARTS LIST			v1.0 6/2003
No.	**Qty.**	**Desc.**	**Ref.**
1	1	Stator Housing	WP-T3/001
2	1	Top Vent Housing	WP-T3/002
3	1	Base Complete	WP-T3/003
4	7	Spring Washer 4mm	WP-T3/004
5	1	Washer 4mm x 7mm x 0.8mm	WP-T3/005
6	1	Cable Guard	WP-T3/006
7	1	Speed Control Circuit Board 120V & Capacitor USA	WP-T3ELU/007
8	-	-	-
9	1	Resistor	WP-T3/009
10	1	Carbon Brush 120V 2 sets USA	WP-T3ELU/010
11	2	Brush Holder	WP-T3/011
12	2	Circlip 5mm	WP-T3/012
13	2	Column End Cap	WP-T3/013
14	2	Plunge Locking Screw LH	WP-T3/014
15	1	Cable Clamp	WP-T3/015
16	2	Machine Screw Dome M4 x 12mm Pozi	WP-SCW/07
17	1	Switch 120V USA	WP-T3ELU/017
18	1	Push Rod	WP-T3/018
19	1	On / Off Lever	WP-T3/019
20	1	Spring 1/16”	WP-T3/020
21	2	2 Core Cable with Plug 120V USA	WP-T3LU/021
22	1	Field Complete 120V USA	WP-T3ELU/022
23	1	Baffle	WP-T3/023
24	2	Machine Screw Pan M4 x 58mm Pozi	WP-T3/024
25	1	Top Bearing 7mm x 22mm x 7mm 627ZZ	WP-T3/025
26	1	Armature 120V with Fan USA	WP-T3ELU/026
27	1	Lower Bearing Housing	WP-T3/027
28	1	Lower Bearing 17mm x 35mm x 10mm 6003ZZ	WP-T3/028
29	1	Circlip	WP-T3/029
30	1	Collar	WP-T3/030
31	1	Seal	WP-T3/031
32	1	Bearing Lock Plate	WP-T3/032
33	1	Collet Spring	WP-T3E/033
34	1	Collet 1/4”	CLT/T3/635
	1	Collet 6mm	CLT/T3/6
	1	Collet 8mm	CLT/T3/8
35	1	Collet Nut	CLT/NUT/T3
36	1	Depth Stop	WP-T3/036
37	1	Middle Frame	WP-T3/037
38	1	Thumb Knob	WP-T3/038
39	1	Spring 8mm	WP-T3/039
40	1	Base Housing Lock Nut	WP-T3/040
41	1	Set Screw Hex M6 x 45mm	WP-T3/041
42	1	Circlip 17mm	WP-T3/042

T3 USA - SPARE PARTS LIST			v1.0 6/2003
No.	**Qty.**	**Desc.**	**Ref.**
43	1	Plunge Lock Lever	WP-T3/043
44	1	Lower Housing Clamp Spacer	WP-T3/044
45	1	Torsion Spring 1/2" Dia	WP-T3/045
46	2	Grip Knob	WP-T3/046
47	2	Plunge Spring	WP-T3/047
48	2	Plunge Column	WP-T3/048
49	2	Machine Screw Socket M5 x 16mm	WP-SCW/64
50	1	Dust Extraction Spout Complete	WP-T3/050
51	1	Threaded Pin M5 x 25mm	WP-T3/051
52	5	Nut Hex M5	WP-NUT/05
53	1	Threaded Pin M5 x 35mm	WP-T3/053
54	1	Threaded Pin M5 x 15mm	WP-T3/054
55	1	Stepped Machine Screw M6	WP-T3/055
56	1	Revolving Turret	WP-T3/056
57	1	Ball for Revolving Turret	WP-T3/057
58	1	Spring for Revolving Turret	WP-T3/058
59	5	Machine Screw Pan M4 x 16mm Pozi	WP-SCW/65
60	2	Grub screw M6 x 6mm	WP-T3/060A
61	1	Plastic Base Slider	WP-T3/061
62	1	Spring Washer Revolving Guide	WP-T3/062
63	2	Machine Screw Csk M5 x 16mm Slot	WP-SCW/11
64	4	Machine Screw Csk M4 x 8mm Pozi	WP-SCW/54
65	1	Guide Rod 5/16" x 12" (pair)	WP-T3/065
66	4	Machine Screw Csk M4 x 6mm Pozi	WP-SCW/66
67	1	Side Fence Cheeks (pair)	WP-T3/067
68	1	Parallel Side Fence Body	WP-T3/068
69	1	Spanner Special 17mm A/F	WP-T3/069
70	2	Lead Brush to Field (Brown x 85mm)	WP-T3/070
71	1	Spanner 15mm A/F	WP-SPAN/15P
72	1	Hex Key 4mm A/F	WP-AP/04
73	1	Guide Bush 5/8"	GB16/B
74	1	Manual - USA	MANU/T3/USA

T3 USA - SPARE PARTS DIAGRAM

v1.0 6/2003



MANU/T3/USA v2.0

5 027654 531389 >

RECYCLABLE

Trend Routing Technology Inc.
Technical Support: __0044(0)1923 224681
Email: _____technical@trend-usa.com
Web: _____www.trend-usa.com