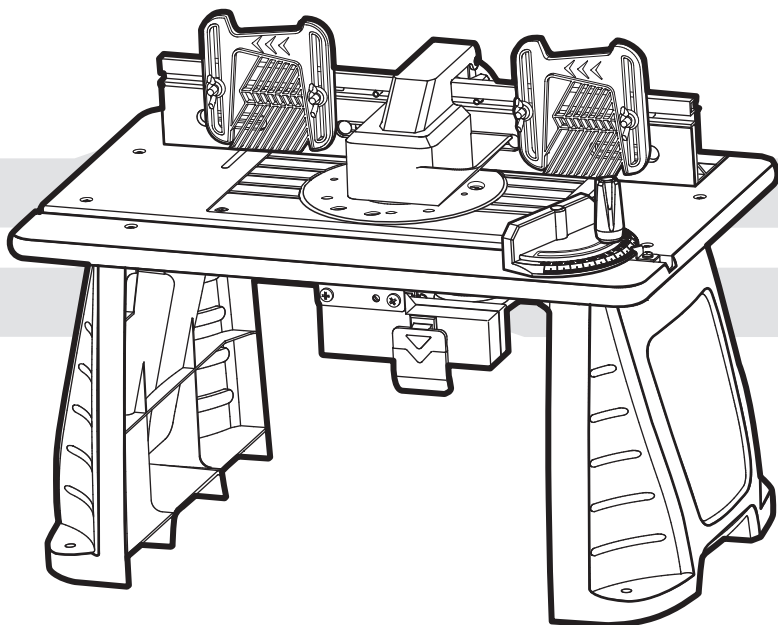


Mastercraft™



INSTRUCTION MANUAL **ROUTER TABLE**

054-6841-4

If any parts are missing or damaged, or if you have any questions, please call our toll-free helpline at 1-800-689-9928.



Read and understand this instruction manual thoroughly before using the product. It contains important information for your safety as well as operating and maintenance advice.

Keep this instruction manual for future use. Should this product be passed on to a third party, then this instruction manual must be included.



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| | |
|--------------------------|-----------------------|
| MODEL | 054-6841-4 |
| TABLE SIZE (APPROXIMATE) | 14 1/8" × 23 5/8" |
| TABLE HEIGHT | 12 1/2" |
| SWITCH RATING | 120V 60Hz 15A |
| CORD LENGTH | 6' |
| WEIGHT | 14 lb 11 oz (6.65 kg) |
| MAX. LOAD CAPACITY | 50 lb (22.7 kg) |

**WARNING!**

Safety symbols in this Instruction Manual are used to flag possible dangers. The safety symbols and their explanations require your full understanding. The safety warnings do not, by themselves, eliminate any danger, nor are they substitutes for proper accident prevention measures.

**WARNING!**

This Safety Alert Symbol indicates caution, warning, or danger. Failure to obey a safety warning can result in serious injury to yourself or others. To reduce the risk of injury, fire, or electric shock, always follow the safety precautions.

Know your tool

Read this Instruction Manual and all of the labels affixed to the router table carefully before operating this tool. Keep this Manual available for future reference.

Important

This tool should only be serviced by a qualified service technician. For more information, call the toll-free helpline at 1-800-689-9928.

Read all instructions thoroughly**Save these instructions****General power tool safety warnings****WARNING!**

Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

General safety rules for bench tools



WARNING!

Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

- **Keep guards in place and in working order.**
- **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.
- **Keep the work area clean.** Cluttered areas and benches invite accidents.
- **Don't use in a dangerous environment.** Don't use power tools in damp or wet locations or expose them to rain. Keep the work area well lighted.
- **Keep children away.** All visitors should be kept a safe distance from the work area.
- **Make the workshop childproof with padlocks and master switches, or by removing starter keys.**
- **Don't force the tool.** It will do the job better and more safely when used at the rate that it was designed to work at.
- **Use the right tool.** Don't force a tool or attachment to do a job that it was not designed to do.
- **Use the proper extension cord.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one that is heavy enough to carry the current that your product will draw. An undersized cord will cause a drop in line voltage, resulting in loss of power and overheating. Table 1 shows the correct size to use, depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

Table 1: **Recommended size of extension cords**

| Amperage rating of the tool (120 V circuit only) | | Total length of the extension cord | | | |
|--|---------------|--|--------------|-----------------|---------------|
| | | 25' (7.6 m) | 50' (15.2 m) | 100' (30.4 m) | 150' (45.7 m) |
| More than | Not more than | Minimum Gauge for the extension cord (AWG) | | | |
| 0 | 6 | 18 | 16 | 16 | 14 |
| 6 | 10 | 18 | 16 | 14 | 12 |
| 10 | 12 | 16 | 16 | 14 | 12 |
| 12 | 16 | 14 | 12 | Not recommended | |

- **Wear proper apparel** do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewellery that can get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.

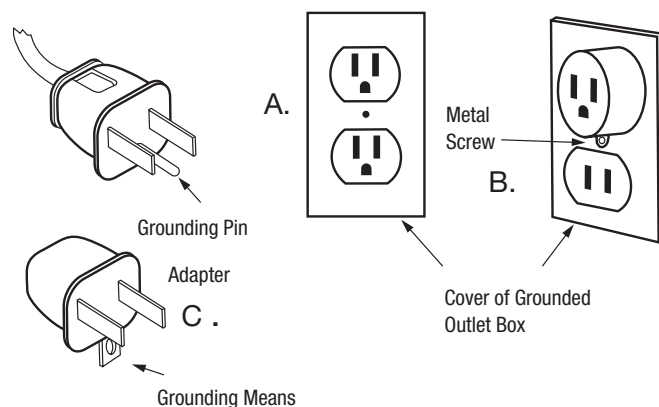
- **Always use safety glasses.** Also use a facemask or dust mask if the cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses. They are not safety glasses.
- **Secure the workpiece.** Use clamps or a vise to hold the workpiece when practical. It's safer than using your hand and it frees both hands to operate the tool.
- **Don't overreach.** Keep proper footing and balance at all times.
- **Maintain tools with care.** Keep tools sharp and clean for the best and safest performance. Follow instructions for lubricating and changing accessories.
- **Disconnect tools before servicing and when changing accessories, such as blades, bits, cutters, and the like.**
- **Reduce the risk of unintentional starting.** Make sure the switch is in the off position before plugging the tool into an electrical outlet.
- **Use recommended accessories.** Consult the instruction manual for recommended accessories. The use of improper accessories may cause a risk of injury to persons.
- **Never stand on the tool.** Serious injury could occur if the tool is tipped or if the cutting tool is contacted unintentionally.
- **Check damaged parts.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine whether it will operate properly and perform its intended function. Check for misalignment or binding of moving parts, broken parts or mountings, and any other condition that may affect the operation of the tool. A guard or other part that is damaged should be properly repaired or replaced.
- **Direction of feed: always feed work into a blade or cutter against the direction of rotation of the blade or cutter.**
- **Never leave a tool running unattended.** Turn the power off. Don't leave the tool until it comes to a complete stop.

Grounding instruction

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This router table is equipped with an electrical cord with an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances

- **Do not modify the plug provided.** If it will not fit into the outlet, have the proper outlet installed by a qualified electrician.
- **Improper connection of the equipment-grounding conductor can result in a risk of electric shock.**

- **The conductor with a green-coloured outer insulation cover, with or without yellow stripes, is the equipment-grounding conductor.** If repair or replacement is necessary, do not connect the equipment-grounding conductor to a live terminal.
- **Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.**
- **Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool's plug.**
- **Repair or replace damaged or worn cord immediately.**
- **This tool is intended for use on a circuit that has an outlet that looks like the one illustrated in Sketch A in the figure below.** The tool has a grounding plug that looks like the plug illustrated in sketch A in the figure below. A temporary adapter, which looks like the adapter illustrated in Sketches B and C, may be used to connect this plug to a 2-pole receptacle as shown in Sketch B if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet can be installed by a qualified electrician. The green-coloured rigid ear, lug, and the like, extending from the adapter must be connected to a permanent ground, such as a properly grounded outlet box.



Guidelines for extension cords

- **When operating a power tool outdoors, use an outdoor extension cord that is marked W-A or W.** These cords are rated for outdoor use, and reduce the risk of electric shock. Replace damaged cords immediately. Using a damaged cord can cause shocks, burns, or electrocution.
- **Use a proper extension cord.** Make sure that extension cords are in good condition. When using an extension cord, be sure to use a cord that is heavy enough to carry the drawn current needed by the router and accessories. An undersized cord will cause a drop in line voltage, resulting in loss of power and overheating. The table below shows the correct size to use, depending on the cord length and nameplate amperage rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.
- **Be sure that extension cords are properly wired and in good condition.** Always replace a damaged extension cord or have it repaired by a qualified technician before using it. Protect extension cords from sharp objects, excessive heat, and damp or wet areas.
- **Use a separate electrical circuit for power tools.** This circuit must not be less than #6 wire, and should be protected with a time-delayed fuse. Before connecting the tool to the power line, make sure the switch is in the OFF position and the electric current is rated the same as the current stamped on the motor's nameplate. Running at a lower voltage will damage the motor.



WARNING!

Ensure that the power supply outlet in question is properly grounded. If not sure, have a licensed electrician check the outlet.



WARNING!

To avoid electrical hazards, fire hazards, or damage to the tool, use proper circuit protection.

Specific safety rules for the router table





WARNING!

Read all instructions. Failure to comply with all of the following instructions may result in electric shock, fire and/or serious injury.

- **Read and understand all instructions and warnings in the Instruction Manual for the router table and the router used with this table.** Failure to follow all instructions and warnings may result in serious personal injury.
- **Fully assemble and tighten all fasteners required for this table and for mounting the router to the table.** Do not use the router table until all assembly and installation steps have been completed.

- **Before each use, check the router and the table to ensure that all fasteners are still tight.** A loose table is unstable, and may shift during use.
- **Unplug the router before installing it into the table.**
- **Turn off the router-table safety switch that controls power to the router or unplug the router before making adjustments or changing accessories, such as bits or cutters.**
- **Always wear a dust mask and ear protection when using this power tool.**
- **Only use cutters that are designed for the particular router in use.**
- **Only use sharp cutters that are not chipped or cracked.** Blunt cutters will cause stalling.
- **Secure small pieces of wood firmly before working.** Never hold a workpiece by hand.
- **Secure the workpiece using clamping equipment.**
- **Before starting the router,** check that the cutter bit is firmly positioned and secured in the collet.
- **Do not exceed the maximum indicated rotation speed of the cutter bit.**
- **Routing operations must always be performed against the direction of rotation of the cutter bit (cutter rotation).**
- **Note that the direction of rotation is reversed when the router is installed in the router table: when installed in the router table, the cutter rotates counter-clockwise.**
- **The cutter bit must be running at full speed before it is lowered to the workpiece.**
- **When operating the router, always hold the handles firmly with both hands.** Always ensure that footing is secure when working.
- **Be prepared for the reaction torque of the router, particularly if the cutter bit becomes jammed in the workpiece.**
- **Become familiar with the working area, and be alert for possible hazards that cannot be heard due to the noise of the router.**
- **Never slow the router down with your hands.**
- **Do not touch the cutter immediately after operation.** It may be extremely hot, and could burn.
- **Never stop the router by applying lateral pressure to the cutter.**
- **Do not force the router.** It will do a better job if it is allowed to work at its intended speed.
- **Avoid cutting nails and screws.** Inspect timber before cutting, and remove all nails and screws.
- **In the event of an electrical or mechanical malfunction,** switch the router off immediately, and disconnect the power cord from the outlet.

- **The label on your tool may include the following symbols. The symbols and their definitions are as follows:**

| | |
|---|--|
| V | Volts |
| A | Amperes |
| Hz | Hertz |
| W | Watts |
| min | Minutes |
| ~ | Alternating current |
| — — — | Direct current |
| n ₀ | No load speed |
|  | Class II Construction |
| .../min | Revolutions per minute |
|  | Grounding terminal |
| BPM | Beats per minute |
|  | WARNING – To reduce the risk of injury, user must read instruction manual. |

Unpacking



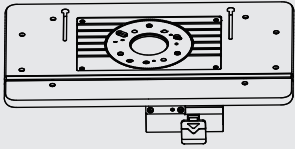

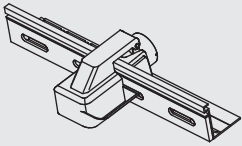
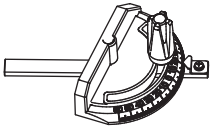



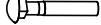
WARNING!

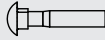
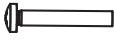

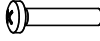
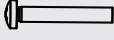









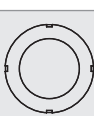
If any parts are missing, DO NOT attempt to assemble, install, or use the router table until the missing parts have been found or replaced and the router table has been properly and correctly assembled according to this Instruction Manual.

To simplify handling and to minimize any damage that may occur during shipping, the router table comes partially assembled.

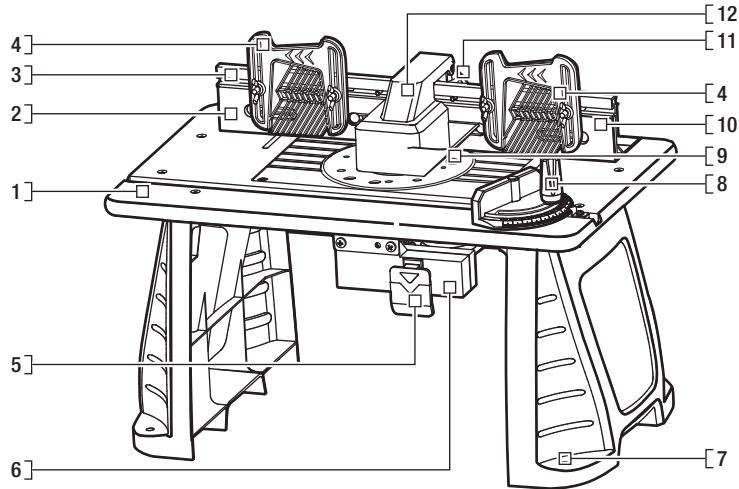
Separate all parts from the packaging materials, and check each part against Contents on the following page to ensure that all parts have been included. Do this before discarding any of the packaging material.

Contents:

| Key No. | | Description | Quantity |
|---------|---|---|----------|
| 1 |  | Router table (with universal router mounting plate) | 1 |
| 2 |  | Table leg | 2 |
| 3 |  | Fence assembly | 1 |
| 4 |  | Mitre-gauge assembly | 1 |
| 5 |  | Feather board | 3 |
| 6 |  | Wing nut | 6 |
| 7 |  | Plain washer | 8 |
| 8 |  | Round-head square-neck bolt M6x26 | 1 |

| | | | |
|----|--|-------------------------------------|----|
| 9 |  | Round-head square-neck bolts M6x35 | 6 |
| 10 |  | Round-head square-neck bolt M6x40 | 1 |
| 11 |  | Flat-head screw | 3 |
| 12 |  | Short pan-head screw | 4 |
| 13 |  | Long pan-head screw | 4 |
| 14 |  | Clamping knob | 2 |
| 15 |  | Starter pin | 1 |
| 16 |  | Level screws | 4 |
| 17 |  | Small nut | 8 |
| 18 |  | Spring washer | 8 |
| 19 |  | Small washer | 16 |
| 20 |  | Ellipse-shaped washer | 2 |
| 21 |  | Tabletop insert w/ 1 1/4" Dia. Hole | 1 |
| 22 |  | Tabletop insert w/ 1 7/8" Dia. Hole | 1 |
| 23 |  | Tabletop insert w/ 2 1/8" Dia. Hole | 1 |

Know the router table



| No. | Description | No. | Description |
|-----|--------------------------|-----|--------------------------------|
| 1 | Tabletop surface | 7 | Fastening holes |
| 2 | Out-feed fence | 8 | Mitre-gauge |
| 3 | Extended fence | 9 | Above-table height adjust hole |
| 4 | Feather board | 10 | In-feed fence |
| 5 | Integrated safety switch | 11 | Vacuum adaptor |
| 6 | Switch box | 12 | Dust collection and guard |

The router table has a precision-built electric switch box, and it should only be connected to a 120V AC, 60Hz power supply (normal household current). DO NOT operate on direct current (DC). The large voltage drop would cause a loss of power, and the motor would overheat. If the router table does not operate when plugged into correct 120V AC, 60Hz outlet ONLY, check the power supply. The router table comes with a 6' (1.8m) power cord (no adaptor needed).

**WARNING!**

Do not allow familiarity with the router table to cause a lack of alertness. A fraction of a second of carelessness is enough to cause severe injury.

Assembly and adjustment

Attaching the legs to the tabletop

1. Place the tabletop on a flat, level surface, with the underside of the table facing up.
2. Position the legs against the underside of the tabletop surface, as shown in fig 1.
3. Position one short end of the table so that it extends beyond the edge of the work surface far enough to gain access to the four holes in that end of the top of the router table.
4. Align the two outermost holes on the tabletop with the holes in the leg bracket.
5. Place a small washer(19) onto each of two short pan-head screws(12). Insert the short pan-head screws up through the holes in the table and through the holes in the leg bracket. Place a small washer (19), a spring washer (18), and a small nut (17) on the threads of each screw. Loosely tighten the nuts (fig 1).
6. Place a small washer(19) onto each of two long pan-head screws(13). Insert the long pan-head screws up through the other two holes on the tabletop and through the corresponding holes in the leg. Place a small washer (19), a spring washer (18), and a small nut (17) on the threads of each screw (fig 2).
7. Tighten all fasteners securely.
8. Repeat with the other leg.

fig 1

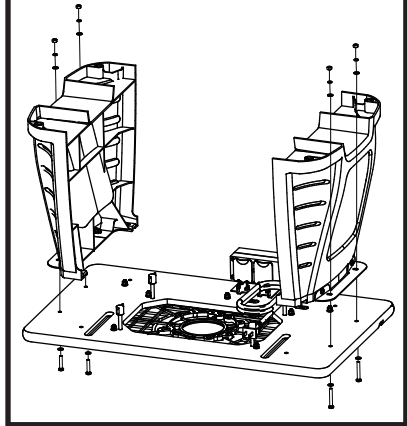
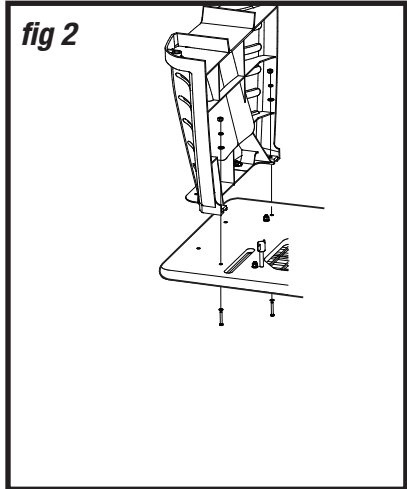
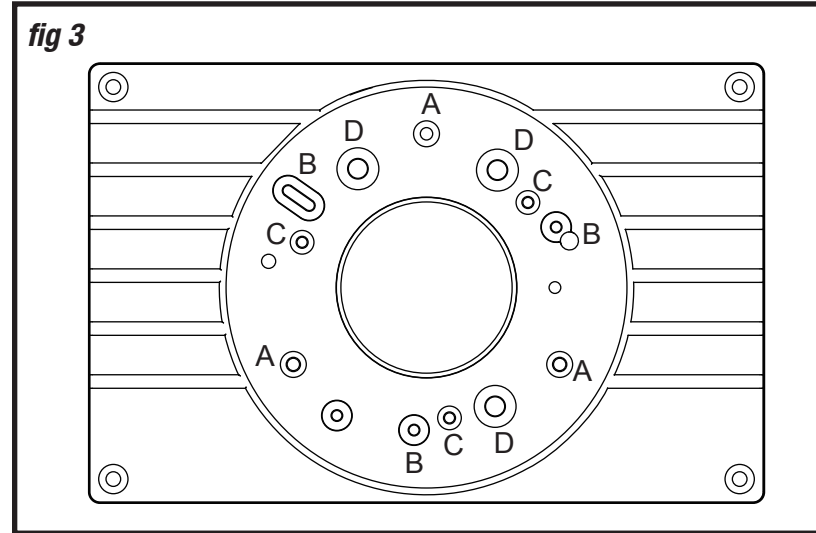


fig 2



Attaching the router to the router table (fig 3)

The holes on the router mounting plate can fit most popular routers: Mastercraft®, Mastercraft Maximum®, Bosch®, Porter Cable®, DeWALT®, Ryobi®.



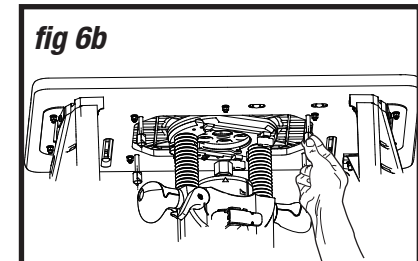
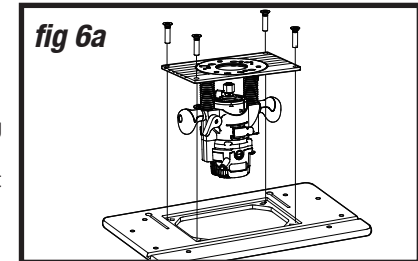
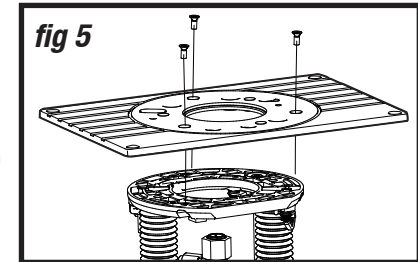
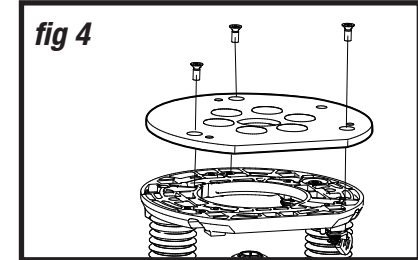
| ROUTER BRAND | ROUTER MODEL | HOLE PATTERN |
|----------------------|----------------------------------|--------------|
| Mastercraft® | 54-6908-8, 054-6902-0, 54-7010-6 | Hole A |
| Mastercraft Maximum® | 54-6810-8 | Hole A |
| Skil® | 1825 | Hole A |
| Bosch® | 1617EVSPK (plunge base only) | Hole B |
| Bosch® | 1617EVSPK(fixed base only) | Hole C |
| Porter Cable® | 694VK, 893, 1001-T2 | Hole C |
| Dewalt® | DW616 | Hole C |
| Ryobi® | RE1803BK | Hole D |

SKIL® is a registered trademark of Robert Bosch GmbH. BOSCH® is a registered trademark of Robert Bosch GmbH. Porter Cable® is a registered trademark of the Porter Cable Corporation. DEWALT® is a registered trademark of DEWALT Industrial Tool Co. Ryobi® is a registered trademark of Ryobi Limited and is used by One World pursuant to a license granted by Ryobi Limited.

Attaching the router to the router table

1. Unplug the router and the router table.
2. Remove the plastic sub-base from the router base (fig 4).
3. Loosen the screws and remove the universal router mounting plate from the router table.
4. Put the router upside down, and align the three holes in the centre of the universal router mounting plate with the holes in the router, as shown in fig 3.
5. Insert a flat-head screw (11) (when mounting router 054-6902-0, 54-7010-6, 54-6908-8, 54-6810-8) through each of the three holes in the universal router mounting plate and into the holes in the router base, and then tighten each flat-head screw securely (fig 5).
6. Re-install the router mounting plate to the router table (fig 6a). Install the four levelling screws into the four holes around the mounting plate opening. Adjust the mounting plate height so that it is flush with the table (fig 6b). A turn to the right raises the mounting plate and a turn to the left lowers the plate. Using a straight edge, check to be certain that the surface of the router mounting plate is flush with the tabletop surface.
7. To hold the mounting plate in position, tighten the four screws in Step 3. Recheck to make sure that the surface of the router mounting plate is flush with the tabletop surface. If not, repeat Step 6.

NOTE: Failure to make sure the router mounting plate is flush with the tabletop surface can result in poor routing performance. Slide a square-cut board from right to left across the router mounting plate to be sure that the board moves smoothly.



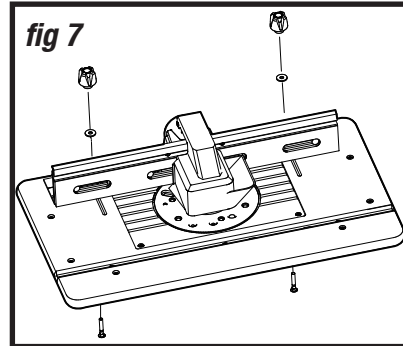
Attaching the fence to the table (fig 7)



WARNING!

Always unplug the router before attaching or removing the fence. The fence is shipped completely assembled.

1. Place the fence assembly on the tabletop surface, and align the two holes on the bottom of the fence assembly with the two slots on the router table.
2. From underneath, slide a long round-head square-neck bolt (10) through the left hole and a round-head square-neck bolt (8) through the right hole. Slide a plain washer (7) onto each bolt.
3. Put the clamping knobs (14) on the bolts. Secure the fence to the tabletop surface by tightening the clamping knobs.
4. To prepare the table for transportation and storage, loosen the clamping knobs, push the fence back and remove the fence from the table.



WARNING!

Always attach the fence to the table when you use the router table.

Installing tabletop inserts (fig 8)

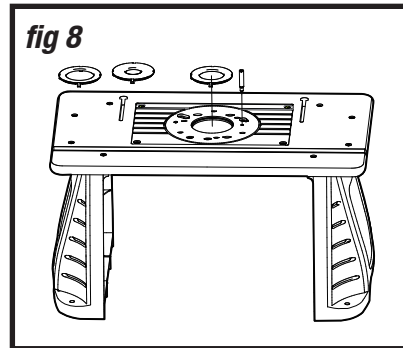
This router table includes three tabletop inserts, each with openings of different diameters: insert with 1-1/4" Diameter Hole (21), insert with 1-7/8" Diameter Hole (22), insert with 2-1/8" Diameter Hole (23).



WARNING!

Always unplug the router before attaching or removing the fence. The fence is shipped completely assembled.

1. Position the tabletop insert over the insert opening in the router table.
2. Press the insert into the insert opening in the router table.
3. Press down evenly over the tabs until the insert locks in place.
4. To remove, pull up gently until the tabs disengage. When not in use, store tabletop inserts in a convenient place.



WARNING!

DO NOT attempt to remove tabletop inserts from the insert opening unless the router is unplugged.

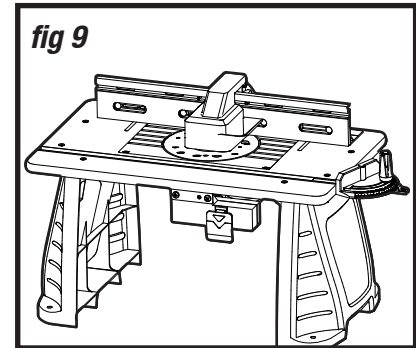


WARNING!

DO NOT use bits that have a cutting diameter that exceeds the clearance hole in the table inserts. Select a table insert that has a clearance hole 2mm larger than the diameter of the bit being used.

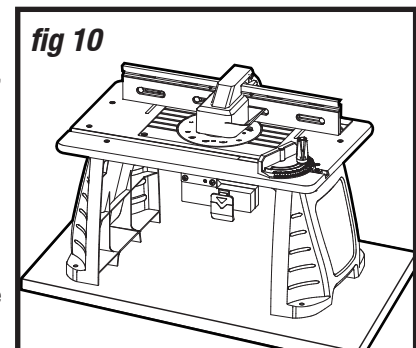
Attaching the mitre gauge (fig 9)

1. The mitre gauge is shipped completely assembled.
2. Attach the mitre gauge to the table by placing the mitre-gauge bar in the slot on the table.
3. To adjust the mitre gauge, loosen the mitre gauge knob, rotate the mitre gauge to the desired angle and tighten the knob again.



Attaching the table to a work surface (fig 10)

1. Place the router table upright on a sturdy surface, such as a work stand, workbench, or countertop.
2. While holding the router table in place, mark the location of the two mounting holes (11/32" [8.7 mm] diam.) in each of the legs on the work surface.
3. Remove the router table.
4. Drill a hole into the work surface at each of the marked locations.
5. Place the router table on the work surface and align the holes in the table legs with the holes in the work surface.
6. Secure the router table to the work surface with four bolts and nuts (not included).
7. Tighten the bolts securely.



Attaching the featherboards (fig 11)



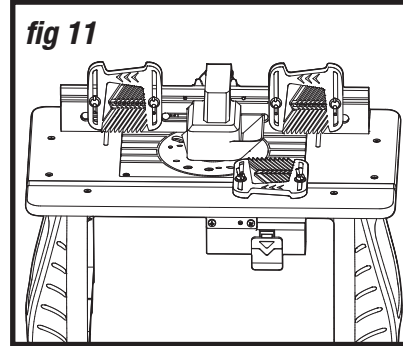
WARNING!

Always unplug the router before attaching or removing the feather boards.

NOTE: The front and back side of each feather board is marked to indicate proper feed direction.

ATTACH THE FEATHER BOARD TO THE FENCE

1. Place the feather board on the fence as shown in fig 11.
2. Insert the long round-head square-neck bolt (9) through the holes in the fence and the slot in the feather boards.
3. Slide a plain washer (7) onto the bolt.
4. Tighten the wing nut (6) to secure the fence and feather board.



ATTACH THE FEATHER BOARD TO THE TABLETOP SURFACE

1. Place the feather board on the tabletop surface.
2. Place an ellipse-shaped washer (20) onto the long round-head square-neck bolts (9). Insert the bolt through the holes in the tabletop surface and the slot in the feather boards.
3. Slide a plain washer (7) onto the bolt.
4. Tighten the wing nut (6) to secure the fence and feather board

Routing with feather boards

Feather boards are helpful in controlling the workpiece while routing and assist in keeping the workpiece flat on the tabletop. The tabletop feather board, combined with the fence feather board, help to keep the workpiece pressed against the fence and tabletop. The best location for the feather boards varies according to your application, workpiece size, and other factors.

1. Loosely install the featherboard(s) as described above.
2. Place the workpiece on the router table so that it is squarely against the fence.
3. Position the featherboards snugly against the workpiece and tighten the clamping knobs.
4. The workpiece should move with some resistance but without requiring a great effort.
5. For wider workpieces, the tabletop featherboard cannot be used.

Adjusting the fence (fig 12-14)

The fence supports and guides the workpiece. To provide the best support during routing operations, the fence facings should be as close to the bit as possible without contacting the bit (typically about 1/4" from the bit is a suitable distance).

TO ADJUST THE EXTENDED FENCE FORWARD AND BACKWARD (fig 12)

1. Loosen the two clamping knobs (14).
2. Move the fence forward or backward along the slots to the desired position.
3. Tighten the clamping knobs. The fence can be moved forward and backward 3 3/4" (9.5 cm).

TO ADJUST THE IN-FEED AND OUT-FEED FENCE LATERALLY (fig 13)

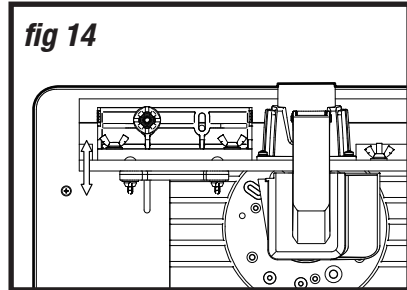
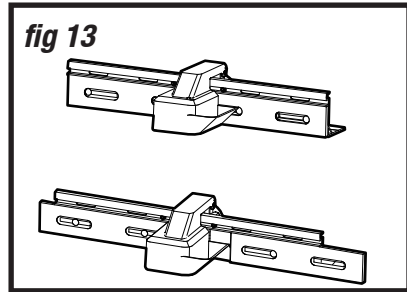
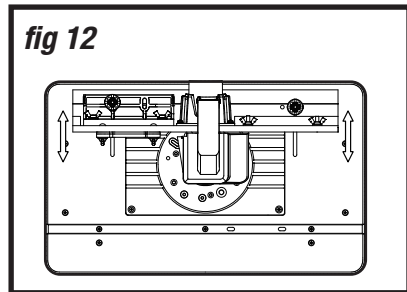
The in-feed and out-feed fence can each be adjusted 2" (5 cm) laterally to lengthen the fence.

1. Loosen the four wing nuts.
2. Move the fence facings to the right or left, to the desired position.
3. Tighten the wing nuts.

TO ADJUST THE OUT-FEED FENCE FOR JOINING (fig 14)

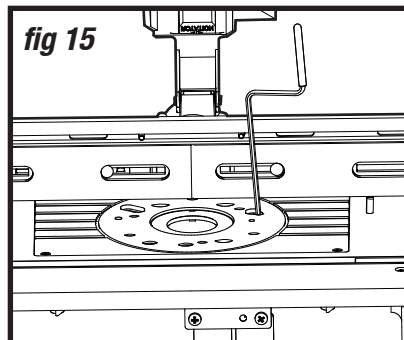
For joining operations, the out-feed fence can be adjusted up to 1/2" (12.7 mm) forward of the in-feed fence to support the workpiece after it passes across the router bit.

1. Loosen the clamping knob (14) on the out-feed fence.
2. Move the out-feed fence forward of the in-feed fence to a distance equal to the width of material to be removed from the workpiece. Tighten the clamping knobs.
3. Move and clamp the entire extended fence so that the out-feed fence is aligned with the cutting edge of the bit.



Above-table height adjustment (fig 15)

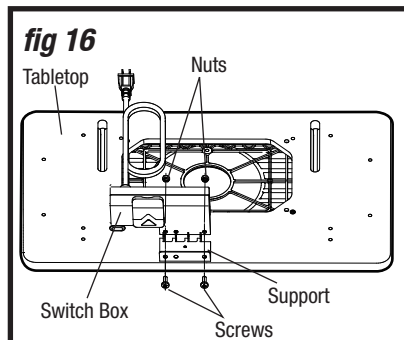
The router table features an access hole to allow use with the over-table height adjustment on the Mastercraft 054-6902-0 router (sold separately). Refer to your router manual for additional information for using this feature.



Installing switch box assembly to the tabletop (fig 16)

NOTE: Attach the switch box assembly to the router table before you use it.

1. Place the tabletop on a flat, level surface, with the underside of the table facing up.
2. Remove the screws and nuts from the support.
3. Position the switch box against the support.
4. Align the two holes in the support with the holes in the switch box, as shown in fig 16.
5. Insert the screws removed in STEP 2 through the holes in support and switch box. Place a nut removed in STEP 2 on the threads of each screw. Loosely tighten the two screws.



Switch box operation (fig 17a-17c)

Two receptacles are located at the back of the switch assembly. Use one for plugging in the router. The other may be used to plug in a vacuum or a light (not included). Two dust shields are designed to protect the receptacles (fig 18).



WARNING!

To ensure safety and reliability, when one receptacle is used for the router, the capacity of the other receptacle is limited to 5 A. The total current drawn by the two devices must not exceed 15 A.

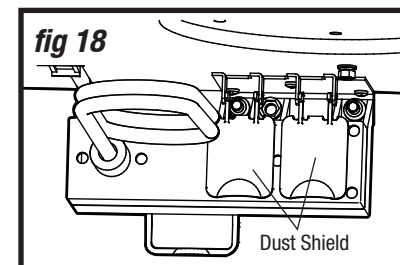
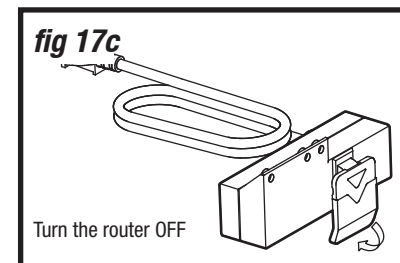
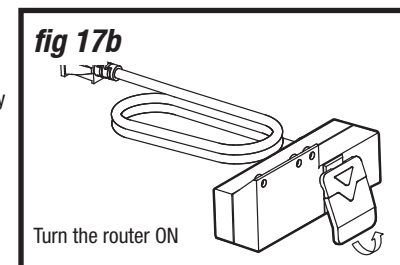
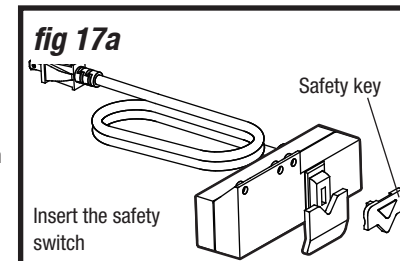
1. Insert the safety key into the switch.
2. To turn the switch ON, pull the ON/OFF switch up.
3. To turn the switch OFF, push the ON/OFF switch down.



WARNING!

Never leave the router unattended while it is running or before it comes to a complete stop.

4. To lock switch in the OFF position, push the ON/OFF switch down to turn the tool OFF, and then remove the safety key from the switch.



Using a vacuum

The vacuum adaptor in the fence assembly is 2 1/2" (6.4 cm) in diameter. Select the vacuum accordingly.



WARNING!

Operating the router table without a vacuum can result in an excessive build-up of sawdust and wood chips under the fence assembly and guard and in the cabinet, reducing the performance of the router table and fence assembly.

General routing operations with the router table

1. Read and understand entire Instruction Manual for the router.
2. Always plug the router into the switched outlet in the router table. Never plug a router-table-mounted router into another power source.
3. Make sure the router-table switch is off. Lock the router switch in the ON position.
4. Reconfirm that all router adjustments are securely locked before supplying power to the router.
5. Plug the power cord for the router table into a power source.
6. Turn on the power to the router table by pulling up on the ON/OFF switch.
7. Always control the power to the router with the switch on the router table whenever the router is mounted on the table.
8. Adjust the fence to support the workpiece to be cut.

NOTE: The workpiece must always be held tightly against the fence.

9. Always feed the workpiece from right to left.



WARNING!

The direction of feed for the workpiece is always against the sharp edges of the cutter, and into the rotation of the cutter. When installed in a router table, the direction of cutter rotation is counter-clockwise. Failure to follow this rule can result in serious personal injury.

Adjusting depth and height of cut (fig 19)

1. Unplug the router table.
2. Select a board that is smooth and straight, with good square edges.
3. Mark lines "A" and "B" on the end of the board, as shown in Detail 19.
 - Line "A" indicates the desired height of cut.
 - Line "B" indicates the desired final depth of cut.
 - The area outlined by "A," "B" and the edge of the board is the area that will be cut away.
4. If the desired depth of cut can be cut in a single pass, loosen the fence clamping knobs and move the fence forward or backward until the outermost cutting edge of the router bit is aligned with line "B".

NOTE: Never cut more than 1/8 inch deep with a single pass.

NOTE: For deeper cuts, do NOT attempt to make the cut in a single pass. Make multiple shallower cuts passes, progressively moving the fence backward until the desired depth of cut is reached.

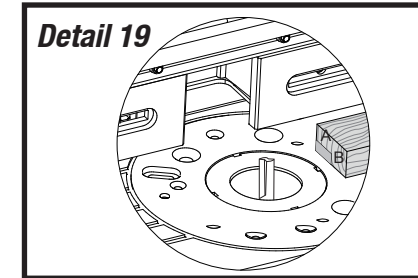
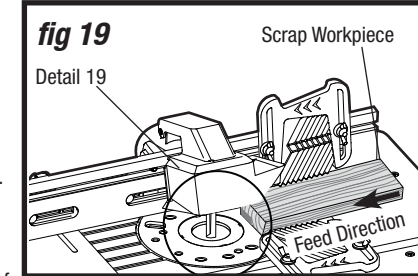
5. Use the scales on the tabletop as a guide to align the fence; then securely tighten both fence clamping knobs.



WARNING!

Always make sure that the fence and guard cannot come in contact with the router bit. Failure to do so will result in damage to the router table and can cause personal injury.

6. Following the instructions that came with your router, adjust the router height of cut until the top of the router bit lines up with line "A."
7. Once all adjustments have been made, double-check that:
 - The router is securely tightened in the router base.
 - The router bit is securely tightened in the router collet.
 - The router base is securely tightened to the router mounting plate.
8. Remove the board from the table.



NOTE: When making adjustments, use a piece of scrap wood to make trial cuts before making the cut with the actual workpiece.

Using the starter pin for edge forming of curves (fig 20)

The starter pin is used for operations that involve routing curves in the workpiece.



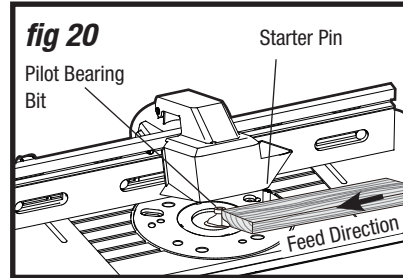
WARNING!

Always use the guard when routing with the starter pin. Keep fingers away from bit. Do not attempt to route small workpieces. Serious injury can occur if you contact the bit.

NOTE: When using the starter pin, the feed direction of the workpiece is always right to left across the front of the pin.

NOTE: When edging curves or complex shapes you must use bits that have pilot bearings.

1. Turn off the router table switch and unplug the router table.
2. Screw the starter pin into the mounting plate.
3. Adjust depth and height of cut. Set the workpiece against the front of the starter pin and rotate it slowly into the bit. While routing, make sure that the workpiece is always in contact with the bit's pilot bearing.



WARNING!

To ensure safety and reliability, all repairs should be performed by a qualified service technician.



WARNING!

When servicing, use only identical replacement parts. The use of any other parts may create a hazard or cause damage to the product.



WARNING!

Unplug the router from the power source before cleaning or performing any maintenance.

Before each use:

- Inspect the router, the switch, and the cord for damage.
- Check for damaged, missing, or worn parts.
- Check for loose screws, misalignment or binding of moving parts, or any other condition that may affect the operation.
- If abnormal vibration or noise occurs, turn the router off immediately, and have the problem corrected before further use.

If the supply cord is damaged, it must be replaced by a specially prepared cord available through the service organization.

Using compressed air may be the most effective cleaning method. Always wear safety goggles when cleaning tools using compressed air.



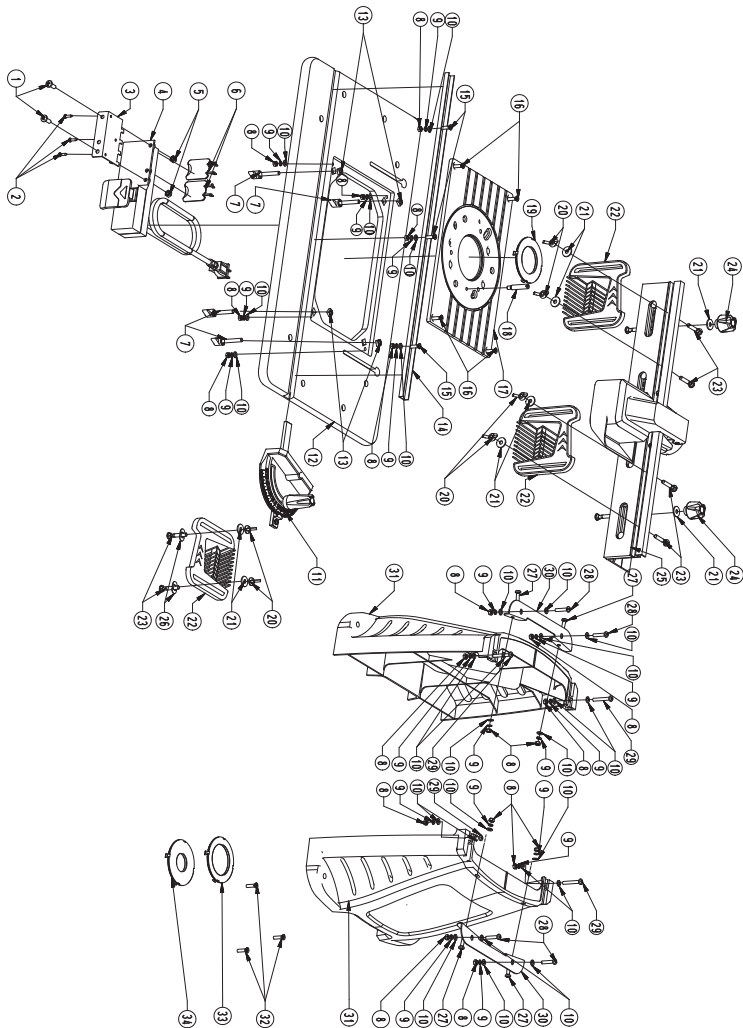
WARNING!

Do not allow brake fluids, gasoline, petroleum-based products, penetrating oil, etc. to come into contact with plastic parts. These substances contain chemicals that can damage, weaken, or destroy plastic.

| PROBLEM | POSSIBLE CAUSES | SOLUTIONS |
|--|--|--|
| The router does not work | The router is not plugged into the router table outlet | Plug the power cord from the router into the router table outlet |
| | The power cord for the router table is not connected to a power source | Plug the power cord for the router table into a power source |
| | The switch on the router table is in the "OFF" position | Insert the key and pull the switch to the "ON" position |
| The table surface is not flat | The legs are not properly assembled | Check assembly directions, and tighten all fasteners securely |
| | The work surface is not flat | Place the router table on a flat, level surface |
| The router cannot be attached to the table | The sub-base is still on the router base | Remove the plastic sub-base from the router base |

If the problem remains unsolved after performing the checks described above, call the toll-free helpline at 1-800-689-9928.

Exploded view



| No. Part No. | Description | No. Part No. | Description |
|---------------|-------------------------------|---------------|------------------|
| 1 5620369000 | Screw | 18 3550846000 | Fulcrum Pin |
| 2 5610023000 | Tapping Screw | 19 3123246000 | Tabletop Insert |
| 3 3703940000 | Support | 20 5630056000 | Wing Nut |
| 4 2822230000 | Switch Box Assembly | 21 5650017000 | Plain Washer |
| 5 5630015000 | Prevailing Torque Hexagon Nut | 22 3123929000 | Feather Board |
| 6 3123547000 | Dust Cover | 23 5640168000 | Square Neck Bolt |
| 7 5640021000 | Lock Bolt | 24 3402187000 | Fence Knob |
| 8 5630003000 | Hexagon Nut | 25 2823204000 | Fence Assembly |
| 9 5650015000 | Spring Washer | 26 5650258000 | Plain Washer |
| 10 5650013000 | Plain Washer | 27 5620051000 | Screw |
| 11 2822231000 | Mitre Gauge Assembly | 28 5620052000 | Screw |
| 12 3705084000 | Main Table | 29 5620372000 | Screw |
| 13 5630010000 | Square Nut | 30 3703939000 | Support |
| 14 3705083000 | Guiding Block | 31 3123235000 | Support Leg |
| 15 5620075000 | Screw | 32 5620075000 | Screw |
| 16 5620076000 | Screw | 33 3123288000 | Tabletop Insert |
| 17 3421251000 | Main Table | 34 3123289000 | Tabletop Insert |

If any parts are missing or damaged, or if you have any questions, please call the Toll-free Helpline, at 1-800-689-9928.



This Mastercraft product is guaranteed against defects in workmanship and materials for a period of **3 years from the date of original retail purchase**, with the exception of the following components:

- a) Component A: Batteries, chargers and carrying case, which are guaranteed against defects in workmanship and materials for a period of 2 years from the date of original retail purchase;
- b) Component B: Accessories, which are guaranteed against defects in workmanship and materials for a period of 1 year from the date of original retail purchase.

Subject to the conditions and limitations described below, this product, if returned to us with proof of purchase within the stated warranty period, and if covered under this warranty, will be repaired or replaced (with the same model or one of equal value or specification), at our option. We will bear the cost of any repair or replacement and any labour costs relating thereto.

This warranty is subject to the following conditions and limitations:

- a) A bill of sale verifying the purchase and purchase date must be provided;
- b) This warranty will not apply to any product or part thereof that is worn or broken, or that has become inoperative due to abuse, misuse, accidental damage, neglect or lack of proper installation, operation or maintenance (as outlined in the applicable instruction manual or operating instructions), or that is being used for industrial, professional, commercial or rental purposes;
- c) This warranty will not apply to normal wear and tear or to expendable parts or accessories that may be supplied with the product and that are expected to become inoperative or unusable after a reasonable period of use;
- d) This warranty will not apply to routine maintenance and consumable items, including but not limited to fuel, lubricants, vacuum bags, blades, belts, sandpaper, bits, fluids, tune-ups or adjustments;

- e) This warranty will not apply where damage is caused by repairs made or attempted by others (i.e.: persons not authorized by the manufacturer);
- f) This warranty will not apply to any product that was sold to the original purchaser as a reconditioned or refurbished product (unless otherwise specified in writing);
- g) This warranty will not apply to any product or part thereof if any part from another manufacturer is installed therein or if any repairs or alterations have been made or attempted by unauthorized persons;
- h) This warranty will not apply to normal deterioration of the exterior finish, including but not limited to scratches, dents, paint chips, or to any corrosion or discolouring by heat, abrasive and chemical cleaners; and
- i) This warranty will not apply to component parts sold by and identified as the product of another company, which shall be covered under the product manufacturer's warranty, if any.

Additional Limitations

This warranty applies only to the original purchaser, and may not be transferred. Neither the retailer nor the manufacturer shall be liable for any other expense, loss or damage, including but not limited to any indirect, incidental, consequential or exemplary damages arising in connection with the sale, use or inability to use this product.

Notice to Consumer

This warranty gives you specific legal rights, and you may have other rights, which may vary from province to province. The provisions contained in this warranty are not intended to limit, modify, take away from, disclaim or exclude any statutory warranties set forth in any applicable provincial or federal legislation.

IMPORTED BY MASTERCRAFT CANADA TORONTO, CANADA M4S 2B8