

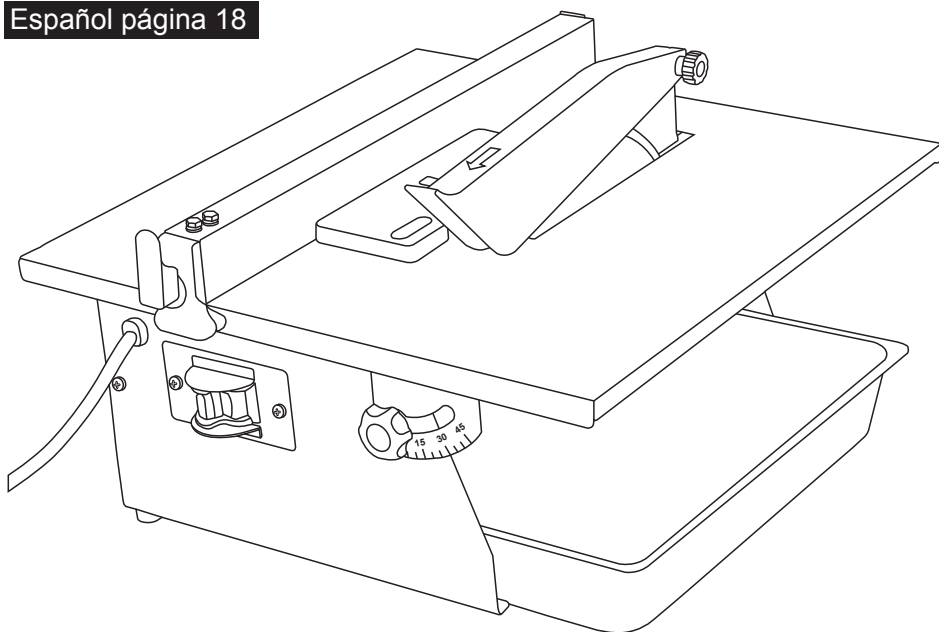
PaceSetter

4.8 A

**7 in.
180 mm**

Portable Tile Saw

Español página 18



ATTACH YOUR RECEIPT HERE

Serial Number _____

Purchase Date _____

MNL_G02771_V02_20170328



Questions, problems, missing parts? Before returning to your retailer, call our customer service department at 1-877-876-7562, 8 a.m. - 5 p.m., CST, Monday - Friday.

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IMPORTANT SAFETY INFORMATION

General 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.

1. **KEEP GUARDS IN PLACE and in working order.**
2. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
3. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
4. **DON'T USE IN DANGEROUS ENVIRONMENT.** Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.
5. **KEEP CHILDREN AWAY.** All visitors should be kept safe distance from work area.
6. **MAKE WORKSHOP KID PROOF** with padlocks, master switches, or by removing starter keys.
7. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
8. **USE RIGHT TOOL.** Don't force tool or attachment to do a job for which it was not designed.

**Table A: RECOMMENDED MINIMUM WIRE GAUGE FOR
EXTENSION CORDS (120 VOLT)**

NAMEPLATE AMPERES (at full load)	EXTENSION CORD LENGTH			
	25'	50'	100'	150'
0 – 6	18	16	16	14
6.1 – 10	18	16	14	12
10.1 – 12	16	16	14	12
12.1 – 16	14	12	Do not use.	

9. **USE PROPER EXTENSION CORD.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating.

GENERAL TOOL SAFETY WARNINGS

Table A shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.

- 10. WEAR PROPER APPAREL.** Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.
- 11. ALWAYS USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
- 12. SECURE WORK.** Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool.
- 13. DON'T OVERREACH.** Keep proper footing and balance at all times.
- 14. MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- 15. DISCONNECT TOOLS** before servicing; when changing accessories, such as blades, bits, cutters, and the like.
- 16. REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure switch is in off position before plugging in.
- 17. USE RECOMMENDED ACCESSORIES.** Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.
- 18. NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
- 19. CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function – check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
- 20. DIRECTION OF FEED.** Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
- 21. NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF.** Don't leave tool until it comes to a complete stop.

GROUNDING INSTRUCTIONS



WARNING

To prevent electric shock and death from incorrect grounding wire connection read and follow these instructions:

110-120 V~ Grounded Tools: Tools with Three Prong Plugs

1. 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 tool is equipped with an electric cord having 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.
2. Do not modify the plug provided – if it will not fit the outlet, have the proper outlet installed by a qualified electrician.
3. Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.
4. 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.
5. Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool's plug.
6. Repair or replace damaged or worn cord immediately.
7. This tool is intended for use on a circuit that has an outlet that looks like the one illustrated above in **Figure A: 125 V~ 3-Prong Plug and Outlet**. The tool has a grounding plug that looks like the plug illustrated above in **Figure A: 125 V~ 3-Prong Plug and Outlet**.
8. The outlet must be properly installed and grounded in accordance with all codes and ordinances.
9. Do not use an adapter to connect this tool to a different outlet.

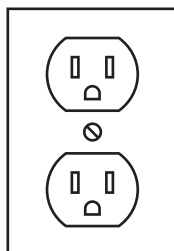
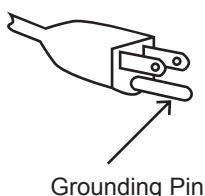


Figure A: 125 V~ 3-Prong Plug and Outlet(for up to 125 V~ and up to 15 A)

TILE SAW SAFETY WARNINGS

1. For Your Own Safety Read Instruction Manual Before Operating Saw
2. Wear eye protection.
3. Use saw-blade guard and spreader for every operation for which it can be used, including all through sawing.
4. Keep hands out of the line of saw blade.
5. Use an appropriate push-stick when required.
6. Know how to reduce risk of kickback.
7. Do not perform any operation freehand.
8. Never reach around or over saw blade.
9. Make sure the workpiece is supported at all times while sawing. Use a roller stand (not provided) with larger workpieces if necessary.
10. To properly understand all safety warnings, be familiar with the following safety terms and equipment:
 - a. Featherboard – A block with “fingers” that hold the workpiece against the fence while sawing.
 - b. Through-sawing – A cut made from one side of a tile to the opposite side, without stopping.
 - c. Push-stick – A narrow strip of wood or other soft material with a notch cut into one end and which is used to push short pieces of material through saws. It provides a safe distance between the hands and the cutting tool. Must be narrower than the cut width to prevent contact with the blade.
 - d. Freehand – Feeding a workpiece through the saw without using a fence or guided support to guide it. **NOT A SAFE METHOD.**
 - e. Kerf – The gap made by the saw in the workpiece.
 - f. Kickback – A sudden reaction to a pinched, bound, or misaligned blade, causing an uncontrolled workpiece to lift up and out of the saw toward the operator.
 - g. Spreader – A metal plate that follows the saw blade to keep the kerf (gap) from closing on the saw blade. Spreaders, except riving knives, must be aligned to the blade after blade adjustment to prevent binding.
 - h. Riving Knife – A spreader mounted on the same mechanism as the blade. Generally more effective than simple spreaders.

TILE SAW SAFETY WARNINGS

11. As noted previously, Kickback is a sudden reaction to a pinched, bound, or misaligned blade, causing an uncontrolled workpiece to lift up and out of the saw toward the operator. Kickback is usually a result of tool misuse and can be limited or avoided by following the precautions below:
 - Fence must be completely parallel to the saw blade.
 - Workpiece must be free from flaws and from foreign objects (such as nails and screws).
 - Support large workpieces along their entire length. Large workpieces tend to bend, grabbing the blade.
 - Do not use a dull or damaged blade.
 - Maintain control of the workpiece. Do not allow the workpiece to rest against the moving blade without holding onto it.
 - If the blade binds or a cut is interrupted, turn off the power switch and hold the workpiece still until the blade stops. Correct the cause of blade binding before proceeding.
 - Before continuing an unfinished cut, center the blade in the pre-cut kerf and check that the saw teeth are not engaged into the workpiece before turning on the saw.
 - Push the workpiece past the blade prior to release.
12. Check the guard for proper operation with saw disconnected from power before each use. Do not disable any guard. Do not operate saw if any movable guard does not move freely and close instantly. Make sure any movable guard does not touch the blade in all angles, depths of cut, and positions.
13. Keep the guard in place while through-sawing. Verify that the spreader lines up with the blade to prevent binding.
14. Construct an appropriate Push Stick out of wood according to the guidelines on the following page.
15. **DO NOT OPERATE WITH ANY GUARD DISABLED, DAMAGED, OR REMOVED.** Moving guards must move freely and close instantly.
16. The use of accessories or attachments not recommended by the manufacturer may result in a risk of injury to persons.
17. When servicing use only identical replacement parts.
18. Only use safety equipment that has been approved by an appropriate standards agency. Unapproved safety equipment may not provide adequate protection. Eye protection must be ANSI-approved and breathing protection must be NIOSH-approved for the specific hazards in the work area.

TILE SAW SAFETY WARNINGS

19. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
20. Industrial applications must follow OSHA guidelines.
21. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
22. Avoid unintentional starting.
Prepare to begin work before turning on the tool.
23. People with pacemakers should consult their physician(s) before use.
Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.

POSITION OF TILE SAW

1. To avoid the possibility of the tool plug or receptacle getting wet, position tile saw to one side of a wall mounted receptacle to prevent water from dripping onto the receptacle or plug. The user should arrange a “drip loop” in the cord connecting the saw to a receptacle. The “drip loop” is that part of the cord below the level of the receptacle, or the connector if an extension cord is used, to prevent water traveling along the cord and coming in contact with the receptacle.

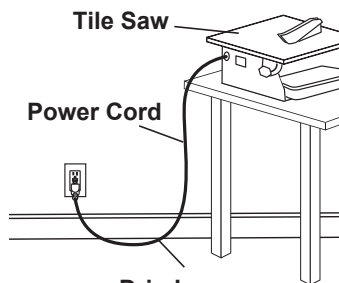
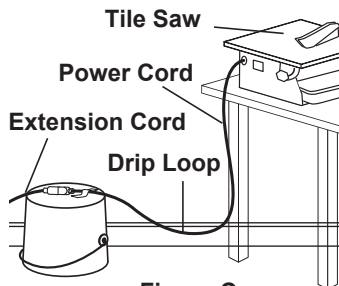


Figure B: Drip Loop

2. If the plug or receptacle does get wet, DON'T unplug the cord. Disconnect the fuse or circuit breaker that supplies power to the tool.
Then unplug and examine for presence of water in the receptacle.
3. If an extension cord is used, the drip loop must be before the cord connection and the extension cord connection must be placed on an elevated surface.
4. Use only extension cords that are intended for outdoor use. These extension cords are identified by a marking “Acceptable for use with outdoor tools; store indoors while not in use.” Use only extension cords having an electrical rating not less than the rating of the product. Do not use damaged extension cords.



**Figure C:
Extension Cord Drip Loop**

POSITION OF TILE SAW

Examine extension cord before using and replace if damaged. Do not abuse extension cords and do not yank on any cord to disconnect. Keep cord away from heat and sharp edges. Always disconnect the extension cord from the receptacle before disconnecting the product from the extension cord.

5. **WARNING** – To reduce the risk of electrocution, keep all connections dry and off the ground. Do not touch plug with wet hands.
6. Ground Fault Circuit Interrupter (GFCI) protection should be provided on the circuit(s) or outlet(s) to be used for the tile saw. Receptacles are available having built-in GFCI protection and may be used for this measure of safety.
7. **WARNING:** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities, contains chemicals known [to the State of California] to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
 - Lead from lead-based paints
 - Crystalline silica from bricks and cement or other masonry products
 - Arsenic and chromium from chemically treated lumberYour risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles. (California Health & Safety Code § 25249.5, et seq.)
8. **WARNING:** Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling. (California Health & Safety Code § 25249.5, et seq.)
9. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

VIBRATION SAFETY

This tool vibrates during use. Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders. To reduce the risk of vibration-related injury:

1. Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this tool. If you feel any medical or physical symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.

VIBRATION SAFETY

2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
3. Use tools with the lowest vibration when there is a choice between different processes.
4. Include vibration-free periods each day of work.
5. Grip tool as lightly as possible (while still keeping safe control of it). Let the tool do the work.
6. To reduce vibration, maintain the tool as explained in this manual. If any abnormal vibration occurs, stop use immediately.

SAFETY SYMBOLS



Conforms to United States
and Canadian standards



Wear ear protection



Read instructions before use



Wear eye protection



Risk of electric shock



Wear suitable face mask



Risk of injury when
instructions are not followed



Wear gloves



Wet conditions alert

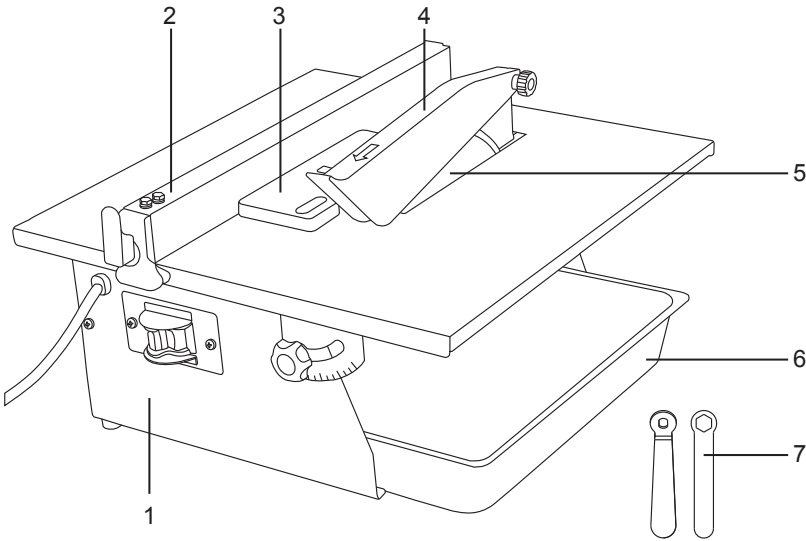


Waste electrical products
should not be disposed of
with household waste

SPECIFICATIONS

Code	G02771
Model	TC180G
Voltage	120V~ 60Hz 4.8AMP
No load speed	3550 RPM
Insulation class	Class I
Dimensions of the diamond disc	7" x 5/8"(180 x 16 mm)
Working table size	15-1/4" x 15-5/8" (385 x 395 mm)
Maximum cutting depth	1-2/5" (35 mm) at 90°
Max. workpiece thickness for 45° jolly cut	1" (24 mm)
Net weight	25.4 lbs (11.5 kg)

PACKAGE CONTENTS



PART	DESCRIPTION	QUANTITY
1	Tile saw (assembled)	1
2	Rip Fence	1
3	Miter Guide	1
4	Upper Blade Guard (assembled)	1
5	Saw Blade (assembled)	1
6	Water Tray	1
7	Spanners	2

SETUP - BEFORE USE:

! Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

! WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:

Turn the Power Switch of the tool to its "OFF" position, remove the Safety Lock and unplug the tool from its electrical outlet before assembling or making any adjustments to the tool.

TOOL SET UP

TO PREVENT SERIOUS INJURY:

DO NOT OPERATE WITH ANY GUARD DISABLED, DAMAGED, OR REMOVED. Moving guards must move freely and close instantly.

Installing the Blade

1. Unthread the two Screws holding the Lower Blade Guard in place. Remove the Screws, Washers and Lower Blade Guard.

2. Slide the Hex Wrench onto the Hex Nut and the Slotted Wrench onto the Spindle.

3. Hold the Spindle in place with the Slotted Wrench while unthreading the Hex Nut with the Hex Wrench.

4. Remove the Hex Nut, Outer Flange and old blade (if in place). Keep the Inner Flange in place.

5. Slide the new Blade and the Outer Flange onto the Spindle.

6. Thread the Hex Nut onto the Spindle and tighten in place with the wrenches.

7. Replace the Lower Blade Guard and secure in place with the Washers and Screws.

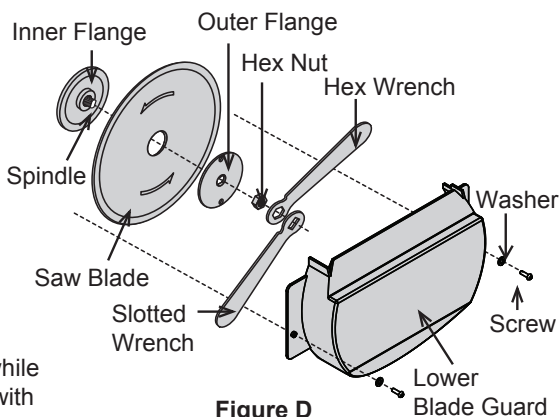


Figure D

INSTALLING/ADJUSTING THE RIP FENCE

1. Place the Rip Fence on the Table Top to the left of the Blade.
2. Pull up on the Lock Lever, slide the Rip Fence to the desired location, then press the Lock Lever down to lock the Rip Fence in place on the Table Top.

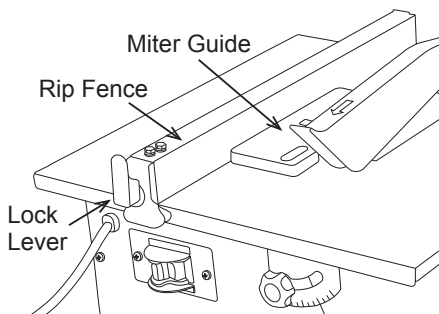


Figure E

POSITIONING THE MITER GUIDE

Place the Miter Guide against the Rip Fence.

WORK PIECE AND WORK AREA SET UP

1. Designate a work area that is clean and well-lit. The work area must not allow access by children or pets to prevent distraction and injury.
2. Route the power cord along a safe route to reach the work area without creating a tripping hazard or exposing the power cord to possible damage. The power cord must reach the work area with enough extra length to allow for a drip loop.
3. Make sure that the Base is on a steady level work surface so the water level of the tank can be accurately measured and maintained.
4. There must not be objects, such as utility lines, nearby that will present a hazard while working.
5. Keep workpieces pressed firmly against the Table and Fence while cutting.
6. Mark cut lines using waterproof marker or crayon.

GENERAL OPERATING INSTRUCTIONS

1. Install the Blade and check that the Upper and Lower Blade Guards are in place.
2. Fill the Water Tray to the Maximum Fill line on the sides of the Tray and slide it under the Lower Blade Guard, raising the tool slightly to allow the Water Tray to fit. Check that the water level is between the MIN and MAX on the Lower Blade Guard and adjust if needed.

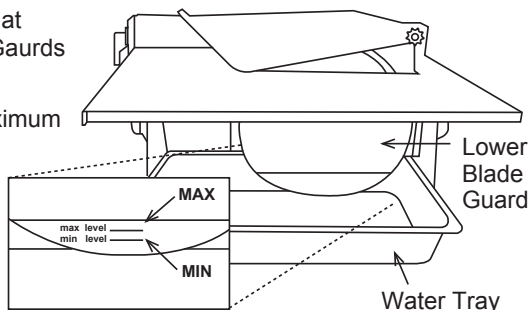


Figure F

GENERAL OPERATING INSTRUCTIONS

CAUTION: Do not operate the Tile Saw with too little or too much water in the Water Tank. Keep the water level between the minimum and maximum level markings on the Lower Blade Guard.

3. For Straight/Miter Cuts:

- Install the Rip Fence on the Table Top with or without the Miter Gauge.
- Place the workpiece on the Table and firmly against the Miter Gauge and/or Rip Fence.
- Make sure the workpiece is clear of the Blade, then dry your hands, plug in the Saw, insert the Safety Lock and turn the Power Switch ON.
- Let the Blade build up to full speed before cutting.
- Hold the material firmly against the Rip Fence and feed the material into the Blade.
- When the cut is made, turn the Saw OFF. Wait for the Blade to come to a complete stop before removing any part of the workpiece.

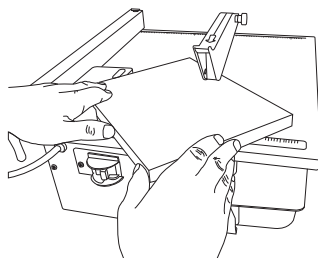


Figure G: Straight Cuts

4. For Bevel Cuts:

- Adjust the location of the Rip Fence if needed.
- Loosen the two Bevel Lock Knobs on the front and back of the table Base and tilt the table to the desired angle.
- Tighten the Bevel Lock Knobs to secure the Table Top.
- Place the workpiece against the Miter Gauge and/or Rip Fence.
- Make sure the workpiece is clear of the Blade, then dry your hands, plug in the Saw, insert the Safety Lock and turn the Power Switch ON.
- Let the Blade build up to full speed before cutting.
- Hold the material steadily against the Rip Fence and feed the material into the Blade.
- When the cut is made, turn the Saw OFF. Wait for the Blade to come to a complete stop before removing any part of the workpiece.

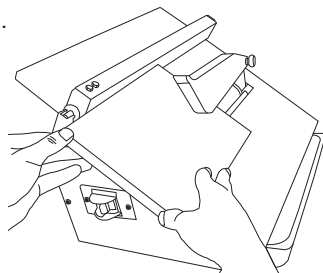


Figure H: Bevel Cuts

- To prevent accidents, turn off the tool, remove the Safety Lock, and disconnect its power supply after use. Lift the tool slightly and slide out the Water Tray. Empty the Water Tray, clean out silt and mud. Clean, then store the tool indoors out of children's reach.

MAINTENANCE AND SERVICING



Procedures not specifically explained in this manual must be performed only by a qualified technician.



WARNING


TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:

Turn the Power Switch of the tool to its "OFF" position, remove the Safety Lock and unplug the tool from its electrical outlet before performing any inspection, maintenance, or cleaning procedures.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:

Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

CLEANING, MAINTENANCE, AND LUBRICATION

1. **BEFORE EACH USE**, inspect the general condition of the tool. Check for loose hardware, misalignment or binding of moving parts, cracked or broken parts, damaged electrical wiring, and any other condition that may affect its safe operation.
2. **AFTER USE**, wipe external surfaces of the tool with clean cloth.
3.  **WARNING!** If the supply cord of this power tool is damaged, it must be replaced only by a qualified service technician.

TROUBLESHOOTING

Problem	Possible Causes	Likely Solutions
Tool will not start.	<ol style="list-style-type: none">1. Cord not connected.2. No power at outlet.3. Tool's thermal reset breaker tripped (if equipped).4. Internal damage or wear. (Carbon brushes or switch, for example.)	<ol style="list-style-type: none">1. Check that cord is plugged in.2. Check power at outlet. If outlet is unpowered, turn off tool and check circuit breaker. If breaker is tripped, make sure circuit is right capacity for tool and circuit has no other loads.3. Turn off tool and allow to cool. Press reset button on tool.4. Have technician service tool.
Tool operates slowly.	Extension cord too long or wire size too small.	Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load. See Table A on page 3.

TROUBLESHOOTING

Problem	Possible Causes	Likely Solutions
Performance decreases over time.	<ol style="list-style-type: none"> 1. Accessory dull or damaged. 2. Carbon brushes worn or damaged. 	<ol style="list-style-type: none"> 1. Keep cutting accessories sharp. Replace as needed. 2. Have qualified technician replace brushes.
Excessive noise or rattling.	<ol style="list-style-type: none"> 1. Belt (if equipped) too loose (slipping) or too tight (bearing damage). 2. Internal damage or wear. (Carbon brushes or bearings, for example.) 	<ol style="list-style-type: none"> 1. Properly tension belt. 2. Have technician service tool.
Overheating.	<ol style="list-style-type: none"> 1. Forcing machine to work too fast. 2. Accessory misaligned. 3. Accessory dull or damaged. 4. Blocked motor housing vents. 5. Motor being strained by long or small diameter extension cord. 	<ol style="list-style-type: none"> 1. Allow machine to work at its own rate. 2. Check and correct accessory to fence and/or table alignment. 3. Keep cutting accessories sharp. Replace as needed. 4. Wear ANSI-approved safety goggles and NIOSH-approved dust mask/respirator while blowing dust out of motor using compressed air. 5. Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load. See Table A on page 3.



Follow all safety precautions whenever diagnosing or servicing the tool.
Disconnect power supply before service.

6 MONTHS LIMITED WARRANTY

The manufacturer warrants this item against defects in materials and workmanship for 6 months from the date of purchase. If within this period the product is found to be defective in material or workmanship, the manufacturer will, at its option, repair, replace or refund the original purchase price to the customer. Please keep the original sales receipt as proof of purchase and call 1-877-876-7562, 8 a.m. – 5 p.m., CST, Monday – Friday for warranty service.

This warranty is void if product is used for commercial purposes. This warranty is not transferable and does not cover products damaged by misuse, neglect, accident, alterations or use and maintenance other than that specified in the owner's manual. This warranty does not apply to any expendable parts that can wear from normal use.

As some states do not allow exclusions or limitations on an implied warranty, the above exclusions and limitations may not apply to you. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.