

BENCHMARKTM MC

10" COMPACT TABLE SAW 1346-602



5 Year Limited Warranty



**READ ALL INSTRUCTIONS BEFORE FIRST USE.
KEEP THIS MANUAL FOR FUTURE REFERENCE.
KEEP AWAY FROM CHILDREN.**



**WEAR CSA APPROVED
EYE PROTECTION**



**WEAR EAR
PROTECTION**



**WEAR A FACE
MASK**

PRODUCT SPECIFICATIONS

10" COMPACT TABLE SAW	
Motor	120V~ 60 Hz, 15 Amp
Blade Diameter	10" (254mm) 40T Carbide Tipped
No Load Speed	4,800 RPM
Arbor Size	5/8" (16mm)
Rip Capacity	24 1/2"
Maximum cutting angle	45°
Max Cutting Depth	Crosscut @ 90° – 3-1/8" (8cm) Bevel Cut @ 45° – 2" (5cm)
Table Dimension	22" (56cm) x 20" (51cm)
Table Dimension (maximum extension)	22" (56cm) x 26-5/8" (67.6cm)
Cord	10 foot (3 metre) SJ Rubberized
Replacement Blade	1221-026
Weight	66 Lb (30kg)

NEED ASSISTANCE?

Call us on our toll- free customer support line:
1-866-349-8665 (Monday through Friday 9am – 5pm
Eastern Standard Time)

- Technical questions
- Replacement parts
- Parts missing from package

TABLE OF CONTENTS

Product Specifications.....1
Table of Contents.....2
General Safety Warnings.....3-5
Specific Safety Rules.....5-6
Symbols.....7
Extension Cord Safety.....8
Know Your Compact Table Saw.....9
Assembly and Operation.....10-15
Maintenance.....16
Explosion Drawing.....17
Parts List.....18-23
Warranty.....24

GENERAL SAFETY WARNINGS



WARNING:

Before using this tool or any of its accessories, read this manual and follow all Safety Rules and Operating Instructions. The important precautions, safeguards and instructions appearing in this manual are not meant to cover all possible situations. It must be understood that common sense and caution are factors which cannot be built into the product.

SYMBOL	MEANING
<div data-bbox="204 607 496 663" style="background-color: #cccccc; padding: 5px; border: 1px solid black;"> DANGER </div> <div data-bbox="280 698 419 763" style="text-align: center;"> </div> <div data-bbox="296 797 403 902" style="text-align: center;"> </div>	<p>ALWAYS WEAR EYE PROTECTION THAT CONFORMS WITH CSA Z94.3 or ANSI SAFETY STANDARD Z87.1</p> <p>FLYING DEBRIS can cause permanent eye damage. Prescription eyeglasses ARE NOT a replacement for proper eye protection.</p> <p>Non-compliant eyewear can cause serious injury if broken during the operation of a power tool.</p>
<div data-bbox="188 954 507 1010" style="background-color: #cccccc; padding: 5px; border: 1px solid black;"> WARNING </div> <div data-bbox="288 1048 368 1126" style="text-align: center;"> </div>	<p>Use hearing protection, particularly during extended periods of operation of the tool, or if the operation is noisy.</p>
<div data-bbox="164 1227 523 1283" style="background-color: #cccccc; padding: 5px; border: 1px solid black;"> WARNING </div> <div data-bbox="231 1328 403 1462" style="text-align: center;"> </div>	<p>WEAR A DUST MASK THAT IS DESIGNED TO BE USED WHEN OPERATING A POWER TOOL IN A DUSTY ENVIRONMENT.</p> <p>Dust that is created by power sanding, sawing, grinding, drilling, and other construction activities may contain chemicals that are known to cause cancer, birth defects, or other genetic abnormalities.</p> <p>These chemicals include:</p> <ul style="list-style-type: none"> • Lead from lead-based paints • Crystalline silica from bricks, cement, and other masonry products • Arsenic and chromium from chemically treated lumber <p>the level of risk from exposure to these chemicals varies, according to how often this type of work is performed. In order to reduce exposure to these chemicals, work in a well-ventilated area, and use approved safety equipment, such as a dust mask that is specifically designed to filter out microscopic particles.</p>

READ ALL INSTRUCTIONS



WARNING! Read and understand all instructions before using this tool. The operator must follow basic precautions to reduce the risk of personal injury and/or damage to the equipment.

1. KNOW YOUR TOOL

Read and understand the owners manual and labels affixed to the tool. Learn its application and limitations as well as its specific potential hazards.

2. KEEP GUARDS IN PLACE.

Keep in good working order, properly adjusted and aligned.

3. REMOVE ADJUSTING KEYS AND WRENCHES.

Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.

4. KEEP WORK AREA CLEAN.

Cluttered areas and benches invite accidents. Make sure the floor is clean and not slippery due to wax and sawdust build-up.

5. AVOID DANGEROUS ENVIRONMENT.

Don't use power tools in damp or wet locations or expose them to rain. Keep work area well lit and provide adequate surrounding work space.

6. KEEP CHILDREN AWAY.

All visitors should be kept a safe distance from work area.

7. MAKE WORKSHOP CHILD-PROOF.

Make workshop child-proof with padlocks, master switches or by removing starter keys.

8. USE PROPER SPEED.

A tool will do a better and safer job when operated at the proper speed.

9. USE RIGHT TOOL.

Don't force the tool or the attachment to do a job for which it was not designed.

10. WEAR PROPER APPAREL.

Do not wear loose clothing, gloves, neckties or jewelry (rings, watch) because they could get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair. Roll up long sleeves above the elbows.

11. ALWAYS WEAR SAFETY GLASSES.

Always wear safety glasses (ANSI Z87.1). Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses. Also use a face or dust mask if operation is dusty.

12. DON'T OVERREACH.

Keep proper footing and balance at all times.

13. MAINTAIN TOOL WITH CARE.

Keep tools sharp and clean for best and safest performance.
Follow instructions for lubricating and changing accessories.

14. DISCONNECT TOOLS.

Before servicing, when changing accessories or attachments.

15. AVOID ACCIDENTAL STARTING.

Make sure the switch is in the "OFF" position before plugging in.

16. USE RECOMMENDED ACCESSORIES.

Consult the manual for recommended accessories. Follow the instructions that accompany the accessories. The use of improper accessories may cause hazards.

17. NEVER STAND ON TOOL.

Serious injury could occur if the tool tips over. Do not store materials such that it is necessary to stand on the tool to reach them.

18. CHECK DAMAGED PARTS.

Before further use of a tool, the guard or other parts should be carefully checked to ensure that they will operate properly and perform their intended function. Check for alignment of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other parts that are damaged should be properly repaired or replaced.

19. NEVER LEAVE MACHINE RUNNING UNATTENDED.

Turn power "OFF". Don't leave any tool running until it comes to a complete stop.

SERVICE

Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

SPECIFIC SAFETY RULES



WARNING! DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to the tool safety rules. If you use this tool unsafely or incorrectly, you can suffer serious personal injury.

DANGER! When the tool is in operation, keep hands away from the saw blade and the area it is being applied to.

Failure to follow this warning will result in amputation, serious personal injury or death

WARNING! Some surfaces contain materials which can be toxic. When working on materials that may contain lead, asbestos, copper chromium arsenate or other toxic materials, extra care should be taken to avoid inhalation and minimize skin contact.

1. ALWAYS USE THE BLADE GUARD.

Always use the blade guard and riving knife on all "thru-sawing" operations. Thru-sawing operations are those when the blade cuts completely through the workpiece as in ripping or crosscutting.

2. AVOID KICKBACKS.

Avoid kickbacks by keeping the blade sharp, the rip fence parallel to the saw blade and by keeping the riving knife and blade guard in place, aligned and functioning properly. Do not release workpiece before passing it completely behind the saw blade. Do not rip a workpiece that is twisted, warped or does not have a straight edge to guide it along the rip fence. Do not attempt to reverse out of a cut while the blade is still turning.

3. ALWAYS HOLD THE WORK.

Always hold the work firmly against the mitre gauge or fence.

4. NEVER PERFORM FREE-HAND OPERATIONS.

Never perform any operations "free-hand" which means using your hands to support or guide the workpiece. Always use either the fence or the mitre gauge to position and guide the workpiece.

5. BE MINDFUL OF BODY POSITION.

Never stand or have any part of your body in line with the path of the saw blade.

6. NEVER REACH BEHIND.

Never reach behind or over the cutting tool with either hand for any reason.

7. MOVE THE RIP FENCE.

Move the rip fence out of the way when crosscutting.

8. SUPPORT LARGE PANELS.

To minimize the risk of blade pinching and kickback, always support large workpieces.

9. REMOVE ALL ACCESSORIES FROM TABLE.

Before transporting saw, remove all accessories (mitre gauge, rip fence....). Failure to do so can result in an accident causing possible serious personal injury.

10. NEVER USE RIP FENCE AS A CUT-OFF GAUGE.

Never use the fence as a cut-off gauge when you are crosscutting. Move the rip fence out of the way.

11. STALLED BLADE.

Never attempt to free a stalled saw blade without first turning the saw OFF. If a workpiece stalls the blade, turn the saw off for safety and also to prevent damaging the motor.

12. PROVIDE ADEQUATE SUPPORT.

To the rear and sides of the table saw for wide or long workpieces.

13. AVOID AWKWARD OPERATIONS.

Avoid awkward operations and hand positions where a sudden slip could cause your hand to move into the spinning blade.

14. NEVER CUT METALS.

Never cut metals or materials that may make hazardous dust.

15. ALWAYS USE A PUSH STICK.

Always use a push stick, especially when ripping narrow workpieces. One is supplied with this saw and a pattern for making a push stick is included in this manual.

WARNING:

ALL ELECTRICAL CONNECTIONS MUST BE DONE BY A QUALIFIED ELECTRICIAN. FAILURE TO COMPLY MAY RESULT IN SERIOUS INJURY! ALL ADJUSTMENTS OR REPAIRS MUST BE DONE WITH THE MACHINE DISCONNECTED FROM THE POWER SOURCE. FAILURE TO COMPLY MAY RESULT IN SERIOUS INJURY!

SAFETY SYMBOLS



WARNING: Some of the following symbols may appear on your tool. Study these symbols and learn their meaning. Proper interpretation of these symbols will allow for more efficient and safer operation of this tool.

V	Volts	3~	Three-phase alternating current with neutral
A	Amperes		
Hz	Hertz	— — —	Direct current
W	Watts	no	No load speed
kW	Kilowatts	~	Alternating or direct current
μ F	Microfarads	□	Class II construction
L	Litres	⚠	Splash-proof construction
kg	Kilograms	💧	Watertight construction
H	Hours	⏚	Protective grounding at terminal, Class I tools
N/cm ²	Newtons per square centimeter	.../min	Revolutions or reciprocations per minute
Pa	Pascals	∅	Diameter
Min	Minutes	0	Off position
S	Seconds	➔	Directional arrow
~ or AC	Alternating current	⚠	Warning symbol
3~	Three-phase alternating current	⚠	Wear your safety glasses



This symbol designates that this tool is listed with Canadian and U.S. requirements by CSA

"CAN/CSA-C22.2 NO. 62841-3-1:16 + Update 1 used in conjunction with CAN/CSA-C22.2 No. 62841-1-15 + Update 1, 2"

"ANSI/UL 62841-3-1:1st Edition (September 29, 2017) used in conjunction with ANSI/UL 62841-1, 1st Edition (April 13, 2018)"

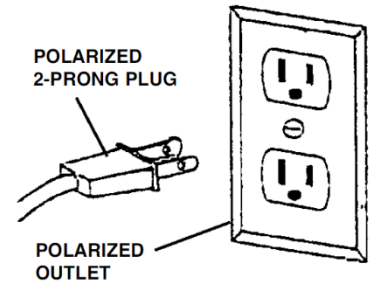
EXTENSION CORD SAFETY

WARNING: The warnings, cautions, and instructions discussed in this instruction manual can't 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.

POWER SUPPLY

WARNING: YOUR TABLE SAW MUST BE CONNECTED TO A 110V-120V, 15-AMP CIRCUIT BREAKER. FAILURE TO CONNECT IN THIS WAY CAN RESULT IN INJURY FROM SHOCK OR FIRE. 110V-120V OPERATION

As received from the factory, your Table saw is ready to run for 110V-120V operation. This Table saw is intended for use on a circuit that has an outlet and a plug which looks like the one illustrated to the right.



DOUBLE INSULATION

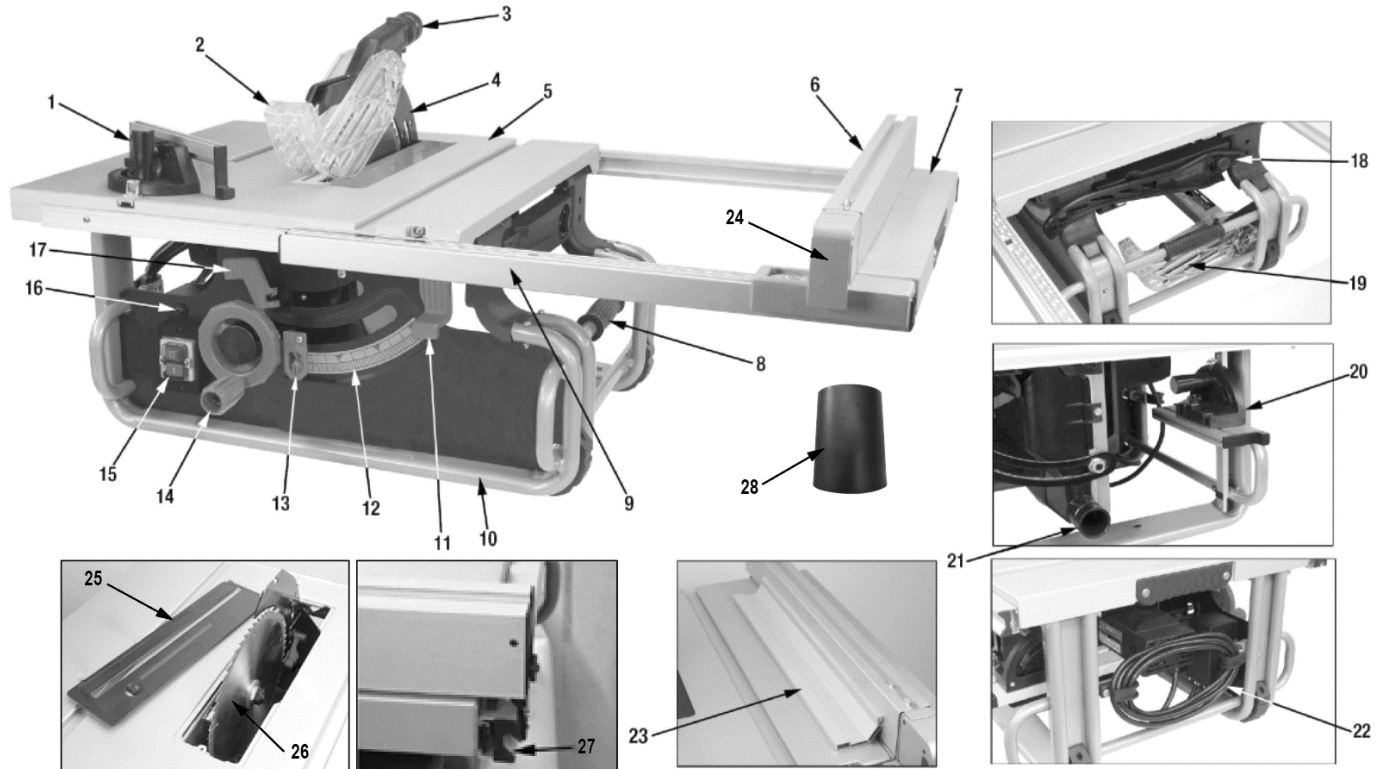
Double insulated tools are equipped with a polarized two-prong plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not alter or change the plug in any way. Double insulation eliminates the need for three wire grounded power supply and grounded power cords.

EXTENSION CORDS

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 . The following table shows the correct size to use depending on cord length and nameplate ampererating . If in doubt , use the next heavier gauge . The smaller the gauge number , the heavier the cord

MINIMUM GAUGE(AWG)EXTENSION CORDS (120V) USE ONLY					
Amperage rating		Total length			
More than	Not more than	25' (7.5 m)	50' (15 m)	100' (30 m)	150' (45 m)
	6	18	16	16	14
6	10	18	16	14	12
10	12	16	16	14	12
12	16	14	12	Not Applicable	

KNOW YOUR COMPACT TABLE SAW



- 1. Mitre gauge
- 2. Blade guard
- 3. 1-1/2" blade guard dust chute
- 4. Riving knife
- 5. Table
- 6. Rip fence
- 7. Sliding extension table
- 8. Carry handle
- 9. Extending Front rip fence rail with ruler

- 10. Heavy-duty steel frame
- 11. Extension table lock/release lever
- 12. Bevel scale
- 13. Bevel tilt angle indicator (pointer)
- 14. Blade height adjusting handwheel
- 15. Electromechanical On/Off switch
- 16. Overload Reset button
- 17. Bevel angle lock/release lever
- 18. Push stick & adjustment keys storage
- 19. Blade guard storage

- 20. Mitre gauge storage
- 21. 1-1/2" dust chute
- 22. Power cord wrap posts
- 23. Horizontal aluminum guide
- 24. Rip fence locking lever
- 25. Table insert
- 26. Blade
- 27. Rear rail
- 28. 1-1/4" Vacuum adapter

ASSEMBLY AND OPERATION

ON/OFF SWITCH

The ON/OFF switch (A) Fig.3 is located on the front of the Table Saw. Press the green ON button (B) to turn Table Saw On. Press the red OFF button (C) to turn Table Saw Off.

This Table Saw is equipped with an electromechanical safety switch with line voltage interruption. In case of a power failure, the Table Saw will need to be restarted using the switch.

RESET BUTTON (OVERLOAD PROTECTOR)

This table saw comes with an overload reset button (D) Fig.3 (above the ON/OFF Switch). A safety mechanism stops the motor automatically due to the motor overheating or low voltage. Allow the saw to cool or plug the saw into outlet with sufficient voltage and then press the reset button to restart the Table Saw. If the table saw does not restart, wait 5 minutes before restarting.

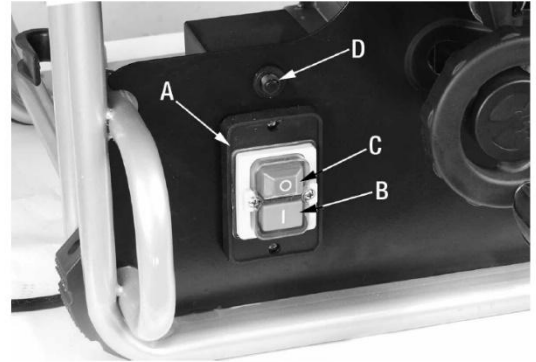


FIGURE 3

ADJUSTING THE RIVING KNIFE

A riving knife (C) Fig. 4 is a safety measure on a table saw. It is the same thickness as the blade and stands behind the blade as it cuts to prevent the material from binding on the back of the blade, helping to reduce the chance of kickback.

1. To adjust the riving knife, remove the table insert (A) Fig.4 from the tabletop by unscrewing the pan head screw (B) and then pulling it upwards.
2. Turn the blade height adjusting handwheel (A) Fig.5 counterclockwise and raise the blade to its highest position above the table.

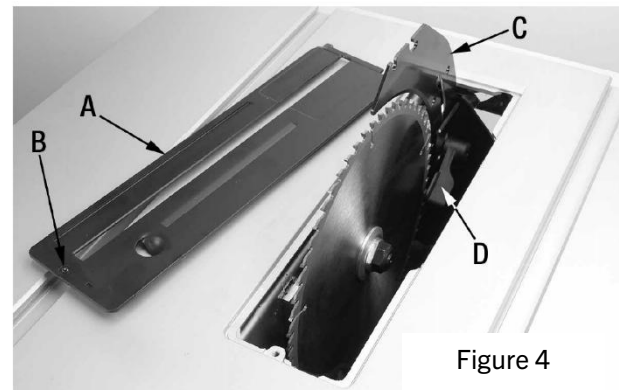
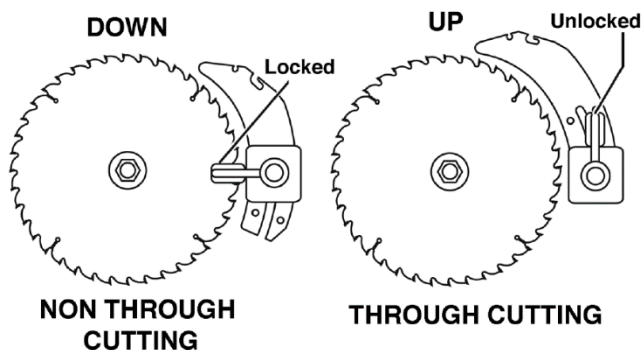


Figure 4

NOTE: This saw is shipped with the riving knife in the non-through cutting or “down” position, as shown below. The riving knife must be positioned in the through cutting or “up” position for all other operations.



4. Unlock the riving knife lock lever (D) Fig.4 by pivoting it upwards (vertical position).
5. Push the riving knife (C) Fig.4 towards the lock lever (D) Fig. 4 to disengage it from its positioning pins/slots.

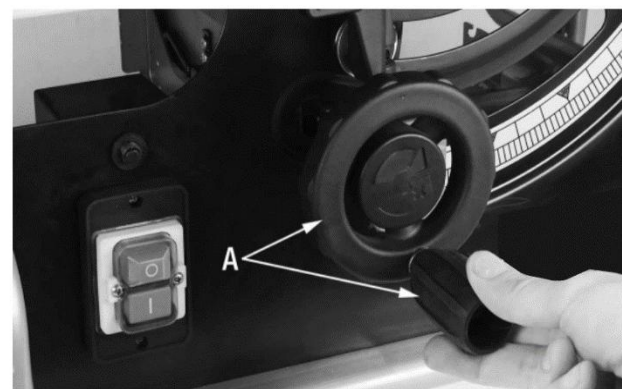


Figure 5

6. Pull the riving knife (C) Fig.4 upwards until its bottom mounting holes engage the positioning pins, and the riving knife (c) is above the saw blade.

7. Engage the lock lever (D) fig.4 by pivoting it downwards (horizontal position). Once secured, make sure the riving knife is perfectly aligned with the center of the blade, if not, it is most likely due to misalignment of the positioning pins, re-adjust until alignment is obtained.

5. Reinstall and secure the table insert (A) Fig.4 with pan head screw.

Aligning riving knife

IMPORTANT: If riving knife is correctly mounted, yet it is not perfectly centered with the blade, proceed with the following adjustment.

1. Using a straight edge (A) Fig.6, check to ensure the riving knife (c) Fig.7 is aligned with the blade as shown.

2. If an adjustment is necessary, loosen 2 x cap screws (A) Fig.7 that hold the mounting bracket (B) using the 5mm hex key (provided). Adjust the position of the riving knife (C) to the right or left until it is perfectly aligned with the blade. Retighten cap screws.



FIGURE 6

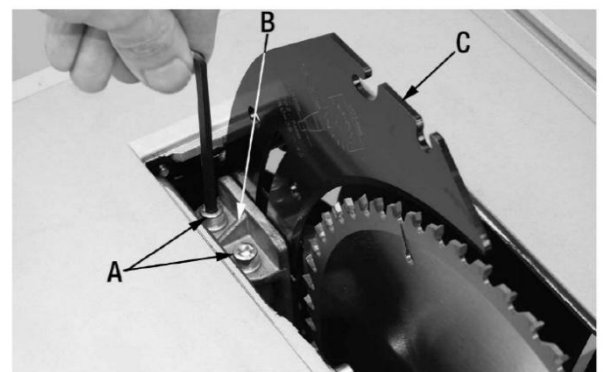


FIGURE 7

MOUNTING BLADE GUARD TO RIVING KNIFE

Mounting blade guard

1) Raise the blade to its highest position. Make sure the riving knife is in the “up” position and secured.

2) Make sure to reposition and secure the table insert (A) Fig.8 in the table top opening before installing the blade guard (c) Fig.8.

3) Lower the back end shaft (B) Fig.8 of the blade guard (C) into the rear slot (D) Fig.8 of the riving knife as shown.

4) Press and hold the spring loaded button (A) Fig.9 on the right side of the blade guard and lower blade guard so it engages the front slot (E) Fig.8.

5) Release the spring loaded button (A) Fig.9 to lock the blade guard to the riving knife. Lift the blade guard up to check if it was locked securely.

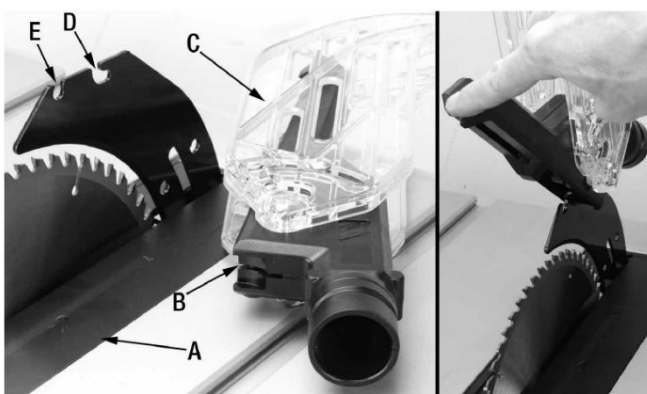


FIGURE 8



FIGURE 9

Mounting rip fence on table & adjustments

1. Align the front of the rip fence (A) Fig.10 with the side of the front rail (B). Align the back end of the rip fence (A) with the side of the rear rail (C). Slide rip fence (A) onto both rails. Check to ensure the rip fence locking lever (D) is in the unlocked and "up" position and the rip fence (A) slides freely on the rails (B) & (C).

2. Lower rip fence locking lever (D) "down" to lock the rip fence (A) in place.

NOTE: To reduce the risks of kickback, the rip fence must be perfectly parallel to the blade.

Installing the aluminum guide

1. Unlock rip fence (A) by raising locking lever (D) **Fig.10**. Loosen both cap screws (E) on top of the rip fence (A) using the 5mm hex key (provided).
2. Align the rip fence parallel with the blade and retighten both cap screws.
3. Adjust the rip fence indicator (F) to the same marking by loosening the pointer screw (G) and reposition indicator.
4. The horizontal aluminum guide (A) **Fig.11** can be installed to left side of the rip fence in the horizontal position as shown. This aluminum guide is mainly used to safely rip thin and narrow stock, especially when cutting workpieces with the blade tilted to 45°.
5. Insert three long hex. bolts into the left side in the rip fence loosely and secure the hex bolts with washers and lock knobs (B). Slide the T-slot of the aluminum guide over the head of each hex. bolt, once in position, tighten lock knobs (B).

NOTE: It is not recommended to use the horizontal position aluminum guide (A) Fig.11 with the extension table extended.

Mounting and adjusting the mitre gauge

When crosscutting with the blade set at 90° or 45° to the table, the mitre gauge (A) **Fig.12** can be used in either the right side or left side T-slot (B) on the table. When crosscutting with the blade tilted, use the right sided T-slot of table where the blade is tilted away from your hands and mitre gauge.

1. Slide the mitre gauge bar into one of the T-slots (B) in the table.
2. To adjust the mitre gauge, loosen lock handle (C) and set the mitre gauge (A) so the indicator (D) aligns to the desired cutting angle, then retighten lock handle (C) Fig.12.
3. This mitre gauge comes with an aluminum facing (E) which can be removed if desired by removing lock knob (F). Fig.12.
4. Ensure the mitre gauge is square against the saw blade. Place a square (A) **Fig.13** against the blade (B), loosen lock handle (C) and place the mitre gauge against the square.

Once the mitre gauge is perfectly square with the blade, retighten lock handle (C). If the pointer (D) requires alignment, loosen screw (E) and reposition the pointer, retighten screw.

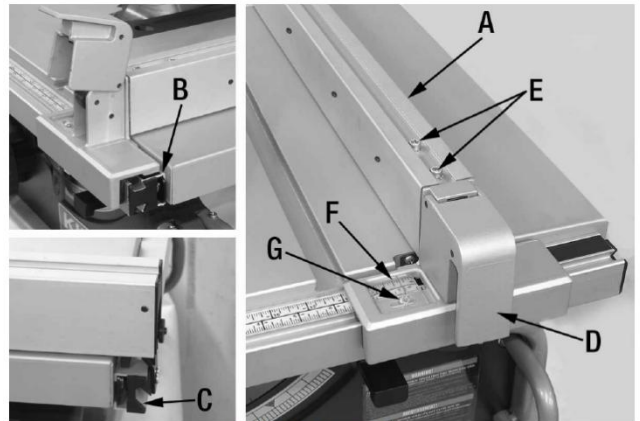


FIGURE 10

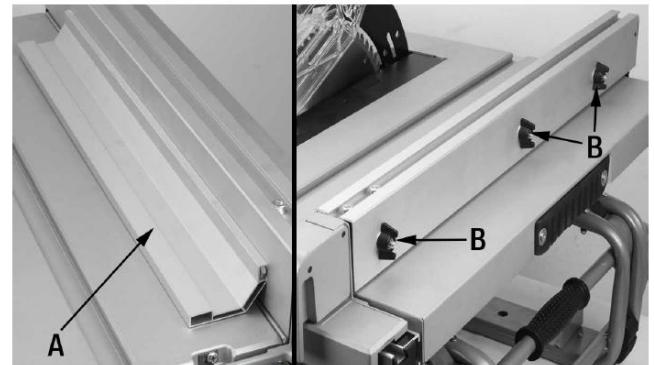


FIGURE 11

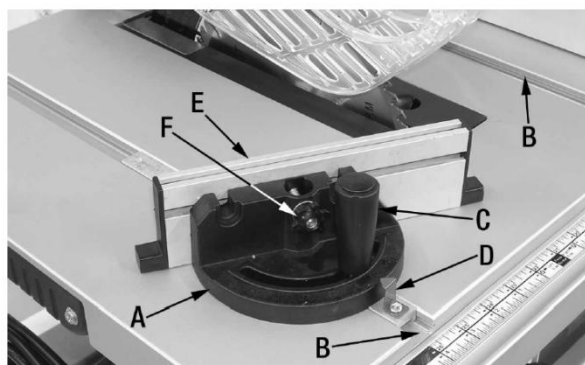


FIGURE 12

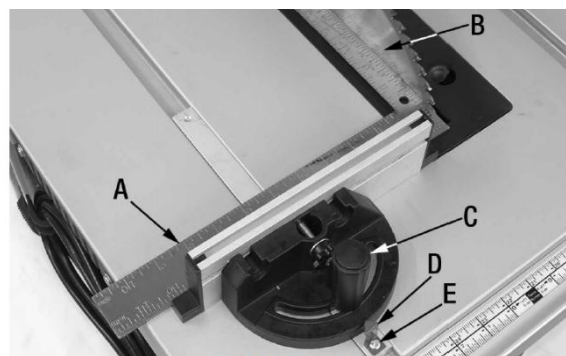


FIGURE 13

Adjusting the Sliding extension table

The Sliding extension table allows the user to increase the length of the table for greater ripping capacity (maximum 24-3/4" rip to the right of blade). To use the extension table;

1. Unlock or remove the rip fence from the table.
2. Unlock the extension table (A) Fig.14 by raising the extension lock lever (C), slide the extension to the desired width. Use the scale on the front rail (B) when a specific width is desired, or measure the distance from the blade for precise cuts.
3. Once the extension table is in the desired position, lower the lock lever (B) to secure the extension in place. The rip fence can now be reinstalled.

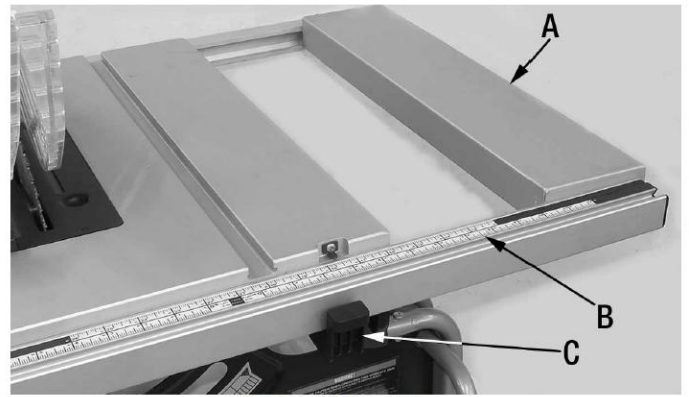


FIGURE 14

Adjusting the blade height

The blade height should be set 1/8" to 1/4" higher (above) the top of the workpiece to cut.

1. Turn the elevation handwheel (B) Fig.15 counterclockwise to raise the blade or clockwise to lower the blade.

Adjusting the blade angle for beveled cuts

Note: A 90° cut has a 0° bevel angle and a 45° cut has a 45° bevel angle.

1. Unlock the bevel angle lock/release lever (A) Fig.15 by pulling the lever all the way to the right.
2. Move the Blade height adjustment handwheel (B) to the right to adjust the blade bevel angle, use the Bevel tilt angle indicator (C) and angle scale as reference.
3. Once the desired bevel angle is achieved, lock the bevel angle/lock release lever (A) by pushing the lever all the way to the left.

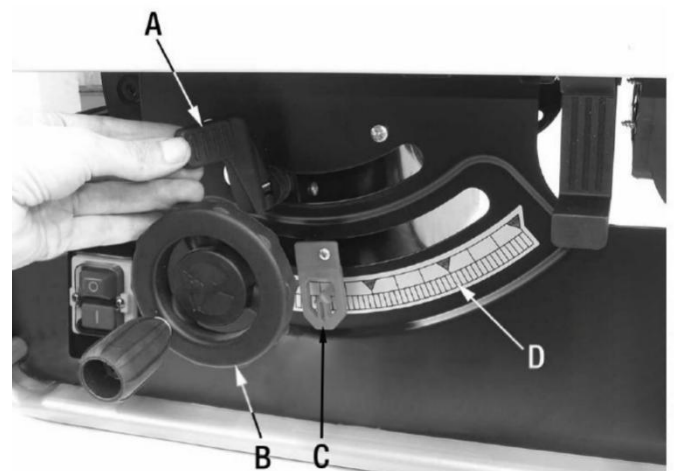


FIGURE 15

Adjusting the bevel tilt angle indicator

If the blade is at a 90° angle and the bevel indicator (A) Fig.17 does not indicate 0° on the scale, an adjustment can be made;

1. Place a combination square (A) (not included) Fig.16 on the table and up against the flat portion of the blade (B).
2. Unlock the bevel angle lock/release lever (A) Fig.15 by pulling the lever all the way to the right. Move the Blade height adjustment handwheel (B) Fig.15 until the blade is set at a perfect 90° to the square. Lock the bevel angle lock/release lever.
3. Loosen the screw (B) Fig.17 which secures the bevel indicator (A). Re-adjust the position of the bevel tilt angle indicator so it aligns with the 0° on the bevel scale.
4. Retighten the screw (B) Fig.17.

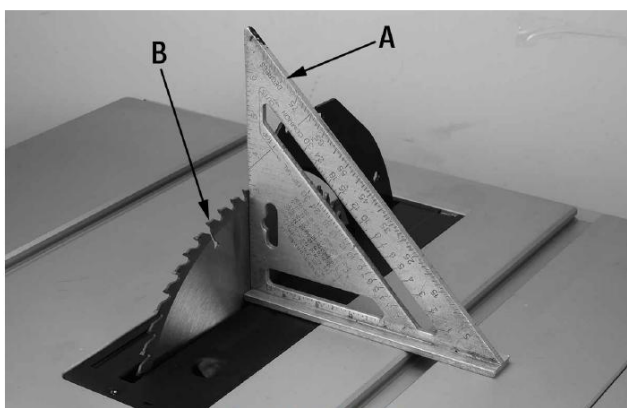


FIGURE 16

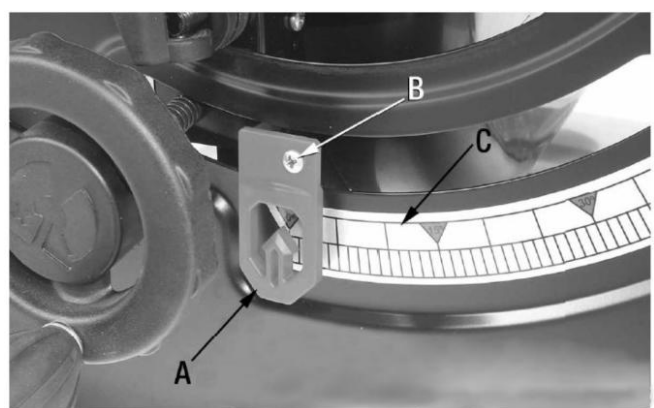


FIGURE 17

Installing/changing blade



Warning! Turn tool OFF and disconnect power cord from power source before installing/ changing blade.

1. Uninstall the blade guard assembly from the riving knife. Then remove the table insert to gain access to the blade arbor.
2. Raise the blade to its highest position above the table.
3. Place the open end of one of the adjustment wrenches (A) Fig.18 on the flat portion of the outer flange (B) to prevent the saw arbor and blade from rotating.
4. Then place the other open end adjustment wrench (A) Fig.19 on the arbor nut (B) Fig.19 and turn the arbor nut counterclockwise, remove arbor nut and outer flange (B) Fig.18. Refer to illustration in Fig.20.
5. Place new blade on arbor making sure the blade teeth point downwards towards the front of the table saw.
6. Replace outside blade flange and arbor nut on arbor shaft and tighten with arbor wrenches.
7. Reinstall the table insert and blade guard assembly.

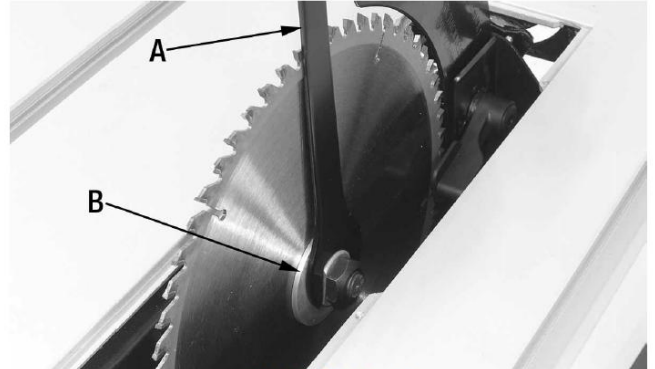


FIGURE 18

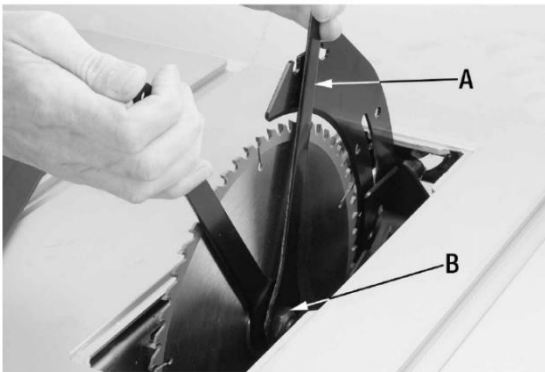


FIGURE 19

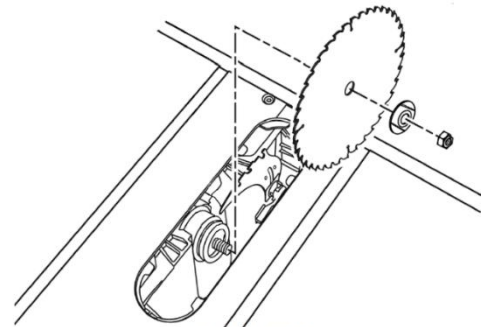


FIGURE 20

Safety precautions before operation

The operation of power tools involves a certain amount of hazard for the operator. Before attempting regular work practice with using scrap lumber to check settings. Read entire instructions before starting to cut the workpiece. Always pay attention to safety precautions to avoid personal injury.

Push stick

A push stick is supplied with this table saw and should be used whenever possible to protect the hand, while allowing good hand control of the stock as it is pushed through the cutting blade.

If the push stick becomes lost, Fig.21 shows an illustration of the dimensions to make one. It is recommended to use a good quality plywood or solid wood, 1/2" or 3/4" thick.

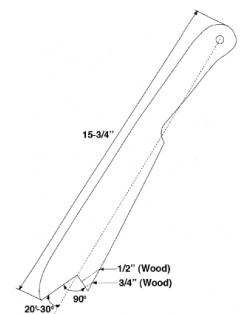


FIGURE 21

Cross cutting

Cross cutting requires the use of the mitre gauge to position and guide the work. Place the work against the mitre gauge and advance both the mitre gauge and work toward the saw blade. The mitre gauge may be used in either table T-slot, however, most operators prefer the left T-slot for average work. When bevel cutting (blade tilted), use the right side table T-slot so that it doesn't interfere with the tilted saw blade. The blade guard must be used. The guard has a riving knife to prevent the saw kerf from closing.

- Start the cut slowly and hold the work firmly against the mitre gauge and the table.



CAUTION: Never hang onto or touch a free piece of work. Hold the supported piece, not the free piece that is cut off.

- The feed in cross cutting continues until the work is cut in two, then the mitre gauge and work are pulled back to the starting point. Before pulling the work back it is good practice to give the work a little sideways shift to move the work slightly away from the saw blade.

- Never pick up any short length of free work from the table while the saw is running. A smart operator never touches a cut-off piece unless it is at least a foot long. Never use the rip fence as a cut-off gauge when crosscutting.

Ripping

Ripping is the operation of making a lengthwise cut through a board, the rip fence is used to position and guide the work. One edge of the work rides against the rip fence while the flat side of the board rest on the table. Since the work is pushed along the fence, it must have a straight edge and make solid contact with the table. The blade guard must be used. The guard has a riving knife to prevent the saw kerf from closing.

- Start the motor and advance the work holding it down and against the fence.

CAUTION: Never stand in the line of the saw cut when ripping. Hold the work with both hands and push it along the fence and into the saw blade. The work can then be fed through the saw blade with one or two hands.

- When this is done the work will either stay on the table, tilt up slightly and be caught by the rear end of the guard or slide off the table to the floor. Alternately, the feed can continue to the end of the table, after which the work is lifted and brought back along the outside edge of the fence. The waste stock remains on the table and is not touched with the hands until the saw is stopped unless it is a large piece allowing safe removal.

Making a non-through cut

Non-through cuts can be made with the grain (ripping) or across the grain (cross cut). Non-through cuts are needed for cutting grooves or rabbets. This is the only type of cut that the blade gets covered by the workpiece and is made without the blade guard installed.

CAUTION: Ensure the blade guard is reinstalled after this type of cut is done.

- Position the riving knife in the “down” position, set the blade to the correct height.
- Turn on the saw and allow the blade to come up to speed, use the push stick to feed workpiece into blade.

UNDER-TABLE STORAGE

This table saw comes with convenient under-table storage areas for loose accessories, below is a list of all components and the location of its under-table storage.

- 1) **Rip fence (A)** Fig.22. Install rip fence upside down under the extension table as shown.
- 2) **Blade guard (B)** Fig.22. Gets installed to a similar bracket which is on the riving knife, same installation.
- 3) **Blade adjustment wrenches (A)** Fig.23. Both adjustment wrenches get secured by the lock knob.
- 4) **Hex. key (B)** Fig.23.
- 5) **Push stick (C)** Fig.23. Push stick get secured by the lock knob.
- 6) **Mitre gauge (A)** Fig.24. Two clips hold the mitre gauge in place.



FIGURE 22

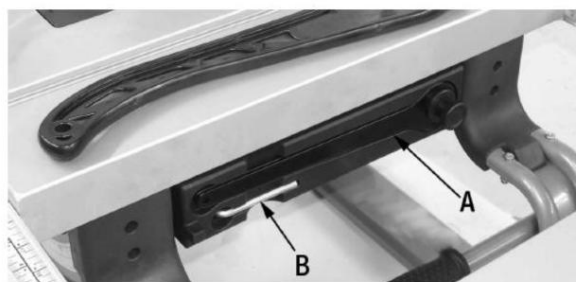


FIGURE 23



FIGURE 24

MAINTENANCE

WARNING: For your own safety, turn the power switch "OFF" and remove plug from power source outlet before maintaining or lubricating your saw.

Do not allow sawdust to accumulate on the saw. Frequently blow any dust that may accumulate under the saw and the motor. Clean your cutting tools with a Gum and Pitch Remover. The cord and tool should be wiped with a dry clean cloth to prevent deterioration from oil and grease.

WARNING: Certain cleaning agents and solvents can damage plastic parts. Some of these are: gasoline, carbon tetrachloride, chlorinated cleaning solvents, ammonia and household detergents which contain ammonia. Avoiding use of these and other types off cleaning agents will minimize the possibility of damage.

WARNING: All repairs, electrical or mechanical, should be attempted only by trained repairmen. Use only identical replacement parts, any other may create a hazard. If the power cord is worn or cut, or damaged in any way, have it replaced immediately.

LUBRICATION

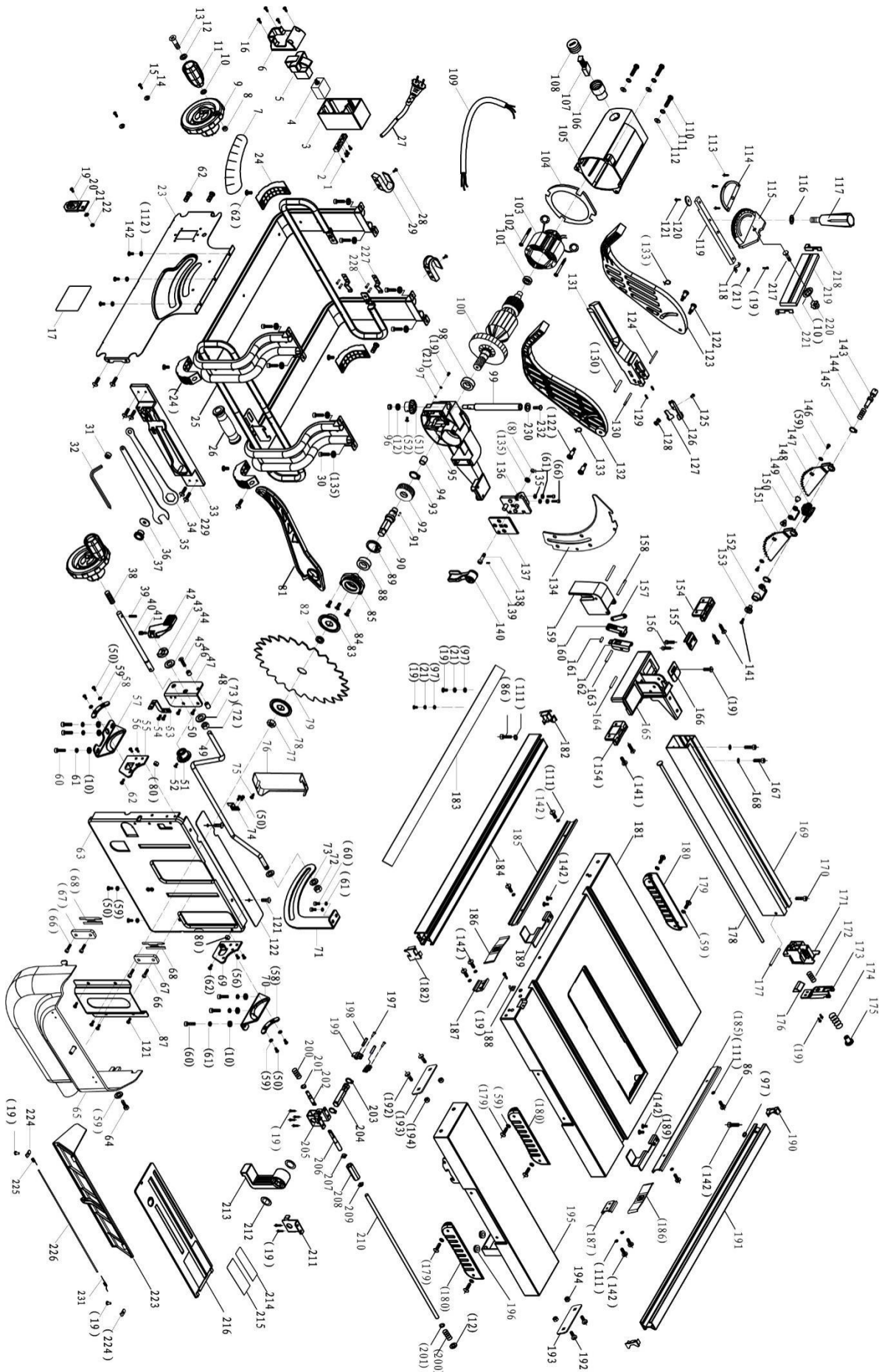
The table saw has sealed lubricated bearings in the motor housing and the arbor assembly, they will not require any additional lubrication.

A coat of automobile type wax applied to the table will help keep the surface clean and allow workpieces to slide more freely.

TROUBLESHOOTING

PROBLEM	SOLUTION
SAW WILL NOT START 1. Saw not plugged in. 2. Fuse blown or circuit breaker tripped. 3. Cord damaged.	1. Plug in saw. 2. Replace fuse or reset circuit breaker. 3. Have cord replaced by a certified electrician.
OVERLOAD KICKS OUT FREQUENTLY 1. Extension cord too light or too long. 2. Feeding stock too fast. 3. Blade in poor condition (dull, warped, gummed). 4. Blade binding due to misaligned rip fence. 5. Blade binding due to warped wood. 6. Low house current.	1. Replace with adequate size extension cord. 2. Feed stock more slowly. 3. Clean or replace blade. 4. Check and adjust the rip fence. See rip fence instructions. 5. Select another piece of wood. 6. Contact your electrical company.
DOES NOT MAKE ACCURATE 45° AND 90° RIP CUTS 1. Tilt angle pointer not set properly.	1. Check blade with square and adjust Bevel tilt angle indicator (pointer) to zero.
MATERIAL PINCHES BLADE WHEN RIPPING 1. Rip fence not aligned with blade. Warped wood.	1. Check and adjust rip fence. Select another piece of wood.
MATERIAL BINDS ON RIVING KNIFE 1. Riving knife not aligned correctly with blade kerf.	1. Check and align riving knife with blade kerf.
SAW MAKES UNSATISFACTORY CUTS 1. Dull blade. 2. Blade mounted backwards. 3. Gum or pitch on blade. 4. Incorrect blade for work being done. 5. Gum or pitch on table causing erratic feed.	1. Replace blade. 2. Turn blade around. 3. Remove blade and clean with turpentine and steel wool. 4. Change the blade. 5. Clean the table.
BLADE DOES NOT COME UP TO SPEED 1. Extension cord too light or too long. 2. Low house current.	1. Replace with adequate size extension cord. 2. Contact your electric company.
MACHINE VIBRATES EXCESSIVELY 1. Damaged saw blade. 2. Loose hardware.	1. Replace blade. 2. Tighten all nuts and bolts.

EXPLODED VIEW



PARTS LIST

WARNING! When servicing, use only original equipment replacement parts. The use of any other parts may create a safety hazard or cause damage to the tool. Any attempt to repair or replace electrical parts on this tool may create a safety hazard unless repairs are performed by a qualified technician. For more information, call the Toll-free Helpline, at 1-866-349-8665.

Key#	Part #	Part Name	Qty
1	1346-602-001	ST3.5X16 scross pan head tapping screw	4
2	1346-602-002	pressure plate	1
3	1346-602-003	switch box	1
4	1346-602-004	overload switch	1
5	1346-602-005	switch	1
6	1346-602-006	switch seat	1
7	1346-602-007	label	1
8	1346-602-008	M6 nut	2
9	1346-602-009	big wheel	1
10	1346-602-010	φ6 big flat washer	11
11	1346-602-011	small handle	1
12	1346-602-012	φ8 flat washer	3
13	1346-602-013	M6 step screw	1
14	1346-602-014	fixing angle block	2
15	1346-602-015	M5X14 crossing pan head tapping screw	2
16	1346-602-016	ST3.9X30 cross pan head tapping screw	4
17	1346-602-017	label	1
19	1346-602-019	M4X8 crossing pan head screw	21
20	1346-602-020	pointer	1
21	1346-602-021	4 spring washer	5
22	1346-602-022	M4 hex nut	2
23	1346-602-023	side plate	1
24	1346-602-024	rubber foot	4
25	1346-602-025	tube stand	1
26	1346-602-026	handle	1
27	1346-602-027	cable and plug	1
28	1346-602-028	M6X16 crossing pan head screw	2
29	1346-602-029	hook	2
30	1346-602-030	M6X12 inner hex nut	8
31	1346-602-031	sleeve	1
32	1346-602-032	5 allen key	1
33	1346-602-033	tool box	1
34	1346-602-034	22mm wrench short	1
35	1346-602-035	22mm wrench	1
36	1346-602-036	30xφx3 flat washer	1
37	1346-602-037	knob	1
38	1346-602-038	spring	1
39	1346-602-039	3X25 pin	1
40	1346-602-040	rotate axis	1
41	1346-602-041	M4 step screw	1

Key#	Part #	Part Name	Qty
42	1346-602-042	pressure handle	1
43	1346-602-043	location ring	1
44	1346-602-044	ø10xø26x1.5 plastic washer	1
45	1346-602-045	M6X40 crossing sunk screw	1
46	1346-602-046	axle sleeve (1)	1
47	1346-602-047	location block	1
48	1346-602-048	axle sleeve (2)	1
49	1346-602-049	fasten bar	1
50	1346-602-050	M5X10 crossing pan head screw	10
51	1346-602-051	gear	2
52	1346-602-052	M4X20 crossing suck screw	2
53	1346-602-053	pointer seat	1
54	1346-602-054	M4x6 crossing pan head screw	2
55	1346-602-055	rotate support(1)	1
56	1346-602-056	M5x10 crossing sunk head screw	4
57	1346-602-057	rotate bar(1)	1
58	1346-602-058	rotate location block	2
59	1346-602-059	5 big flat washer	15
60	1346-602-060	M6x16 inner hex screw	8
61	1346-602-061	6 spring wahser	10
62	1346-602-062	M5x12 crossing pan head screw	12
63	1346-602-063	motor support board	1
64	1346-602-064	M5X12 Hexagon headed bolt	2
65	1346-602-065	output guard	1
66	1346-602-066	M6x20inner hex screw	6
67	1346-602-067	pressure block	2
68	1346-602-068	washer	4
69	1346-602-069	rotate support (2)	1
70	1346-602-070	rotate bar(2)	1
71	1346-602-071	rotate location board	1
72	1346-602-072	M10screw	2
73	1346-602-073	10 flat washer	3
74	1346-602-074	location block fastener	1
75	1346-602-075	ST3.9X12 crossing pan tapping screw	1
76	1346-602-076	cover block	1
77	1346-602-077	M14 screw	1
78	1346-602-078	outer pressure board	1
79	1346-602-079	saw blade	1
80	1346-602-080	M5 nut	2
81	1346-602-081	push stick	1
82	1346-602-082	saw blade location ring	1
83	1346-602-083	inner pressure board	1
84	1346-602-084	M5X12 crossing sunk head screw	3
85	1346-602-085	bearing housing	1

Key#	Part #	Part Name	Qty
86	1346-602-086	M5X8 inner hex screw	2
87	1346-602-087	saw blade guard1	1
88	1346-602-088	6003 bearing	1
89	1346-602-089	∅35circlip	1
90	1346-602-090	output axis	1
91	1346-602-091	5x5x12key	1
92	1346-602-092	big gear wheel	1
93	1346-602-093	∅16 circlip	1
94	1346-602-094	HK1210 needle baring	1
95	1346-602-095	Middle cover	1
96	1346-602-096	M8 anti-loosening screw	1
97	1346-602-097	∅4 washer	3
98	1346-602-098	6202 bearing	1
99	1346-602-099	screw bar	1
100	1346-602-100	rotor	1
101	1346-602-101	629 bearing	1
102	1346-602-102	ST4.8X60 crossing pan had tapping screw	2
103	1346-602-103	stator	1
104	1346-602-104	fan shroud	1
105	1346-602-105	motor housing	1
106	1346-602-106	brush holder	2
107	1346-602-107	carbon brush	2
108	1346-602-108	brush holder cover	2
109	1346-602-109	cable for motor	1
110	1346-602-110	M5x30 croosing pan head screw	3
111	1346-602-111	∅5 spring washer	13
112	1346-602-112	∅5 flat washer	6
113	1346-602-113	ST3.9X10 crossing sunk tapping screw	3
114	1346-602-114	angular scale cover	1
115	1346-602-115	angle board	1
116	1346-602-116	plastic washer	1
117	1346-602-117	M6x18 handle	1
118	1346-602-118	angle scale pointer	1
119	1346-602-119	alloy bar	1
120	1346-602-120	alloy washer	1
121	1346-602-121	M5x10 crossing sunk head screw	1
122	1346-602-122	M5 step screw	4
123	1346-602-123	transparent cover left	1
124	1346-602-124	∅3x32.5 pin	1
125	1346-602-125	∅5x12 rivet	1
126	1346-602-126	fastening bar	1
127	1346-602-127	link bar 2	1
128	1346-602-128	Positioning sleeve	1
129	1346-602-129	M4X8 hex screw	2
130	1346-602-130	∅5x31.5 pin	2

Key#	Part #	Part Name	Qty
131	1346-602-131	Shield fixed block	1
132	1346-602-132	Transparent cover right	1
133	1346-602-133	Shaped spring	2
134	1346-602-134	riving knife	1
135	1346-602-135	6 flat washer	11
136	1346-602-136	riving knife pressing plate 1	1
137	1346-602-137	riving knife pressing plate 2	1
138	1346-602-138	clamp screw	1
139	1346-602-139	3X15 pin	1
140	1346-602-140	riving knife knob+cover	1
141	1346-602-141	M4X8 crossing sunk head screw	5
142	1346-602-142	M5x8 crossing sunk head screw	13
143	1346-602-143	locking pin	1
144	1346-602-144	Small pressure spring	1
145	1346-602-145	12 cir clip	4
146	1346-602-146	ST2.9X8 crossing pan head tapping screw	2
147	1346-602-147	pressure plate left	1
148	1346-602-148	anti retreat seat	1
149	1346-602-149	pressure plate positioning column	2
150	1346-602-150	torsion spring	1
151	1346-602-151	pressure plate right	1
152	1346-602-152	cover for pressure plate	1
153	1346-602-153	locking cover	1
154	1346-602-154	fence fasten piece	2
155	1346-602-155	fence lock block3	1
156	1346-602-156	M3 step screw	2
157	1346-602-157	small connecting rod	1
158	1346-602-158	Ø5 x38 pin	2
159	1346-602-159	lock handle	1
160	1346-602-160	connecting rod1	1
161	1346-602-161	Ø5 x11 pin	1
162	1346-602-162	fence lock block1	1
163	1346-602-163	Ø5 x28 pin	1
164	1346-602-164	Ø5x30 pin	1
165	1346-602-165	movable fence	1
166	1346-602-166	pointer	1
167	1346-602-167	M6x12 inner hex screw	2
168	1346-602-168	6 Pad	2
169	1346-602-169	fence	1
170	1346-602-170	ST3.9X10 crossing sunk tapping screw	1
171	1346-602-171	fence cover	1
172	1346-602-172	spring1	1
173	1346-602-173	fence fasten block 2	1

Key#	Part #	Part Name	Qty
174	1346-602-174	spring3	1
175	1346-602-175	control screw	1
176	1346-602-176	triangle block	1
177	1346-602-177	5 x 40 cylindrical pad	1
178	1346-602-178	Fence - sliding bar	1
179	1346-602-179	M5 x 10 screw	6
180	1346-602-180	side plate guard	3
181	1346-602-181	working table	1
182	1346-602-182	Extension bar end cup	2
183	1346-602-183	work table scale	1
184	1346-602-184	extension bar 2	1
185	1346-602-185	fastening bar long	2
186	1346-602-186	extension fasten piece	2
187	1346-602-187	fasten bar short	2
188	1346-602-188	pointer	1
189	1346-602-189	location block	2
190	1346-602-190	end cover for extensive bar	2
191	1346-602-191	extension bar 1	1
192	1346-602-192	M6x16 square neck screw	4
193	1346-602-193	long pressure board	2
194	1346-602-194	M6 teeth nut	4
195	1346-602-195	Working table (section)	1
196	1346-602-196	rubber cover	2
197	1346-602-197	∅3x12 rivet	2
198	1346-602-198	∅4.5x19 pin	2
199	1346-602-199	fasten block	2
200	1346-602-200	spring2	2
201	1346-602-201	6 split washer	2
202	1346-602-202	control bar2	1
203	1346-602-203	∅12 circlip	2
204	1346-602-204	fasten bar	1
205	1346-602-205	extension fasten block 2	1
206	1346-602-206	control bar 1	1
207	1346-602-207	M8 teeth nut	1
208	1346-602-208	hex adjusting nut	1
209	1346-602-209	M8 nut (left)	1
210	1346-602-210	control bar3	1
211	1346-602-211	extension fastening block 1	1
212	1346-602-212	∅20x15x0.5 washer	4
213	1346-602-213	Fastening clamp	1
214	1346-602-214	plate for table insert 1	1
215	1346-602-215	plate for table insert 2	1
216	1346-602-216	table insert	1
217	1346-602-217	M6x40 Half round head square neck bolt	1

Key#	Part #	Part Name	Qty
218	1346-602-218	end cover for fence	2
219	1346-602-219	fence (mitre saw)	1
220	1346-602-220	locking nut	1
221	1346-602-221	M5x6 crossing pan head screw	6
222	1346-602-222	saw blade guard1	1
223	1346-602-223	active plate	1
224	1346-602-224	rotation axis pressure board	2
225	1346-602-225	torsion spring	1
226	1346-602-226	rotation axis	1
227	1346-602-227	angle fixing block	2
228	1346-602-228	∅3x6 rivet	4
229	1346-602-229	ST4.8X8 crossing pan head tapping screw	4
230	1346-602-230	∅5x∅15x3 flat washer	1
231	1346-602-231	Torsion spring 3	1
232	1346-602-232	M5x14 crossing pan head screw	1

WARRANTY

BENCHMARK 10" COMPACT TABLE SAW

If this Benchmark tool fails due to a defect in material or workmanship within five years from the date of purchase, return it to any Home Hardware store with the original bill of sale for exchange. 3-year warranty for the battery and charger. This warranty does not include expendable parts including but not limited to blades, brushes, belts, light bulbs.

This warranty covers defects in material or workmanship only. It does not cover normal wear and tear, failure due to abuse/misuse, or defects caused by careless or accidental mishandling. If this Benchmark product is used for commercial or rental purposes, this warranty does not apply.

10" COMPACT TABLE SAW



BENCHMARK™

BENCHMARK TOOLS CANADA

ST. JACOBS, ONTARIO N0B 2N0

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CUSTOMER SERVICE/TECH SUPPORT

1-866-349-8665

1346-602

Made in China



* This Benchmark™ product carries a five (5) year LIMITED warranty against defects in workmanship and materials. The charger and batteries carry a three (3) year LIMITED warranty. See Owner's Manual for full details.



READ ALL INSTRUCTIONS BEFORE FIRST USE. KEEP THIS MANUAL FOR FUTURE REFERENCE. KEEP AWAY FROM CHILDREN.



WEAR CSA APPROVED EYE PROTECTION



WEAR EAR PROTECTION



WEAR A FACE MASK