



MODEL CX204N
10" SCORING TABLE SAW
WITH RIVING KNIFE & 30" RIP FENCE
User Manual



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VER 1.1

TABLE OF CONTENTS

General Safety Instructions for Machines	3
Specific Safety Instructions	4
CX204N Features	5
Physical Features	6
Set Up	7
Un-Packing & Inventory	7
Proper Grounding	8
 Assembly	 9
Installing Saw Blade.....	11
Installing the Scoring Blade	11
Installing the Fence Scale	12
Blade Guard Spreader	12
Table Insert.....	13
Installing the Blade Guard.....	13
Basic Controls.....	14
Test Run	14
Connecting to a Dust Collector	15
Blade Guard.....	15
Riving Knife.....	16
Scoring Saw Blade.....	16
Adjusting the Scoring Blade	16
Work-Piece Inspection	17
 Operations	 18
Through Cuts	18
Non-Through Cuts	18
Ripping.....	18
Crosscutting.....	19
Miter Cuts	19
Bevel Cuts	20
 Main Table to Blade Parallelism.....	 20
Spreader & Riving Knife Alignment.....	21
Replacing the V-Belts	22
Miter Gauge Adjustment	22
 Maintenance	 23
Parts Breakdown & List.....	24-34
Warranty	35

GENERAL SAFETY INSTRUCTIONS FOR MACHINES

Extreme caution should be used when operating all power tools. Know your power tool, be familiar with its operation, read through the owner's manual and practice safe usage procedures at all times.

- ❖ **ALWAYS** read and understand the user manual before operating the machine.
- ❖ **CONNECT** your machine ONLY to the matched and specific power source.
- ❖ **ALWAYS** wear safety glasses respirators, hearing protection and safety shoes, when operating your machine.
- ❖ **DO NOT** wear loose clothing or jewelry when operating your machine.
- ❖ **A SAFE ENVIRONMENT** is important. Keep the area free of dust, dirt and other debris in the immediate vicinity of your machine.
- ❖ **BE ALERT! DO NOT** use prescription or other drugs that may affect your ability or judgment to safely use your machine.
- ❖ **DISCONNECT** the power source when changing drill bits, hollow chisels, router bits, shaper heads, blades, knives or making other adjustments or repairs.
- ❖ **NEVER** leave a tool unattended while it is in operation.
- ❖ **NEVER** reach over the table when the tool is in operation.
- ❖ **ALWAYS** keep blades, knives and bits sharpened and properly aligned.
- ❖ **ALL OPERATIONS MUST BE** performed with the guards in place to ensure safety.
- ❖ **ALWAYS** use push sticks and feather boards to safely feed your work through the machine.
- ❖ **ALWAYS** make sure that any tools used for adjustments are removed before operating the machine.
- ❖ **ALWAYS** keep the bystanders safely away while the machine is in operation.
- ❖ **NEVER** attempt to remove jammed cutoff pieces until the saw blade has come to a full stop.

CX204N SCORING TABLE SAW

SPECIFIC SAFETY INSTRUCTIONS

- ❖ **NEVER** use a saw blade that has missing carbide teeth, loose teeth, or chipped or broken teeth.
- ❖ **NEVER** stand directly in line with the saw blade when feeding stock into the saw.
- ❖ **NEVER** place your fingers or hands in the line of cut. If you slip, your hands or fingers may come into contact with the blade. Always use a push stick when ripping narrow pieces.
- ❖ **NEVER** allow visitors or helpers to stand in line with the saw blade.
- ❖ **ALL GUARDS** must be in place while operating the table saw to ensure safety.
- ❖ **ALWAYS** feed the stock smoothly. Do not force or twist the work-piece while cutting.
- ❖ **NEVER** allow anyone to “assist” you by holding your work-piece at the out-feed end.
- ❖ **MAKE SURE** before making any adjustments, the switch is in the “OFF” position and the cord is un-plugged.
- ❖ **NEVER LEAVE** the table saw unattended while it is running.
- ❖ **DO NOT** attempt to remove jammed pieces unless the table saw has come to a complete stop and the power switch has been turned to the OFF position and cord is unplugged.
- ❖ **NEVER** attempt to cut stock “freehand”, always use the rip fence or miter gauge.
- ❖ **ALWAYS** make sure that the rip fence is properly squared to the saw blade to prevent kickback.
- ❖ **ALWAYS** make sure that your saw is in a stable position. Cutting heavy, long stock may alter the stability of the saw. In the event that this may occur, the saw should be firmly bolted to the floor.
- ❖ **ALWAYS** be sure that if using a mobile base, wheels are firmly locked before turning the saw on.
- ❖ **ALWAYS** use a feather board and/or hold-downs to support your work-piece when necessary.
- ❖ **MAKE SURE** you have read and understood all the safety instructions in the manual and you are familiar with your table saw, before operating it. If you fail to do so, serious injury could occur.

WARNING

The safety instructions given above can not be complete because the environment in every shop is different. Always consider safety first as it applies to your individual working conditions.



CX204N-10" Table Saw

FEATURES

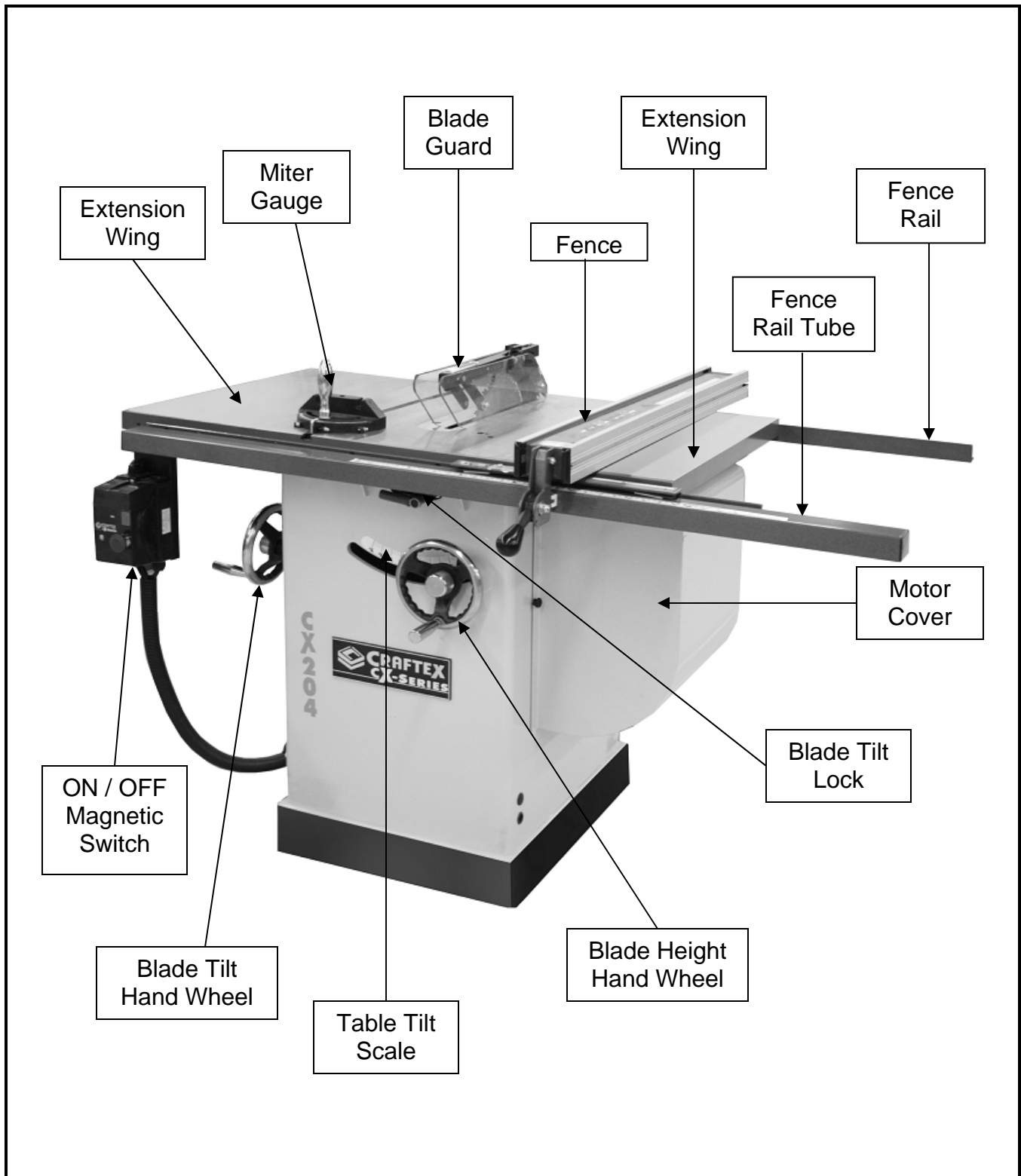
MODEL CX204N – 10" SCORING TABLE SAW

As part of the growing line of Craftex woodworking equipment, we are proud to offer the CX204N a 10" Scoring Table Saw with Riving Knife. The Craftex name guarantees Craft Excellence. By following the instructions and procedures laid out in this user manual, you will receive years of excellent service and satisfaction. The CX204N is a professional tool and like all power tools, proper care and safety procedures should be adhered to.

- ❖ Motor 3-HP, 220-V, Single Phase TEFC Motor
- ❖ Miter Gauge..... T-Slot Miter Gauge
- ❖ Table Size..... Length 27" x Width 44.5" (with Extension Wings)
- ❖ Floor to Table Height 36"
- ❖ Maximum Blade Diameter 10"
- ❖ Riving Knife/Spreader Thickness.... 0.1"
- ❖ Blade Tilt..... Right
- ❖ Arbor Size..... 5/8"
- ❖ Blade Speed 5200 RPM
- ❖ Scoring Blade Diameter..... 3"
- ❖ Scoring Blade Bore..... 0.78"
- ❖ Scoring Blade Teeth 20
- ❖ Fence Size..... 30"
- ❖ Maximum Depth of Cut @ 90° 3-1/16"
- ❖ Maximum Depth of Cut @ 45° 2-1/16"
- ❖ Maximum Rip to Right of Blade 20" Edge of Table
- ❖ Maximum Rip to Left of Blade..... 24" Edge of Table
- ❖ Dust Collection Ports One 4" Port
- ❖ Warranty 3 Years

CX204N – SCORING TABLE SAW

PHYSICAL FEATURES



SETUP

Before setting up your machine you should read and understand the instructions given in this manual.

The unpainted surfaces of this table saw are coated with a rust preventive waxy oil that you will want to remove before you begin assembly. Use a solvent cleaner that will not damage painted surfaces.

WARNING!

CX204N is a heavy machine, do not over-exert yourself. For safe moving method use fork truck or get the help of an assistant or friend.

UNPACKING

The machine is properly packaged and shipped completely in crates for safe transportation. When unpacking, carefully inspect the crates and ensure that nothing has been damaged during transit. Open the crates and check that the machine and the parts are in good condition.

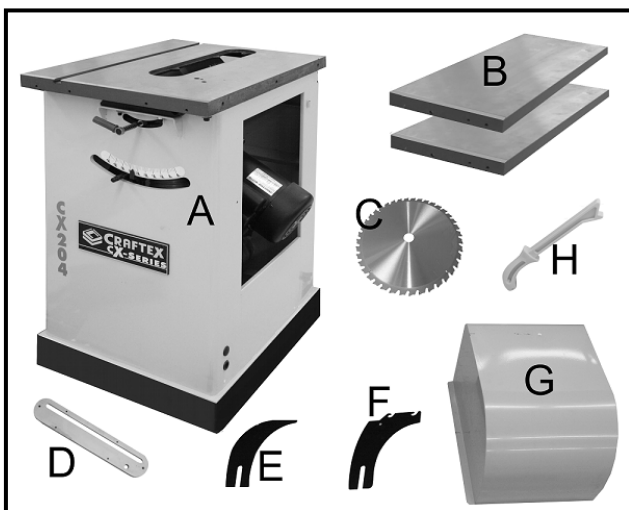


Figure-1 Inventory

LIST OF CONTENTS

QTY

A. Table Saw.....	1
B. Extension Wings	2
C. 10" Blade	1
D. Table Insert.....	1
E. Riving Knife.....	1
F. Spreader	1
G. Motor Cover	1
H. Push Stick.....	1

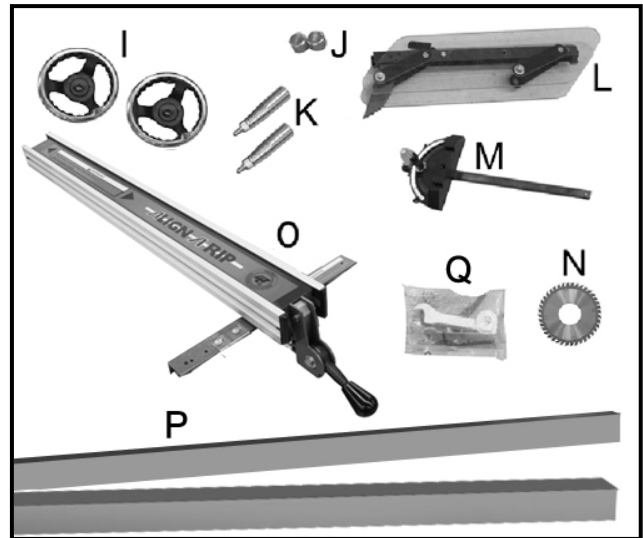


Figure-2 Inventory

LIST OF CONTENTS

QTY

I. Hand Wheels	2
J. Hand Wheel Locks.....	2
K. Hand Wheel Handles	2
L. Blade Guard.....	1
M. Miter Gauge	1
N. Scoring Blade	1
O. Fence.....	1
P. Fence Rail and Tube.....	2
Q. Hardware Bag.....	1

NOTE: While doing inventory, if you can not find any part, check if the part is already installed on the machine. Some of the parts come preassembled with the machine because of shipping purposes.

PROPER GROUNDING

Grounding provides a path of least resistance for electric current to reduce the risk of electric shock.

CX204N is equipped with a 220-V single phase motor and is provided with a power supply cord that is to be connected directly to the source. Connection must be done by a qualified electrician in accordance with electrical code and local electrical codes.

This machine is for use on a normal 220 volt circuit. Make sure that the machine is connected to an outlet having the same configuration as the plug. If an adaptor plug is used, it must be attached to the metal screw of the receptacle.

To prevent electrical hazards, have a qualified electrician ensure that the line is properly wired.

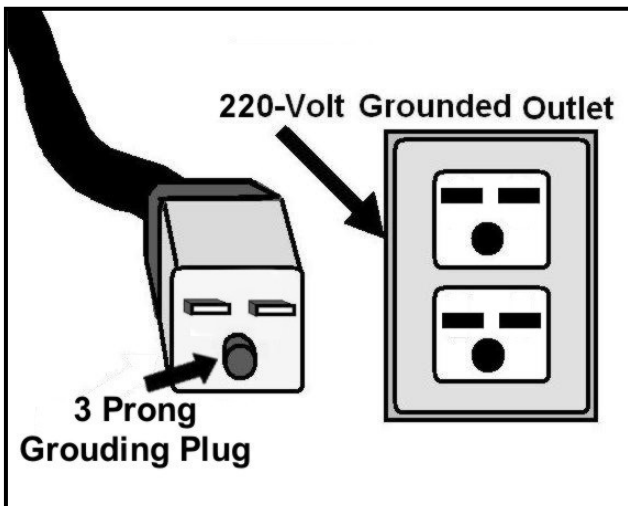


Figure-3 220-Volts Outlet for CX204N

WARNING

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded.

It is strongly recommended not to use extension cords with your CX204N. Always try to position your machine close to the power source so that you do not need to use extension cords.

When it is necessary to use an extension cord, make sure the extension cord does not exceed 50-feet in length and the cord is 12-gauge to prevent motor damage.

Your CX204N should be wired with a plug having 3-prongs to fit a 3 prong grounded receptacle as shown in figure-3.

Do not remove the grounding prong to fit it into a 2-pronged outlet. Always check with a qualified electrician if you are in doubt.

ASSEMBLY

Slide the hand wheel onto the hand wheel shaft in front of the saw so that the tab on the shaft is aligned with the key way on the hand wheel. Secure it using the lock knob provided. Thread the handle into the hole on the hand wheel and tighten it. See figure-4.

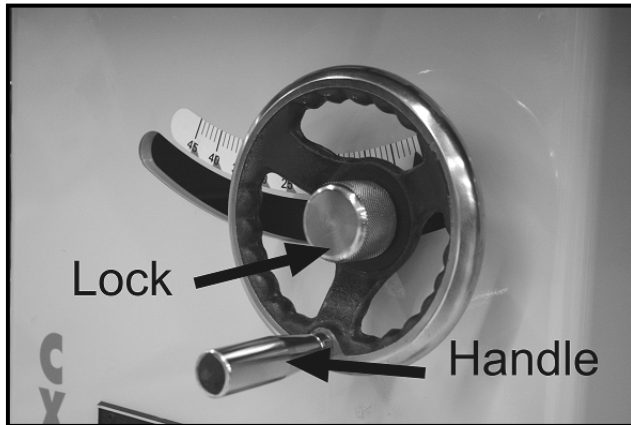


Figure-4 Installing the blade height hand wheel

Install the blade tilt hand wheel on to the shaft located on the left side of the cabinet in the same manner. Secure it using the lock. Thread the handle into the hole on the hand wheel and tighten it properly. See figure-5.

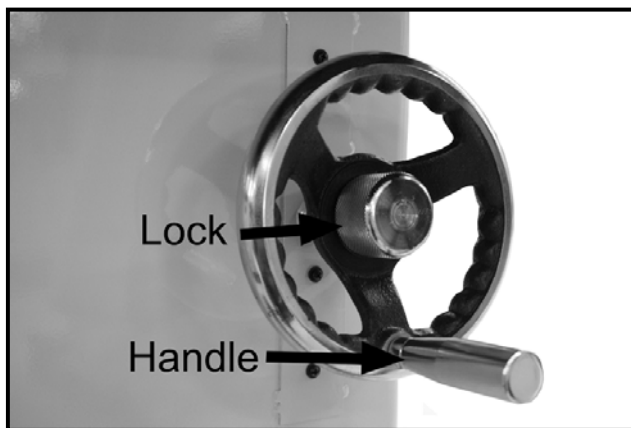


Figure-5 Installing blade tilt hand wheel

Attach the extension wings to the two sides of the table using nuts, bolts and washers provided. See figure-6.

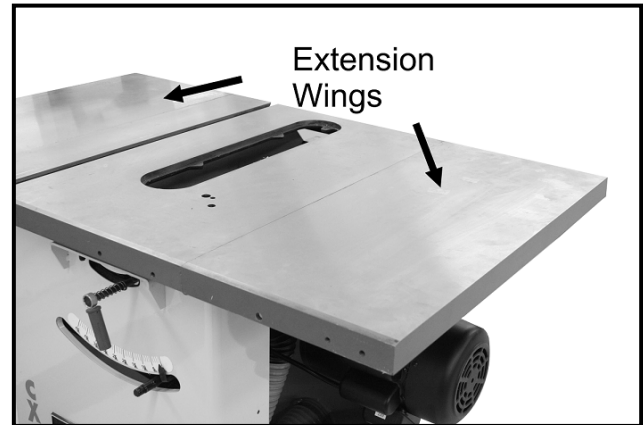


Figure-6 Installing the extension wings

Place a straight-edge on the main table and the extension wing, and make sure they are flat with each other.

If the mating surface of the extension wing tilts down, remove the wings and use masking tape along the bottom edge of the main table to shim the extension wing up. See figure-7.

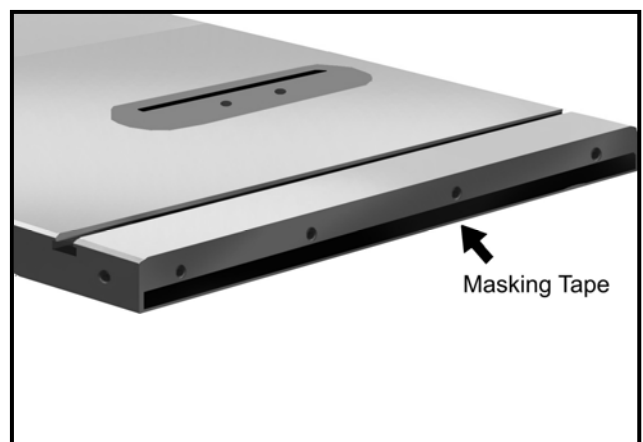


Figure-7 Using masking tape to shim the extension wing up

If the mating surface of the extension wing tilts up, use a masking tape along the top edge of the main table to shim the extension wing down. See figure-8.

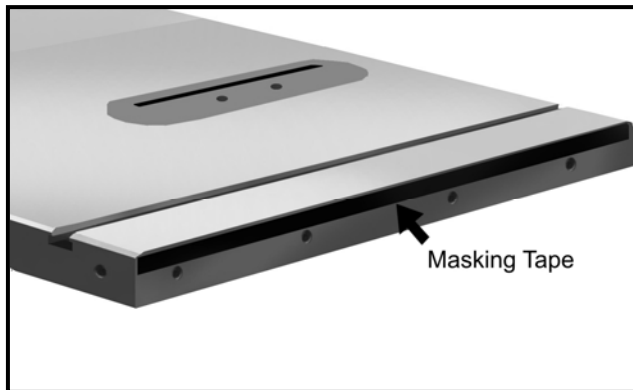


Figure-8 Using masking tape to shim the extension wing down

When the wings are reinstalled, remove the excessive masking tape using a blade.

Install the motor cover to the side of the cabinet by sliding the hinge posts on the hinges and locking using the screw provided as shown in figure-9.

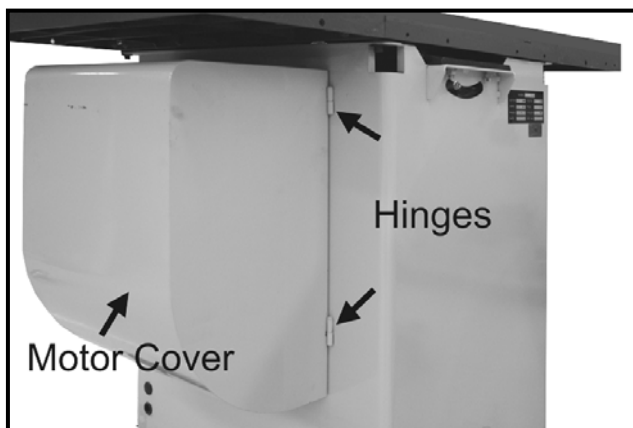


Figure-9 Installing the motor cover

Attach the front fence rail to the table and extension wings using bolts, nuts and washers provided. See figure-10.



Figure-10 Installing front fence rail

Now, install the fence rail tube onto the front rail using cap screws, washers and flat washers provided. See figure-11.



Figure-11 Installing the fence rail tube

Attach the rear fence rail to the table and the extension wings. Secure it using screws and washers provided. See figure-12.

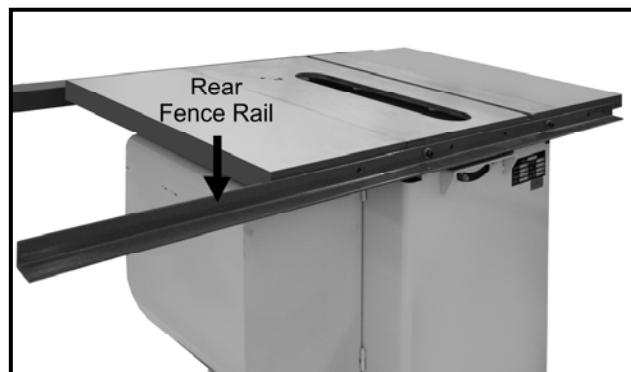


Figure-12 Installing the rear fence rail

Install the magnetic switch to the extension wing attached to the left side of the table as shown in figure-13.

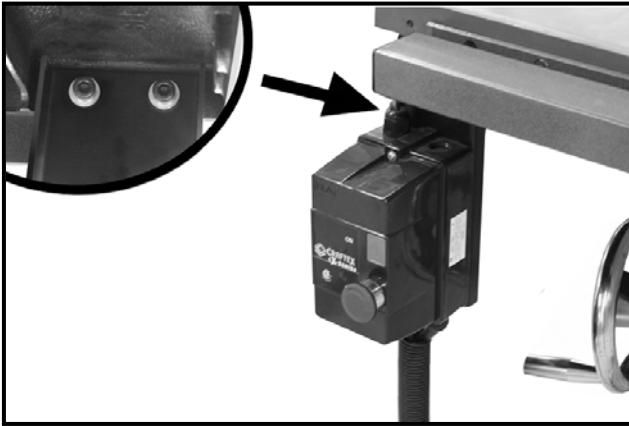


Figure-13 Installing the magnetic switch

INSTALLING SAW BLADE

Make sure the switch is in the OFF position and the cord is disconnected from the power source.

Remove the table insert (if already installed) and raise the arbor all the way up using the blade height hand wheel located on the front of the saw. Set the blade to 0-degree using the blade tilt hand wheel.

Remove the arbor nut and the arbor flange and install the 10" blade provided. Make sure the teeth of the blade are facing the front of the saw and install the arbor flange and the arbor nut. Use the arbor wrench and a locking pin to tighten the nut.

Make sure not to over-tighten the nut against the blade.



Figure-14 Installing the blade

INSTALLING THE SCORING BLADE

To install the scoring blade make sure the switch is in the OFF position and the cord is disconnected from the power source.

Remove the table insert (if already installed) and raise the scoring saw arbor to the maximum by turning the screw located on the table, using a proper sized Allen key. See figure-15.

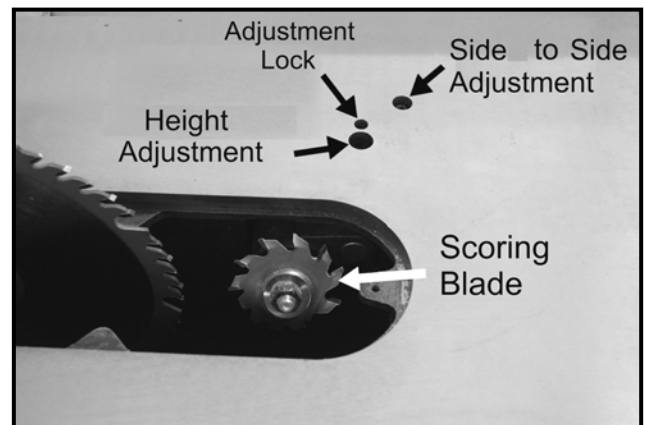


Figure-15 Installing the scoring blade

Remove the washer and the nut on the arbor and install the scoring blade. Install the washer and the nut and secure the blade by tightening the nut. Make sure to install the scoring blade with the teeth facing opposite to the main blade's teeth.

INSTALLING THE FENCE SCALE

Install the fence on the rails, and slide it against the saw blade and the push the fence handle down to lock the fence in place. Make sure the fence is slightly touching the blade and it is not pushed against the blade. See figure-16.



Figure-16 Fence locked on the rails against the blade

Mark on the fence rail tube where the red line on the pointer is and remove the fence.

Peel off the tape and align the "0" on the tape with the pencil mark on the rail tube and attach the tape scale on the tube.

Adjust the pointer if required by loosening the two screws holding the pointer to the fence.

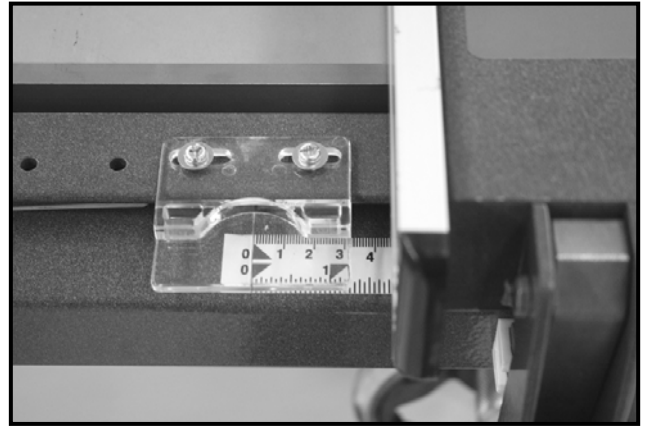


Figure-17 Red line on the pointer, aligned with "0" on the tape scale

IMPORTANT

To get accurate cuts, it is very important to attach the tape scale on the fence tube, aligning the "0" perfectly with the pencil mark that you made

BLADE GUARD SPREADER

Make sure the switch is in the OFF position and the cord is disconnected from the power source.

Remove the table insert (if already installed) and loosen the nut to open the bracket.

Now, slide the blade guard spreader, down into the bracket and tighten the nut to engage the bracket. Make sure the spreader is locked properly. See figure-18.

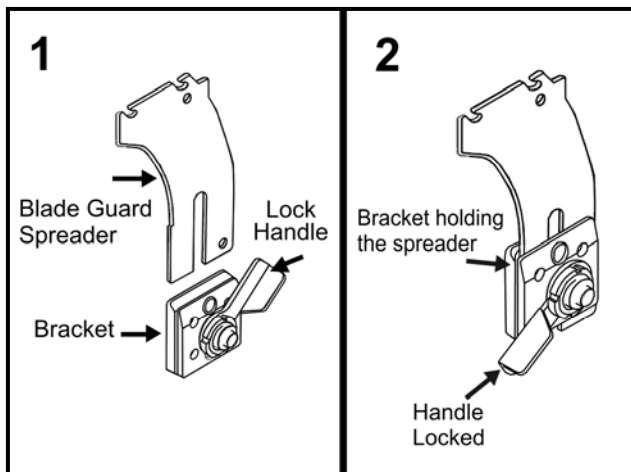


Figure-18 Using masking tape to shim the extension wing up

TABLE INSERT

Make sure to clean the dust or the dirt on the table throat before installing the insert. The dust or dirt can cause the insert to be out of height alignment.

Place the table insert in the table throat and make sure it is level with the table surface secure it by tightening the two screws. See figure-19.

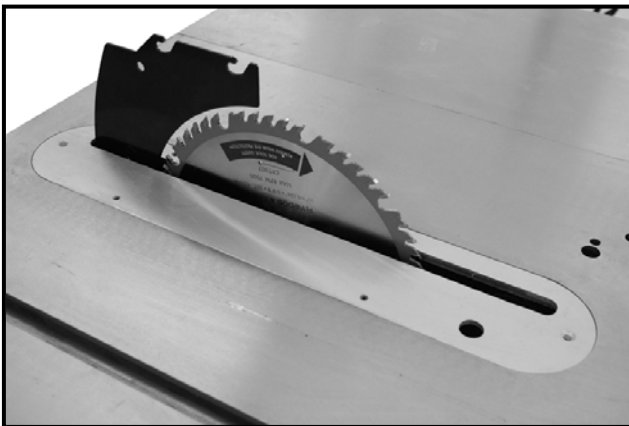


Figure-19 Installing the table insert

INSTALLING THE BLADE GUARD

Attach the blade guard to the spreader as shown in figure-20.

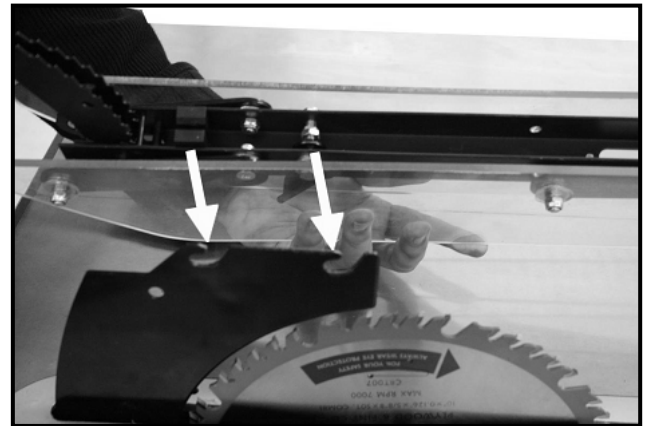


Figure-20 Installing the blade guard

Once the blade guard is attached to the spreader, slide the blade guard back wards and push the lock handle down to lock the blade guard on the spreader as shown in figure-22.

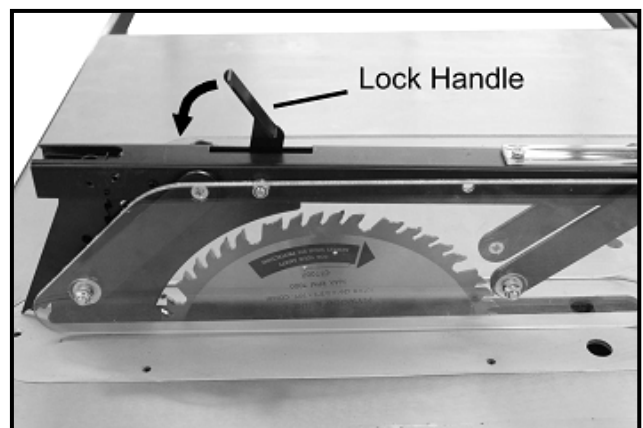


Figure-21 Securing the blade guard to the spreader

BASIC CONTROLS

The basic controls of this machine are shown in the figure-22. Use the figure and read the text to understand what the basic controls of your CX204N are.

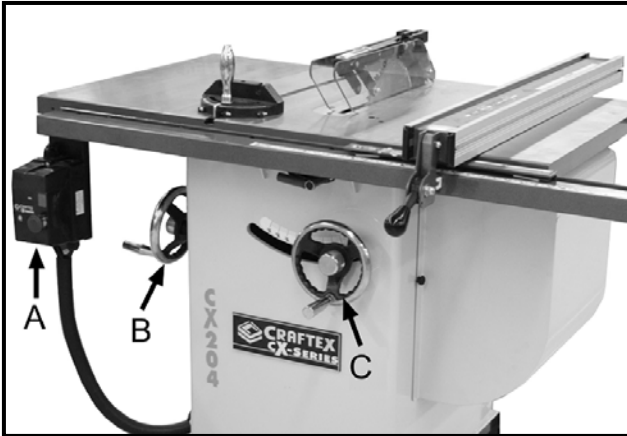


Figure-22 Basic controls on CX204N

A. ON / OFF Magnetic Switch

The ON / OFF magnetic switch on your CX204N has a green button to turn the machine "ON" and a red button to turn the machine "OFF",

B. Blade Tilt Hand Wheel

It is used to adjust the angle of the blade. If you want to adjust the angle of the blade, loosen the lock handle (on the front of the saw, under the table) and turn the hand wheel. When the blade is at the desired angle, retighten the lock handle.

C. Blade Height Hand Wheel

It is used to raise and lower the blade. If you want to adjust the height of the blade, turn the hand wheel to raise or lower the blade to the desired height.

TEST RUN

Once you have assembled your machine completely, it is then time for a test run to make sure that the machine works properly and is ready for operation.

WARNING!

For the protection of your eyes, make sure you are wearing safety glasses or safety goggles while doing the test run.

During the test run if there is any unusual noise coming from the machine or the machine vibrates excessively, stop the machine immediately and disconnect from the power source and investigate to find out the problem with your machine.



READ THE MANUAL

Before starting the table saw, make sure that you have read and understood the manual and you are familiar with the functions and safety features on this machine.

Check the safety features on the machine and make sure all the safety features work properly.

WARNING!

The safety instructions given in this manual can not be complete because the environment in every shop is different. Always consider safety first as it applies to your individual working conditions.

CONNECTING TO A DUST COLLECTOR

CX204N features a 4" diameter dust port to connect to a dust collector.

When connecting to a dust collector, use a proper sized hose and make sure all the connections are sealed tightly.

It is recommended to use a proper sized dust collector with the CX204N to ensure adequate dust collection.

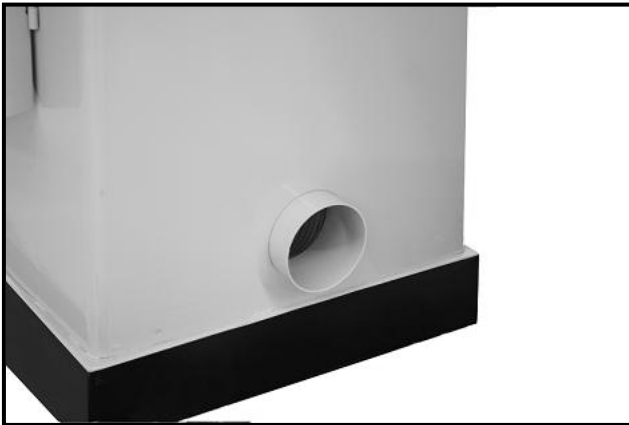


Figure-23 CX204N dust port

WARNING!

The fine dust particles produced by the saw can go into your lungs and cause serious respiratory problems. Make sure to wear a dust mask and the table saw is connected to a proper dust collection system while operating it.

BLADE GUARD

The blade guard assembly on your CX204N consists of a clear polycarbonate shield, spreader and anti-kickback pawls.

The clear polycarbonate guard allows the operator to see the blade cutting the work-piece during cutting operation. The guard covers the blade on both sides and lifts up as the work-piece is fed into the blade and returns to the table surface when the work-piece has passed through the blade. It prevents the wood chips to fly and injure the operator and it also prevents from accidental contacts of objects with the blade.

At the back side of the guard there is a metal plate called a spreader. The spreader prevents the kerf of the work-piece from pinching the blade and causing kick back.

The kick back pawls are designed such that they allow the work-piece to move only forward. During the cutting operation if the work-piece moves backward, the anti kick back pawls will dig into it and stop it.

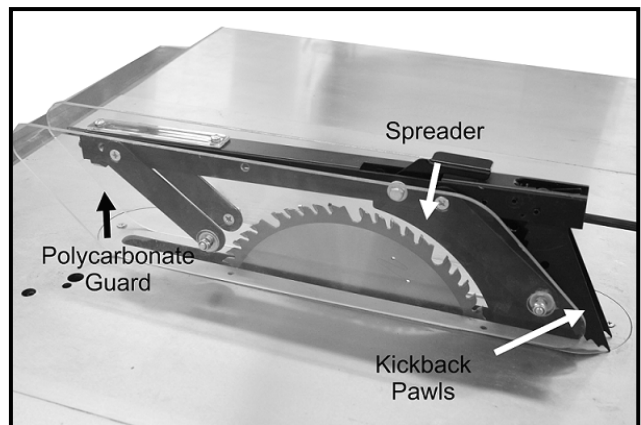


Figure-24 Blade guard and spreader

RIVING KNIFE

The riving knife is a metal plate which prevents the newly cut work-piece from pinching at the backside of the blade and causing kickback. Basically the riving knife does the same job as the spreader. But the main difference is that the riving knife is installed below the blade height while the spreader is installed higher than the blade.

The riving knife is installed when doing non-through cuts using a standard table saw blade and for the cutting operations when the blade does not cut all the way through thickness of the work-piece.

Height Difference

The riving knife should be installed with 1mm to 5mm height difference with the blade height. It is recommended to keep 3mm to 8mm distance between the blade (from the carbide tip) and the riving knife.

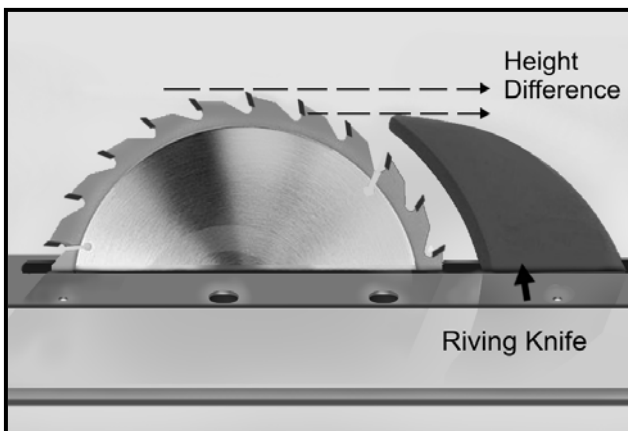


Figure-25 Riving knife

WARNING!

DO NOT use the riving knife with dado blades. If used, the riving knife will be higher than the dado blade and the work-piece will hit the riving knife.

SCORING SAW BLADE

The CX204N can run two blades at the same time. One is a regular circular saw blade and the other is a small blade that is installed in front of the main one. The smaller blade rotates in the opposite direction to the main blade, cutting from the underside of the panel, where the damage usually happens. The scoring blade eliminates tear-out and chipping.

ADJUSTING THE SCORING BLADE

The scoring blade can be adjusted side to side to align with the main blade. It also has a height adjustment to raise or lower the blade below the table top if desired.

The adjustments can be done by rotating the screws located in the small holes on the table. See figure-26

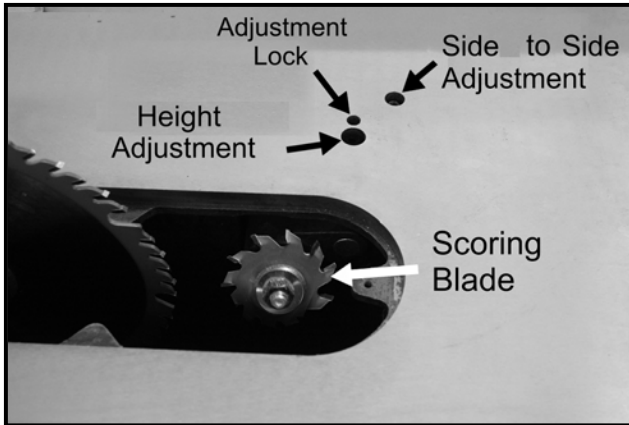


Figure-26 Scoring blade adjustment screws locations

WARNING!

Make sure the switch is in the OFF position and the cord is disconnected from the power source while installing any part or making adjustments. Failure to do so may result serious injury or death.

When using the scoring blade, use a proper sized Allen key and rotate the “side to side adjustment” screw to align the scoring blade with the main blade.

Turn the “adjustment lock” screw and then turn the “height adjustment” screw to raise or lower the scoring blade as desired.

Turn the “adjustment lock” screw to lock the arbor in place.

WORK-PIECE INSPECTION

Before cutting the work-piece, make sure to inspect it for nails, staples, small pieces of stone or metal and any other foreign object which is dangerous to come on contact with the blade.

If the wood contains any of these objects and it comes in contact with the blade, the object might fly and hit the operator or damage the blade. For a safe cutting method, always inspect your work-piece carefully before cutting and wear eye protection.

Some woods with excessive twisting or wrapping are un-stable while cutting. This situation can be dangerous, because during operation the work-piece can move unexpectedly which can either damage the blade or hurt the operator.

If the wood is slightly cupped, make sure the cupped face of the wood is held against the table or the fence. If the bowed side of the work-piece is held against the table or the fence, there will be a great possibility that the work-piece move unexpectedly while cutting, and cause kickback or injury to the operator.

Some stock with large knots can damage the blade and wet stock will give a poor result.

WARNING!

The information above is just a guideline for you to understand how to cut a work-piece with slight cupping. If you are not sure and do not have any experience in cutting cupped stock, do not cut it. Failure to follow these instructions might bring personal injuries to the operator or serious damage to the blade.

OPERATIONS

Before doing the operation, make sure all the parts of the machine are assembled properly and you have done the test run. Make sure you have read the manual and you are familiar using the table saw, knowing all the safety features on this machine.

THROUGH CUTS

The operation, in which the saw blade cuts the work-piece completely, is called through cut. Ripping, cross cuts, miter cuts and beveled cuts are examples of through cuts.

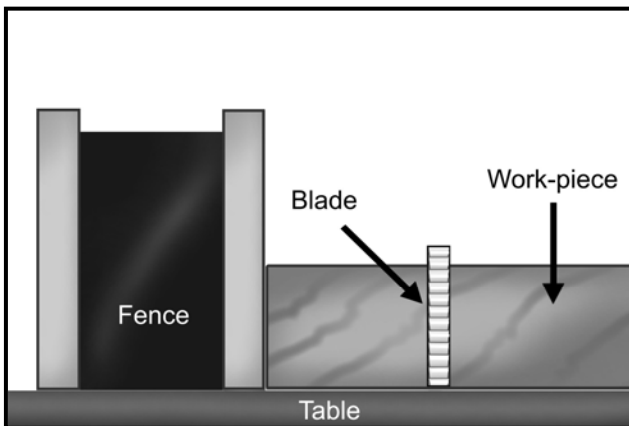


Figure-27 Shows an example of through cut

For clarity the blade guard assembly is not shown in figure-27 but for your safety it is highly recommended to use blade guard when performing through cuts.

NON-THROUGH CUT

The operation, in which the work-piece is passed over the saw blade and it does not cut the work-piece all the way through its thickness, is called non-through cut.

Since the blade guard can not be used when doing non-through cuts, there is great possibility of kickback. Make sure to have the riving knife installed, when using standard saw blade to perform non-through cuts.

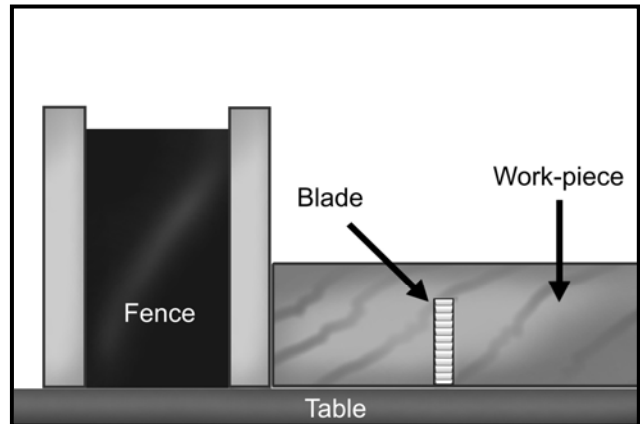


Figure-28 Shows an example of non-through cut with standard saw blade

For clarity figure-28 does not show riving knife, but it is highly recommended to install the riving knife when performing non-through cuts with standard saw blade.

RIPPING

Cutting solid wood with the grain and cutting down the length of the work-piece is called ripping.

With the power "OFF", adjust the fence on the rails according to the desired width of the cut. Turn the blade height hand-wheel to set the blade 1/4" above the work-piece. Make sure that blade guard assembly is working properly and use other safety devices like feather board and push sticks.

Connect the cord to the power source and turn the table saw "ON". Let the blade reach the full speed and feed the work-piece through the blade using a push stick, until the work-piece completely passes the saw blade. See figure-29.

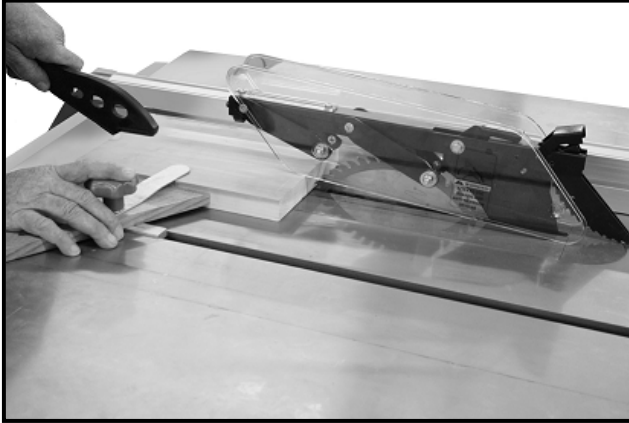


Figure-29 Ripping operation

After the work-piece is cut, let the blade come to a complete stop and then remove the cut-off pieces.

WARNING!

Do not use your fingers to feed narrow work-pieces into the blade. Always use a push stick to prevent the possibility of injury.

CROSSCUTTING

Cutting solid wood across the grain and cutting plywood across the width of the work-piece is called cross-cutting.

Remove the fence and mark the work-piece where you want to start the cut. Set the miter gauge to the correct angle. Place the work-piece on the table so that the marked

point is aligned with the blade and the blade is cutting the waste side of the line.

Connect the cord to the power source and turn the table saw "ON". Let the blade reach its full speed and hold the work-piece against the face of the miter gauge. Slowly push the work-piece with the miter gauge and until it is completely past the blade. Let the blade come to a complete stop and remove the cut-off work-pieces.

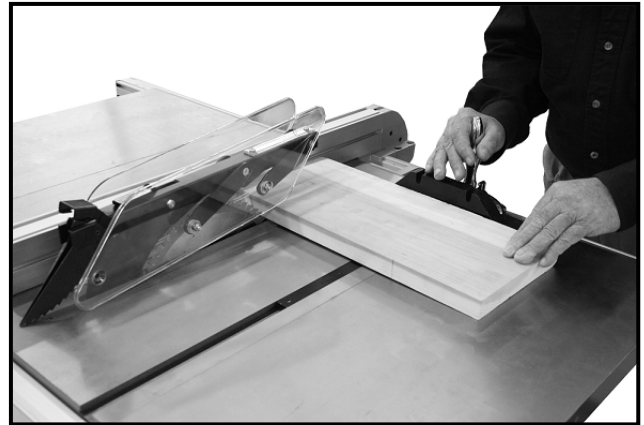


Figure-30 Crosscutting operation

MITER CUTS

Miter cut is an angled crosscut performed in the same manner as a crosscut, using the miter gauge.

Place the face of the miter gauge against the edge of the work-piece and miter gauge bar across the face of the work-piece. Use the bar as a guide and mark the angle of cut with a pencil as shown in figure-31.

Place the miter gauge back into the T-slot and hold the work-piece against the face of the miter gauge. Push the work-piece with the miter gauge slowly against the blade until the work-piece is completely past the blade.



Figure-31 Marking the angle of cut

BEVEL CUTS

The CX204N blade can be tilted to the left between 0° and 45° by rotating the blade tilt hand wheel. This feature of the saw allows making bevel cuts.

To make bevel cuts, loosen the lock handle located on the front of the saw. Rotate the blade tilt hand wheel to the desired angle, looking at the tilt scale

After that, proceed to make the cut in the same manner as in “Cross Cutting”.

For more accurate angles and to check that your saw blade is at the exact angle, you need to use a digital angle finder.

Model# B2646

OR

Model# WR300



MAIN TABLE TO BLADE PARALLELISM

Your CX204N will give a better result if the main table is parallel to the blade. If it is not parallel, the result you will get will be poor and low quality.

To check if the table is parallel to the blade, use an adjustable square and measure the distance between the miter slot on the table and the edge of the blade (front or back) as shown in figure-32.

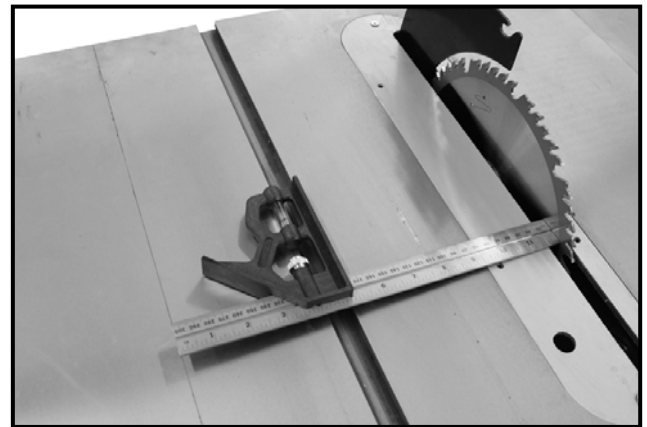


Figure-32 Measuring the distance using an adjustable square

Now, lock the square in place and mark the blade with a marker where you made the measurement. Rotate the blade so that the mark is opposite to the first position (front or back) and slide the square to check if the blade is at the same distance with the miter slot.

The measurement should be equal on both sides. If the measurements are not the same, the table needs to be adjusted parallel to the blade.

To adjust the table:

Make sure the switch is in the “OFF” position and the cord is unplugged from the power source.

Loosen the four mounting bolts (shown in figure-33) securing the table on the cabinet and adjust the table to get equal measurements on both sides of the blade.

Once the table is parallel to the blade, re-tighten the mounting bolts.



Figure-33 Mounting bolts location

WARNING!

While assembling any part, servicing or making any adjustments, make sure the switch is in the OFF position and the cord is disconnected from the power source. Failure to do so may result in serious personal injury or death.

SPREADER AND RIVING KNIFE ALIGNMENT

The blade guard spreader and riving knife must be aligned with the blade for safe and accurate cutting operation. If the spreader or the riving knife is not aligned with the blade, the work-piece will be pushed sideways during operation and increasing the risk of kick back.

Make sure the switch is “OFF” and check the spreader or riving knife alignment using a straight-edge. Raise the blade to the maximum height using the blade height hand-wheel. Place the straight edge against the top and bottom part of the spreader or riving knife as shown in figure-34.

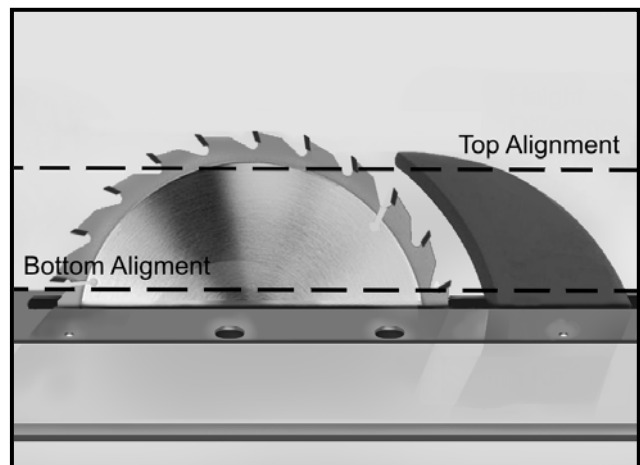


Figure-34 Using a straight-edge to check the top and bottom alignment

If the spreader or riving knife is not parallel with the blade, remove it and place it on a flat surface. Check if it lays evenly on the flat surface along its length.

If it does not lie evenly, bend it with your hands until it is straight.

REPLACING THE BELTS

Make sure the switch is in the “OFF” position and remove the cord from the power source.

Lower and tilt the blade to the maximum and open the motor cover.

To remove the main belt, you will have to remove the smaller belt rotating the scoring saw, first.

Push the roller equipped with spring towards the motor pulley to loosen tension on the smaller belt and remove the smaller belt.

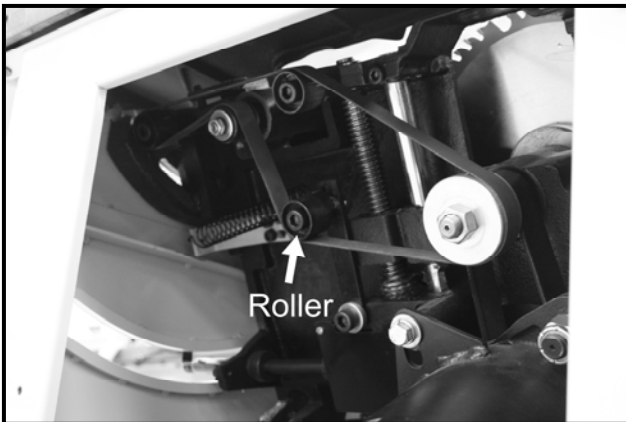


Figure-35 Removing the small belt

Now, loosen the motor mounting bolt as shown in figure-36 and push the motor up to loosen the tension on the main belt.

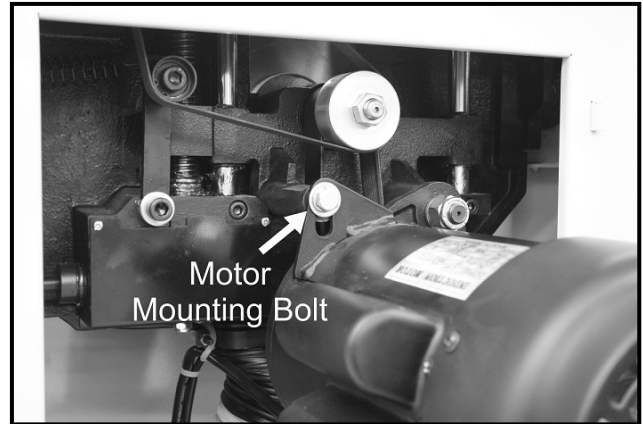


Figure-36 Loosening the motor mounting bolt

Remove the main belt from the pulleys and install the new one.

Move the motor down to tension the main belt and retighten the bolt.

Replace the small belt with a new one and install it onto the rollers and pulleys and close the motor cover.

MITER GAUGE ADJUSTMENT

The miter gauge provided with CX204N can be set at 0° and plus or minus 45° with the gauge stop pin and adjustable stop screws.

To adjust the miter gauge:

Loosen the knob and pull out the stop pin.

Loosen the lock nut of the 0° stop screw at the stop pin with an 8mm wrench.

Place a 90° square against the miter gauge rod and the miter gauge base. If the rod is not square, loosen the knob, adjust the rod, and retighten the knob.

Adjust the 0° stop screw until it rests against the stop pin. Adjust the plus and minus 45° stop screws using a 45° triangle and the steps above. See figure-37.

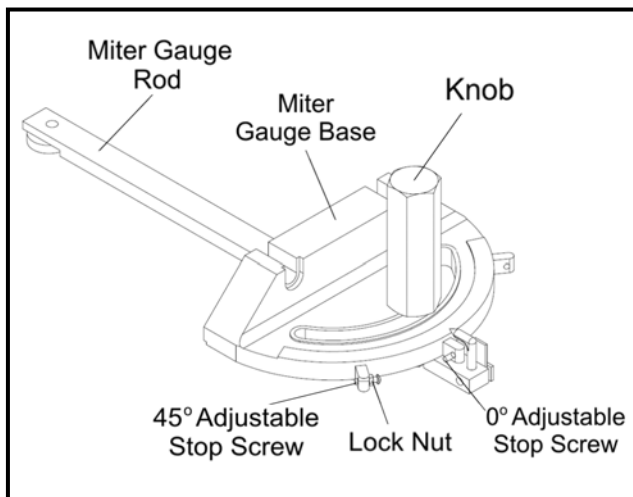


Figure-37 Adjusting the miter gauge

IMPORTANT

Miter gauge provides close accuracy in angled cuts. For very close tolerance, test cuts are recommended.

MAINTENANCE

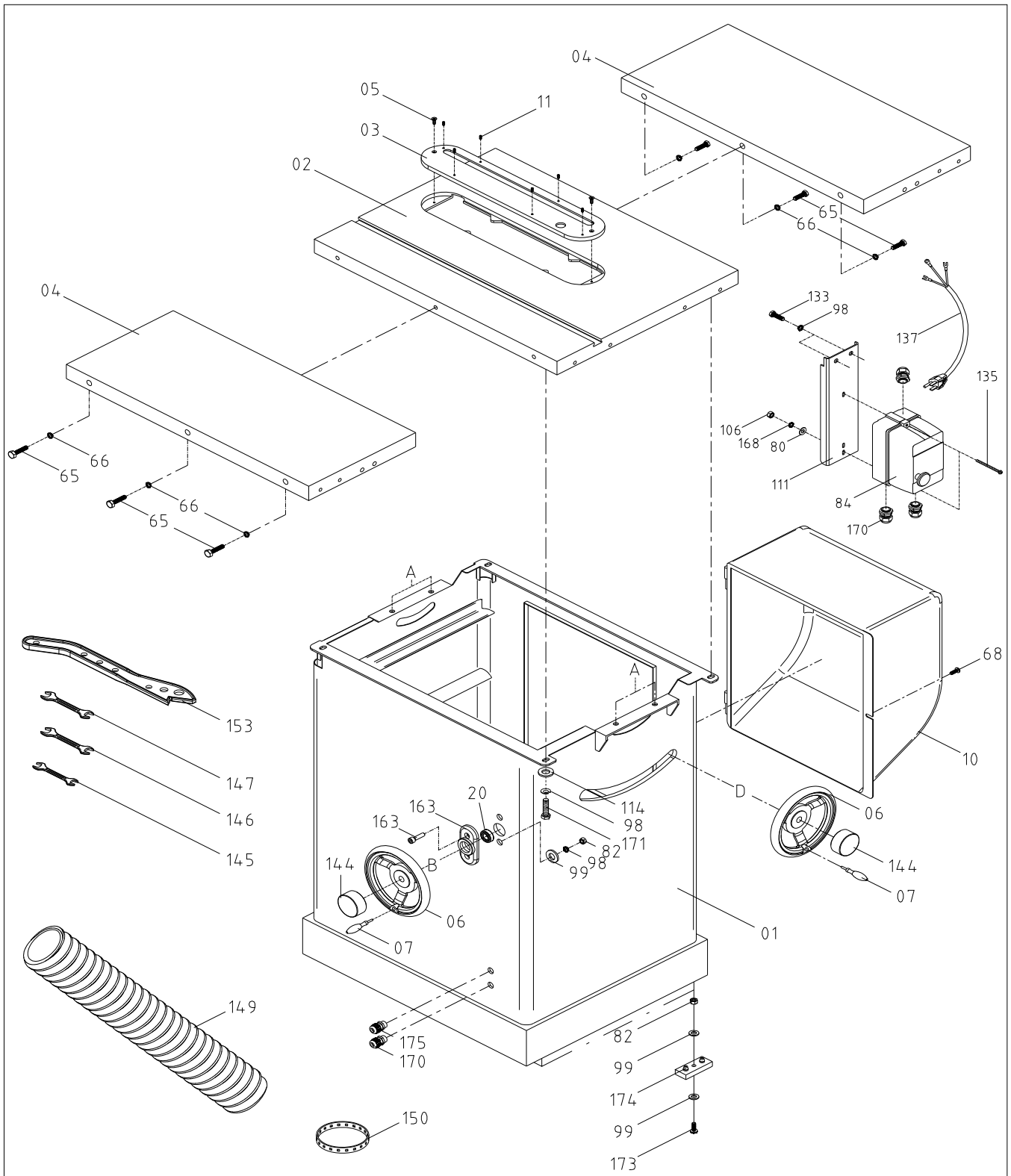
1. The unpainted components such as the precision-ground cast-iron table top should be protected with a coat of paste wax and then buffed dry.
2. Regularly vacuum all sawdust from the saw's interior and vacuum the motor openings as well.
3. Check drive belts for wear and correct tension on a regular basis.
4. Check that the blade guard and anti kickback pawls operate properly.

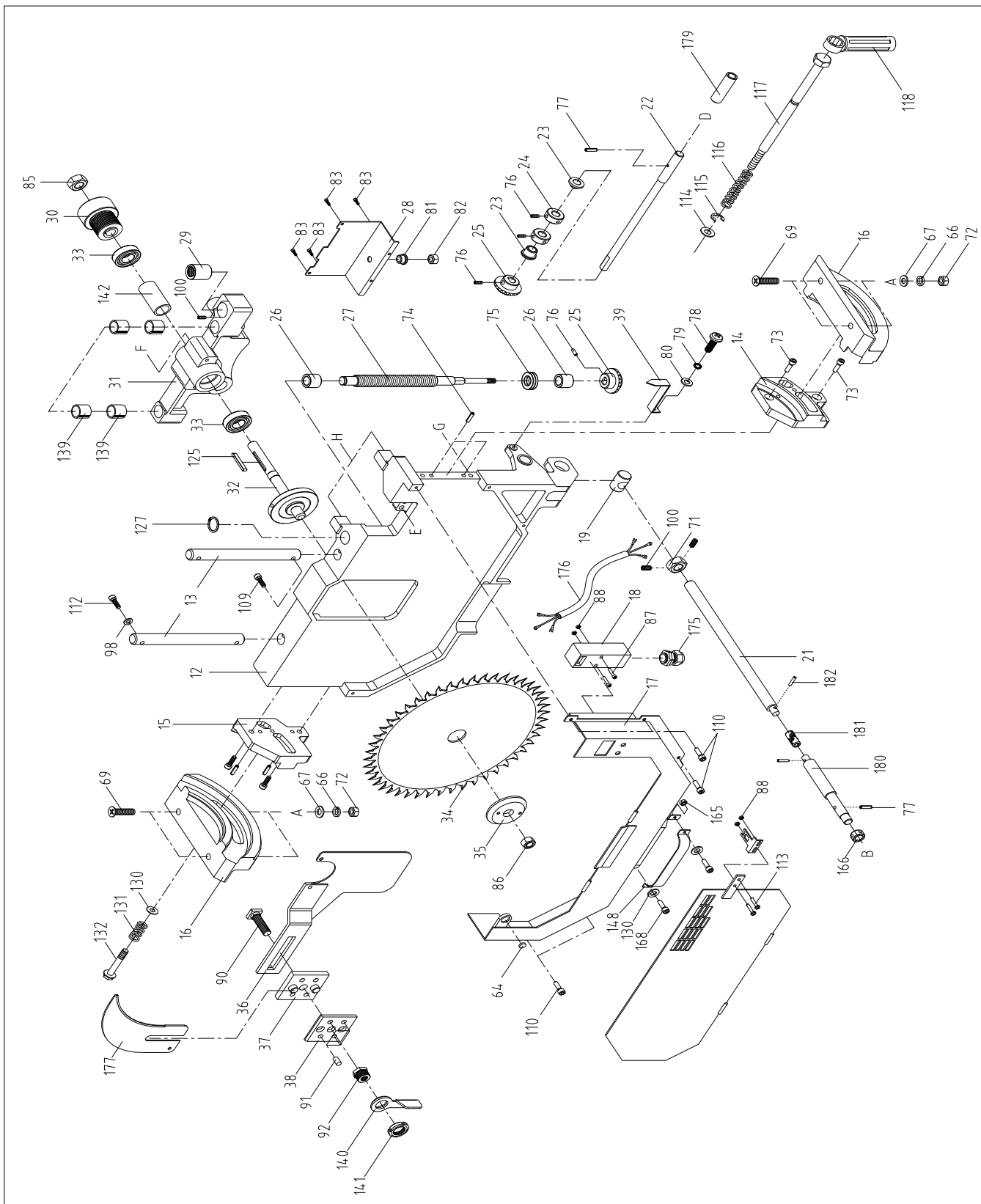
WARNING!

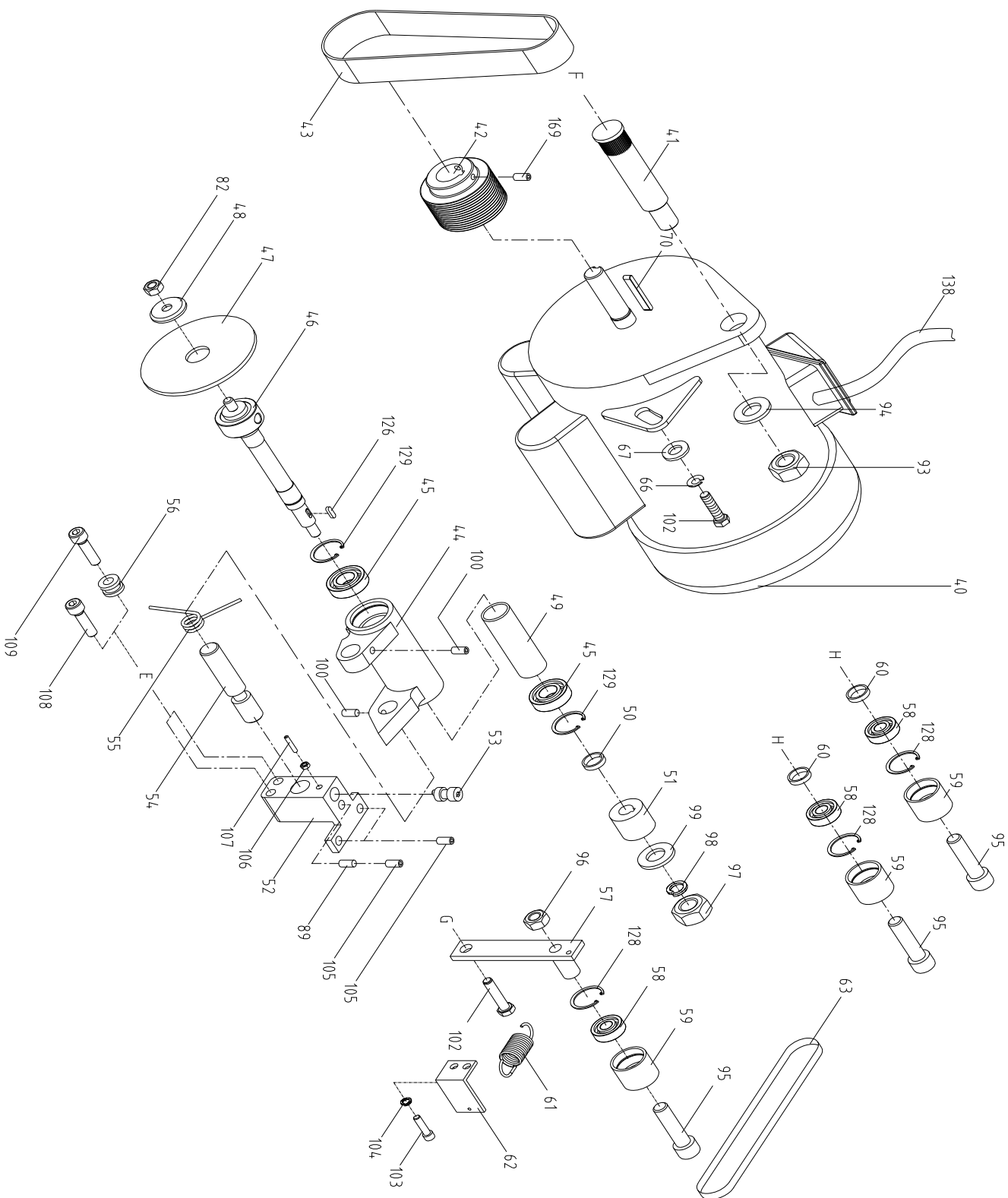
While assembling any part, servicing or making any adjustments, make sure the switch is in the OFF position and the cord is disconnected from the power source. Failure to do so may result in serious personal injury or death.

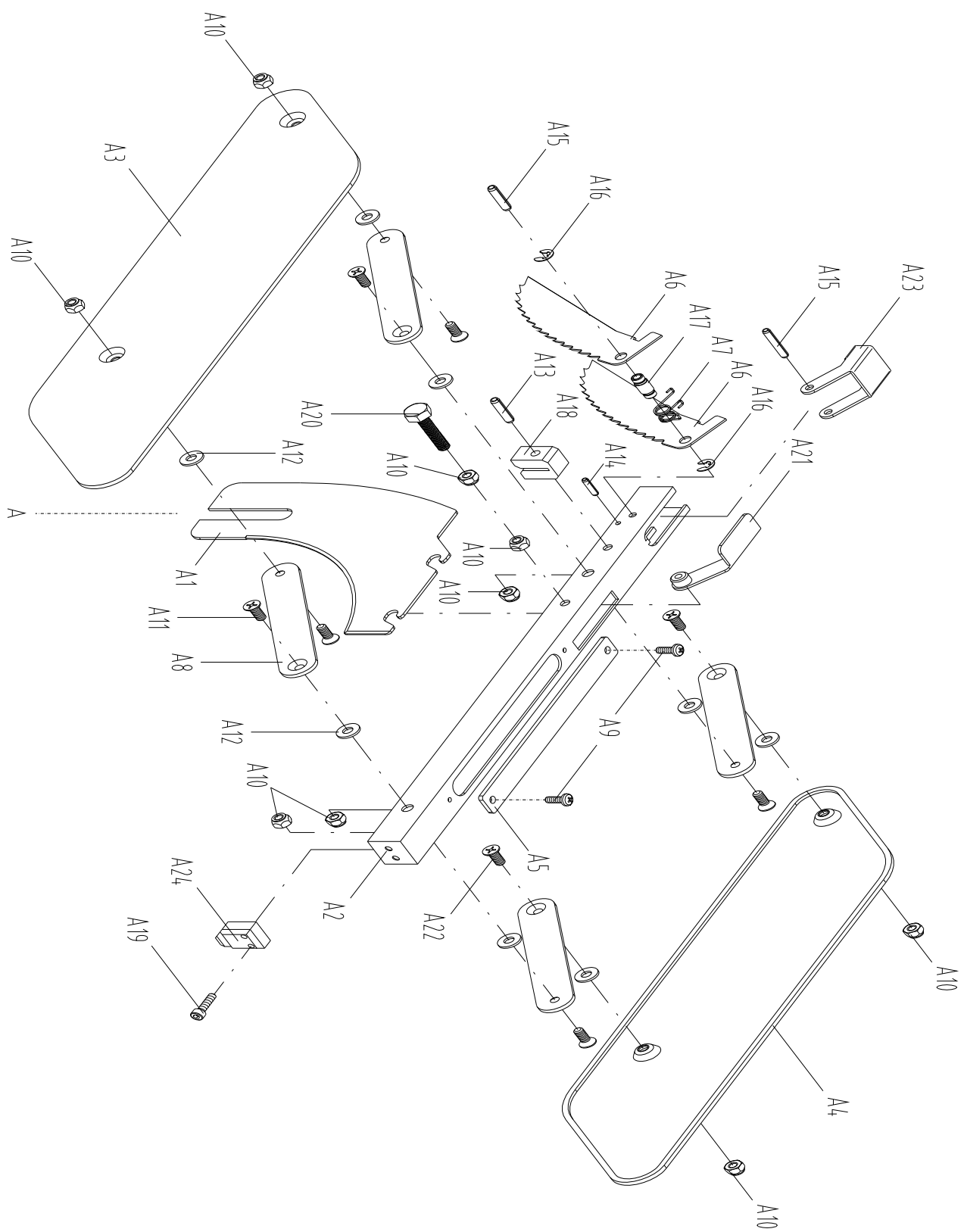
CX204N

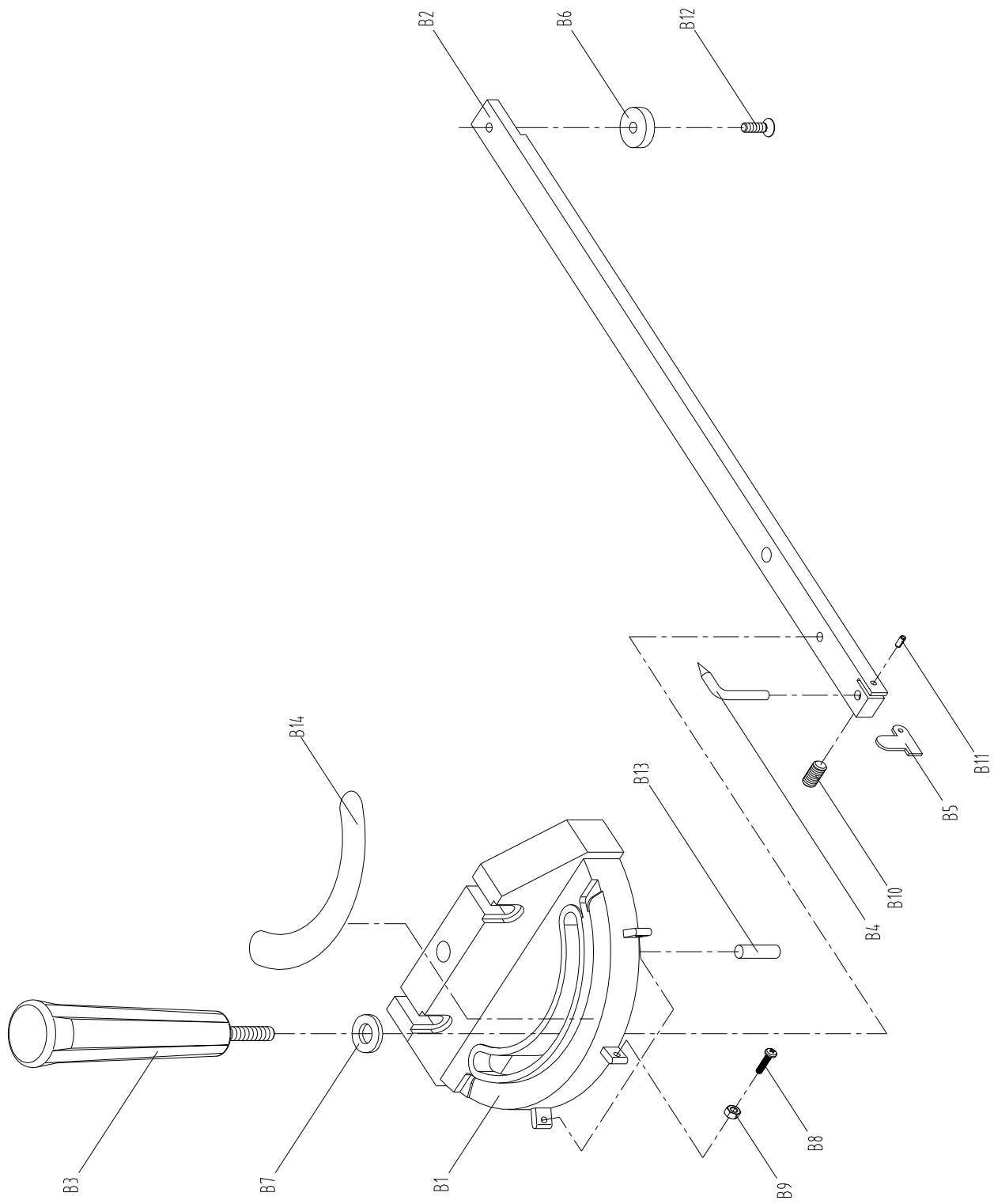
PARTS BREAKDOWN











CX204N **PARTS LIST**

NO.	REF. NO.	DESCRIPTION	Q'TY
1	13100001	CABINET	1
2	13100002	TABLE	1
3	13100003	TABLE INSERT	1
4	E1210005	SOLID EXTENSION WING	2
5	S0040520M	FLAT HD. SCREW M5xP0.8x20	2
6	12700002B	HAND WHEEL	2
7	10108004	HANDLE	2
10	13100004	MOTOR COVER	1
11	S0050508M	SOCKET SCREW M5xP0.8x8	6
12	13100005	BODY PANEL	1
13	12900007	ROD	2
14	12900008	FRONT TRUNNION	1
15	12900009	REAR TRUNNION	1
16	13100006	TRUNNION BRACKET	2
17	13100007	DUST COVER	1
18	W1230002	SWITCH	1
19	12500008	ROD CAP	1
20	C1106201	BEARING 6201	1
21	129A0022	ANGLE ROD	1
22	12900013	HAND WHEEL SPINGLE	1
23	20900023	GEAR AXLE SLEEVE	2
24	20900024	RING	2
25	20900022	BEVEL GEAR	2
26	20900028	SLEEVE	2
27	12900031	ELEVATION ROD	1
28	12900014	GEAR COVER	1
29	20900019	ROD SLEEVE	1
30	12900015	COMPOUND PULLEY	1
31	13100008	ELEVATION SEAT	1
32	13100014	SPINDLE	1
33	C1106202	BEARING 6202LU	2
34	B0000000	10" SAW BLADE (OPTIONAL)	1
35	10105069Q	FLANGE	1

36	13100009	RIVING KNIFE BRACKET	1
37	12300118J	SLIDE PLATE	1
38	12300125J	PLATE FIXER	1
39	13100010	POINTER	1
40	M1290002	MOTOR	1
41	12100019	BRACKET SPINDLE	1
42	12500015A	MOTOR PULLEY	1
43	V12912190	DITCH BELT	1
44	12300129	SCORING BLADE CONNECTOR	1
45	C1206002	BEARING 6002	2
46	12300127	SCORING BLADE SPINDLE	1
47	B1230002	SCORING BLADE (OPTIONAL)	1
48	1200126J	SCORING BLADE DEPRESSOR	1
49	12300182J	SPINDLE SLEEVE	1
50	12900020	SCORING BLADE SLEEVE	1
51	12300134	PULLEY	1
52	12300132	CONNECTOR FIXER	1
53	12300133	ADJUSTING ROD	1
54	12300128	SCORING BLADE CONNECTOR SPINDLE	1
55	12300130	SPRING	1
56	12300131	BUSHING	1
57	12300137	PULLEY BRACKET	1
58	C1106000	BEARING	3
59	12300135	PULLEY	3
60	12300103	PULLEY SPACER	2
61	12900033	SPRING	1
62	12900036	SPRING FIXED PLATE	1
63	V1310002	BELT	1
64	12300168J	MAGNET	1
65	S0021016M	HEX. SCREW M10*P1.5*16	6
66	S0231000M	SPRING SPACER Ø10	6
67	S0210700	FLAT WASHER Ø10*25	4
68	S0010420	HEX. SCREW 1/4"*20UNC*1/4"	1
69	S0041030M	FLAT HEAD SCREW M10*30	4
70	S0300525	KEY 5x5x25	1
71	123B00096	LEAD SCREW NUT	2
72	S0111000M	HEX. NUT M10*P1.25	4

73	S0010502	HEX. SCREW 5/16"-18UNC*3/4"	4
74	10102030	PIN Ø6.3*20	4
75	C5151102	BEARING 51102	1
76	S0050610M	SET SCREW M6*P10*10	6
77	S0310426	PIN Ø4*26	2
78	S0030510M	ROUND HEAD SCREW M5*P0.8*10	1
79	S0220500M	TEETH WASHER 5mm	1
80	S0210303a	FLAT WASHER 5.2*12*1t	3
81	20701006	BEARING	1
82	S0110800M	HEX. NUT M8*P1.25	8
83	S0030408M	ROUND HEAD SCREW M4*P0.7*8	4
84	W2092301	MAGNETIC SWITCH	1
85	S0110900	SPINDLE NUT	1
86	10105068a	HEX. NUT 5/8"*18TL	1
87	S0010440M	HEX. SCREW M4-P0.7-40L	2
88	S0120400M	LOCK NUT M4*P0.7	2
89	12300179J	COPPER COLUMN	1
90	12900039	QUICK RELEASE SCREW	1
91	S0050810M	SET SCREW M8*P1.25*10L	4
92	12900040	QUICK RELEASE NUT	1
93	S1020580	LOCK NUT 5/8"-11UNC	1
94	S0210540	FLAT WASHER 5/8"*16*21	1
95	S0011055M	CAP SCREW M10*P15*55L	3
96	S0121000M	LOCK NUT M10*P15	1
97	S0110800L	HEX. NUT M8*1.25L	1
98	S0230800M	SPRING WASHER Ø8	13
99	S0210516	FLAT WASHER Ø8*16*2t	11
100	S0050606M	SET SCREW M6*P1.0*6L	4
101	S0050303a	SET SCREW 3/16"-24UNC*3/16"	4
102	S0021025M	HEX. SCREW M10*P1.5*25L	1
103	S0010612M	CAP SCREW M6*P1.0*12L	2
104	S0230600M	SPRING WASHER Ø6	2
105	S0050820M	SET SCREW M8*P1.25*20L	3
106	S0110500M	HEX. NUT	3
107	S0050510M	SET SCREW M5*P0.8*10L	1
108	S0010835M	CAP SCREW M8*P1.25*35	3
109	S0010830M	CAP SCREW M8*P1.25*30L	2
110	S0010510M	CAP SCREW M5*P0.8*10L	5

111	11303020	SWITCH PLATE	1
112	S0010820	CAP SCREW M8*P1.25*20L	3
113	S0030415M	ROUND HEAD SCREW M4*P0.7*15L	2
114	S0210500b	FLAT WASHER 8.5*22*3	5
115	S05ETW09	RING ETW-09	1
116	11105081	LOCKING SPRING	1
117	12700029	LOCKING BOLT	1
118	12702019r 11102019b	HANDLE ASSEMBLY	1
125	S0300545	KEY 5*5*45L	1
126	S0400414	KEY 4*4*14L	1
127	S0520015	RING STW-15	1
128	S0530026	RING RTW-26	3
129	S0533200	RING RTW-32	2
130	S0210402	FLAT WASHER 6.2*19*2t	3
131	11105080	SPRING	1
132	11102020M	HEX. SCREW M6*P1.0	1
133	S0020812M	HEX. SCREW M8*P1.25*12	2
134	S0030520M	ROUND HEAD SCREW M5*P0.8*20	2
137	L0000000	WIRE	1
138	L0000000	MOTOR CORD	1
139	C9001920	BEARING	4
140	12900038	QUICK RELEASE HANDLE	1
141	S009AN04	BEARING NUT AN04(M20*P1.0)	1
142	12900037	SHAFT BUSH	1
144	11305031	LOCKING NUT	2
145	S0920017	OPEN END WRENCH 17mm	1
146	S0920019	OPEN END WRENCH 19mm	1
147	S0911012	WRENCH 10-12mm	1
148	12300163	CLIP PLATE	2
149	S1500100M	HOSE Ø100	1
150	12300156a	LOCKING RING	1
151	J1230006	LABEL	1
152	12300154	PUSH STICKER	1
180	129A0021	HAND WHEEL ARBOR	1
181	SNC10042	UNIVERSAL ADAPTOR	1
182	S0374516	PIN 4.5*16.5	2

SAW BLADE GUARD PARTS LIST

A1	13100011	RIVING KNIFE	1
A2	12700005	SUPPORT ARM	1
A3	129A0005	GUARD (LEFT)	1
A4	129A0006	GUARD (RIGHT)	1
A5	12700067	PLASTIC PLATE	1
A7	10606102	ANTI-KICKBACK PAWL	2
A8	10103040	SPRING	1
A9	10103035Q	SUPPORT PLATE	4
A10	S0030304	PHILLIPS HEAD SCREW M5*P0.8*8L	2
A11	S0120600M	LOCK NUT M6*P1.0	10
A12	S0210404	FLAT WASHER 1/4"*23*3t	8
A13	S0310630	PIN Ø6-30	1
A14	S0313528	PIN Ø3.5-28	1
A15	S0310530	PIN Ø5-30	2
A16	S05ETW07	E-RING ETW-7	2
A17	12700051a	SLEEVE	1
A18	12700039a	PAD	1
A19	S0010512M	CAP SCREW M5*P0.8*12L	2
A20	S0020635M	CAP SCREW M6*P1.0*35	1
A21	12700054	HANDLE	1
A22	S0040620M	CROSS HEAD SCREW M6*P1.0*20L	4
A23	12700061	MOUNTING PLATE	1
A24	12700062	GUARD BLOCK	1

MITER GAUGE PARTS LIST

B1	10104046K	MITER GAUGE BODY	1
B2	10104048C	GUIDE BAR	1
B3			
B4			
B3	10104045K	HANDLE	1
B4	10104050	POINTER	1
B5	10104049Q	STOP PLATE	1
B6	10104047	GUIDE WASHER	1
B7	S0210501	FLAT WASHER	1
B8	S0030110	PHILLIPS HEAD SCREW	3
B9	S0110100	HEX NUT	3
B10	S0050404	SET SCREW	1
B11	S0310306	PIN	1
B12	S0040400	FLAT HEAD SCREW	1
B13	10104047K	PIN	1



WARRANTY

CRAFTEX 3 YEARS LIMITED WARRANTY

Craftex warrants every product to be free from defects in materials and agrees to correct such defects where applicable. This warranty covers **three years** for parts and 90 days for labour (unless specified otherwise), to the original purchaser from the date of purchase but does not apply to malfunctions arising directly or indirectly from misuse, abuse, improper installation or assembly, negligence, accidents, repairs or alterations or lack of maintenance.

Proof of purchase is necessary.

All warranty claims are subject to inspection of such products or part thereof and Craftex reserves the right to inspect any returned item before a refund or replacement may be issued.

This warranty shall not apply to consumable products such as blades, bits, belts, cutters, chisels, punches etceteras.

Craftex shall in no event be liable for injuries, accidental or otherwise, death to persons or damage to property or for incidental contingent, special or consequential damages arising from the use of our products.

RETURNS, REPAIRS AND REPLACEMENTS

To return, repair, or replace a Craftex product, you must visit the appropriate Busy Bee Tools showroom or call 1-800-461-BUSY. Craftex is a brand of equipment that is exclusive to Busy Bee Tools.

For replacement parts directly from Busy Bee Tools, for this machine, please call 1-800-461-BUSY (2879), and have your credit card and part number handy.

- All returned merchandise will be subject to a minimum charge of 15% for re-stocking and handling with the following qualifications.
- Returns must be pre-authorized by us in writing.
- We do not accept *collect* shipments.
- Items returned for warranty purposes must be insured and shipped pre-paid to the nearest warehouse
- Returns must be accompanied with a copy of your original invoice as proof of purchase. Returns must be in an un-used condition and shipped in their original packaging a letter explaining your reason for the return. Incurred shipping and handling charges are not refundable.
- Busy Bee will repair or replace the item at our discretion and subject to our inspection.
- Repaired or replaced items will be returned to you pre-paid by our choice of carriers.
- Busy Bee reserves the right to refuse reimbursement or repairs or replacement if a third party without our prior authorization has carried out repairs to the item.
- Repairs made by Busy Bee are warranted for 30 days on parts and labour.
- Any unforeseen repair charges will be reported to you for acceptance prior to making the repairs.
- The Busy Bee Parts & Service Departments are fully equipped to do repairs on all products purchased from us with the exception of some products that require the return to their authorized repair depots. A Busy Bee representative will provide you with the necessary information to have this done.
- For faster service it is advisable to contact the nearest Busy Bee location for parts availability prior to bringing your product in for repairs.