



## 15" WOOD BAND SAW - CT015N



### 3-speed 15" Wood Band Saw - Model CT015N

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### **GENERAL SAFETY INSTRUCTIONS**

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.

• 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 JEWELLERY 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 judgement 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.
- NEVER make crosscuts with the rip fence in place.
- NEVER attempt to cut material that is warped or twisted.
- **NEVER** attempt a procedure if it does not feel safe or comfortable.
- ALWAYS keep blades, knives and bits sharpened and properly aligned.
- ALWAYS keep all safety guards in place and ensure their proper function.

• ALWAYS use push sticks and featherboards to safely feed your work though the machine.

• ALWAYS make sure that any tools used for adjustments are removed before operating the machine.

- ALWAYS secure your work with the appropriate clamps or vises.
- ALWAYS keep bystanders safely away while the tool is in operation.

THINK SAFETY. WORK SAFELY.



### **BAND SAW -CT015N- SAFETY INSTRUCTIONS**

A band saw may not appear to be a dangerous tool but it is always important to use consideration and caution during its operation: remember, a band saw can sever a finger just as easily and quickly as a table saw.

Please take the necessary precautions to ensure the safe operation of your band saw.

• ALWAYS ensure that the blade tension is properly set for the type and width of blade installed.

- ALWAYS ensure that the guide blocks are properly set to prevent blade wander.
- ALWAYS make certain that the bearings are properly adjusted to guide the blade.
- ALWAYS ensure that the band saw teeth are pointing in a downward direction.
- ALWAYS ensure that the band saw blade guard is no more than 1/2" above your stock.
- ALWAYS turn OFF the machine if you are backing out a cut.
- Make relief cuts before cutting short curves.
- **NEVER** turn **ON** the band saw if the blade is in contact with your stock.
- **DO NOT** attempt to remove jammed pieces unless the band saw has come to a complete stop and the power switch has been turned to the **OFF** position.



### **INTRODUCTION**

The Craftex name guarantees excellence, dependability and durability; by following the instructions and procedures laid out in this owner's manual your machine will provide excellent service and satisfaction for years to come. The CT015N 3-speed 15" Band Saw is a professional woodworking tool, and like all power tools, proper care and safety precautions should be exercised at all times.

This owner's manual will take woodworking novices and professionals alike through the step-by-step process of assembling the CT015N Band Saw. As well, troubleshooting tips on how to correct problems with your band saw's operation will serve as handy references throughout the life of the machine. Hold on to this manual and keep it someplace safe when you have completed your assembly.

Note: there will be points in the assembly process where it is helpful to have the assistance of a second person. Please read through the entire manual and familiarize yourself with each step before starting the assembly process.

#### CT015N Features

- Precision-ground cast-iron table
- Table size: 14 inches x 14 inches
- Table tilts right 0 to 45 degrees
- Throat size: 14 1/2 inches
- Heavy-duty cast-iron frame
- Precision balanced aluminum drive wheels with rubber tires
- Blade guides: 3 ball bearings, upper and lower
- Motor: 1HP, 110 volt
- Speeds: 750, 1230 and 2800 FPM
- Maximum cutting height: 6 inches (10 inches with the addition of the Extension Block Riser, Model #CT015EXT)
- Blade width: 1/8 inch to 1 inch
- Blade length: 97 1/2 inches
- Mitre gauge included
- Precision aluminum T-fence with optical cursors
- Safety switch with removable key
- Solid sheet-metal base
- 3-inch dust port with adaptor
- Gross weight: 97kgs
- Two-year Craftex warranty



### <u>3-SPEED 15" WOOD BAND SAW</u> <u>MODEL CT015N FEATURES</u>





### UNPACKING YOUR CT015N BAND SAW

Your Craftex band saw is shipped in one large carton. Before unpacking the parts, be sure to have a clean, well-lit and uncluttered area to take inventory of the carton's contents. Each step in this manual comes with its own parts list and any other tools necessary to complete the assembly step; you may find it helpful to refer to these lists when unpacking the contents and group together the parts for each step as you go (there is also a full parts list at the end of this manual).

Care should be taken when unpacking these machine parts. Safety glasses and work gloves are recommended, as there may be sharp edges and staples that could cause personal injury.

Carefully remove all packing materials and recycle these where facilities exist.

Open all packages, remove the contents, and set the packaging aside; be sure that all packages are empty before discarding them.

After removing the packages of hardware, tilt the shipping carton on its end and slide out the saw table.

**BE CAREFUL**: the saw blade is already installed and exposed. Gently loosen the saw table out of the box by gripping the drive wheel shaft, and then wiggle it the rest of the way out of the box. Once it is out of the shipping carton, lower the guard to cover the saw blade.

Your CT015N Band Saw is shipped with a protective coating on the top surface of the cast-iron saw table to prevent rust and corrosion. This coating should be removed prior to assembly. Use a cloth and mineral spirits or varsol to wipe the surface clean and then dry it with a separate cloth. After it is dry, apply a coat of heavy-duty paste wax and then buff dry (this will help protect the surface from future corrosion).

#### PLEASE READ THROUGH EACH STEP OF THIS MANUAL BEFORE ASSEMBLING YOUR CT015N BAND SAW



# Tools you will need on hand to assemble your CT015N Band Saw:

10mm wrench 10mm wrench socket Phillips screwdriver

Rubber mallet

12mm wrench 12mm wrench socket

14mm wrench 14mm wrench socket Machinist's square Allen keys: supplied

### Optional Accessories for your CT015N Band Saw:

#### **CT001 Circle Cutting Attachment:**

This attachment guides in cutting accurate circles from 4 inches to 24 inches in diameter. The bracket remains on the machine.



#### **CT015EXT Extension Kit:**

This kit includes an extension block, extension rod, blade and blade guard to increase



the cutting height of the band saw from 6 inches to 10 inches.



### STEP ONE: MOTOR MOUNT ASSEMBLY

Parts required (with part#):		Qty:	Tools required:
201:	stand top		14mm wrench
209. 212:	motor plate		
210:	motor knob		E .
213: 205: 214: 215:	eye screw nuts, 5/16" self-locking nuts, 3/8" hex bolt, 3/8" x 1 1/4"		
216: 217:	flat washers, $5/16$ "-20	2	THE
217.	hex bolt, 5/16" x 3/4"	2	
221:	flat washer, 3/8"		

1. With the motor plate/motor mount bracket (part #212) upside down, assemble it to the motor (#209), using 3/4" bolts (#218), washers (#216) and nuts (#205). Tighten only fingertip tight (final tightening will be done when adjusting drive belt tension in STEP FOUR, #8).







### STEP ONE (continued)

Turn the stand top upside down. Insert the eye screw (#213) in the slot on the underside of the stand top using 1 1/4" bolt (#215) and nut (#214). Tighten but ensure that it can still move freely (it should be able to hold its position but still pivot).

3. Slot the motor plate into the stand and bolt in with 3/4" bolts (#217) and nuts (#214). Nuts should be snug but not tight.

4. Slip the eye screw through the hole in the motor plate; slip on washer (#221). Attach the motor knob (#210) to the end of the eye screw.









### STEP TWO: ASSEMBLING THE STAND (three sides only)

Parts r	equired (with part#):	Qty:		Tools required:
202: 206:	stand front (with logo) stand sides		1 2	12mm wrench 12mm wrench socket
203: 204: 205:	carriage bolts, 5/16" x 5/8" flat washers, 5/16"-16 nuts, 5/16"	16	16 16	CRAFTEX
207: 208: 216: 205:	stand foot hex bolts, 5/16" x 1" flat washers, 5/16" nuts, 5/16"	4	4	

1. Following MOTOR MOUNT ASSEMBLY (on previous page), place the top panel on a flat surface with the motor facing up and with the motor fan facing away from you. Fit the right side panel (part #206) around the top panel and gently pull so that the side panel is outside of the top base panel. Insert a carriage bolt (#203) from the outside of the stand and attach on the inside using a washer (#204) and nut (#205). Repeat. There should be two bolts on each side and two on the bottom face (see photo below). Tighten only fingertip tight for now to allow for wiggle room when attaching the front panel (below).





### STEP TWO (continued)

2. Repeat #1 above for the left side panel (#206).



3. Turn the unit around so that the motor fan is facing you and assemble the front panel (#202) to the sides with two bolts on each side. Tighten fingertip tight.



- 4. Tighten all 16 screws: you will have 8 screws at the front (2 screws at each of the left and right front corners, 4 on front panel) and 8 screws on the back and sides (2 at each back corner and 2 at each side).
- 5. Attach a foot (#207) to each corner of the stand at the bottom by slipping a washer (#216) onto a bolt (#208) and through a foot; tighten the foot to the stand with a nut (#205).
- 6. Place the stand upright on the floor (note: a second person is recommended to assist with this step).





### STEP THREE: MOUNTING THE SAW TO THE BASE

Parts	required (with part#):	Qty:	Tools required:
1:	band saw body	1	14mm wrench 14mm wrench socket
31:	hex screws, 3/8" x 2"	4	flashlight
23:	flat washers, 3/8"	4	Phillips screwdriver
	flat washers, 1 1/4"	4	
117:	hex nuts, 3/8"	4	
222:	hex bolts, 3/16" x 3/4"	2	
224:	nuts, 3/16"	2	
225:	washers, 3/16"	4	

- 1. It is advisable to have a second person assist in lifting the band saw body (part #1) onto the stand.
- 2. At the front of the saw stand, open the saw body cover. Thread a washer (#23) through a hex bolt (#31) and drop into one of the corner holes on the saw body. Tighten from below using 1 1/4"washer and nut (#117). Tighten only fingertip tight for the time being.
- 3. Repeat for the remaining three corner holes until saw body is loosely bolted to the stand.





### STEP THREE (continued)

4. Measure the distance from each corner on the base of the saw body to the edge of saw stand table to square up. Once this is done, securely tighten all four bolts (you will need to get on the floor and underneath the table to do this).



 Pull the motor's power cord through the hole in the stand and attach it to the stand using a bolt (#222) and a washer (#225) above and a washer (#225) and a nut (#224) below on each side of the cord. Plug in the cord from the saw.





### STEP FOUR: PULLEYS AND BELTS

Parts	required (with part#):	Qty:	Tools required:
160: 164: 157:	motor pulley pulley shaft bracket knob- screws pulley shaft bracket	1 3 1	Rubber mallet 14mm wrench 14mm wrench socket
157. 158: 162: 159A: 161A:	main pulley drive lower pulley drive small drive belt large drive belt	' 1 1 1 1	

- 1. Remove the tape from the motor drive shaft. Don't lose the key from the shaft; remove it and put it to one side for now.
- Insert the motor pulley (part #160) onto the motor drive shaft, with the setscrew to the inside. Gently tap the pulley onto the shaft using a rubber mallet. Tap in the key. Further tap in the pulley until it is flush with the end of the shaft. Further tap in the key until it is flush with the end of the shaft.
- 3. Open the unit and loosely attach the pulley shaft bracket (#157) from the inside with the knob-screws (#164) and Allen key. They will be tightened up later in #10, below.





### STEP FOUR (continued)

- 4. Mount the main pulley drive (the wheel drive pulley) (#158), the smaller of the two pulley drives, face in to the drive shaft. Insert the key and tap in it with a rubber mallet.
- 5. Mount the lower pulley drive (the idler pulley) (#162) face out and push it in as far along the shaft as it will go. Insert the key and tap it in with a rubber mallet.
- 6. Slip on the small drive belt (the speed selector belt) (#159A) and adjust both the wheel drive pulley and the idler pulley so that the belt runs straight between them. Tighten the setscrew for the wheel drive pulley.
- 7. Slip on the large drive belt (#161A) so that it runs between the idler pulley and the motor pulley. It is necessary to tilt up the motor from below so that the belt fits over the motor pulley. Make sure the belt is not touching the edges of the slot in the stand table; adjust the motor pulley (and the idler pulley, if necessary) in or out so that the belt runs straight. If required, readjust the wheel drive pulley per





above step (loosen its setscrew first). Tighten the setscrews on the drive pulley and the motor pulley.







### STEP FOUR: PULLEYS AND BELTS (continued)

- 8. Tighten the four screws on the motor mounting plate (it will be necessary to get on the floor underneath the stand to do this; see STEP ONE, #1).
- 9. Use the motor knob underneath the unit to adjust the drive belt tension.
- 10. Firmly tighten the knob-screws on the pulley shaft bracket with the Allen key.

#### TIPS ON BELT TENSION:

• How do you know if the belt is at the correct tension? Place your thumb on the outside of one side of the belt and place your index finger on the outside of the other side of the belt. The belt is at the correct tension when you can squeeze it together by a total of about one-half of an inch; there should be just a bit of give on each side.

• If the belt is too tight it will wear down the bearings.

• Under no circumstances should the belt tension be adjusted when the band saw is connected to a power source.

#### NOTES ON SPEED SELECTION:

• Your Craftex CT015N Band Saw enables three speed selections: 750FPM (the belt is positioned on the inner rim of the speed selector pulley); 1230FPM (the belt is positioned on the middle rim of the speed selector pulley); or 2800FPM (the belt is positioned on the outer rim of the speed selector pulley).

• **TURN OFF** the machine and disconnect it from its power source. To select a desired blade speed, the motor unit must be raised, as this will release the tension on the motor drive belt and the speed selector belt. To raise the motor, turn the motor knob, found on the underside of the unit. Make sure the motor is lowered again (and proper belt tension adjustments have been made) before reconnecting the machine to the power source.



### STEP FIVE: ADJUSTING BLADE AND BOTTOM BEARINGS

#### Adjusting Blade Tension and Tracking

- 1. The blade adjustment screw (part #33A) is used to control the tension of the band saw blade. Turning the screw clockwise increases the tension. The blade tension should be released when the saw is out of use for any length of time.
- 2. The tracking knob (#34) to the side of the blade adjustment screw controls the blade's tracking. Turning the knob left or right will alter the lateral movement of the top drive pulley. The tracking knob has a lock nut and must be loosened to change the tracking; be sure to retighten it before turning the saw back on. The blade should be positioned in the centre of the wheel.

#### TIPS ON ADJUSTING BLADE TENSION AND TRACKING:

Track the blade each time you put a new or different blade on the band saw. Make sure the machine is unplugged before making any adjustments.
Ideal blade tension may vary with the type of blade you use and the type or thickness of stock you are cutting. See TROUBLESHOOTING on page 23.

#### **Adjusting Bottom Bearings**

- 3. Do the bottom bearings adjustments before mounting the table bracket and working table.
- 4. Using the Allen key (supplied), position the bottom bearings behind the kerf of the blade. Adjust the thrust bearing so the blade doesn't move when the bearing moves. Tighten with the Allen key. Adjust the side bearings to the same distance from the blade (close but the blade should still run free).



#### **TIP ON ADJUSTING BEARINGS:**

• Fold a piece of paper in half (use paper currency if it's handy). Put it between the bearing and the blade. Adjust the bearing close enough to the blade so that the paper can move freely, the bearing runs free, but the blade doesn't move.



### STEP SIX: ASSEMBLING THE SAW TABLE

Parts	required (with part#):	Qty:		Tools required:
89:	table bracket	1		12mm wrench
79A:	working table	1		rubber mallet
77:	table centre insert		1	machinist's square
80:	table pin		1	
92:	lock knobs		2	
87:	hex screws, 5/16" x 1 1/4"	2		
88:	flat washers, 5/16"	2		
116:	hex bolt, 3/8" x 3"		1	
117:	hex nut, 3/8"	1		

- Mount the table bracket (part #89) over the two vertical pins. Attach the two hex screws (#87) with washers (#88) to secure the table bracket to the unit.
- 2. Remove the table pin (#80) from the working table (#79A).



 Insert the working table and turn it until the bottom bolts drop into the corresponding

holes on the table bracket. Tighten on the lock knobs (#92) to the bottom bolts underneath the table bracket.

- 4. Tilt up the working table. Insert the bolt (#116) and nut (#117) into the table bracket until the surface of the table when lowered is at a 90-degree angle to the blade (confirm with a square). Adjust the scale pointer underneath the table to zero degrees. To adjust the table angle when cutting, adjust the lock knobs.
- 5. Clean the working table surface with a clean cloth and mineral spirits or varsol (if you have not done so already).
- 6. Insert the table centre (#77) and tap in the table pin (#80), small tapered side first.





### STEP SEVEN: ASSEMBLING THE FENCE

Parts	required (with part#):	Qty:		Tools required:
<b>E</b> 4.	fanaa hadu		1	
FI:	Tence body		I	Allen key
F11:	scale (tape measure)		1	
F12:	large fence rail		1	
F15:	L-type plates (brackets)		2	
F16:	knobs , 5/16" x 5/8"	2		
F18:	small fence rail		1	
	separate hardware pack		1	

- 1. Attach the two fence brackets (part #F15) to the left side of the saw table using cap screws and an Allen key. Loosely screw in the knobs (#F16) into the brackets from below, attaching with a square nut.
- 2. Slide on the front rail (#F12) along the track; tighten the knobs (#F16) according to where you prefer to position the front rail.



- 3. Using the Allen key, attach the back rail (#F18) directly to the table (on the right side). Tighten.
- 4. With the locking handle in the raised position, slip on the fence body (#F1).
- 5. Check that all parts are aligned as they should be:
  - the fence should be precisely perpendicular (90°) to the front rail; and
  - the front rail should be precisely parallel to the band saw table edge.

If necessary, adjust and retighten the Allen screws on the fences and the rail to ensure these measurements. Periodically check the fence for accuracy (ensure the locking handle is up before adjusting any screws).

6. Apply the measuring tape (#F11) to the top of the front rail.



### STEP EIGHT: ADJUSTING THE TOP BEARINGS

Tools required: 10mm wrench 10mm wrench socket

- 1. Remove (raise) the saw blade guard by loosening the screws.
- 2. Adjust the top bearings using the same principles as the adjustments to the bottom bearings (see STEP FIVE, page 17).
- 3. Remember: the bearings will need to be adjusted each time the blade is changed.





### STEP NINE: ATTACHING THE DUST COLLECTION HOSE, PULLEY COVER AND BACK PANEL

Parts required (with part#):		Qty:		Tools required:
	dust collection hose	1		Phillips screwdriver
154:	pulley cover		1	12mm wrench
202:	stand brace		1	12mm wrench socket
153:	pan screws, 3/16" x 1/2"		2	
203:	carriage bolts, 5/16" x 5/8"	4		
204:	flat washers, 5/16"-16		4	
205:	nuts, 5/16"		4	

- Attach the dust collection hose to the exhaust port on the right side of the unit using the attached clamp. (Note: the accumulation of dust on a motor can cause it to overheat and break down. Be sure to keep your work area dust-free.)
- Position the pulley cover (part #154) so that it sits flat on the stand and flush against the right side of the unit. Attach it to the



stand using pan screws (#153). Thread these into the stand and tighten.

- 3. Before installing the back panel, turn on your machine and make sure you are happy with the belt tensions. Remember, turn off the machine and unplug it before making any adjustments.
- Turn off the machine and unplug it again. Attach the back panel for the stand (#202) using remaining four carriage bolts (#203), washers (#204) and nuts (#205) (it will be necessary to get on the floor under the machine to do this).

TAKE A MOMENT TO REVIEW THAT EVERYTHING IS IN ORDER, ALL NUTS AND BOLTS ARE TIGHTENED AND YOUR SAW IS READY TO MAKE ITS FIRST CUT.



### TROUBLESHOOTING: General

#### **Problem**

The band saw won't start when switched on.

The band saw and stand are vibrating too much.

The stock does not slide easily on the table.

The stock is cut at a different angle from the degree indicated on the scale.

The belts are slipping on the pulleys.

#### **Solution**

The machine is not plugged in; plug in the machine to the power outlet. Check your fuses and circuit breaker. Check the power cord for any damage.

If the floor is uneven, move the machine to a flat floor surface. Make sure the saw unit is tightly mounted to the stand. Check the tension on the drive belt.

The table is dirty or sticky; clean it mineral spirits or varsol. Remove the table insert and clean underneath to remove any debris that may cause the insert to impede the movement of your stock.

The scale is out of alignment. Adjust the bolt in the table bracket to square the table to the blade at a 90-degree angle. Readjust the scale back to zero.

Check the belt tension and adjust as necessary.



### TROUBLESHOOTING: Saw Blade

#### Problem

The blade is caught in the stock or is turning too tightly or too loosely on a curve.

Stock is feeding too quickly into the blade.

The blade is dull or it breaks.

The blade is twisted or bent. The blade makes excessive noise when the saw is running.

The blade slips off the saw or will not stay in the centre of the bearings.

#### Solution

Make sure your kerf is open; do not squeeze it closed when cutting. Tailor the quality and size of your blade to the type and thickness of the stock you are cutting; refer to the blade packaging for appropriate usage.

Feed the stock more slowly. Feeding it too fast may also cause your blade to overheat and break.

The blade is old; replace the blade. The blade has overheated; consider using a larger or coarser blade. The blade tension may be incorrect; adjust the blade tension.

If the blade is hitting the centre insert as it runs through, remove the blade and try to straighten the kink. If this doesn't work, replace the blade. The blade may be cracked and needs replacing.

Decrease or increase the blade tension; if the blade is too tight or too loose, it can slip. Realign the tracking and the bearings every time the blade is changed.



### CT015N 3-SPEED 15" BAND SAW SCHEMATIC DIAGRAM - FRAME





### CT015N 3-SPEED 15" BAND SAW SCHEMATIC DIAGRAM - CASE





### CT015N 3-SPEED 15" BAND SAW SCHEMATIC DIAGRAM – BASE AND MOTOR





### CT015N 3-SPEED 15" BAND SAW SCHEMATIC DIAGRAM – TABLE





### CT015N 3-SPEED 15" BAND SAW SCHEMATIC DIAGRAM – FENCE





### PARTS LIST

PART#	DESCRIPTION	QTY
1	Body	1
2	Arm	1
3	Hex Screw	1
4	Washer	1
5	Hex Nut	1
6	Pin	2
7	Cord Holder	2
8	Motor Cord	1
9	Power Cord	1
10	Bearing Base	1
11	Bearing 6203	2
12	****	
13	Key 5*5*20	1
14	Lock Washer	3
15	3-in-1 CAP Screw	4
16A	Knob Bolt 5/16*1	1
17	Lock Washer	2
18	Pin 5*25	2
19	****	
20	****	
21	****	
22	****	
23	Flat Washer 3/8	8
24	CAP Screw 1/4*7/8	3
25	Bar Setting Plate	1
26	Spring	2
27	Flat Washer 5/16	2
28	Hex Screw 5/16*1 1/4	2
29	Nut 5/16	1
30	Guard Sleeve (L)	2
30A	Guard Sleeve (S)	2
31	Hex Screw 3/8*2	4
32	Sliding Bracket	1
33A	Blade Adjusting Screw	1

PART#	DESCRIPTION	QTY
34	Knob	1
35A	Blade Guard	1
36	Spring	1
37	Square Nut	1
38	Shaft Hinge Assembly	1
39	Pan Screw 3/16*1/2	3
40	Steel Pin	2
41	****	
42	Inner Wheel Cover	1
43	****	
44	Screw	2
45	Bearing 6202	2
46	C-Ring R35	2
47	Upper Wheel	1
48	Wheel Protector	2
49	Hex Nut 1/2	1
50	Blade	1
51A	Switch Plate	1
52	Switch	1
53A	Upper Wheel Cover	1
54	Knob 5/16	4
55A	Lower Wheel Cover	1
56	Set Screw 1/4*1/4	
57	Hex Nut 3/4 (L.H.)	1
58	Lower Wheel	1
59	****	
60	****	
61	****	
62	Guide Post (L)	1
62A	Guide Post (S)	1
63	Upper Support Bracket	1
	– cast iron	
64	****	Ī
65	Hex Screw 1/4*5/8	1
66	****	



PART#	DESCRIPTION	QT
		Y
67	Upper Spacing Sleeve	2
68	Bearing 6200	6
69	C-Ring S10	6
70	****	
71	****	
72	****	
73	Upper Blade Guide	1
74	Flat Washer 1/4	2
75	****	
76	Hex Bolt 1/4*3/8	2
77	Table Insert	1
78	Pin 3*10	1
79A	Working Table (18T)	1
80	Table Pin	1
81	Hex Screw 3/8*2 1/2	2
82	Trunnion Clamp Shoe	2
83	Trunnion	2
84	****	
85	3-in-1 Hex Bolt	6
86	Scale	1
87	Hex Screw 5/16* 1 1/4	2
88	Flat Washer 5/16	2
89	Table Bracket	1
90	Pointer	1
91	Pan Screw 3/16*1/4	1
92	Lock Knob	2
93	3-in-1 Hex Bolt	2
94	Lower Support Bracket	1
	Post	
95	****	
96	****	
97	****	
98	****	
99	****	
100	****	
101A	Guide Bar (18T)	1

PART#	DESCRIPTION	QTY
102	Pointer	1
103	Pan Screw	1
104	****	
105A	Gauge	1
106A	Lock Bolt	1
107	****	
108	****	
109	****	
110	****	
111	****	
112	****	
113	****	
114	****	
115	****	
116	Hex Bolt 3/8*3	
117	Hex Nut 3/8	4
118	Thumb Screw 1/4*3/4	
119	****	
150	Lower Wheel Shaft	1
151	Key 5*5*30	1
152	C-Ring S17	1
153	Pan Screw 3/16*1/2	2
154	Pulley Cover	1
155	Pulley Shaft	1
156	C-Ring S15	3
157	Pulley Shaft Bracket	1
158	Pulley (4)	1
159A	V-Belt M33	1
160	Motor Pulley	1
161A	V-Belt M23	1
162	Pulley (3)	1
163	CAP Screw 1/4*7/8	1
164	Pulley Shaft Bracket	3
	Knob Screws	
165	Guide Shaft	4
166	Support Bracket	2



PART#	DESCRIPTION	QT
		Y
167	Saw Blade Cover Shaft	2
168	Hex Bolt 1/4*3/8	2
169	Upper Hinge	1
170	Phlp Screw M4*6	12
171	Lower Hinge	1
172	Stud Latch	2
173	Lower Locating Shaft	1
174	Upper Locating Shaft	1
175	Catch	2
176	Pan Screw M4*6	2
201	Stand Top	1
202	Stand Brace	2
203	Carriage Bolt 5/16*5/8	20
204	Flat Washer 5/16-16	20
205	Nut 5/16	28
206	Stand Side	2
207	Stand Foot	4
208	Hex Bolt 5/16*1	4
209	Motor	1
210	Knob	1
211	Motor Key	1
212	Motor Plate	1
213	Eye Screw	11
214	Nut 3/8	3
215	Hex Bolt 3/8*1 1/4	1
216	Flat Washer 5/16*20	8
217	Hex Bolt 3/8*3/4	2
218	Hex Bolt 5/16*3/4	4
219	Cord Holder	1
220	Nut	1
221	Washer	1
222	Hex Bolt 3/16*3/4	2
223	Cord Plate	1
224	Nut 3/16	2
225	Flat Washer 3/16	4

PART#	DESCRIPTION	QTY
F01	Fence Body	1
F02	Socket Head Screw	2
	10*25	
F03	Socket Head Screw	2
	5*10	
F04	Fence Base	1
F05	Set Screw 1/4*1/4	2
F06	C-Ring S10	2
F07	Bearing 6200	2
F08	Eccentric Shaft	4
F09	Plate	1
F10	Pin 6*43	1
F11	Scale	1
F12	Large Fence Rail	1
F13	Square Nut	2
F14	CAP Screw 6*30	4
F15	L-Type Plate	2
F16	Knob 5/16*5/8	2
F17	Small Rail Cap	2
F18	Small Rail Fence	1
F19	Pointer	2
F20	CAP Screw 6*10	1
F21	Runner	1
F22	Bearing Shaft	1
F23	Lock Mechanism	1
F24	Nut 8mm	1
F25	Handle	1



### **OPTIONAL BLADES**

Blades(97 ¼")	<u>Width</u>	<u>Pitch</u>	<u>Gauge</u>
CT015018	1/8"	14 RAKER	.025"
CT015316	3/16"	6 HOOK	.025"
CT015316LT**	3/16"	10 RAKER	.025"
CT015014	1⁄4"	6 HOOK	.025"
CT015014LT**	1⁄4"	6 HOOK	.025"
CT015038	3/8"	6 HOOK	.025"
CT015038LT **	3/8"	4 HOOK	.025"
CT015038SKT*	3/8"	4 SKIP	.025"
CT015012	1⁄2"	6 HOOK	.025"
CT015012LT**	1⁄2"	3 HOOK	.025"
CT015012SKT*	1/2"	4 SKIP	.025"
CT015034	3/4"	4 HOOK	.032"
CT01501	1"	2 HOOK	.035"

#### Blades (105" – For use with 4" Extension Block)

	<u>Width</u>	<u>Pitch</u>	<u>Gauge</u>
CT015X316LT**	3/16"	10 TPI	.025"
CT015X38	3/8"	4 HOOK	.025"
CT015X38LT**	3/8"	4 HOOK	.025"
CT015X38SKT*	3/8"	4 SKIP	.025"
CT015X12	1⁄2"	3 HOOK	.025"
CT015X12LT**	1⁄2"	3 HOOK	.025"
CT015X12SKT*	1⁄2"	4 SKIP	.025"
CT015X34	<sup>3</sup> /4"	3 HOOK	.032"
CT015X01	1"	2 HOOK	.035"

\* - Skip Tooth Blade \*\* - Precision Low Tension Blade



### A HELPING HAND



This diagram can come in handy when cutting radii. It is recommended that you try and use the widest blade possible for any job. The reason for this is because wider blades tend to wander less and produce smoother curves. (Never use a wider blade than specified for your machine)

Especially when re-sawing, it is beneficial to use a wider blade and properly apply tension. CT015N has many blades available for use. From  $1/8^{\circ} - 1^{\circ}$ , the CT015N has the ability to tackle many jobs.

