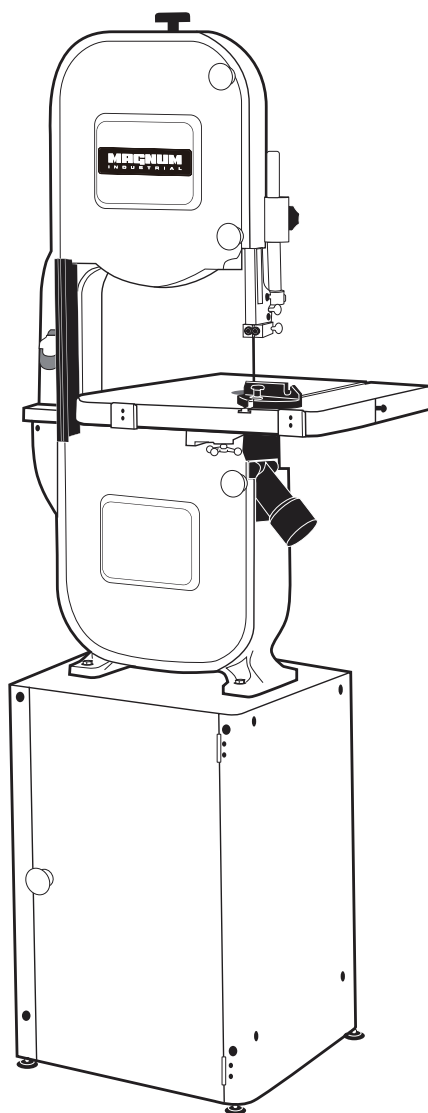


# **MAGNUM**

## **I N D U S T R I A L**

MODEL NO.: MI-91340

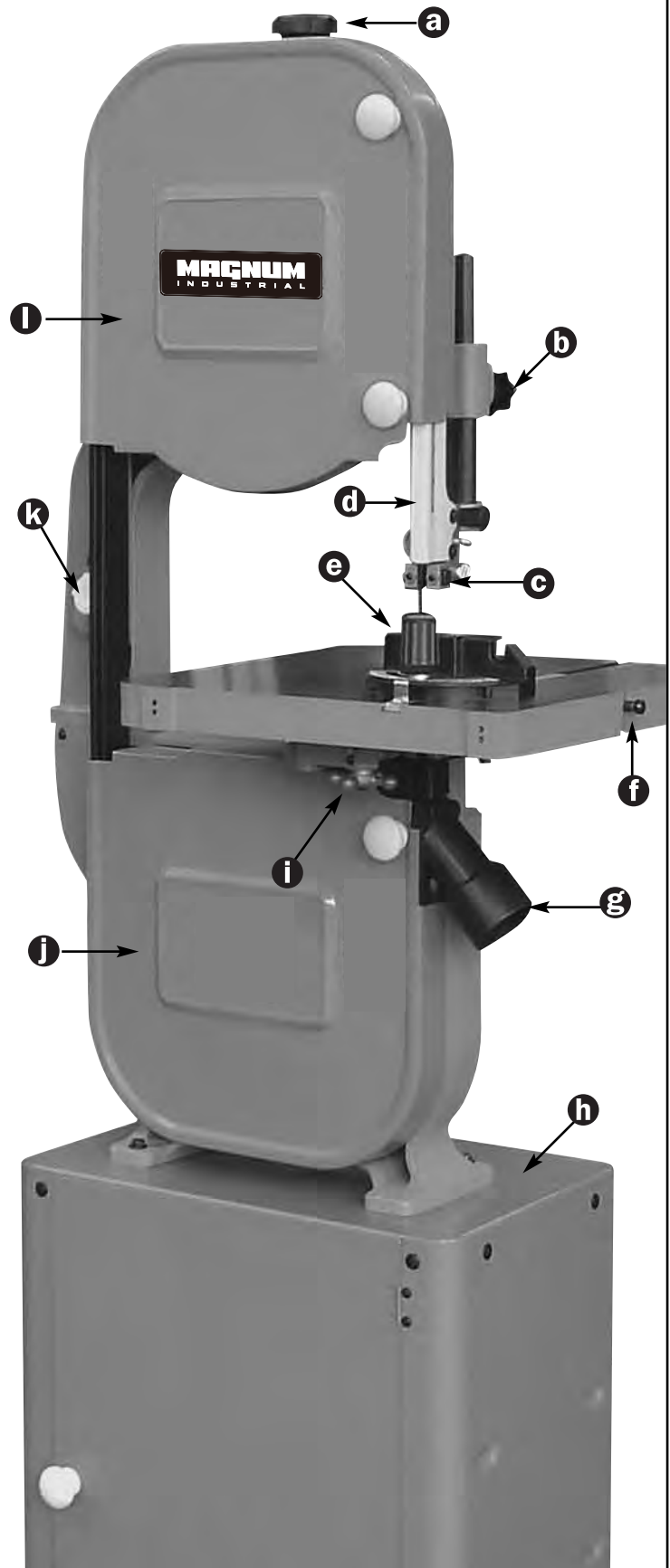


***OPERATING MANUAL***

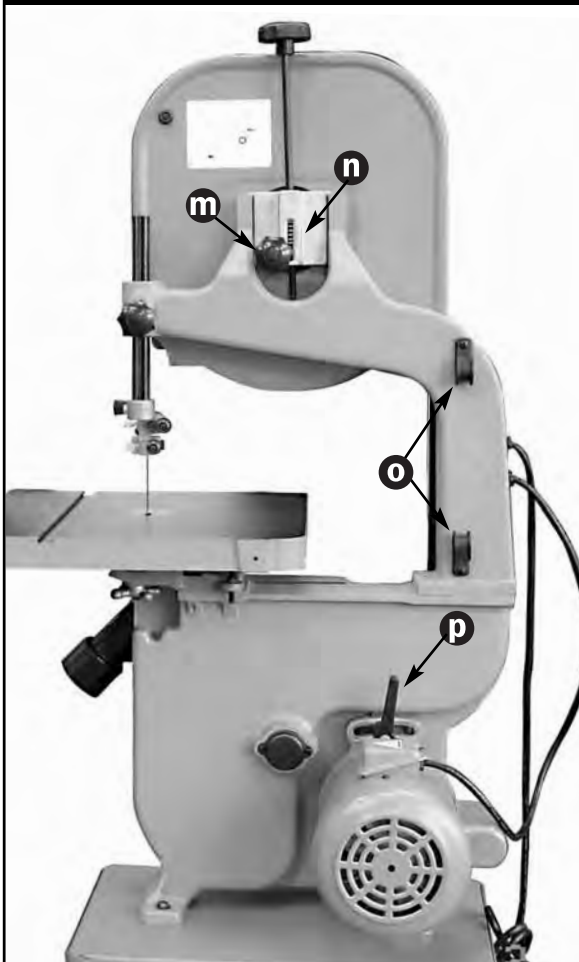
# IDENTIFICATION OF MAIN PARTS AND COMPONENTS

## FRONT VIEW

- a** BLADE TENSION ADJUSTMENT KNOB
- b** BLADE GUARD LOCK KNOB
- c** UPPER BLADE GUIDE ASSEMBLY
- d** BLADE GUARD
- e** MITER GAUGE
- f** TABLE ALIGNMENT PIN
- g** DUST PORT
- h** BASE CABINET
- i** TABLE TILT LOCK KNOB
- j** LOWER WHEEL COVER DOOR
- k** ON/OFF SWITCH W/SAFETY KEY
- l** UPPER WHEEL COVER DOOR



## REAR VIEW



- m** BLADE TRACKING ADJUSTMENT KNOB
- n** BLADE TENSION INDICATOR
- o** POWER CORD STORAGE BRACKETS
- p** MOTOR PIVOT LOCKING LEVER

# UNPACKING

Carefully unpack and remove the unit and its components from its shipping container and check for missing or damaged items as per the list of contents below.

*NOTE: Please report any damaged or missing items to your GENERAL® INTERNATIONAL distributor immediately.*

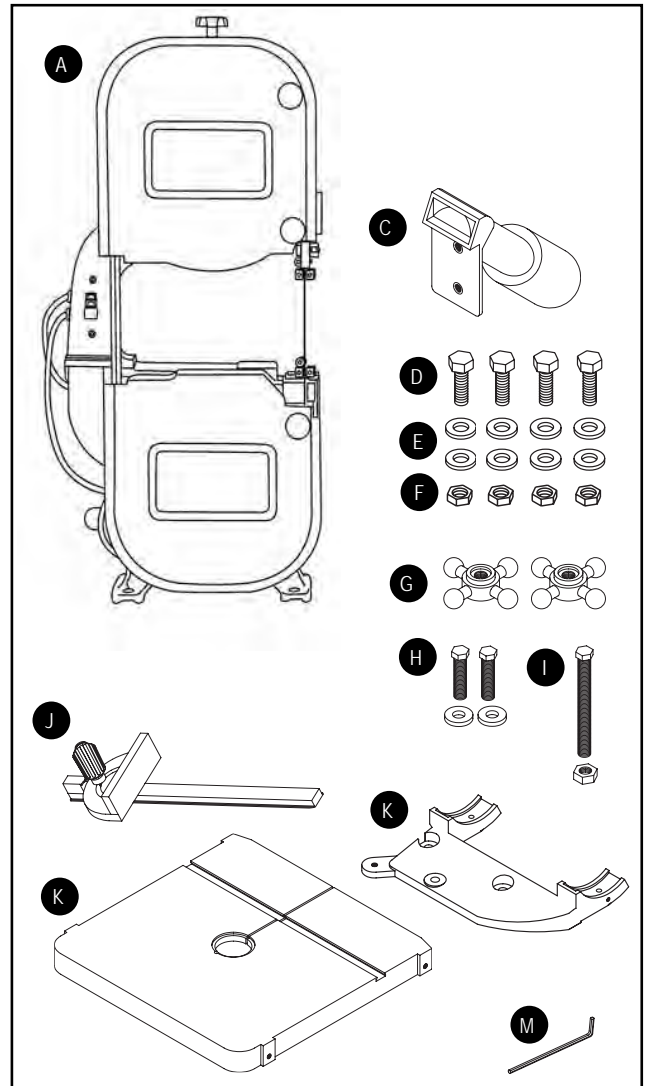
## LIST OF CONTENTS

Once the parts have been removed from the packaging, you should have the following items:

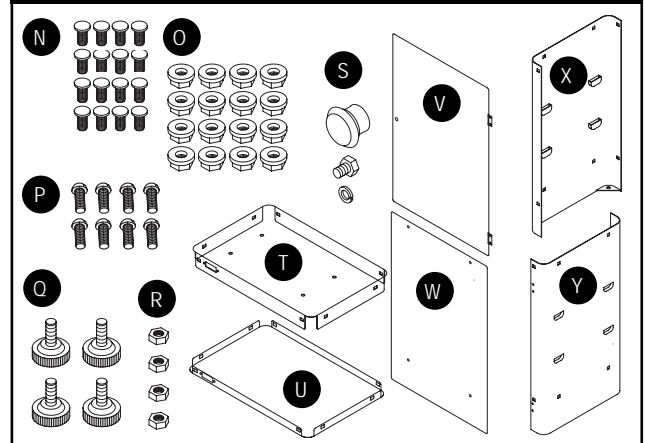
	QTY
A- BANDSAW	1
C- DUST PORT	1
D- HEX HEAD BOLT	4
E- FLAT WASHER	8
F- HEX NUT	4
G- LOCK KNOB	2
H- MEDIUM HEX HEAD BOLT W/FLAT WASHER	2
I- LONG HEX HEAD BOLT W/HEX NUT	1
J- MITER GAUGE	1
K- TABLE TILT BRACKET	1
L- TABLE	1
M- 3 MM ALLEN KEY	1
N- CARRIAGE BOLT	16
O- FLANGE NUT	16
P- PHILLIPS HEAD SCREW	8
Q- LEVELING FOOT	4
R- HEX NUT	4
S- DOOR KNOB W/HEX BOLT AND FLAT WASHER	1
T- STAND TOP PLATE	1
U- STAND TOOL TRAY	1
V- STAND DOOR	1
W- STAND REAR PANEL	1
X- STAND LEFT SIDE PANEL	1
Y- STAND RIGHT SIDE PANEL	1

## ADDITIONAL REQUIREMENTS FOR SET UP

- Extra person for help with lifting
- Phillips screwdriver (regular and small)
- Flat head screwdriver
- 10 mm wrench and 10 mm Hex socket
- 12 mm wrench and 12 mm Hex socket
- 13mm wrench and 13 mm Hex socket
- 14 mm wrench and 14 mm Hex socket
- Feeler gauge set
- Combination square



## STAND ASSEMBLY



**To avoid eye injury from blowing debris, wear safety goggles when blowing out sawdust.**

3. Keep the machine clean and free of sawdust. Frequently blow out or vacuum up the sawdust and wipe down the machine occasionally with a damp rag.

**Note: The wheels must always be kept clean. Dirt on the wheels will cause blade slippage.**

4. Do not allow dirt, pitch or gum to build up on the table, guide/thrust bearings. Clean as needed with gum and pitch remover.

**Note: Do not immerse the bearings in the gum and pitch remover.**

5. To prevent rust from forming on the unpainted cast iron of the table, and so that the wood slides easily while cutting, apply a light coating of paste wax or use regular applications of any after-market surface protectant or rust inhibitor.

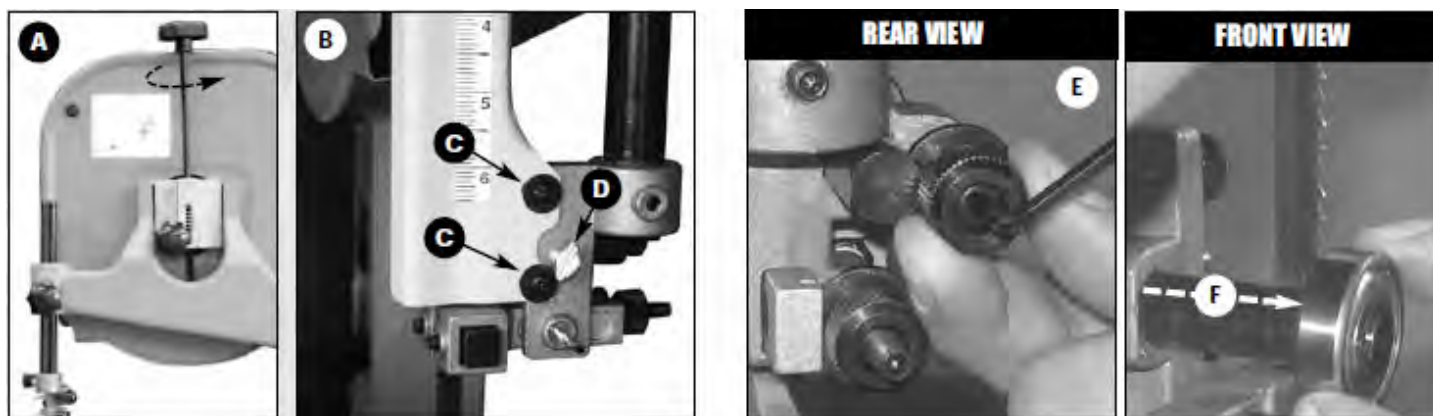
## REQUIRED MAINTENANCE

### REPLACING THE BANDSAW BLADE

The blade should be replaced when worn out. Refer to the following symptoms to determine whether or not it is time to replace the blade:

- It is not cutting as fast.
- It is not able to follow a cutting line as it used to.

### REPLACING THE UPPER AND LOWER THRUST BEARINGS



1. Turn the tension knob A counter-clockwise for the blade to be loose enough to remove easily.
2. Remove the right hand side blade guard B by loosening the two phillips head screws C, just enough to slide it out.
3. Loosen the upper thumb screw D.
6. Use C-ring pliers G to remove the "C ring" H and slide the bearing off the shaft I.
7. Install a new bearing on the mounting shaft
8. Re-install the C-ring.
9. Put the bearing and mounting shaft back in place, re-install the Allen bolt and tighten the upper thumb screw.
10. Re-install the blade-guard.

4. Unscrew the upper Allen bolt using the supplied 3 mm Allen key E.

**Note: Hold the micro adjust nut while unscrewing the Allen bolt, E.**

5. Remove the thrust bearing and mounting shaft F.

**Note: After the upper thrust bearing have been changed, always verify the lower thrust bearing. If needed, replace it proceeding in the same way as with the upper thrust bearing.**

## REMOVING / INSTALLING THE BLADE

Your bandsaw is designed to handle several blade widths ranging from 1/4" and 3/8" used for tight radius curves, up to 1/2" and 3/4" for larger radius curves or for cutting thicker stock.

### BLADE CLEARANCE

**Note: When performing blade installation, removal, tensioning or tracking, maximum clearance between the blade and both upper and lower blade guide assemblies is required to minimize friction, which would be damaging to the blade.**

Proceed as follows:

Move the upper guide blocks away from the blade:

1. Loosen the two set screws A using the supplied 3 mm Allen key.
2. Pull back the 2 upper guide blocks B in their mounting bracket C, as far away as possible from the blade.
3. Tighten the two set screws A to lock the guide blocks in position.

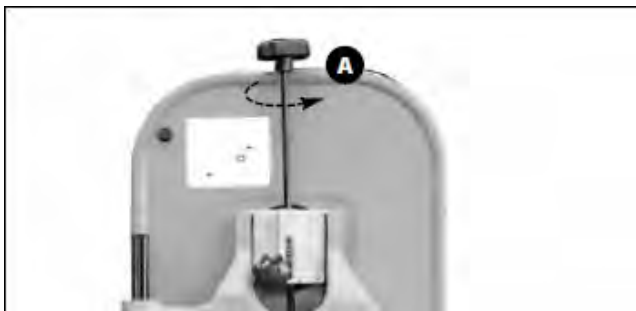
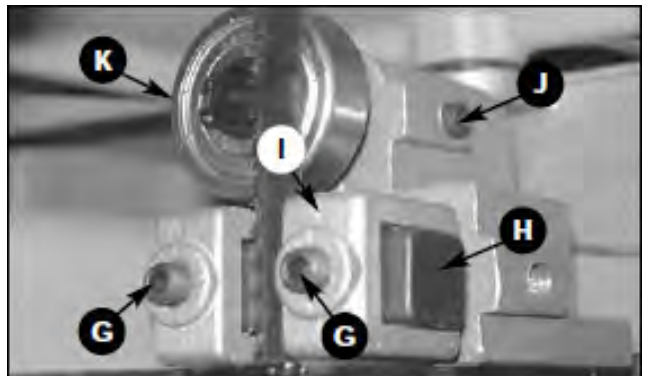
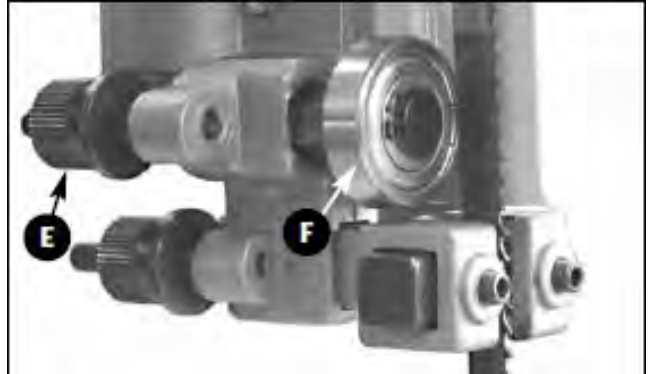
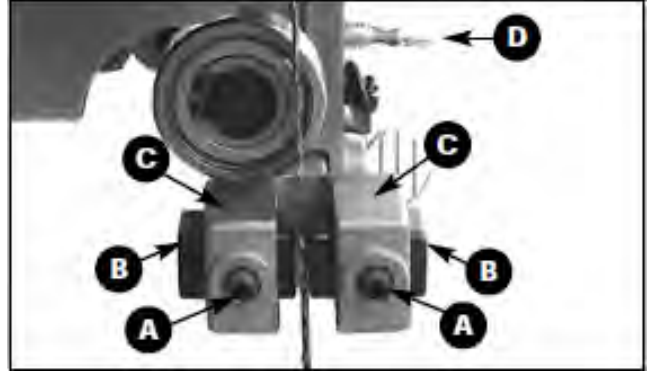
Move the upper thrust bearing back:

1. Loosen the upper thumb screw D.
2. Use the micro adjust nut E to move the thrust bearing F back as far as possible behind the blade.

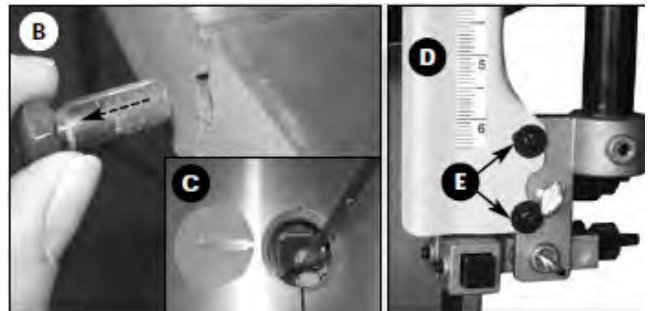
Move the lower guide blocks / thrust bearing away from the blade:

1. Loosen the two set screws G using the supplied 3 mm Allen key.
2. Pull back the 2 lower guide blocks H in their mounting bracket I, as far away as possible from the blade.
3. Tighten the two set screws G to lock the guide blocks in position.
4. Loosen the upper set screw J using the supplied 3 mm Allen key.
5. Manually move the lower thrust bearing K back as far as possible behind the blade.

To remove a blade:



1. Turn off the bandsaw and unplug the power cord.
2. Turn the tension knob A counter-clockwise for the blade to be loose enough to remove easily.



3. Remove the table alignment pin from the table slot B and the red circular insert C from the center of the table.
4. Remove the right hand side blade guard D by loosening the two Phillips head screws E just enough to slide it out



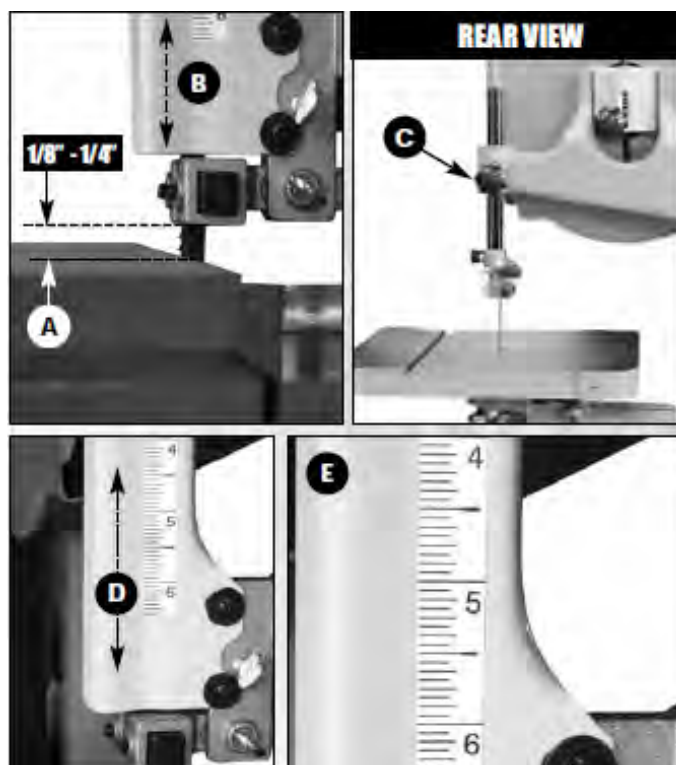
## ADJUSTING THE BLADE GUARD FOR DEPTH OF CUT

The blade guard can be moved up or down to accommodate the height of the work to be cut. To prevent the blade (which is flexible and which would not otherwise be supported) from slipping out of position during cutting, and to reduce risks of injuries, a minimum amount of blade should be exposed.

**The blade guard should be set 1/8" - 1/4" above the workpiece A to prevent the blade from flexing out of position or off-line during cutting.**

Adjust the height of the blade guard B to suit the thickness of the workpiece as follows:

1. Make sure the bandsaw is turned off and the power cord is disconnected from the power source.
2. Loosen the smaller lock knob C.
3. Move the blade guide assembly up or down D, then re-tighten the lock knob C.



**Note: The depth gauge E on the front of the blade guard can be used as a reference but it is not intended for high precision measurements.**

## ADJUSTING THE UPPER GUIDES BLOCKS AND THRUST BEARING

**Note: Before adjusting the upper and lower blade guides and thrust bearings, make sure the blade is tensioned and tracking properly. Adjust the upper and lower blade guides and thrust bearings after each blade tension and tracking adjustment. Whenever the upper blade guide and thrust bearing are adjusted, the lower blade guide and thrust bearing should also be adjusted.**

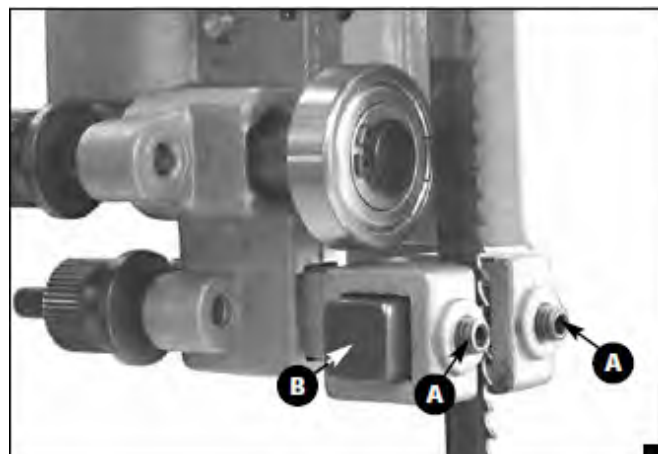
The blade guides blocks keep the blade from moving from side to side during cutting and must be snug but not touching the blade in order to ensure accurate cuts. The space between each block and the blade must not exceed 0.02" (the thickness of a sheet of paper). If less space is left, the blade will get stuck or jammed between both blocks. Too much friction will cause blade to overheat and break. Also, the guide blocks must remain at least 1/32" behind the blade teeth to prevent damage to the blade.

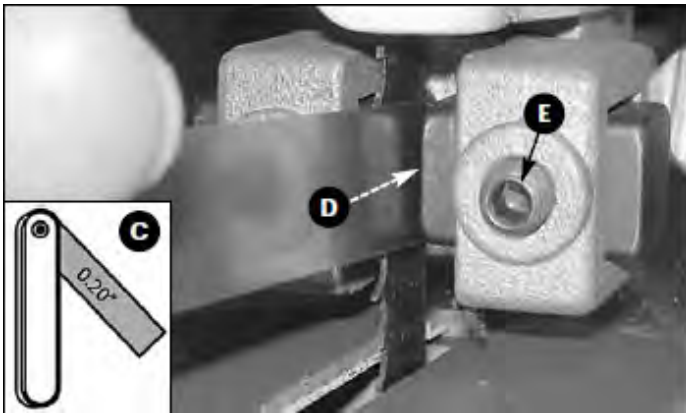
The thrust bearing keeps the blade from moving back and out of position when the work is being fed into the blade and must be very close to the back of the blade to prevent damage to the blade during cutting.

Adjust the positioning of the upper blade guides blocks:

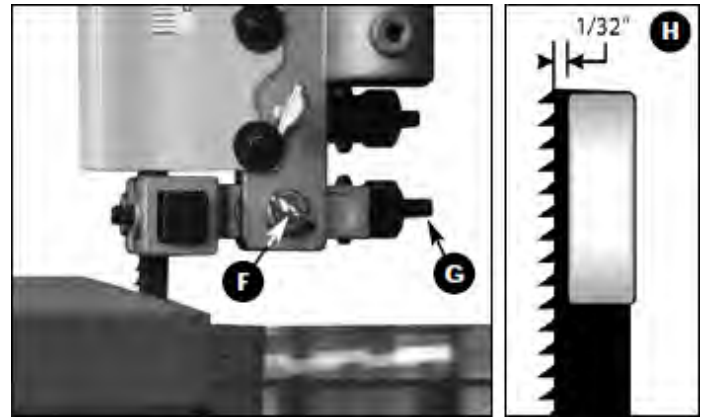
**To avoid injury, make sure that the switch is in the "OFF" position and that the power cord is unplugged before performing any adjustments on the bandsaw.**

1. Loosen the two set screws A using the supplied 3 mm Allen key.
2. Push the guide blocks B towards the blade.





3. Pinch a feeler gauge C between one of the guide blocks and the blade D, and then tighten the set screw E to set the gap between the guide block and the blade.
4. Repeat step 3 for the other guide block on the other side of the blade.

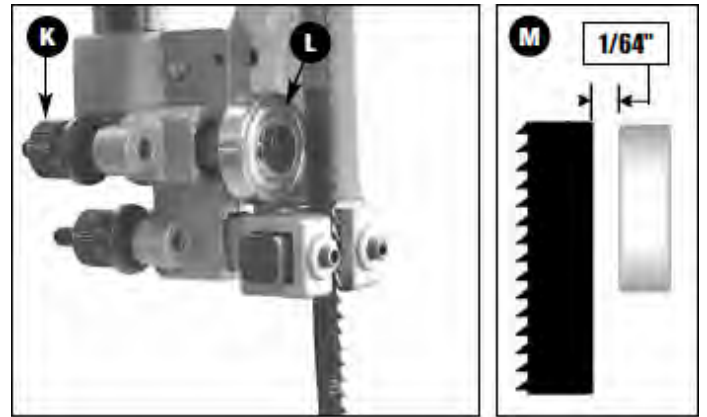


5. Loosen the lower thumb screw F.
6. Turn the micro lower adjust nut G to move the guide block assembly in or out until the guide blocks are at least 1/32" behind the blade teeth H. The guide blocks must remain behind the blade teeth to prevent damage to the blade.
7. Tighten the thumb screw F to lock the guide block assembly in position.

Adjust the positioning of the upper thrust bearing:



1. Loosen the upper thumb screw J.

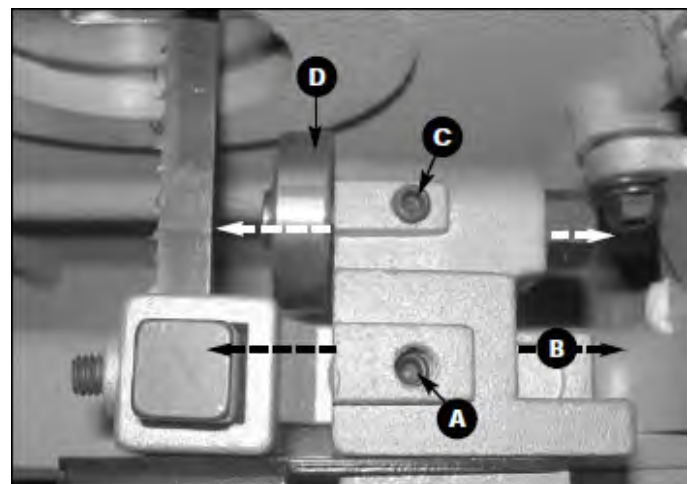


2. Turn the micro adjust nut K to move the thrust bearing L in or out until the bearing is 1/64" behind the back edge of the blade M, then tighten the upper thumb screw J.

## POSITIONING THE LOWER GUIDE BLOCKS AND THRUST BEARING

The lower blade guide blocks and thrust bearing perform the same function as the upper blade guide blocks and thrust bearing except they do so after the blade has contacted the stock being cut.

1. Repeat steps 1 to 4 of section "Adjust the positioning of the upper blade guides blocks" with the lower blade guide blocks.
2. Loosen the lower set screw A using the supplied 3 mm Allen key.
3. Manually move the guide block assembly in or out B until the guide blocks are at least 1/32" behind the blade teeth.
4. Tighten the lower set screw A to lock the guide block assembly in position.
5. Loosen the upper set screw C.
6. Manually move the thrust bearing D in or out until the bearing is 1/64" behind the back edge of the blade, then tighten the upper set screw C.

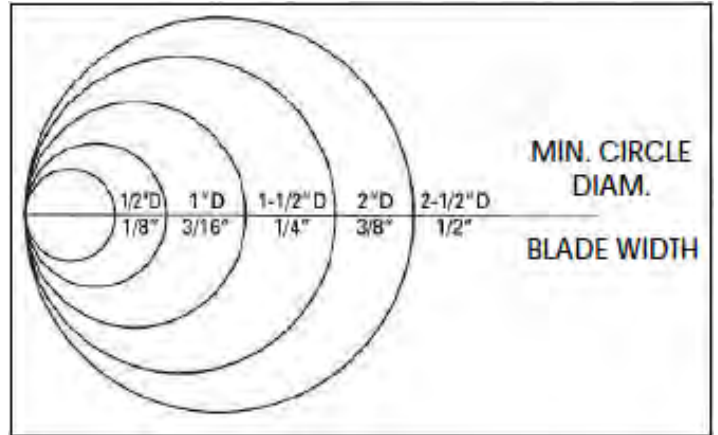


## CUTTING CURVES

- When cutting curves, carefully turn the workpiece so the blade follows without twisting. If the curve is so sharp that you repeatedly back up and cut new kerf, use a narrower blade, or a blade with more set (teeth further apart). When a blade has more set, the workpiece turns easier but the cut is rougher.
- When changing a cut, do not withdraw the workpiece from the blade. The blade may get drawn off the wheels.
- To change a cut, turn the workpiece and cut your way out through the waste material area.
- When cutting long curves, make relief cuts as you go along.

## CUTTING CIRCLES

1. Adjust the blade guard assembly to 1/8" above the workpiece.
2. Use both hands while feeding the work into the blade. Hold the workpiece firmly against the table. Use gentle pressure. Do not force the work. Allow the blade to cut.
3. The smallest diameter circle that can be cut is determined by the width of the blade. For example, a 1/4" wide blade will cut a minimum diameter of approximately 1-1/2" .

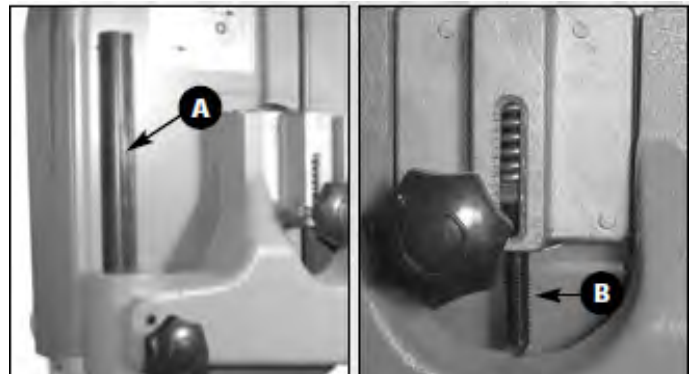


## PERIODIC MAINTENANCE & LUBRICATION

**Disconnect machine from power source, before performing any lubrication or maintenance.**

### LUBRICATION

Keep the rack and pinion A as well as the blade tension adjustment screw B well greased and free of dust or debris. Clean and remove dust, debris, and old grease after every 10-15 hours of use. After cleaning, reapply grease as needed. (Use any all purpose grease.) The motor and all bearings are sealed and permanently lubricated – no further lubrication is required. No other part of this bandsaw needs lubrication.



### PERIODIC MAINTENANCE

**Never operate the bandsaw with any damaged part. Replace a damaged part at the first visible signs of damage.**

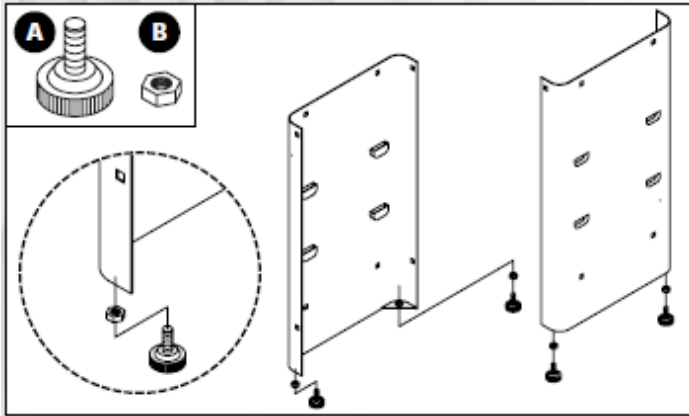
1. Inspect/test the ON/OFF switch before each use. Do not operate the bandsaw with a damaged switch; replace a damaged switch immediately.
2. Periodically inspect the power cord/plug and the blade for damage.



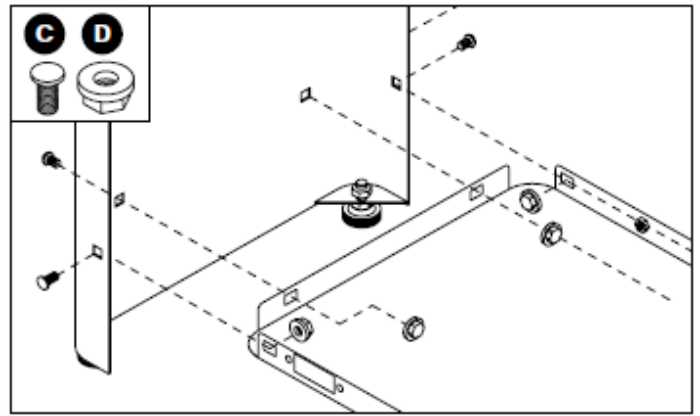
## ASSEMBLY INSTRUCTIONS

SERIOUS PERSONAL INJURY COULD OCCUR IF YOU CONNECT THE MACHINE TO THE POWER SOURCE BEFORE YOU HAVE COMPLETED THE INSTALLATION AND ASSEMBLY STEPS. DO NOT CONNECT THE MACHINE TO THE POWER SOURCE UNTIL INSTRUCTED TO DO SO.

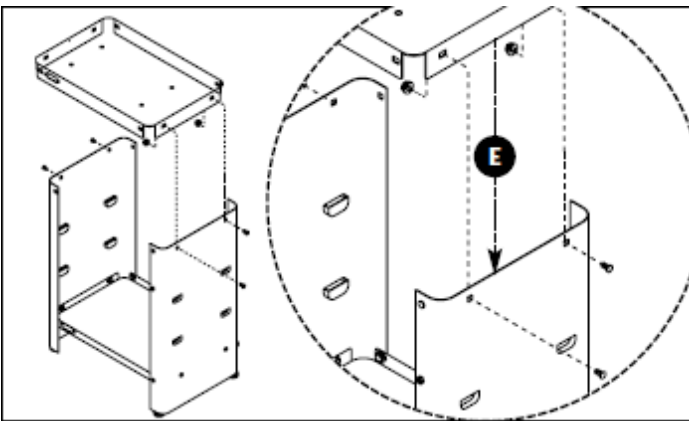
### ASSEMBLE THE BASE CABINET



1. Thread a leveling foot A with a hex nut B on both side panels as shown above.

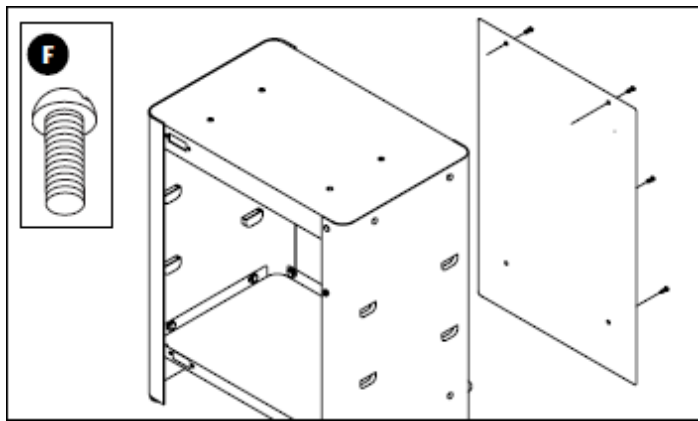


2. Attach the left and right side panels to the tool tray using 8 carriage bolts C and flange nuts D, then tighten using a 12 mm open wrench.

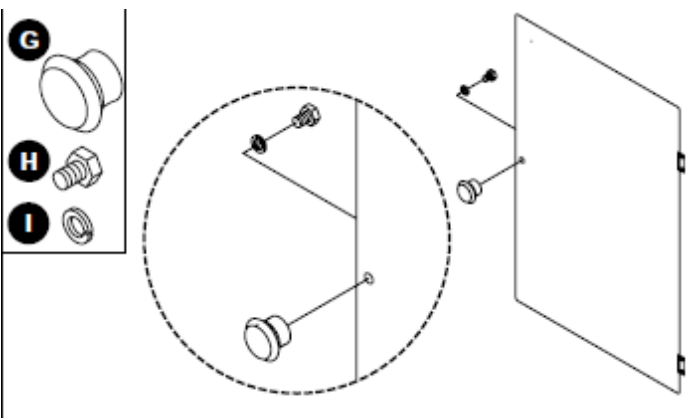


3. Attach the top plate to the left and right side panels using 4 carriage bolts C and flange nuts D as shown above.

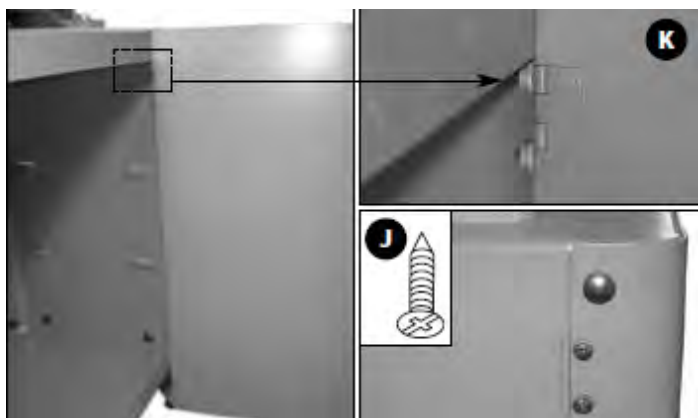
**Note: The flanges of the top plate should fit inside the cabinet E.**



4. Attach the rear panel to the top plate and tool tray using 4 Phillips head screws F as shown above.



5. Attach the door knob G to the door using the supplied hex head bolt H and lock washer I as shown above.



6. Attach the door to the hinges on the right side panel as shown using 4 Phillips head screws J. **Note: Hinges go behind side panel edge K.**

## INSTALL THE BANDSAW ONTO THE BASE CABINET

The bandsaw mounts onto a base cabinet which provides storage space for the miter gauge and replacement blades.

**Important! Make sure all stand fasteners are firmly tightened and that the stand cabinet is installed on a solid, flat and stable floor that is able to support the weight of the bandsaw 191 LBS (87 kg)**

**The bandsaw is heavy. Do not over-exert. The help of an assistant will be needed for the following step.**

**Do not grip the bandsaw by the lower wheel cover door when lifting. Keep hands away from blade at all times.**

1. Position the bandsaw over the four holes on top of the base cabinet.
2. Using a 13 mm open end wrench and a 13 mm socket wrench, secure the bandsaw to the stand as shown using the 4 hex head bolts A, 8 flat washers B and 4 hex nuts C.

**Note: The hex nuts must be tightened from inside the cabinet.**

## ATTACHING THE DUST PORT

The dust port A has a 2 -1/2" opening to accommodate connection to a dust collector (not included). Install the dust outlet on the right side of the bandsaw as follows:

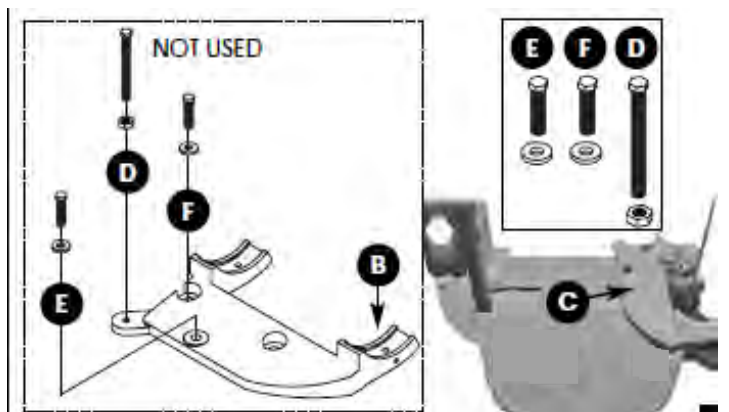
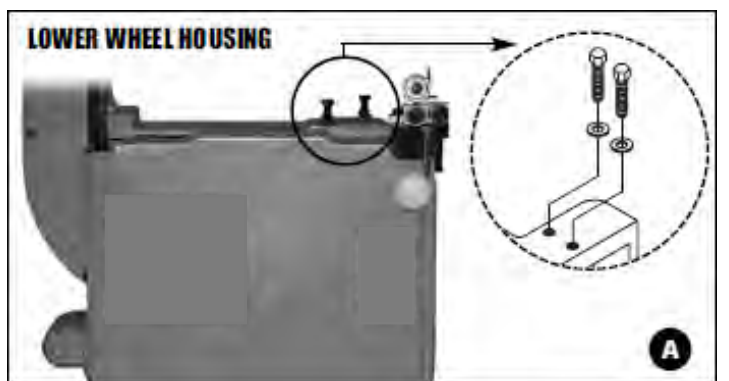
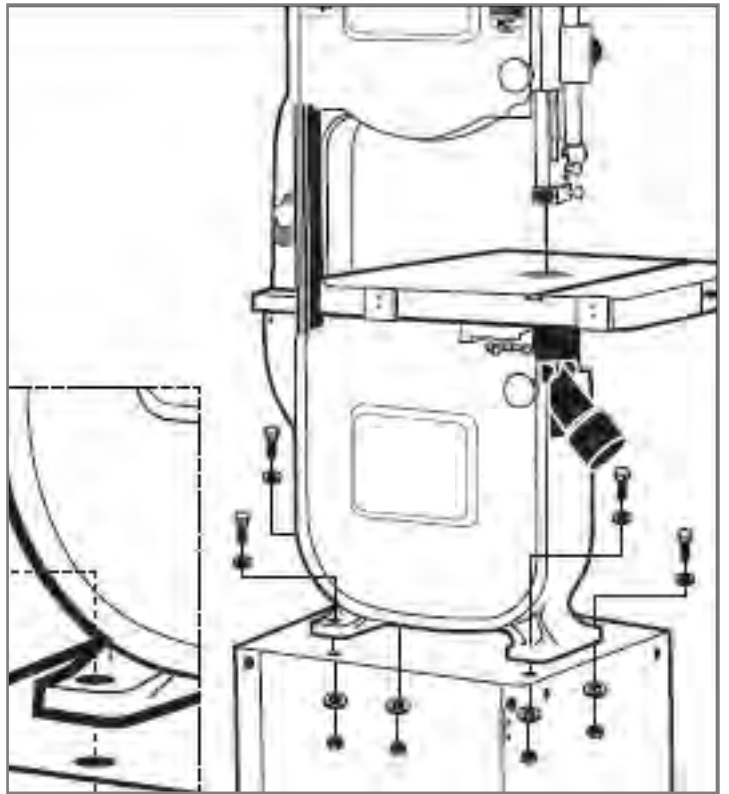
1. Open the lower wheel cover door.
2. Using a 10 mm wrench, attach the dust port to the edge of the door as shown using the hex bolts and washers B already attached to the dust port.

## ATTACHING THE TABLE-TILT BRACKET

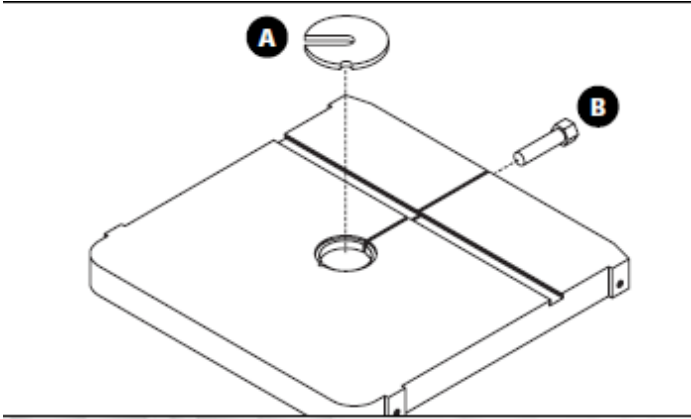
The work table mounts on a bracket which allows adjustment from flat (0°) to any angle up to 45° to the right. Adjustments can be made easily with the angle scale and lock knobs.

1. Remove the two hex bolts and washers from the lower wheel housing A.
2. Place the table-tilt bracket B on the lower wheel housing as shown in C and align holes to the threaded holes in the lower wheel housing (hole D is not used).
3. Place washers on the two hex bolts E and F and insert the bolts through the table-tilt bracket holes and into the threaded holes in the lower wheel housing.
4. Tighten loosely, using a 12 mm open end wrench and 12 mm socket wrench.
5. Thread a nut onto the longer table-stop bolt D and screw the bolt into the hole on the rear tab of the table tilt bracket.

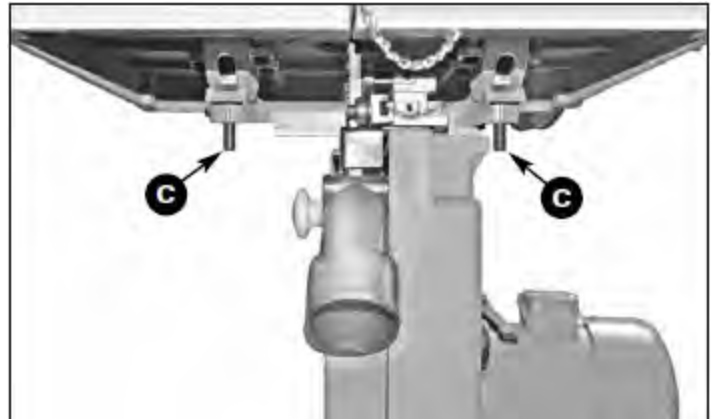
**\* Final tightening will be done after centering the table opening with the blade.**



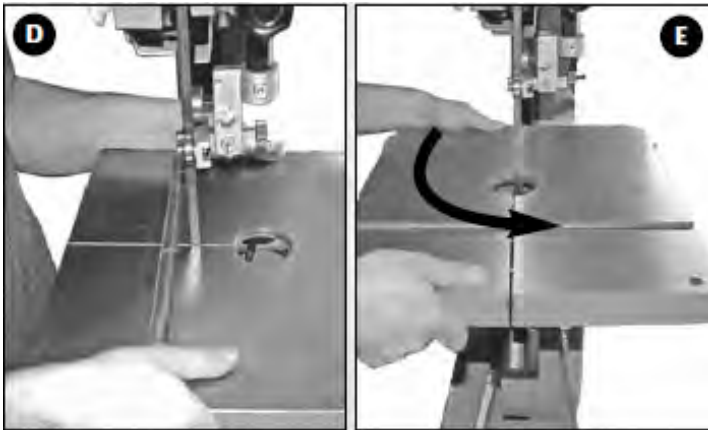
## ATTACHING THE TABLE



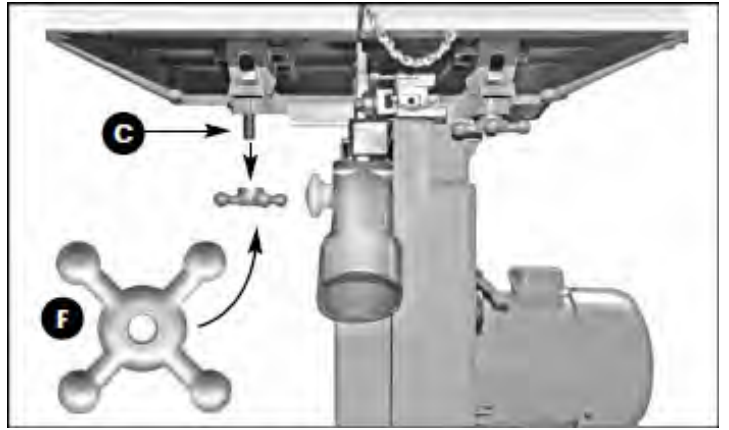
1. Remove the red insert A from the center of the table and the table alignment pin B from the table slot.



2. Turn the table right side up. Verify that the long bolts C in the center of each trunnion are pointing down the holes in the table-tilt bracket.

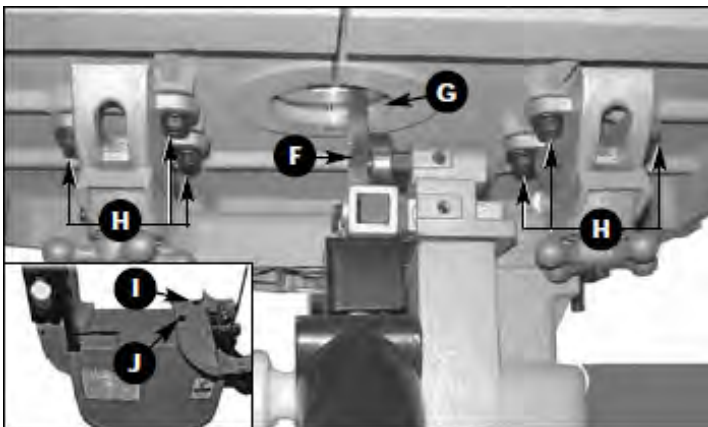


3. Carefully move the table into position over the table-tilt bracket, guiding the saw blade through the table slot D.
4. Rotate the table 1/4 turn counter-clockwise so that the saw blade is now perpendicular to the table slot E.

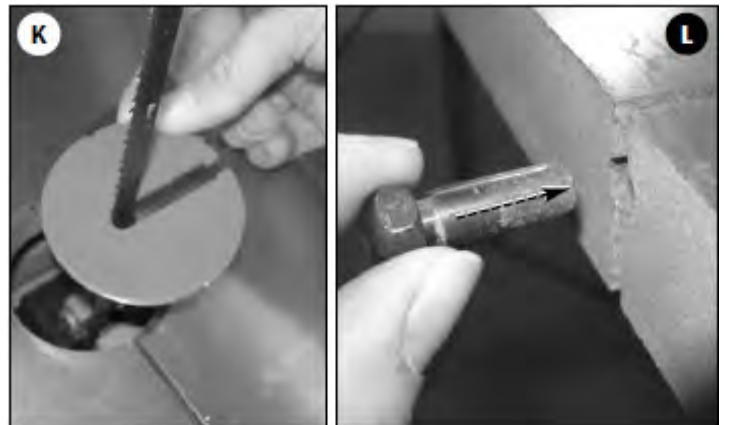


5. Gently lower the table onto the bracket so the long bolts C in the center of the trunnions pass through the holes in the table-tilt bracket.
 

**Note: If the long bolts have moved out of position, have an assistant tap them into place with a screw driver.**
6. Thread the two lock knobs F onto the long bolts now protruding from the underside of the table-tilt bracket and tighten loosely.



7. Make sure that the blade F is centered in the table opening G. If the blade is not centered, slide the table back or forward until the blade is centered in the table opening. Then tighten the six combination head bolts H using a 10 mm wrench and the two hex bolts I and J using a 12 mm open wrench and 12 mm socket wrench.



8. Re-install the red insert to the center of the table, with the opening in the slot facing the rear of the saw K.
9. Re-install the table alignment pin into the table slot L.



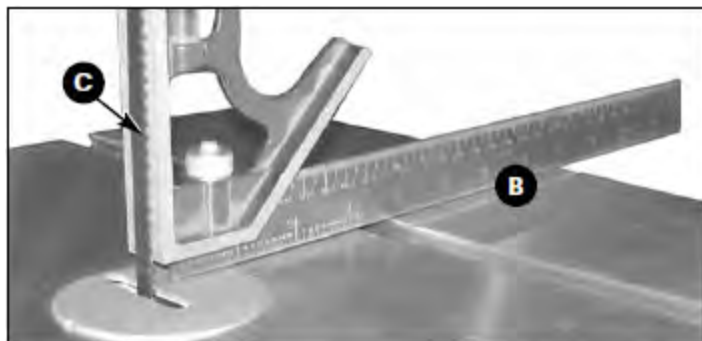
## RECOMMENDED ADJUSTMENTS

### ADJUSTING THE 90° TABLE STOP AND RE-ALIGNING THE ANGLE POINTER

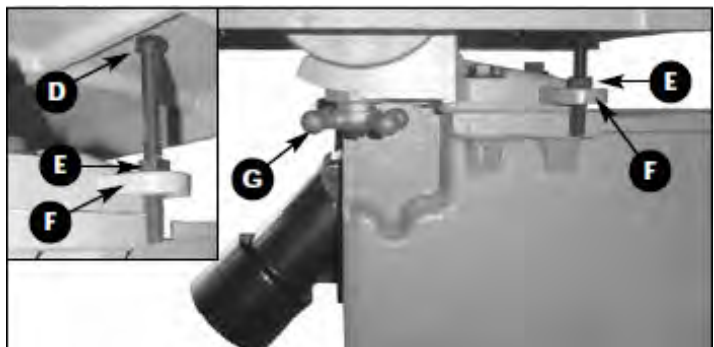
To ensure that your 90° cuts are square and that angled cuts are accurate with the angle indicator scale, the table default position must be set to 90° to the blade and the angle indicator pointer must be set to read 0 when the table is in the default (90°) position. To set the table-stop bolt:



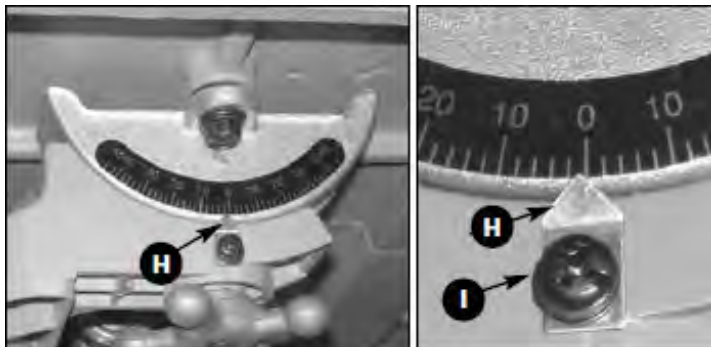
1. Loosen the two lock knobs A.



2. Place a combination square B flat on the table with the heel of the square flat against the saw blade C.
3. Level the table until it is exactly 90° to the blade, then tighten the lock knobs A.



4. Adjust the height of the table-stop bolt until it touches the underside of the table D.
5. Turn the jam-nut E clockwise until it meets the table tilt-bracket F and tighten it.
6. Loosen the lock knobs G and make sure the table is resting on the table-stop bolt D.
7. Check the square and make sure the table is still at 90° to the blade. If not, re-adjust the table-stop bolt.



8. With the table set to 90° and the stop bolt at the correct height, make sure the table tilt angle indicator pointer H is set to read 0°.
9. If the pointer needs to be adjusted, loosen the screw I on the pointer of the front trunnion and adjust the pointer H to the 0 point on the scale. Then re-tighten the screw to secure the pointer in place.

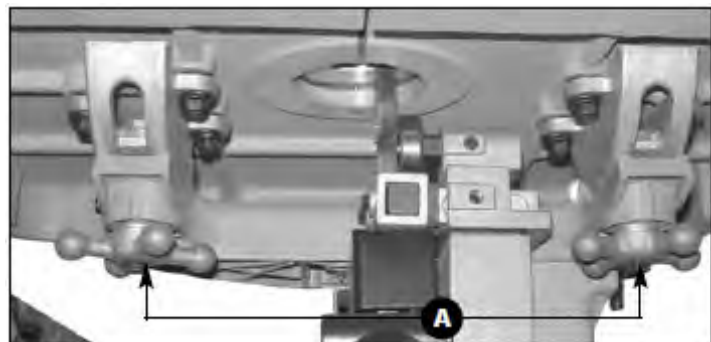
You will now be able to accurately return the table to the 90° position automatically without further adjustments and scale reading for any angle other than 0 will also be accurate.

### TILTING THE TABLE

The table can be tilted to any angle from 0° to 45° to the right, to allow for any type of bevel (or angle) cutting. Refer to the table tilt angle indicator to set the angle of the table to the desired position.

**Never adjust the table angle while the bandsaw is running. Turn off power first.**

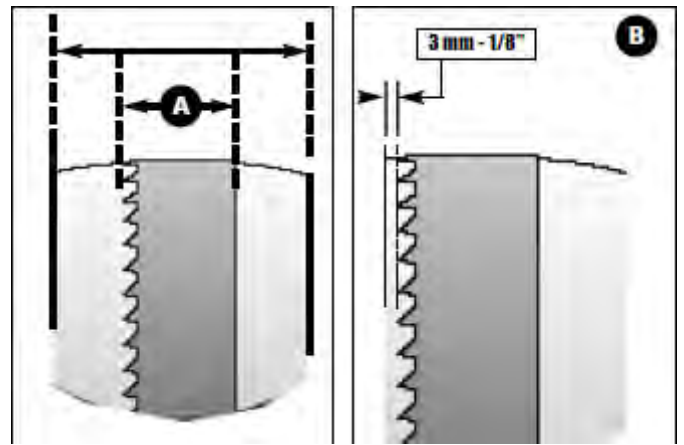
1. Loosen the two lock knobs A.
2. Tilt the table until it is at the desired angle. (Refer to the angle indicator under the bandsaw table.)
3. Tighten the lock knobs to lock the table in position.



## ADJUSTING BLADE TRACKING

Blade tracking means centering the blade on the wheels A. Ideally, the blade should stay relatively centered on both the upper and lower wheels.

Due to natural variations in castings, blade thickness or density and tire wear, absolute perfect centering alignment is rarely attainable. A slight misalignment of the blade on the wheels is inevitable and as long as it is kept to a minimum (following the steps listed below) will not hinder the performance of the saw.



This misalignment is controlled and kept to a minimum by adjusting the tilt angle of the upper wheel.

When adjusting blade tracking to center the blade on the wheels and assuming that perfect centering is not attainable, it is preferable to have the blade slightly off-center towards the front of the wheels rather than towards the rear because the teeth on most bandsaw blades have alternating hook (one inner, one outer) – therefore if the blade is centered too far back on the wheel (or if the blade tension is too tight), inner hooked teeth will dig into the wheel tire and cause premature wear of the tire.

Nonetheless, to avoid having the blade come off of the wheels on it's own during operation, the front edge of the blades teeth should never be any closer than 3 mm (1/8") from the front edge of the wheel B.

## BLADE CLEARANCE

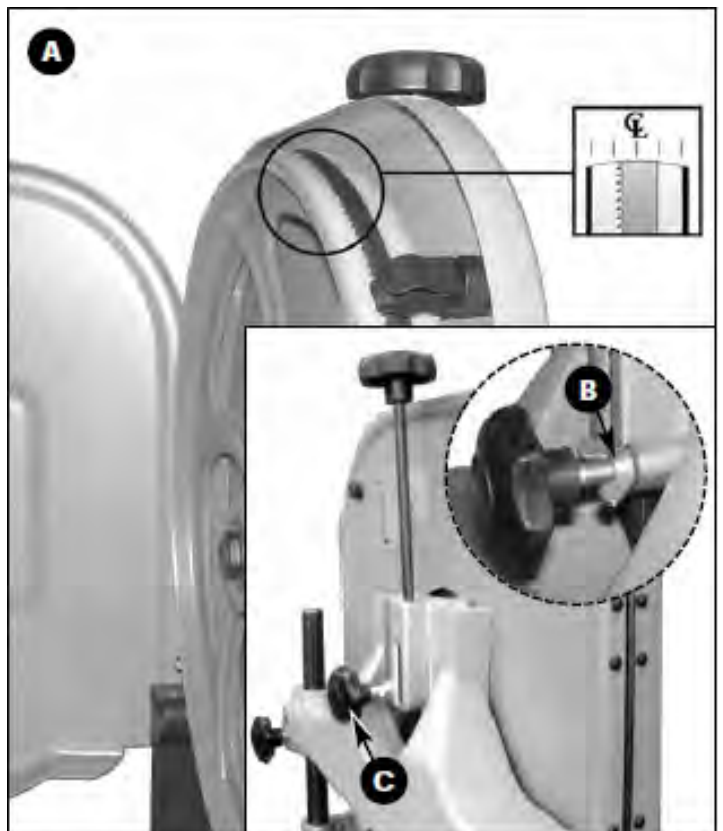
**Note: As previously stated, when performing blade installation, removal, tensioning or tracking, maximum clearance between the blade and both upper and lower bearing assemblies is required to minimize friction, which would be damaging to the blade. Refer back and follow the instructions for “blade clearance” before performing blade tracking adjustments.**

To adjust the blade tracking:

1. Open the upper wheel cover door then rotate the wheel slowly forward by hand. The blade should remain as centered as possible on the wheel as it turns A.
2. If the blade tracking must be adjusted, loosen thumb nut B, then turn the tracking knob C, located on the rear of the bandsaw:
  - a) Clockwise if the blade moves toward the front of the wheel. This tilts the top of the wheel to the back and moves the blade toward the center.
  - b) Counter-clockwise if the blade moves toward the back edge. This tilts the top of the wheel to the front and moves the blade toward the center.

**Note: Turn the tracking knob in 1/2 turn increments, recheck and adjust again as needed.**

3. Re-tighten thumb nut B





## CHANGING SPEED SETTINGS

This model MI-91345 14" wood cutting bandsaw has 2 different speed settings; low and high.

- Low speed is to be used for cutting soft woods over 4" in height or hard woods over 2" in height.

- High speed is best for cutting soft woods under 4" in height or hard woods under 2" in height.

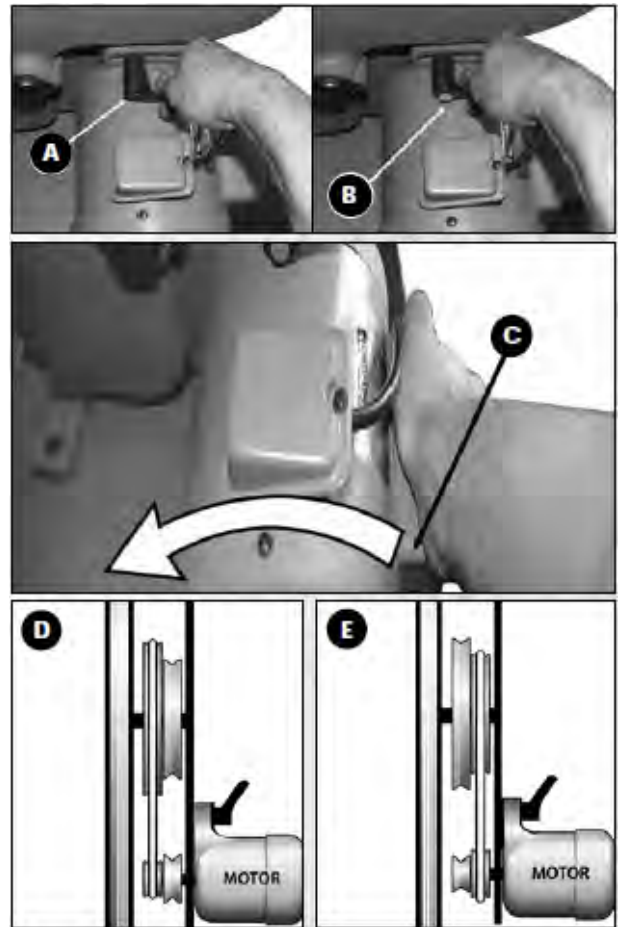
**Note: If wood starts to burn at high speed, stop and change to the lower speed setting.**

To change the speed setting:

1. Turn off power and disconnect the bandsaw from the power source to avoid unintentional start-up of the bandsaw.
2. Open the lower wheel cover door.
3. At the back of the bandsaw, just above the motor, there is a ratchet lever A for loosening the tension on the drive belt. When you pull it out, as in A, it disengages for resetting. When you release it as in B, it engages the bolt for screwing or unscrewing. (You can tell when it is engaged by the orange indicator button B showing).

To loosen the drive belt, unscrew the bolt a few turns counterclockwise then pull up on the capacitor cover of the motor C pivot the motor to the left. This loosens the belt enough to move it between one set of pulleys and the other.

4. To set the bandsaw speed to the slower setting; 1630 FPM (495MPM), place the belt on the frontmost set of pulleys as in D.
5. To set the bandsaw speed to the faster setting; 2730 FPM (832MPM), place the belt on the rearmost set of pulleys as in E.
6. Having repositioned the belt, push down firmly on the motor capacitor cover to tighten the belt, then turn the ratchet lever clockwise until it is tight and the motor does not move.



## OPERATING INSTRUCTIONS

### CHECKLIST BEFORE STARTING

**NOTE: Now that you have completed the four adjustment steps which are an essential part of safe, accurate bandsaw operation, it would be a good idea to make yourself a checklist as follows to ensure that each adjustment to the bandsaw is made in the proper order starting with the general safety precaution:**

1. Turn off the bandsaw and unplug the power cord.
2. Adjust blade tension.
3. Adjust blade tracking.
4. Adjust upper blade guides and thrust bearing.
5. Adjust lower blade guides and thrust bearing.

These additional safety measures should be included in your checklist:

6. Make sure all the blade guards are in place.
7. Make sure the bandsaw table and work area in general are clean and free of sawdust and debris.

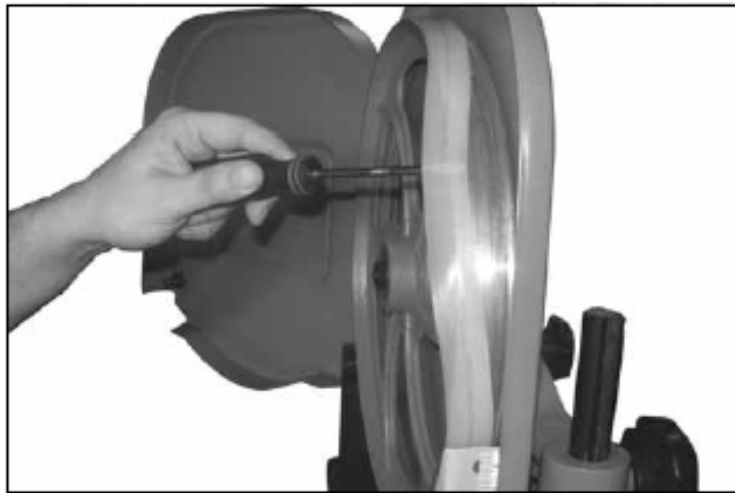
These steps should always be followed when any adjustment is performed, the blade is changed, or periodically as vibration and normal wear and tear on the machine could throw these parts out of alignment.

## REPLACING THE WHEEL TIRE

Wheel tires must be replaced if they get worn out or damaged. (If it is worn out, the blade will not track straight on the wheels.)

Use a flat screwdriver to remove the tire from the groove on the wheel, then install a new tire.

**Note: When replacing the tires, stretch them around the wheels but do not glue them on.**



## ADJUSTING/REPLACING THE LOWER WHEEL BRUSH

The lower wheel is equipped with a cleaning brush that prevents pitch and sawdust build up on the lower tire.

Any pitch and sawdust that builds up on the upper wheel tire should be removed with a stiff brush or scraped off with a piece of wood.

**Note: To avoid damaging the tire do not use a sharp knife or any kind of solvent to remove pitch build up.**

Verify that the brush keeps the lower wheel surface clean at all times. With use and normal wear over time, the brush hairs will soften and will not clean the surface of the wheel as well. You then must lower the brush slightly. Proceed as follows:

1. Loosen the Phillips head screw A.
2. Slide the brush slightly down along the mounting hole B of it's mounting bracket, so that a fresh, stiffer part of the hairs touches the wheel tire.
3. Tighten the screw to lock the brush in position.

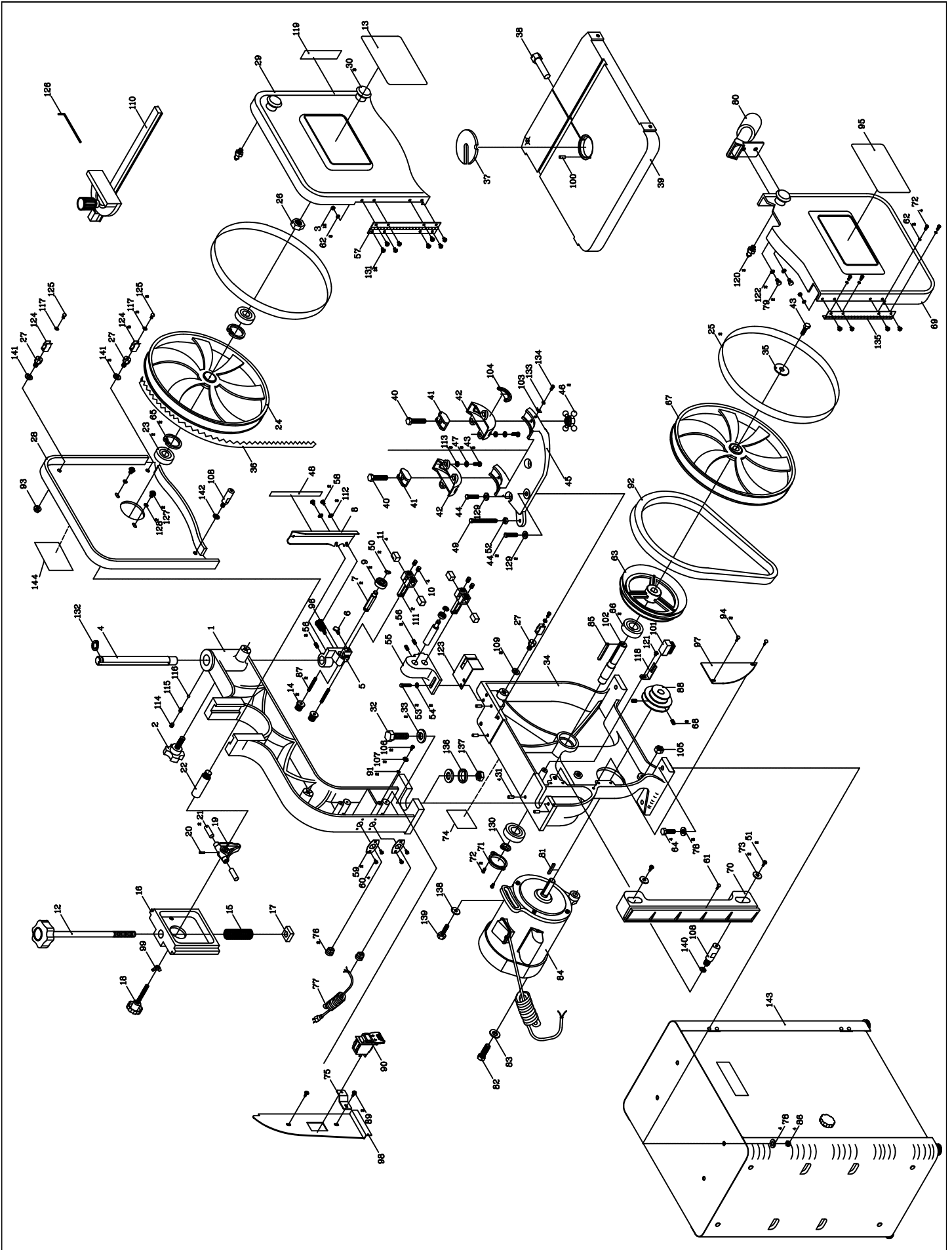


## REPLACING LOWER WHEEL MOTOR BELT

The lower wheel is driven by one belt mounted on either of the two pulleys powered by the motor. The belt's tension should be verified upon reception of the machine, then every 6 months. Slightly push on the belt with your finger. The belt must not move more than 1/8". If the belt becomes too loose due to wear or if a breakage occurs, you must replace it.

1. Turn off power and disconnect the bandsaw from the power source to avoid unintentional start-up.
2. Open the lower wheel cover door.
3. If needed, loosen the belt, proceeding as per step 3 in section "Changing speed settings", on page 21.
4. Remove the belt from the groove in the pulleys and install a new one.
5. Having installed a new belt, push down firmly on the motor capacitor cover to tighten the belt, then turn the ratchet lever clockwise until it is tight and the motor does not move.
6. Close the lower wheel cover door.

# PART LIST FOR MI-91340



## PART LIST FOR MI-91340

REF.NO.	ITEM NO.	DESCRIPTION	SPECIFICATION	Q'TY
1	MI-91340-01	UPPER FRAME		1
2	MI-91340-02	STAR KNOB	5/16"*1-1/4"	1
3	MI-91340-03	HEX. NUT	3/16"	12
4	MI-91340-04	GUIDE POST (V TYPE)		1
5	MI-91340-05	POST SEAT Double Teeth)		1
6	MI-91340-06	THUMB SCREW	M6*16L	1
7	MI-91340-07	BEARING SHAFT		2
8	MI-91340-08	BLADE GUARD		1
9	MI-91340-09	BEARING	#6200ZZ	2
10	MI-91340-10	SET SCREW	M6*10L	4
11	MI-91340-11	GUIDE BLOCK		4
12	MI-91340-12	ADJUSTING KNOB ASSEMBLY	SK-62*M8 & 302L	1
13	MI-91340-13	LOGO PLATE	180*50	1
14	MI-91340-14	MICRO ADJUSTING NUT	M6	2
15	MI-91340-15	SPRING		1
16	MI-91340-16	SLIDER		1
17	MI-91340-17	SQUARE NUT	3/8"	1
18	MI-91340-18	ADJUSTING KNOB	5/16"*2"L	1
19	MI-91340-19	UPPER WHEEL SHAFT HINGE		1
20	MI-91340-20	SPRING PIN	Ø3*30L	1
21	MI-91340-21	STEEL PIN		2
22	MI-91340-22	UPPER WHEEL SHAFT		1
23	MI-91340-23	BEARING	#6202ZZ	2
24	MI-91340-24	UPPER WHEEL		1
25	MI-91340-25	WHEEL PROTECTOR		2
26	MI-91340-26	HEX. NUT	1/2"	1
27	MI-91340-27	HEX. FIXTURE BOLT	3/8"	3
28	MI-91340-28	UPPER COVER INNER		1
29	MI-91340-29	UPPER DOOR		1
30	MI-91340-30	KNOB	3/8"	3
31	MI-91340-31	PIN	1/4"*16m/m	4
32	MI-91340-32	HEX. SCREW	3/4"*2-1/2"	1
33	MI-91340-33	FLAT WASHER	3/4"*46*3T	2
34	MI-91340-34	BASE		1
35	MI-91340-35	FLAT WASHER	1/4"	1
36	MI-91340-36	BLADE	93-1/2*3/8*0.65*6T	1
37	MI-91340-37	TABLE INSERT		1
38	MI-91340-38	TABLE PIN		1
39	MI-91340-39	TABLE	16"*16"	1
40	MI-91340-40	HEX. SCREW	M10*50L	2
41	MI-91340-41	TRUNNION CLAMP SHOE		2
42	MI-91340-42	TRUNNION		2
43	MI-91340-43	HEX. SCREW	1/4"*5/8"	7

## PART LIST FOR MI-91340

REF.NO.	ITEM NO.	DESCRIPTION	SPECIFICATION	Q'TY
44	MI-91340-44	HEX. SCREW	5/16"*1-1/4"	2
45	MI-91340-45	TRUNNION BRACKET		1
46	MI-91340-46	STAR KNOB	M10	2
47	MI-91340-47	SPRING WASHER	1/4"	6
48	MI-91340-48	SCALE		1
49	MI-91340-49	HEX. SCREW	5/16"X3"	1
50	MI-91340-50	C RING	S-10	2
51	MI-91340-51	PHILLIPS HEAD SCREW	3/16"*3/8"	2
52	MI-91340-52	HEX. NUT	5/16"	1
53	MI-91340-53	HEX. SCREW	1/4"*3/4"	2
54	MI-91340-54	FLAT WASHER	1/4"*16	2
55	MI-91340-55	LOWER GUIDE HOLDER		1
56	MI-91340-56	SET SCREW	M6*10L	3
57	MI-91340-57	HINGE UPPER		1
58	MI-91340-58	PHILLIPS HEAD SCREW	3/16"*3/8"	2
59	MI-91340-59	PLATE		2
60	MI-91340-60	PHILLIPS HEAD SCREW /W WASHER	3/16"*3/8"	4
61	MI-91340-61	PHILLIPS HEAD SCREW	M4*10L	1
62	MI-91340-62	SPRING WASHER	3/16"	16
63	MI-91340-63	PULLEY 7"	Ø180 – Ø168	1
64	MI-91340-64	HEX. SCREW	5/16"*1-1/4"	4
65	MI-91340-65	C RING	R34	2
66	MI-91340-66	BEARING	6204ZZ	2
67	MI-91340-67	LOWER WHEEL		1
68	MI-91340-68	SET SCREW	M6*16L	2
69	MI-91340-69	LOWER DOOR		1
70	MI-91340-70	GUARD	ABS	1
71	MI-91340-71	BEARING COVER		1
72	MI-91340-72	PHILLIPS HEAD SCREW	3/16"*3/8"	6
73	MI-91340-73	FLAT WASHER	5/16"*23	2
74	MI-91340-74	NAMEPLATE		1
75	MI-91340-75	GUARD STRONGER		1
76	MI-91340-76	CORD RETAINER	6N-4	2
77	MI-91340-77	POWER CORD		1
78	MI-91340-78	FLAT WASHER	5/16"*18*2T	8
79	MI-91340-79	HEX. SCREW	1/4"*1/4"	2
80	MI-91340-80	DUST CHUTE		1
81	MI-91340-81	DOUBLE ROUND KEY	5*5*30L	1
82	MI-91340-82	HEX. SCREW	1/2"*2-1/2"	1
83	MI-91340-83	FLAT WASHER	1/2"*28	1
84	MI-91340-84	MOTOR		1
85	MI-91340-85	DOUBLE ROUND KEY	5*5*60L	1
86	MI-91340-86	HEX. NUT	5/16"	4
87	MI-91340-87	SET SCREW	M6*45L	2



## PART LIST FOR MI-91340

REF.NO.	ITEM NO.	DESCRIPTION	SPECIFICATION	Q'TY
88	MI-91340-88	MOTOR PULLEY 3"	Ø50-Ø76	1
89	MI-91340-89	PHILLIPS HEAD SCREW /W WASHER	3/16"*3/8"	2
90	MI-91340-90	SAFTY SWITCH	4P HY18xx	1
91	MI-91340-91	TEETH WASHER	M5	2
92	MI-91340-92	V BELT	A-26	1
93	MI-91340-93	FLANGE NUT	3/8"	1
94	MI-91340-94	PHILLIPS HEAD SCREW /W WASHER	3/16"*3/8"	2
95	MI-91340-95	WARING LABEL	175*101.5	1
96	MI-91340-96	HANDEL	M6*18L	1
97	MI-91340-97	FRAME COVER LOWER		1
98	MI-91340-98	FRAME COVER UPPER		1
99	MI-91340-99	WING NUT	5/16"	1
100	MI-91340-100	SPRING PIN	Ø3X10L	1
101	MI-91340-101	DUST BRUSH		1
102	MI-91340-102	LOWER WHEEL SHAFT		1
103	MI-91340-103	POINTER		1
104	MI-91340-104	ANGLE SCALE	45°	1
105	MI-91340-105	LOCK NUT	1/2"	1
106	MI-91340-106	PHILLIPS HEAD SCREW /W WASHER	3/16"*1/4"	2
107	MI-91340-107	COPPER WASHER		2
108	MI-91340-108	HEX FIXTURE BOLT		2
109	MI-91340-109	FLAT WASHER	3/8"*19*2T	3
110	MI-91340-110	MITER GAUGE		1
111	MI-91340-111	Y TYPE GUIDE ACCESSORY		2
112	MI-91340-112	FLAT WASHER	3/16"*14	2
113	MI-91340-113	FLAT WASHER	1/4"*13*1.5T	6
114	MI-91340-114	SET SCREW	5/16*5/16"	1
115	MI-91340-115	SPRING		1
116	MI-91340-116	STEEL BALL	1/4"	1
117	MI-91340-117	SPRING WASHER	3/16"	3
118	MI-91340-118	BRUSH BRACKET		1
119	MI-91340-119	WARING LABEL		1
120	MI-91340-120	DOOR CLIP HEAD		3
121	MI-91340-121	PHILLIPS HEAD SCREW W/WASHER	3/16"*3/8"	1
122	MI-91340-122	FLAT WASHER	1/4"*16	2
123	MI-91340-123	BLADE GUARD LOWER		1
124	MI-91340-124	CLIP HEAD		3
125	MI-91340-125	PHILLIPS HEAD SCREW	3/16"*1/4"	3
126	MI-91340-126	ALLEN KEY	3MM	1
127	MI-91340-127	PHILLIPS HEAD SCREW /W WASHER	3/16"*3/8"	2
128	MI-91340-128	FLAT WASHER	3/16"*14	2
129	MI-91340-129	FLAT WASHER	5/16"*18	2
130	MI-91340-130	C RING	S-20	1
131	MI-91340-131	PHILLIPS HEAD SCREW W/WASHER	3/16"*1/4"	12

## PART LIST FOR MI-91340

REF.NO.	ITEM NO.	DESCRIPTION	SPECIFICATION	Q'TY
132	MI-91340-132	C RING	S-22	1
133	MI-91340-133	SPRING WASHER	M5	1
134	MI-91340-134	PHILLIPS HEAD SCREW	3/16"*3/8"	1
135	MI-91340-135	HINGE LOWER		1
136	MI-91340-136	SPRING WASHER	3/4"	1
137	MI-91340-137	HEX. NUT	3/4"	1
138	MI-91340-138	FLAT WASHER	3/8"*27	1
139	MI-91340-139	HEX SCREW	3/8"*1-3/4"L	1
140	MI-91340-140	FLAT WASHER	3/8"*16 *2T	2
141	MI-91340-141	FLAT WASHER	3/8"*19 *2T	3
142	MI-91340-142	FLAT WASHER	3/8"*16 *2T	2
143	MI-91340-143	STAND		1
144	MI-91340-144	LABEL		1