# OWNER'S MANUAL


# CT108 – 8" JOINTER

# CT108 8” JOINTER
## Index

# GENERAL SAFETY INSTRUCTIONS

**EXTREME CAUTION SHOULD BE USED IN OPERATING ALL POWER TOOLS. KNOW YOUR POWER TOOL, BE FAMILIAR WITH ITS OPERATION. READ THE OWNER'S MANUAL AND PRACTICE SAFE USAGE PROCEDURES AT ALL TIMES.**

- **CONNECT** your machine **ONLY** to the matched and specified power source.
- **WEAR SAFETY GLASSES, RESPIRATORS, HEARING PROTECTION** and **SAFETY SHOES** when operating heavy machinery. **Always wear safety glasses.**
- **DO NOT** wear loose clothing or jewellery when operating machinery.
- **A Safe Environment is important**. Keep the area free of dust, dirt and other debris in the immediate vicinity of the machine.
- **BE ALERT**! Do Not Use prescription or other drugs that may affect your ability or judgement to safely use this machine.
- **NEVER** leave an operating tool unattended.
- **NEVER** reach over the table when the tool is in operation.
- **ALWAYS** keep knives sharp 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 through the machine.
- **ALWAYS** make sure that any tools used for adjustments are removed before operating the machine.
- **ALWAYS** keep bystanders safely away while operating machinery.
- **THINK SAFETY. WORK SAFELY.** Never attempt a procedure if it does not feel safe or comfortable.

# CT108 JOINTER
## SPECIFIC SAFETY INSTRUCTIONS

- Always keep the cutter head knives sharp and free of rust, tar and pitch
- Always use push blocks when jointing stock that does not provide a reasonable distance of safety for your hands.
- Never allow your hands to pass directly over the cutter head.
- Always make sure that the exposed cutter head behind the fence is guarded particularly when jointing near the leading edge such as in rabbetting.
- Never perform jointing operations on wood materials shorter than 8”, narrower than 3/4" or less than 1/4" in thickness.
- Do not perform planing operations on wood material shorter than 4”, narrower than 3/4", wider than 8” or thinner than 1/2".
- Maintain the proper relationship of the infeed and outfeed table surfaces and the cutter head knife path.
- Never back your workpiece into the spinning cutter head.
- Never make cuts deeper than 1/16” in a single pass to prevent overloading the machine and to prevent dangerous kickback.

# CT108 8” JOINTER

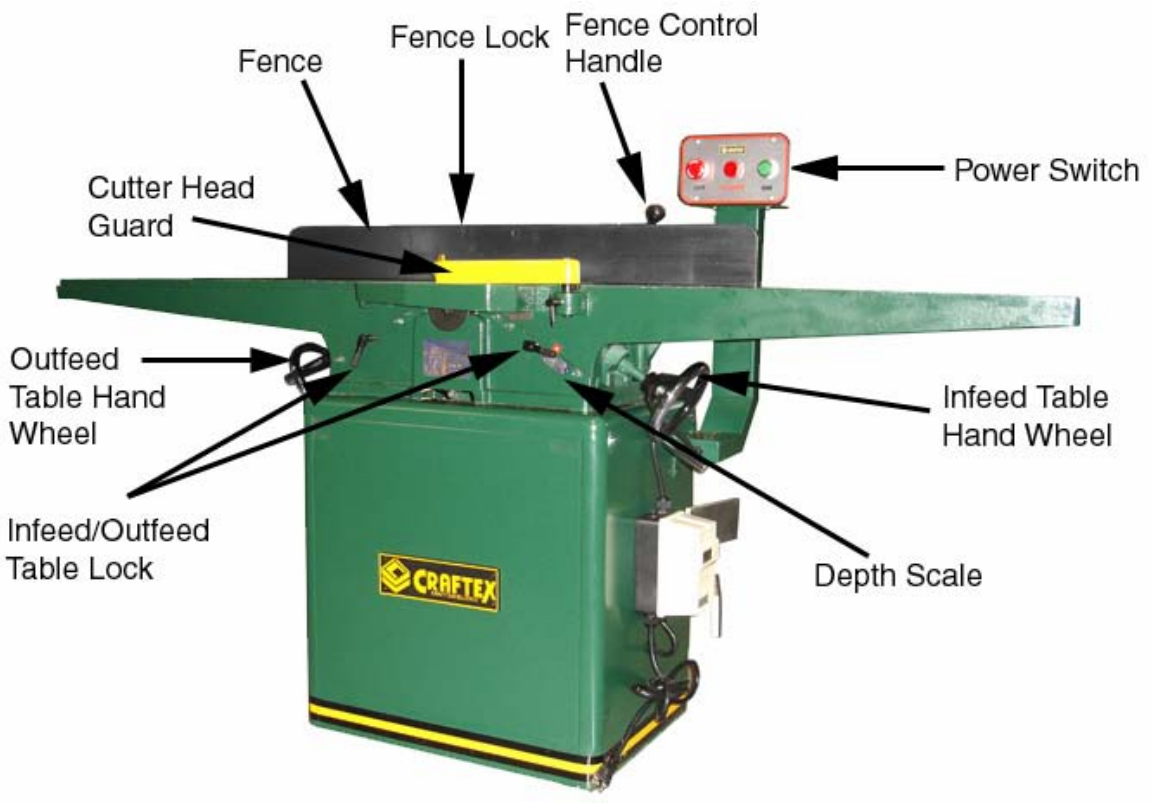
## Features

As part of the growing line of Craftex woodworking equipment, we are proud to offer the CT108. The Craftex name guarantees Craft Excellence. By following the instructions and procedures laid out in this owner’s manual, you will receive years of excellent service and satisfaction. The CT108 is a professional tool and like all power tools, proper care and safety procedures should be adhered to.

- Motor – 1 1/2 HP, Single Phase, Ball Bearing Mounted.
- Dual belt drive.
- Magnetic Switch.
- Extra Long Bed: 75” x 9”.
- Fence: 38” x 4”.
- Heavy-Duty cast-iron, precision ground tables mounted on Inclined Dovetail Ways.
- Precise gib adjustments.
- Infeed and outfeed tables are easily adjusted by a hand wheels.
- Positive fence stops at 90 and 45 degrees.
- Totally enclosed cabinet with built-in chip chute.
- Three-knife balanced ball bearing cutter head.
- Maximum cutting depth – 1/2".
- Cutter head speed – 5,000 RPM.
- Weight – 220 kg.
- 2 Push pads included.
- 2 Year Warranty.

# CT108 8” Jointer

## Illustrated Features



# CT108 8” JOINTER

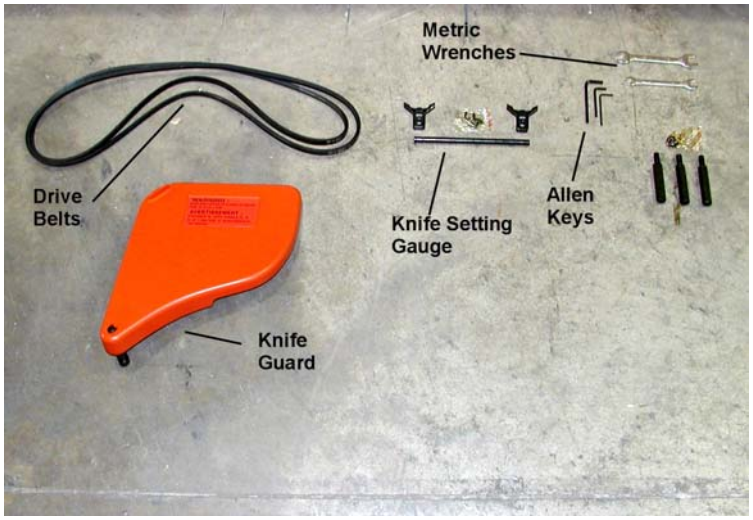
## Unpacking

The Craftex CT108, 8” Jointer is shipped in two cartons, one containing the sheet metal cabinet base and motor and the other containing the jointer and other small components.

(Base Components)

Carefully remove all of the packing material and recycle where available. Safety glasses and work gloves should be worn when un-packing as there may be sharp corners, nails or other sharp objects that could cause personal injury.

Open all of the cartons or packages and remove the contents. Set the contents aside and see that the packages are empty before discarding them.




The CT108 Jointer is shipped with a protective coating on the cast-iron parts to protect them from corrosion. This coating should be removed prior to assembly using a cloth and mineral spirits. Wipe all surfaces clean and dry them thoroughly. When the parts are dry, apply a generous coat of paste wax and buff dry. This will help prevent future corrosion.

# CT108 8” JOINTER
## Assembly

### Assembling the Jointer to the Cabinet Base

Place the sheet metal Cabinet Base in close proximity to where you plan to finally place the CT108 Jointer.

Place the Jointer on the Cabinet Base being sure that the cabinet top cutter head opening is on the same side as the motor pulley.

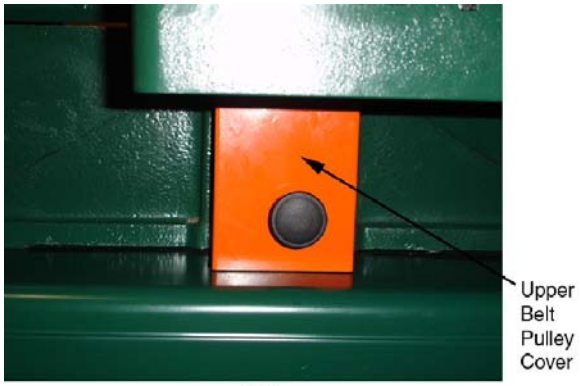
**CAUTION: The CT108 Jointer is heavy and should be lifted by more than one person or with a mechanical aid.**

There are 3 hex-head screws with lock washers in the parts package and these should used to secure the Jointer to the Cabinet Base. These should be fastened from below and up through the cabinet.

### Installing/Adjusting the Drive Belts

Remove the Upper Drive Belt Pulley Cover to gain access to the Drive Pulleys.

Fit the two Drive belts on the Motor Drive Pulley and then feed the belts up through the Base Cabinet and over the Cutter Head drive Pulleys.

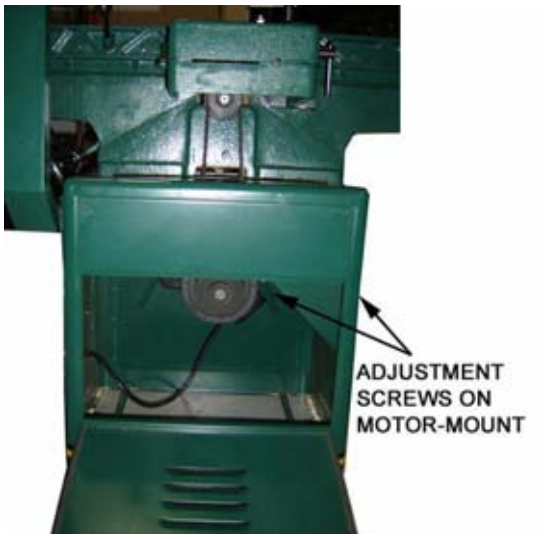



649

# CT108 8” JOINTER
## Assembly, Continued

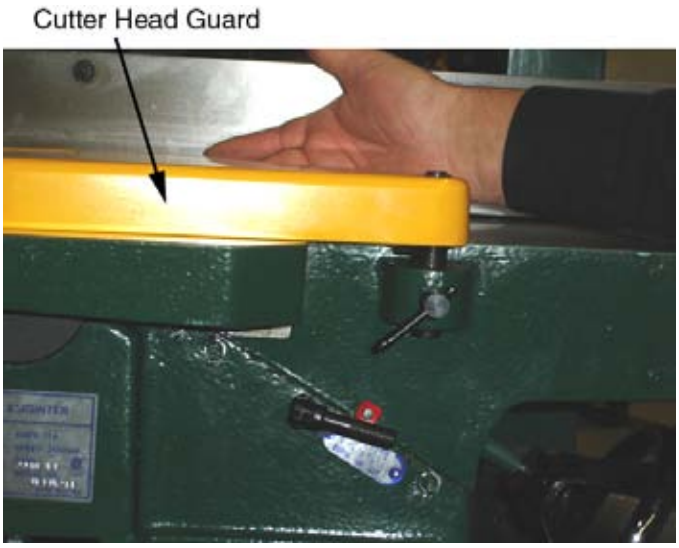
**Installing/Adjusting Drive Belts, Continued**

Should the drive belts be too tight, loosen the adjustment screws on the motor-mount base.




**Cutter Head Guard**

The shaft of the Cutter Head Guard fits into the socket on the side edge of the infeed table. Loosen the locking screw, insert the shaft and tighten the screw.



# CT108 8” JOINTER
## Assembly, Continued

### Replacing Knives

Disconnect the CT108 Jointer from its power source.
Loosen the 5 Allen knife setting screws starting with the center one followed by the two end screws and the remaining ones.

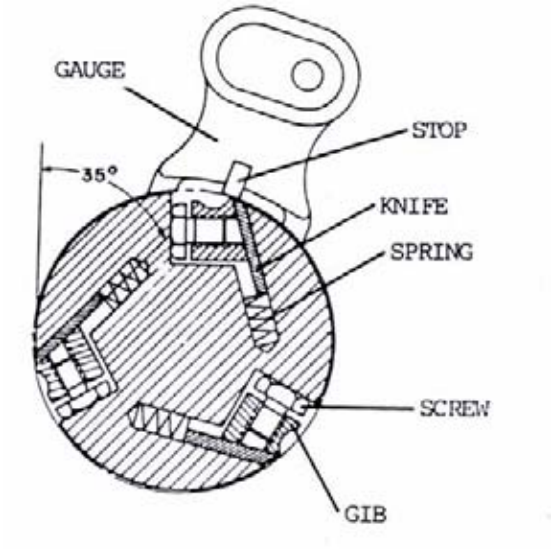
Carefully remove the knife and the locking bar being careful not to lose any of the five-knife pressure springs.

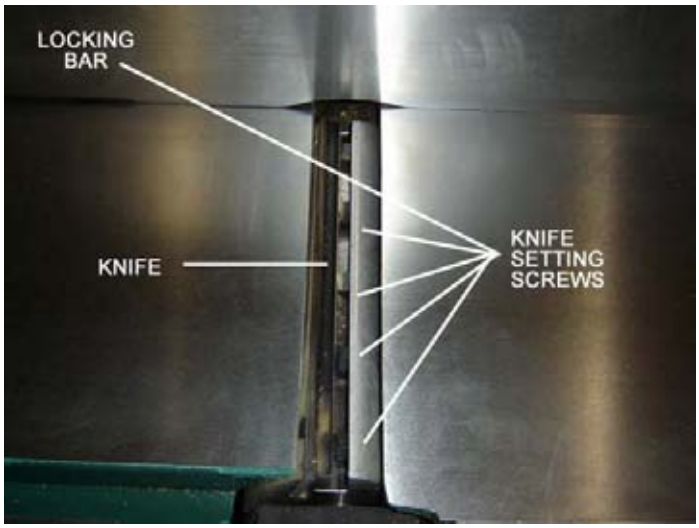
Repeat this procedure for the remaining two knives.

Reassemble the knives in reverse order but be certain to replace the knives with their sharp edges facing the infeed table.

Do not tighten the Allen screws until you have placed the knife-setting gauge on the cutter head with the protrusion on the knife’s edge.

Tighten the Allen Screws in the reverse order to the above being certain that all are tight.




**Cutter Head Knife Assembly**

# CT108 8” JOINTER
## Assembly, Continued

### Adjusting the Fence

With the fence in the 90-degree position, use a combination square to determine if the fence is square to the tables. Should this not be so, loosen the Fence Locking Levers and adjust the 90-degree Adjusting Screw. Tighten the Locking Levers.

To adjust the fence in the 45 degree position, repeat the above steps but with the fence set in the 45 degree position. Use the 45 degree Adjusting Screw to make any corrections. Tighten the Locking Levers.

Moving the fence angle or to move it forwards or backwards, use the Fence Handle.


### Adjusting the Infeed Table

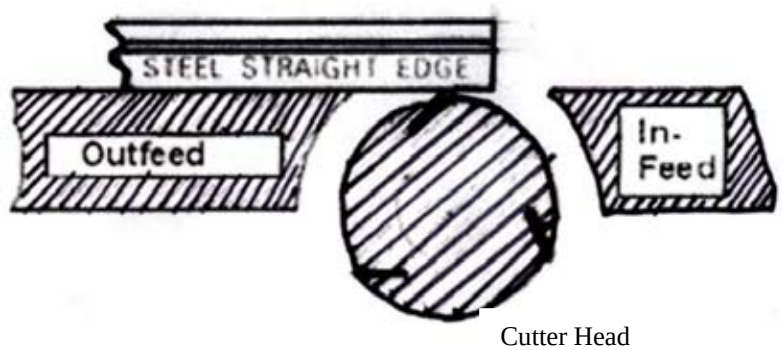
Adjusting the Infeed Table is a simple process. Simply loosen the Infeed Table Lock, grasp the Quick-Adjust Lever and raise or lower the Infeed Table to the desired position. There is a Depth Scale to indicate the depth of the cut.

**Caution: Never attempt to remove more than 1/8”of material in a single pass**.

# CT108 8” JOINTER
## Assembly, Continued

### Adjusting the Outfeed Table

For accurate results from your Craftex CT108 Jointer, the Outfeed Table must be perfectly level with the Cutter Head Knives at their highest point. The knives must be parallel to the table and project equally from the Cutter Head.



Cutter Head

**Method for checking outfeed table elevation and knife alignment.**

To achieve this, loosen the Outfeed Table Lock and remove the Upper Pulley Cover on the rear of the Jointer.

Using a straight –edge, lay it across the Outfeed Table where the Cutter Head opening is located.

Rotate the Cutter Head slowly by hand by turning the Upper Drive Belt Pulley.

The knife-edges must just touch the straight edge. If one knife appears to high, it must be re-set. Loosen the five lock screws on the cutter head for that particular knife. Start with the centre screw, followed by the end screws and then the remaining two. Set your straight edge on the centre of the knife, snug that screw, move the straight edge to the back and repeat. Bring the straight edge to the front and repeat. When it is determined that the knife is parallel on its full length, secure the set screws.

If all of the knives appear to be too high or low, loosen the Outfeed Table Lock and raise or lower the table with the Quick-Adjust Outfeed Table Lever and adjust accordingly. Tighten the Outfeed Table Lock securely.

# CT 108 8” JOINTER
## Assembly Continued

Top Mount Switch Assembly Instructions

-Control Arm
- 4 HEX Bolts
- Magnetic switch box & power cables
- Hayco Type Strain Relief
- 2 Silver Screws for Mounting Switch Box
- Wrenches provided

1. Mount the Control arm with the 4 HEX BOLTS. (Use 12mm wrench provided)

Mount →

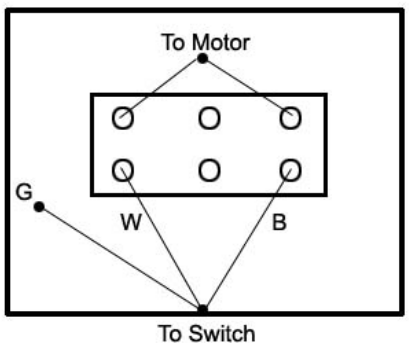
2. Remove the cover of the Magnetic Switch Box and mount with the 2 Silver Screws provided.

2a. Replace Cover

3. Feed motor power cable through the hole in the cabinet & connect to motor

3a. Pull the cable snug on the outside & install the Hayco Type Strain Relief (supplied)

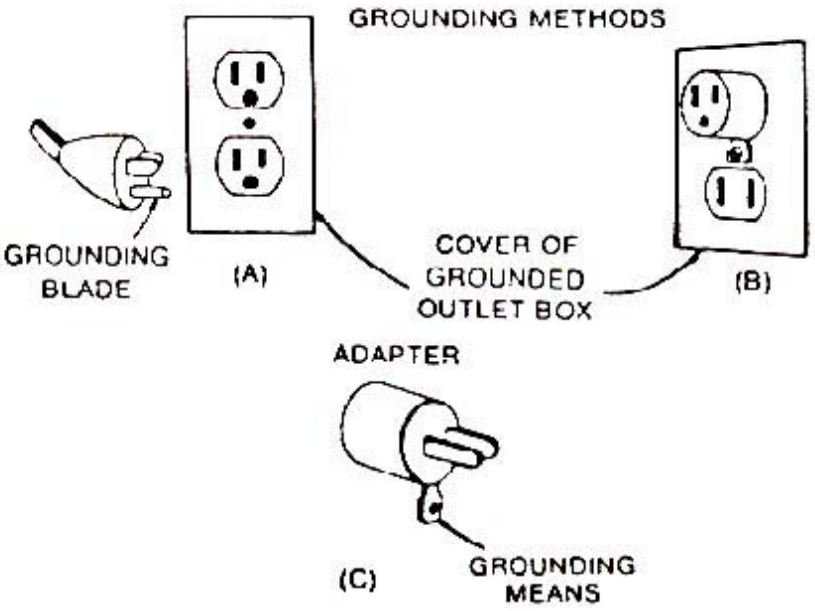
Connect to Motor
(see Wiring Diagram below)



# CT108 8” JOINTER

## Electrical

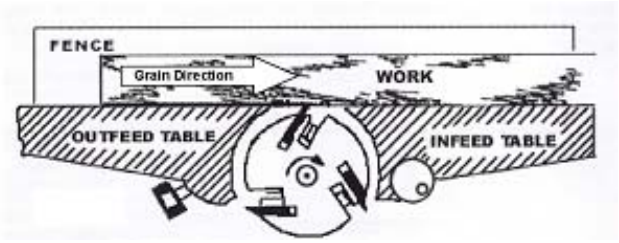
A qualified electrician should be employed to make the electrical connections for the CT108 Jointer.
Make sure that the electrical characteristics match the motor nameplate and the power source. Also make sure that the jointer is used on a properly fused circuit and that the correct wire size is employed.



# CT108 8” JOINTER
## Operation

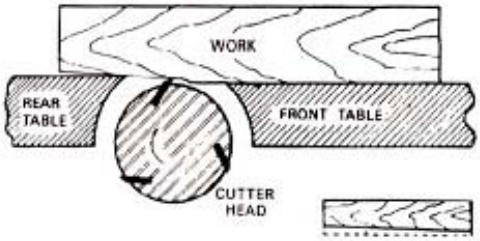
### Jointing

For the best results from your CT108 Jointer it is important to feed your workpiece *with* the grain of the wood.



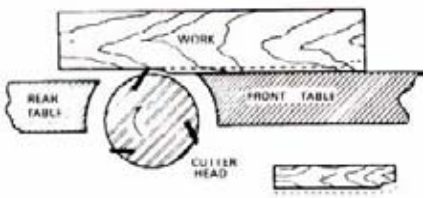

Proper adjustment of both the Infeed and the Outfeed Tables will provide the best results.

If the outfeeed table is too high the finished surface will be curved.



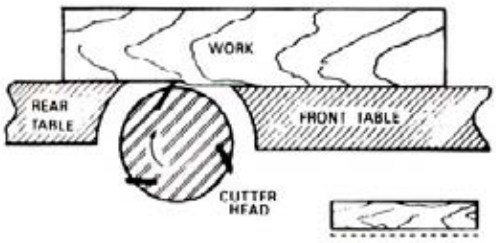

REAR TABLE TOO HIGH

If the Outfeed Table is too low, the finished surface will be gouged.




REAR TABLE TOO LOW

Correctly setting the Tables will result in perfect jointing.




REAR TABLE AT CORRECT HEIGH

# CT108 8” JOINTER
## Operation, Continued

**Planing Safely**

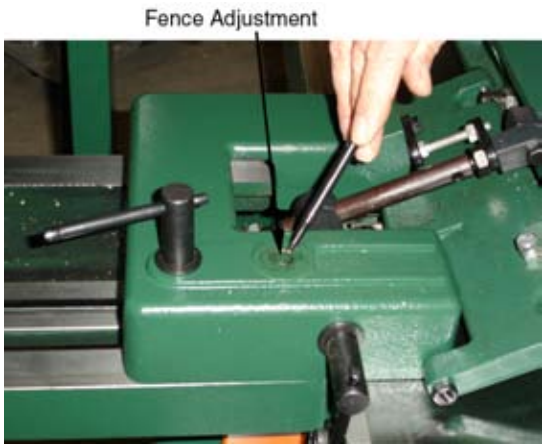
For edge planing, hold the workpiece as illustrated being sure to keep your fingers well above the table surface.

Should the workpiece be too small to safely use your hands, use push pads or push sticks as illustrated.

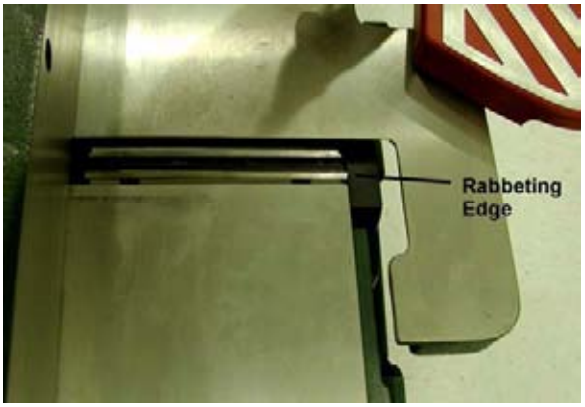
# CT108 8” JOINTER
## Operation, Continued

**Rabbeting**

To make a rabbet on a workpiece, bring the fence forward to the required distance from the outer edge of the infeed table and the required distance from the edge of the cutter head.




To adjust the fence for rabbeting remove lock bolt and move to the rear of the support. For normal jointing move back to original position.




Lower the feed table for the first pass

**Do not attempt to make a full rabbet in one pass, several small passes will result in better work.**

Replace the blade guard when your rabbeting work is complete.

# CT108 8” JOINTER
## Operation, Honing

**Honing Knives**

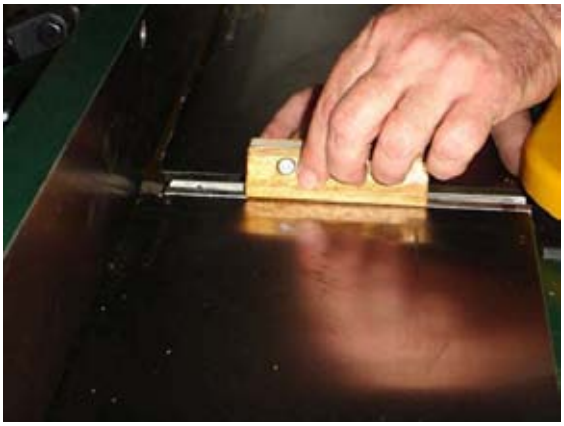
The Craftex CT108 Jointer must be maintained on a regular basis and one of these maintenance operations is keeping the jointer knives sharp. Dull, dirty or nicked knives will produce poor jointing results. The knives should be routinely checked.

If the knives are simply dull, you can restore the edge by honing the knives in place. Knives can be honed a number of times before they must be removed for re-grinding. Should a small nick appear in the knife edges, the effect of this ( a small ridge on the work piece) may be removed by moving one of the knives

**Honing is best achieved with the Busy Bee B1659 Jointer Knife Honing Tool**.
A simple and effective tool.

**Disconnect the power supply!**

- Remove the fence or slide it back fully to expose all of the knife-edges.
- Remove the blade guard.
- Clean the knife and cutter head with mineral spirits to remove pitch, gum and tar. Wipe the parts dry.
- Wedge a small piece of wood between the cutter head and the frame to keep head from moving while you are honing the knives.
- Place a couple of drops of honing oil on the honing stone and draw it across the full length of the knife being certain the stone makes full contact with the blade.



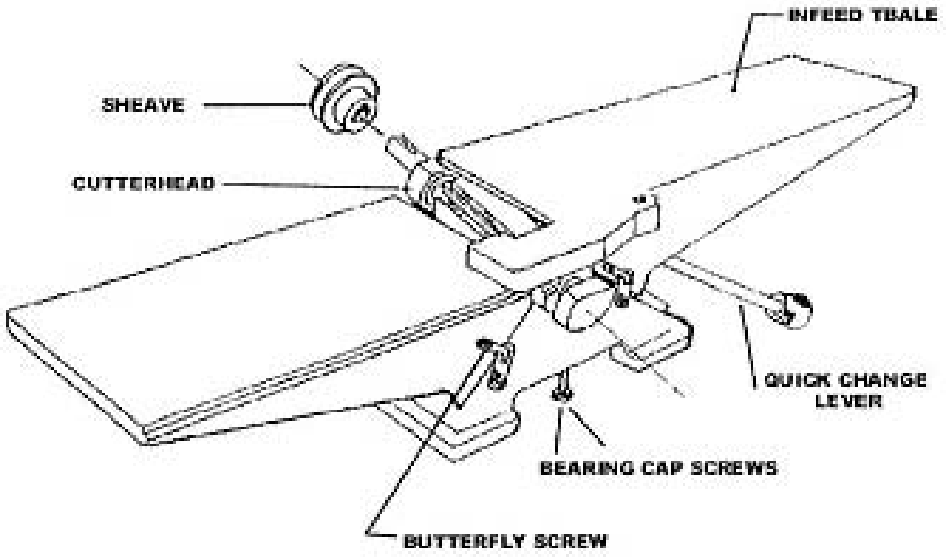
- Start the process with the coarse stone and finish with the finer stone.
- Remove any traces of honing oil when completed.
- Replace the cutter head guard and then make a few test cuts.

# CT108 8” Jointer
## Operation, Continued

When it is necessary to remove the cutter head assembly for maintenance, the following procedures should be followed.

**Disconnect the CT108 from the power source.**

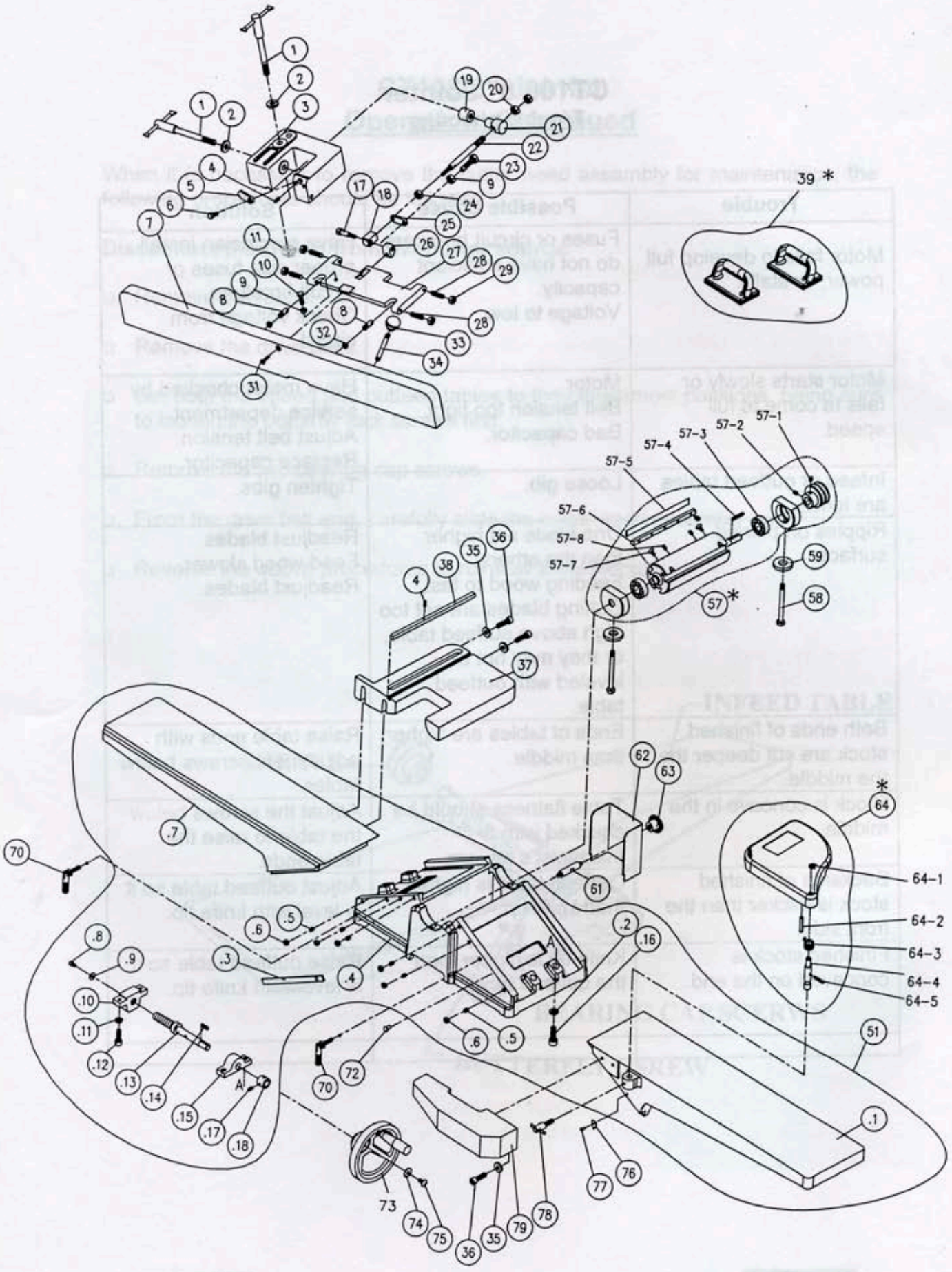
- Remove the fence.
- Remove the drive belts.
- Set both the infeed and outfeed tables to their lowermost positions, being sure to loosen the butterfly lock screws first.
- Remove the two bearing cap screws.
- From the drive belt end, carefully slide the cutter head assembly out.
- Reverse the above procedures to reinstall the assembly.



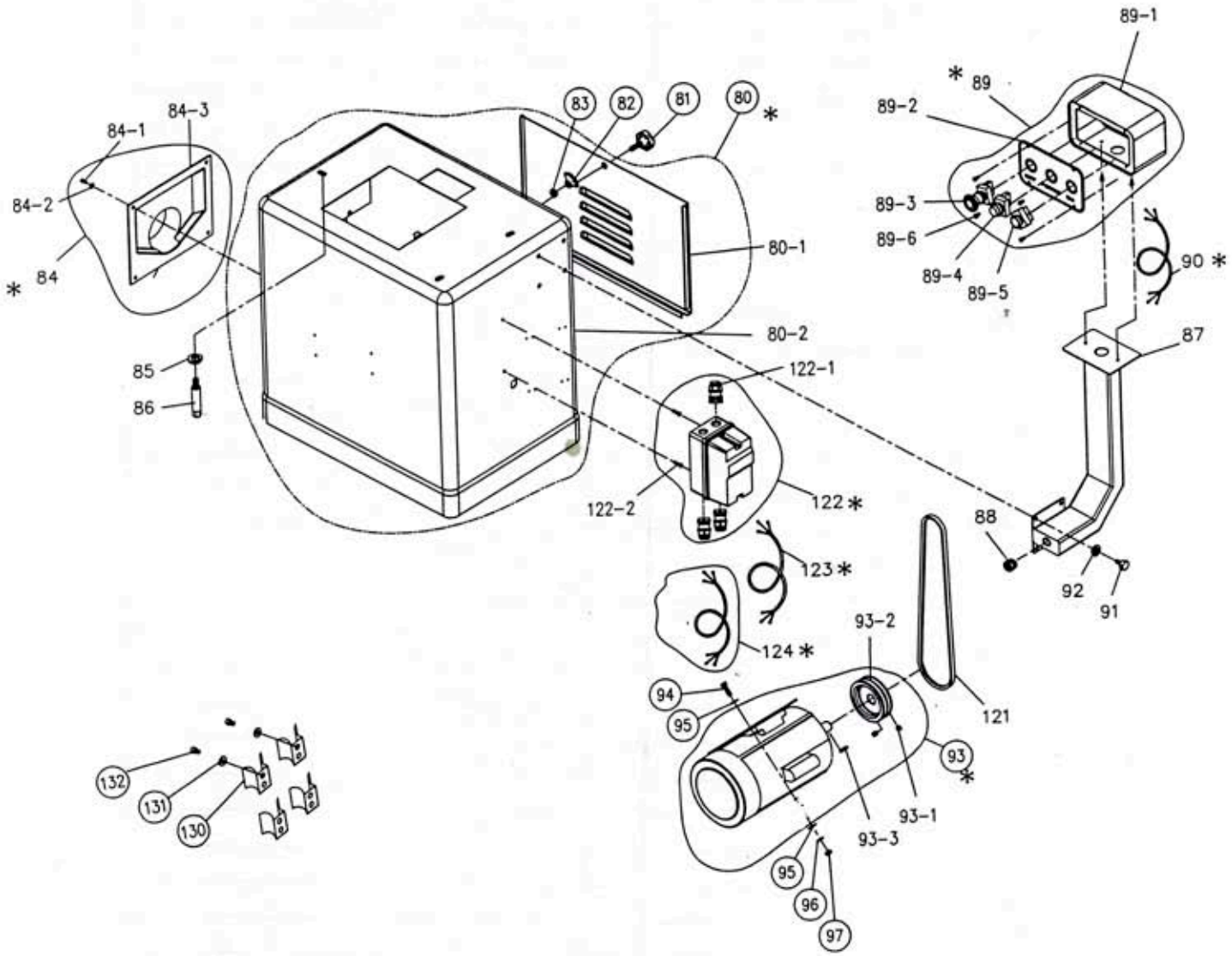
# CT108 8” Jointer
## Trouble-shooting

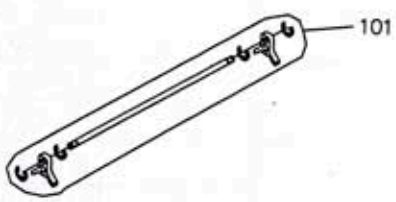
| Trouble | Possible Cause | Solution |
|---|---|---|
| Motor fails to develop full power, or stalls. | Fuses or circuit breakers do not have sufficient capacity.<br>Voltage to low. | Have electrician install proper size fuses or circuit breakers.<br>Check voltage from circuit. |
| Motor starts slowly or fails to come to full speed. | Motor<br>Belt tension too tight.<br>Bad capacitor. | Have motor checked by service department.<br>Adjust belt tension.<br>Replace capacitor. |
| Infeed or outfeed tables are loose. | Loose gib. | Tighten gibs. |
| Ripples on planed surface. | One blade set higher than the others.<br>Feeding wood to fast.<br>Cutting blades are set too high above outfeed table, or they may not be leveled with outfeed table. | Readjust blades.<br>Feed wood slower.<br>Readjust blades. |
| Both ends of finished stock are cut deeper than the middle. | Ends of tables are higher than middle. | Raise table ends with adjustment screws below tables. |
| Stock is concave in the middle. | Table flatness should be checked with a machinist’s square. | Adjust the screws below the table to raise the table ends. |
| Backside of finished stock is thicker than the front side. | Outfeed table is higher than knife tip. | Adjust outfeed table so it is level with knife tip. |
| Finished stock is concaved on the end. | Knife tip is higher than the outfeed table. | Raise outfeed table so it is level with knife tip. |
| | | |

# CT108 8" JOINTER
# SCHEMATIC



# CT108 8" JOINTER
# SCHEMATIC



# CT108 8" JOINTER
## PARTS LIST

| | | | |
|---|---|---|---|
| 1 | SET SCREW | 51-11 | SPRING WASHER |
| 2 | WASH | 51-12 | CAP SCREW |
| 3 | ANGLE FRAM BASE | 51-13 | SCREW ROD |
| 4 | SPRING KEY | 51-14 | KEY |
| 5 | LOCK BLOCK | 51-15 | SUPPORTER |
| 6 | LOCK SCREW | 51-16 | CAP SCREW |
| 7 | ANGLE RULE | 51-17 | SET SCREW |
| 8 | SCREW | 51-18 | RING |
| 9 | HEX. NUT | 57 | CUTTER HEAD |
| 10 | HEX. SCREW | 57-1 | PULLY |
| 11 | NUT | 57-2 | SET SCREW |
| 17 | SCREW | 57-3 | BEARING |
| 18 | CONNCTER | 57-4 | KEY |
| 19 | SPACE RING | 57-5 | BLADE |
| 20 | HEX. NUT | 57-6 | BLADE KEY |
| 21 | LOCK SCREW | 57-7 | SCREW |
| 22 | SET ROD | 57-8 | SPRING |
| 23 | HEX. SCREW | 58 | SCREW |
| 24 | HEX. NUT | 59 | WASHER |
| 25 | SET BLOCK | 61 | SCREW |
| 26 | CONNECT BASE | 62 | GUARD |
| 27 | ROD | 63 | NUT |
| 28 | SCREW | 64 | BLADE GUARD SET |
| 29 | HEX. NUT | 64-1 | RING |
| 31 | SCREW | 64-2 | GUARD |
| 32 | HEX. NUT | 64-3 | KEY |
| 33 | HANDLE | 64-4 | SPRING |
| 34 | HANDLE ROD | 64-5 | SHIFT |
| 35 | WASHER | 64-6 | KEY |
| 36 | CAP SCREW | 70 | LCOK SCREW |
| 37 | SUPPORTER | 70-1 | SCREW |
| 38 | KEY | 70-2 | KEY |
| 39 | PUSH PAD | 70-3 | HANDLE |
| 51 | WORKING TABLE SET | 72 | SCREW |
| 51-1 | FRONT TABLE | 73 | HAND WHEEL SET |
| 51-2 | SPRING WASHER | 73-1 | HAND WHEEL |
| 51-3 | LONG KEY | 73-2 | HANDLE |
| 51-4 | BASE | 74 | WASHER |
| 51-5 | SET SCREW | 75 | SCREW |
| 51-6 | HEX. NUT | 76 | PIN |
| 51-7 | BACK TABLE | 77 | SCREW |
| 51-8 | CAP SCREW | 78 | LOCK SCREW |
| 51-9 | WASHER | 79 | ARM |
| 51-10 | SUPPORTER | 80 | STAND |

# CT108 8" JOINTER
## PARTS LIST

| | | | |
|---|---|---|---|
| 80-1 | SIDE COVER | | |
| 80-2 | STAND | | |
| 81 | SCREW | | |
| 82 | LOCK | | |
| 83 | NUT | | |
| 84 | OUT LET SET | | |
| 84-1 | SCREW | | |
| 84-2 | WASHER | | |
| 84-3 | OUT LET | | |
| 85 | WASHER | | |
| 86 | SCREW | | |
| 87 | SWITCH ARM | | |
| 88 | STRAIN RELIF | | |
| 89 | CONTROL BOX. SET | | |
| 89-1 | SWITCH BOX | | |
| 89-2 | FACE PLATE | | |
| 89-3 | STOP SWITCH | | |
| 89-4 | RED LIGHT | | |
| 89-5 | START SWITCH | | |
| 89-6 | SCREW | | |
| 90 | WIRE | | |
| 93 | MOTOR SET | | |
| 93-1 | SCREW | | |
| 93-2 | PULLY | | |
| 93-3 | KEY | | |
| 94 | SCREW | | |
| 95 | WASHER | | |
| 96 | SPRING WASHER | | |
| 97 | HEX. NUT | | |
| 101 | BLADE ADJUST SET | | |
| 121 | M40 BELT | | |
| 122 | M.G. SWITCH | | |
| 122-1 | STRAIN RELIF | | |
| 122-2 | SCREW | | |
| 123 | C.S.A POWER WIRE | | |
| 124 | MOTOR WIRE | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

# WARRANTY

## CRAFTEX 2 YEAR LIMITED WARRANTY

Craftex warrants every product to be free from defects in materials and agrees to correct such defects where applicable. This warranty covers **two 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. 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 (see locations on inside back cover of this manual).
- 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.

**For more information, call Toll Free 1-800-461-BUSY(2879)**
**or visit www.busybeetools.com**