



CT179

12-1/2" BENCHTOP PLANER

USER MANUAL



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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.

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

CT179 - 12-1/2" BENCHTOP PLANER SPECIFIC SAFETY INSTRUCTIONS

- ❖ **ALWAYS** read and understand the user manual before operating the planer.
- ❖ **DO NOT** plane materials such as plywood, hardboard, fiber board or any other material than solid natural wood fiber.
- ❖ **ENSURE** that all parts are assembled and adjusted properly before turning the planer ON.
- ❖ **KEEP** your fingers away from the in-feed roller while feeding the stock into the cutter head.
- ❖ **ALWAYS** inspect your stock for nails, staples, pieces of stones or any other foreign material which is dangerous if comes in contact with the cutter head.
- ❖ **DO NOT** plane stock with loose knots.
- ❖ **DO NOT** removes more than 1/8" from the surface of the stock in a single pass.
- ❖ **ALWAYS** plane in the same direction as the grain of the wood.
- ❖ **ALL GUARDS** must be in place while operating the plane to ensure safety.
- ❖ **ALWAYS** feed stock smoothly. Do not force or twist the work-piece while planning.
- ❖ **DO NOT** looks inside the planer while feeding the work-piece into the cutter head.
- ❖ **MAKE SURE** before making any adjustments, the switch is in the "OFF" position and the cord is un-plugged.
- ❖ **NEVER LEAVE** the planer unattended while it is running.
- ❖ **DO NOT** attempt to remove jammed pieces unless the power switch has been turned to the OFF position and cord is unplugged from the power source and the cutter head has come to a complete stop.
- ❖ **ALWAYS** make sure that the planer is in a stable position.
- ❖ **DO NOT** operate the planer using dull or damaged knives.
- ❖ **MAKE SURE** you have read and understood all the safety instructions in the manual and you are familiar with your planer, before operating it. If you fail to do so, serious injury could occur.

WARNING!

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



CT179 Benchtop Planer

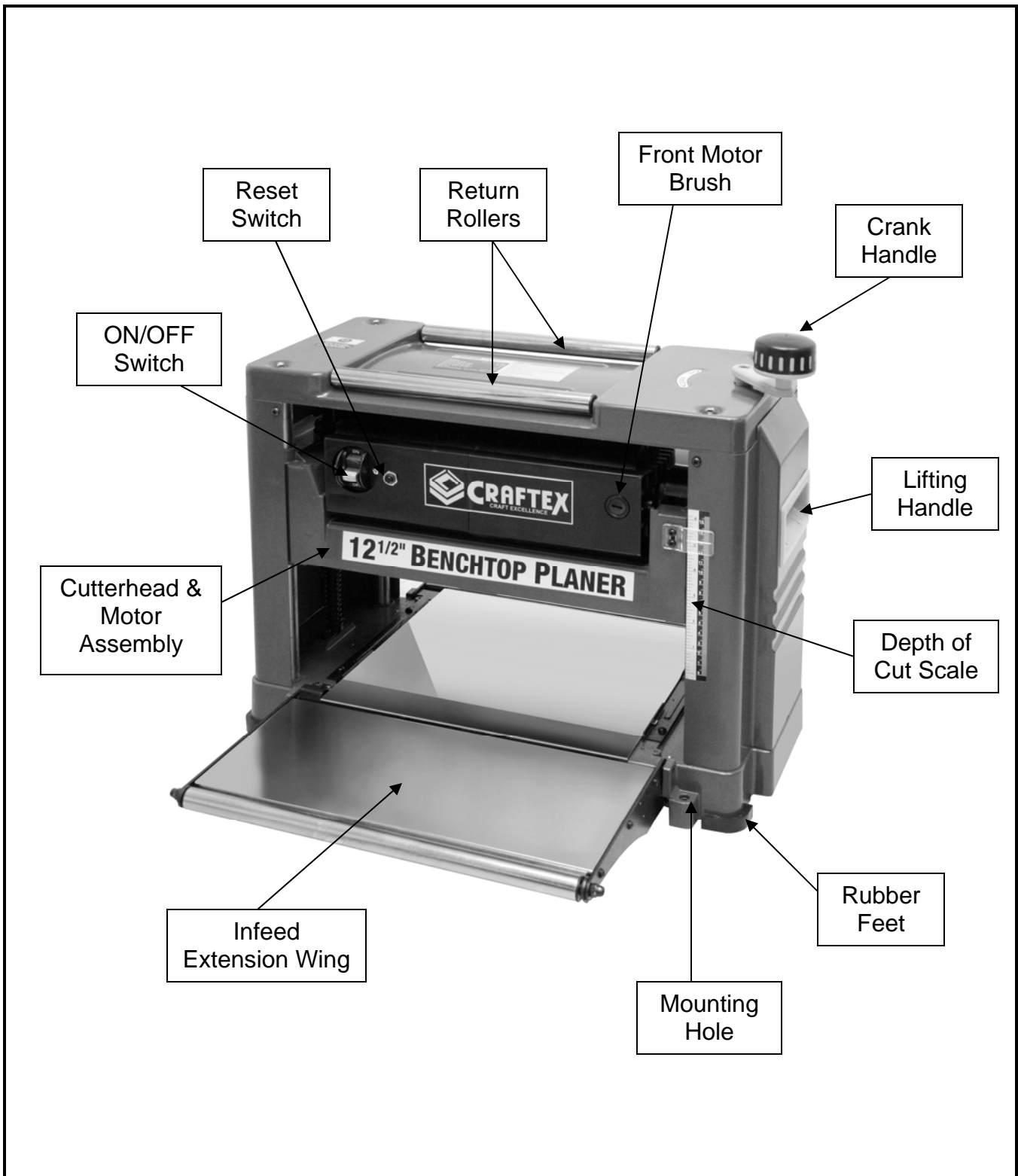
FEATURES

MODEL CT179 – 12-1/2” BENCHTOP PLANER

As part of the growing line of Craftex woodworking equipment, we are proud to offer the CT179, a 12-1/2" Benchtop Planer. By following the instructions and procedures laid out in this user manual, you will receive years of excellent service and satisfaction. The CT179 is a professional tool and like all power tools, proper care and safety procedures should be adhered to.

- ⊞ Motor2-HP, 110-Volts, 15-Amps
- ⊞ Power TransferBelt Drive
- ⊞ BearingsLubricated and Shielded
- ⊞ Table Size.....11-1/2" Length x 12-1/2" Width
- ⊞ Roller Extension Size7-1/2 Length x 14-1/2 Width
- ⊞ Maximum Cut Width12-1/2"
- ⊞ Minimum Stock Length6"
- ⊞ Minimum Stock Thickness13/64"
- ⊞ Maximum Stock Thickness6"
- ⊞ Number of Cuts Per Minute20,000
- ⊞ Planing Feed Rate32 FPM
- ⊞ Maximum Cut Depth Planing Full Width1/16"
- ⊞ Maximum Cut Depth Planing 6" Wide Board3/32"
- ⊞ Cutterhead Type2 High Speed Steel Knives
- ⊞ Cutterhead Diameter1-7/8"
- ⊞ Table ConstructionSteel and Cast Aluminum
- ⊞ Body Construction Cast Aluminum Base w/ Stamped Steel Body
- ⊞ Length/Width/Height21" x 27" x 18"
- ⊞ WeightApproximately 70 lbs (31 Kgs)
- ⊞ Warranty2 Years

CT179 - 12-1/2" BENCHTOP PLANER PHYSICAL FEATURES



SETUP

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

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

WARNING!

CT179 is a heavy machine, do not over-exert yourself. For safe moving method use a mechanical device or get the help of an assistant.

IMPORTANT

While unpacking the CT179, if you can not find any part of the machine, check if it is already installed on the machine. Some parts come installed on the machine due to shipping purposes.

UNPACKING

The machine is properly packaged and shipped completely in carton for safe transportation. When unpacking, carefully inspect the carton and ensure that nothing has been damaged during transit.

Open the carton and check that the machine and the parts are in good condition.

LIST OF CONTENTS

QTY

A. Planer	1
B. Chip Deflector	1
C. Crank Handle	1
D. Rubber Feet	4
E. Knife Gauge	1
F. Hex Wrench	1
G. Cap Screw	1
H. Lock Washer	1

PROPER GROUNDING

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

Make sure the cord is plugged into a properly installed and grounded power outlet. To prevent electrical hazards, have a qualified electrician ensure that the line is properly wired.

Make sure that the planer is connected to an outlet having the same configuration as the plug. If an adaptor plug is used, it must be attached to the metal screw of the receptacle.

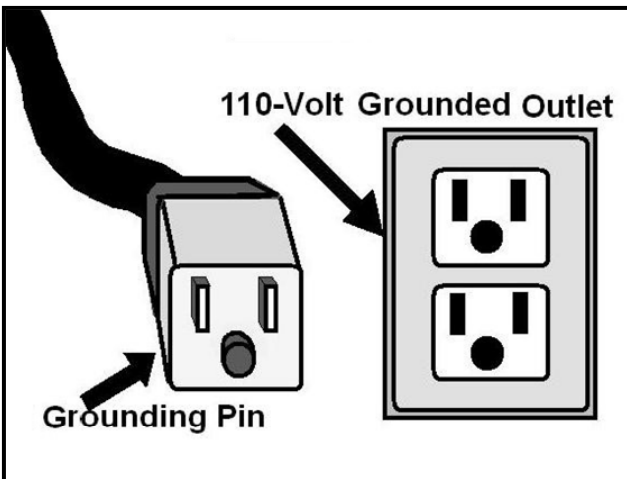


Figure-1 110-Volts outlet for CT179

It is strongly recommended not to use extension cords with your CT179. Always try to position your machine close to the power source so that you do not need to use extension cords.

if it is necessary to use an extension cord, make sure the extension cord does not exceed 50-feet in length and the cord is 14-gauge to prevent motor damage.

WARNING!

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

MOUNTING

The CT179 features pre-drilled holes on the base that allow mounting the planer to the workbench.

If you choose to permanently mount your planer to the workbench, use the four pre drilled holes on the base. See figure-2.

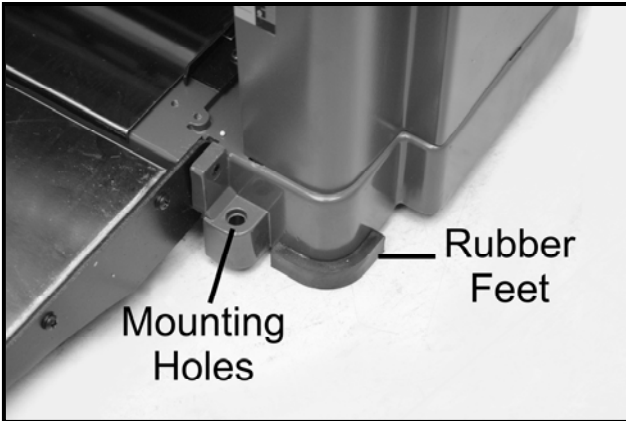


Figure-2 CT179 mounting holes and rubber feet

The holes are drilled all the way through the workbench, and hex bolts, washers, and hex nuts are used to secure the planer to the workbench.

You can also mount the planer directly to the workbench using a lag screw.

ASSEMBLY

Align the flat part, inside the crank handle with the flat side, on the elevation lead screw and place the crank handle onto the lead screw.



Figure-3 Installing crank handle

Thread the cap screw with a lock washer through the crank handle into the lead screw and secure the crank handle.

Use the crank handle and lower the cutter head assembly to access the top of the cutter head assembly from the rear of the planer.

Remove the two wing nuts and install the chip deflector with the foam cushion against the motor housing and secure it using the wing nuts. See figure-4. Do not over tighten the wing nuts.

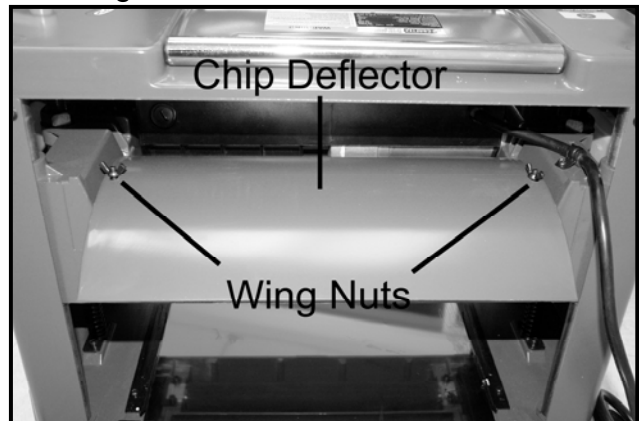


Figure-4 Installing the chip deflector

TEST RUN

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

The test run consists of verifying that the motor powers up and runs correctly and the safety disabling key on the switch works correctly.

During the test run if there is any unusual noise coming from the machine or the machine vibrates excessively, stop the machine immediately and disconnect from the power source. Investigate to find out the problem with your machine. See page-17 and 18 for troubleshooting.

TO TEST RUN THE MACHINE:

Make sure that you have read and understood the safety instructions given in this user manual and that the machine is setup properly.

Remove all tools and objects used during setup and cleared away from the machine.

Connect the cord to the power outlet.

Turn ON the machine and make sure the machine is running correctly.

The machine should run smoothly with little or no vibration. If there is any unusual noise or vibration during test run, turn OFF the machine immediately.

Remove the safety key from the ON/OFF switch.

Try to start the machine by flipping the ON/OFF switch.

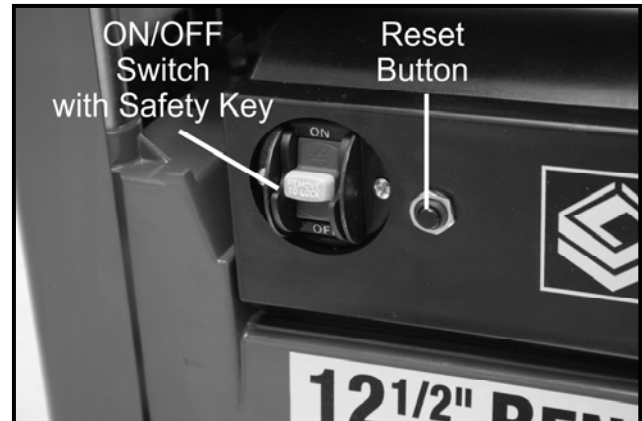


Figure-5 ON/OFF switch with safety key

If the machine does not start, the switch safety key is working properly.

If the machine starts with the safety key removed, immediately stop the machine and check with our customer service. Do not operate the machine until the safety key is fixed.

RESET SWITCH

The CT179 is protected by a thermal overload device, which will trip if the motor becomes too hot. See figure-5.

To reset the switch, move the ON/OFF switch to OFF and wait a few minutes. Then press the reset button. If the reset button does not stay depressed, you will have to wait longer for the motor to cool down before pressing it again.

DEPTH OF CUT

To control the depth of cut, use the crank handle located on the top of the machine to raise or lower the head assembly and you can read the depth of cut in inches and metric on the depth of cut scale. See figure-6.

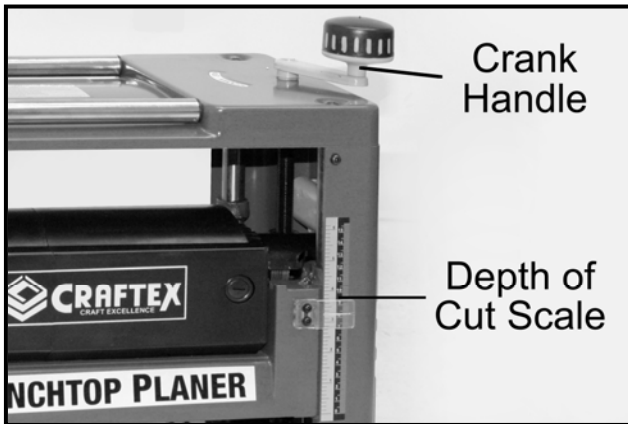


Figure-6 Depth of cut

One revolution of the hand wheel lowers or raises the head assembly approximately 5/64" (2mm). The depth of cut depends on the hardness of the wood and the width of the board being passed under the cutter head. It is recommended not to cut more than 1/32" of the material in one single pass. Generally a series of light cuts will give a better result than trying to cut too much material in a single pass.

WORK-PIECE INSPECTION

This planer is designed to cut wood only, do not cut any kind of metal, stone or glass.

Before planing the stock, make sure to inspect it for nails, staples, small pieces of stone or metal and any other foreign objects which could come in contact with the knives.

If the wood contains any of these objects and it comes in contact with the cutter head knives, the object might cause kick back or damage the knives. For optimum results, always inspect your work-piece carefully before you plan and wear eye protection.

Some woods with excessive twisting or warping are un-stable while planing and are dangerous because during the operation the work-piece can move unexpectedly which will either damage the blade or injure the operator. One face of the twisted stock should be surfaced on a jointer.

Some stocks with large knots are also dangerous to plane.

PLANING TIPS

For improved surface finishing with minimal tearouts, always feed the work-piece with the grain.

The work-piece should be fed into the planer so that the blades are travelling with the grain as they finish the cut. The grain should be angled up towards the rear of the work-piece as it is fed into the cutter head.

Do not remove more than 1/32" of material in a single pass.

If you are planing long lumber, get the help of an assistant or use a roller stand to provide support for the work-piece.

Scrape all glue off joined boards before planing.

Plane only natural wood fibers. Do not plane wood composites.

BASIC OPERATIONS

This section explains the basic operations of your CT179 planer.

TO USE THE PLANER:

Make sure you have read and understood the instructions given in this manual before operating the planer.

Wear safety glasses and a face shield.

Use a jointer and flatten one surface of the work-piece before planing.

Place the work-piece on the table with its flat surface down.

Use the crank handle and lower the cutter head assembly so that the edge of the cutter just touches the work-piece.

Rotate the crank handle slightly less than 1/4 turn to raise the cutter-head above the work-piece surface approximately 1/32" for the first pass, then remove the work-piece from the machine.

Connect the cord to the power source and turn the machine ON.

Stand to one side of the planer and feed the work-piece with its flat surface down, into the machine.

Make sure not to push or pull the work-piece during operation. The infeed and outfeed rollers will control the feed rate of the work-piece.

Once the work-piece is clear of the out-feed roller, measure the work-piece thickness.

If further planing is needed, rotate the crank handle counterclockwise slightly less than 1/4 turn to lower the cutter head assembly and cut the work-piece.

MAINTENANCE

During the life of your machine, you will need to practice some regular maintenance to keep your planer in peak operating condition.

WARNING!

When installing / removing and servicing any part of the machine, make sure the cord is disconnected from the power source. Failure to do so may result in serious personal injury or death.

Daily before use, check the machine for loose mounting bolts, damaged cord or any other unsafe condition.

After every 40-45 hours of operation, lubricate the elevation lead screw, feed roller chain drive and check/replace motor brushes.

Vacuum the wood chips from the table and wipe the remaining sawdust from the machine and table with a dry cloth.

LUBRICATION

The cutter head elevation lead screw and the feed roller drive chain need to be lubricated with light machine oil.

TO LUBRICATE THE PLANER:

Make sure the cord is disconnected from the power source.

Remove the crank handle, the top cover, the panels from the both sides, and the inner cover.

Vacuum chips and dust from the lead screws and drive chain and use mineral spirits with a brush to remove any built up grime. Dry the parts using a shop rag.

Use some chain oil onto the drive chain and clean the excessive oil using a rag.

Reinstall the sides and top cover and move the cutter-head assembly up and down to distribute the lubricant on the lead screws.

MOTOR BRUSHES REPLACEMENT

The motor on CT179 features two carbon brushes and the life of the brush is affected by motor loads and usage.

TO CHECK & REPLACE THE BRUSHES:

Disconnect the cord from the power source.

Use a screw driver and unscrew the plastic covers, removing the brushes. See figure-7 and figure-8.

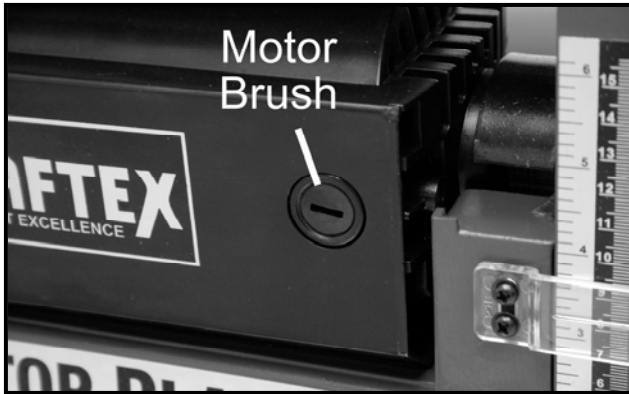


Figure-7 Front motor brush

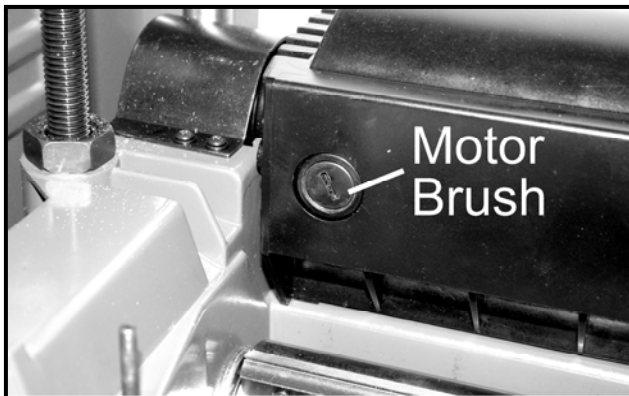


Figure-8 Rear motor brush

Measure the length of the carbon tip.

If either brush is worn down to 1/4" (6mm) or less, replace both as a set.

FEED ROLLERS

The feed rollers rotate in the spring loaded bushing blocks maintain downward pressure while riding on the board. If there is sawdust build up between the bracket and bushing block, the roller may prevent the work-piece from passing through the planer.

TO REMOVE THE SAWDUST BUILD UP FROM THE FEED ROLLERS:

Disconnect the cord from the power source.

Uninstall the crank handle, top cover and side panels of the machine.

Re-install the crank handle for use in the next step.

Place a wood block under the roller so that it is not touching the cutter head.

Lower the cutter head using the crank handle until the roller bushing block on either side lifts up from the bracket.

Clean the sawdust built up from the bushing block, the bracket and the spring.

Raise the cutter head assembly and remove the wood block.

Repeat the above steps and clean the sawdust build up from the second feed roller.

Remove the crank handle.

Reinstall the side panels, the top cover and the crank handle.

KNIVES REPLACEMENT

The cutter head on CT179 features two knives, locked in position by a knife gib with seven bolts that are angled to put pressure on the knives when tightened.

TO REMOVE THE KNIVES:

Disconnect the cord from the power source.

Rotate the crank handle all the way and lower the cutter head assembly.

Uninstall the chip deflector.

Loosen the seven bolts, securing the knife to the cutter head by turning them clockwise.

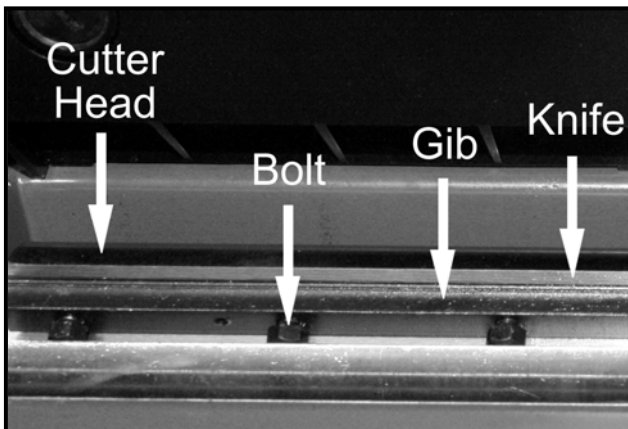


Figure-9 Cutter head assembly

Carefully slide the knife out and repeat the above steps with the other knife.

WARNING!

The knives are very sharp. For the protection of your hands, make sure to wear gloves.

TO INSTALL THE KNIVES

Rotate the cutter head with the knife slot facing directly up so that the springs do not fall out, then remove the gib.

Clean the knife, the gib and the knife slot with a shop rag and apply a light coat of oil on these parts.

Make sure the spring are properly in position and replace the gib.

Insert the knife into the knife slot between the gib and cutter head so that the bevelled edge of the knife is against the cutter head.

Position the knife gauge over the knife and apply downward pressure.

While maintaining pressure on the knife with the knife gauge, tighten the gib bolts just enough to hold the knife in place starting with the middle bolt as shown in figure-10.

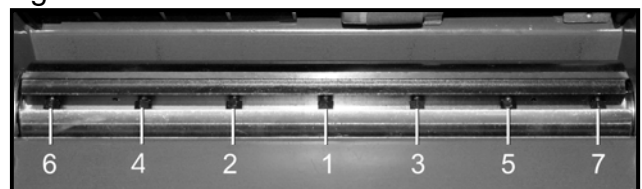


Figure-10 Tightening the bolts in sequence

Repeat the above step and fully tighten the bolts in sequence.

Position the knife gauge on the cutter head and check the height of the knife. The tip of the knife should be just touching the arc of the gauge.

If the knife is not secured at the correct height, loosen all the bolts and repeat the above four steps to correct the height.

Install the second knife, in the same way.

DRIVE BELT REPLACEMENT

The CT179 features a very durable drive belt which is located on the right side of the planer and may eventually require replacement.

TO REPLACE THE DRIVE BELT:

Disconnect the cord from the power source.

Uninstall the crank handle, the top cover and the side panels.

Loosen the two screws securing the belt guard and remove the belt guard.

Roll the belt off the pulleys.

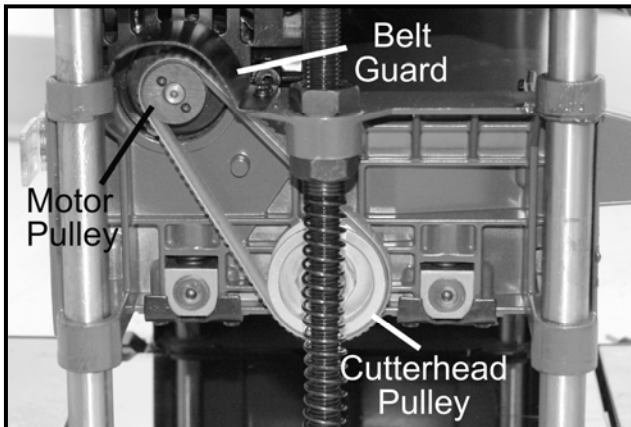


Figure-11 Replacing the drive belt

Position the new belt around the motor pulley so that the ribs of the belt are seated in the pulley grooves.

Apply pressure to the pulley with one hand and slowly rotate the motor pulley and install the belt on both pulleys.

When the belt is fully on both pulleys, rotate the pulleys with your hand and make sure the belt is properly installed onto the pulleys and the ribs of the belt are seated in the pulley grooves.

Reinstall the belt guard, side panels, top cover and the crank handle.

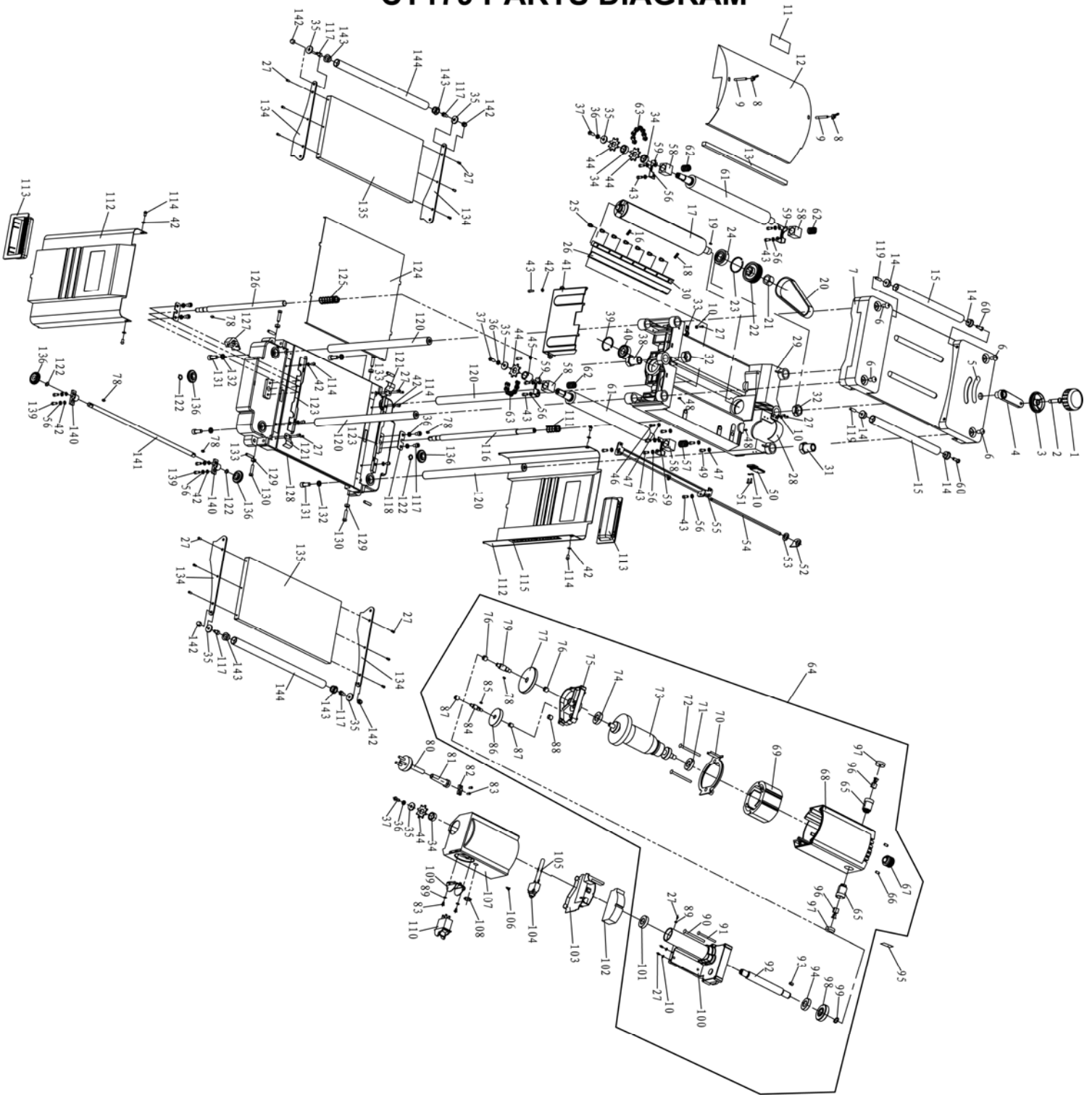
CT179 TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Fuzzy grain	<ol style="list-style-type: none"> 1. Planing wood with high moisture content. 2. Dull knives. 	<ol style="list-style-type: none"> 1. Dry the wood. 2. Sharpen the knives.
Torn grain	<ol style="list-style-type: none"> 1. Heavy depth of cut. 2. Knives cutting against grain. 3. Dull knives. 	<ol style="list-style-type: none"> 1. Review depth of cut. 2. Feed stock with the grain, or turn workpiece around. 3. Sharpen knives.
Rough/Raised grain	<ol style="list-style-type: none"> 1. Dull knives. 2. Heavy depth of cut. 3. Stock is wet. 4. Cutterhead bearings damaged. 	<ol style="list-style-type: none"> 1. Sharpen knives. 2. Review depth of cut. 3. Dry the stock. 4. Replace bearings.
Poor feeding or lumber	<ol style="list-style-type: none"> 1. Planer table is dirty. 2. Feed roller damaged. 3. Sprocket damaged. 4. Gear box malfunction. 	<ol style="list-style-type: none"> 1. Clean the dust & debris on the table. 2. Replace rollers. 3. Replace sprockets. 4. Check gear box.
Workpiece jammed	<ol style="list-style-type: none"> 1. Inadequate knife setting height. 	<ol style="list-style-type: none"> 1. Set the knives to the correct height.

CT179 TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Uneven depth of cut, side to side	<ol style="list-style-type: none"> 1. Knife projection not uniform. 2. Cutterhead no levelled to planer bed. 	<ol style="list-style-type: none"> 1. Adjust knife projection 2. Level cutterhead to tabel to planer bed.
Board thickness does not match depth of cut scale	<ol style="list-style-type: none"> 1. Depth cut scale is incorrect. 	<ol style="list-style-type: none"> 1. Adjust death of cut scale.
Chain jumping	<ol style="list-style-type: none"> 1. Sprockets misaligned. 2. Sprockets worn. 	<ol style="list-style-type: none"> 1. Align sprockets. 2. Replace sprockets.
Mechanical/ electrical machine won't start/restart.	<ol style="list-style-type: none"> 1. Not plugged in. 2. Circuit breaker/fuse. 3. Motor Failure. 4. Loose wire. 5. Overload reset has not reset. 6. Motor starter failure. 	<ol style="list-style-type: none"> 1. Check power source. 2. Check power source. 3. Have motor checked. 4. Have motor checked by qualified electrician. 5. Allow machine to cool down and restart. 6. Have motor starter checked by a qualified electrician.
Repeated circuit tripping resulting in motor stoppage	<ol style="list-style-type: none"> 1. Extension cord is too long or too thin 2. Knives too dull. 3. Low voltage running. 	<ol style="list-style-type: none"> 1. Use a shorter or thicker extension cord. 2. Sharpen or replace knives. 3. Check voltage.

CT179 PARTS DIAGRAM



CT179 PARTS LIST

#	DESCRIPTION	IVM
1	KNOB -	ABS
2	SCREW - M8-1.25 X	Q235A
3	LOW COVER	ABS
4	HANDLE LINK	ZL203
5	LABEL	
6	SCREW - M8-1.25 X 12	
7	UP SHIELD	
8	BOLT - M5-0.8	
9	BOLT - M5-0.8	
10	WASHER FLAT M4	
11	WARNING LABEL	
12	CHIP DEFLECTOR	Q235A
13	SPONGE INLAY	
14	COVER A	6
15	ROLLERS	Q235A
16	PIN M3 X 8	
17	CUTTERHEAD	45
18	SPRING C	
19	KEY M5 X 5 X 10	
20	BELT	
21	NUT M16-1.5	
22	PULLEY - CUTTERHEAD	ZL401
23	RING M40	
24	BEARING T6202-2RZ	
25	SCREW -	40Cr
26	BLADE	W18CrV
27	SCREW - M4-0.7 X 8	
28	HOOP	Q235A
29	FRAME	ZL102
30	FIX PLATE	45
31	SCREW - (CHAIN)	45
32	NUT - (ADJUST)	45
33	CLAMP	ABS

#	DESCRIPTION	IVM
34	SLEEVE	
35	WASHER - FLAT M6	
36	WASHER - LOCK M6	
37	SCREW - M6x16	
38	ADJUSTABLE SLEEVE	45
39	RING	
40	BEARING T6203-2RZ	
41	CHAIN COVER	ABS
42	WASHER - FLAT M5	
43	SCREW - M5-0.8 X 12	
44	CHAIN WHEEL	Q235A
45	BOLT (HS)	
46	SCREW - M6x20	
47	WASHER - FLAT M6	
48	PIN - (LIMITED)	Q235A
49	SCREW (Tapping) ST6x20	
50	POINTER	PC
51	SCREW - M4x10	
52	ANTI KICK-BACK PLATE	Q235A
53	WASHER - FLAT M6	
54	PIN M6 X 308	Q235A
55	SUPPORT	Q235A
56	WASHER - SPRING M5	
57	SPRING A	
58	OIL BEARING A	
59	FIX PLATE	Q235A
60	PIN	Q235A
61	FEED ROLLERS	
62	SPRING B	
63	CHAIN 08A-1x26	
64	WASHER - FLAT	
65	BRUSH HOLDER	
66	SCREW - M5-0.8 X 10	
67	PULLEY	Q235A

#	DESCRIPTION	IVM
68	MOTOR HOUSING	PC
69	STATOR	
70	BAFFLE	
71	BEARING 6200-2Z	
72	SCREW - M5-0.8 X 60	
73	ROTOR ASSEMBLY	
74	BEARING 6002-2Z	
75	GEAR BOX COVER	ZL102
76	OIL BEARING	FZ2175
77	GEAR	40Cr
78	KEY M4 X 4 X 8	
79	GEAR SHAFT	40Cr
80	CORD PLUG LAP-23	
81	SLEEVE	
82	CLAMP	
83	SCREW - (TAPPING) ST4x12	
84	SHAFT B	40Cr
85	KEY M3 X 3 X 7	
86	GEAR C	40Cr
87	OIL GEARING D	FZ2175
88	POSITION SLEEVE	Q235A
89	GEAR 4	
90	SCREW - (TAPPING) ST5x60	
91	SCREW - (TAPPING)ST5x50	
92	SHAFT	45
93	KEY M4 X 4 X 10	
94	GEARING 6202	
95	MOTOR LABEL	
96	BRUSH	
97	BRUSH CAP	
98	GEAR A	40Cr
99	RING M16	
100	GEAR BOX	ZL102

#	DESCRIPTION	IVM
101	BEARING 6002	
102	SPONGE PAD	
103	COVER	
104	SWITCH - OVERLOAD 125/250 [RELAY]	
105	CLIP 16-14A [STRAIN RELIEF]	
106	SCREW - (TAPPING) SR3x8	
107	COVER	PC
108	NUT M12-	
109	SWITCH FIX PLATE	Q235A
110	SWITCH CB-B	
111	SPRING	
112	COVER	Q235A
113	HANDLE	ABS
114	SCREW - M5-0.8 X 8	
115	RULER	
116	RIGHT LEADSCREW	45
117	SCREW - M6-1.0 X 8	
118	WASHER	Q235A
119	PIN M6 X 22	
120	COLUMNS	45
121	SPRING	65Mn
122	RING M10	
123	GUIDE PLATE	Q235A
124	MAIN TABLE	1Cr13
125	SPRING (COLUMN)	
126	LEFT LEADSCREW	45
127	ABSORBER [FEET]	
128	WORKTABLE	ZL102
129	NUT - [HEX] M6-1.0	
130	BOLT - M6-1.0 X 25	
131	SCREW - M8-1.25 X 20	
132	WASHER - FLAT M8	
133	PIN - SPRING M6 X 20	

#	DESCRIPTION	IVM
134	CONNECTION PLATE	Q235A
135	EXTENSION WINGS	Q235A
136	BEVEL GEAR	
137		
138		
139	SCREW - (TAPPING) ST4 X 10	
140	OIL BEARING	FTG70Cu3-35
141	TRANSMISSION SHAFT	Q235A
142	NUT - [HEX] M6-1.0	
143	PLUNGER	6
144	EXTENSION WING ROLLERS	Q235A
145	SPANNER	65Mn
146	FEELER BLOCK	
147	SCREW M8-1.25 X 45	
148	SPANNER M5	
149	SPANNER M4	



WARRANTY

CRAFTEX 2 YEARS LIMITED WARRANTY

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

Proof of purchase is necessary.

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

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

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

RETURNS, REPAIRS AND REPLACEMENTS

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

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

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