



OWNER'S MANUAL



CT053 - 1HP DUST COLLECTOR



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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.
- ❑ **DISCONNECT** the power source when changing drill bits, hollow chisels or making other adjustments or repairs.
- ❑ **NEVER** leave an operating tool unattended.
- ❑ **NEVER** reach over the table when the tool is in operation.
- ❑ **ALWAYS** keep blades, knives or bits sharp and properly aligned.
- ❑ **ALWAYS** keep all safety guards in place and ensure their proper function.
- ❑ **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** secure your work with the appropriate clamps or vises.
- ❑ **ALWAYS** keep bystanders safely away while operating machinery.
- ❑ **THINK SAFETY. WORK SAFELY.** Never attempt a procedure if it does not feel safe or comfortable.

CT053 SPECIFIC SAFETY INSTRUCTIONS

FOR YOUR HEALTH, DUST COLLECTION IS NOW A NECESSITY NOT A LUXURY

- ❑ The CT053 is designed to collect sawdust *ONLY*.
- ❑ **NEVER** attempt to use this Dust Collector to vacuum water or any other liquids.
- ❑ **NEVER** try to use this Dust Collector to collect large wood scraps.
- ❑ **NEVER** attempt to use this Dust Collector to collect metal materials such as screws, nails or other metal parts.
- ❑ **NEVER** remove the filter bag or the collection bag with the motor operating.
- ❑ **NEVER** operate the Dust Collector with all blast gates closed.
- ❑ **ALWAYS** disconnect the CT053 from its power source when changing or emptying the bags.
- ❑ **ALWAYS** be sure that the collection and filter bags are securely fastened to the Collector Body.

CT053 DUST COLLECTOR

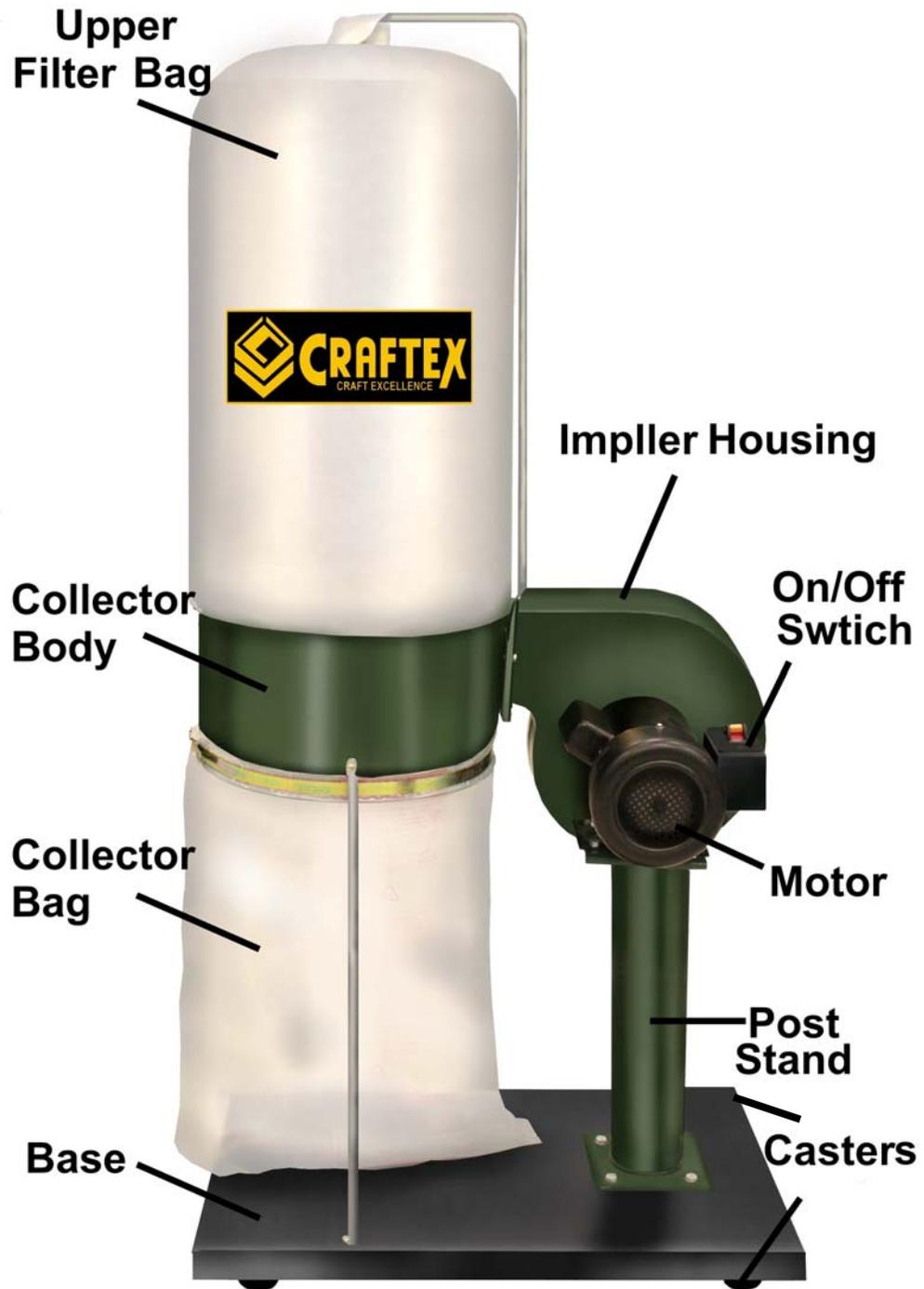
FEATURES

As part of the growing line of **Craftex** woodworking equipment, we are proud to offer the CT053 Professional Dust Collection System. 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 CT053 is a professional tool and like all power tools, proper care and safety procedures should be adhered to.

This powerful low-noise factor dust collector is portable and may be set up in semi permanent locations. Transparency of the lower bag (made of polyethylene) allows you to view the contents without constantly opening the bag.

- ❑ Motor – 1 HP, 110 volt, 7 amps.
- ❑ Safety Power Switch with removable key.
- ❑ Balanced steel impeller.
- ❑ Impeller size – 10”.
- ❑ Lower bag volume – 2.67 cubic feet.
- ❑ Transparent Polyethylene lower collector bag for content visibility.
- ❑ Static Pressure – 6”.
- ❑ Air suction capacity – **570 CFM**.
- ❑ Intakes – 1 @ 4”.
- ❑ **One-Micron** upper filtration bag.
- ❑ Mobile base for ease of movement.
- ❑ May be installed without casters for stationary use.
- ❑ Weight – 30kg.

CT053 DUST COLLECTOR ILLUSTRATED FEATURES



CT053 DUST COLLECTOR UNPACKING

Your Craftex CT053 Dust Collector is shipped in one carton and care should be taken to be certain that all components are carefully removed.

The parts include:

- * Impeller Fan and Motor.
- * Collector Body.
- * Stand Post.
- * Base Unit.



- * Gasket.
- * Upper Filter Bag.
- * Bottom Collector Bag.
- * Castors.
- * Assembly Parts.



- * Straps
- * Top Bag & Collection Bag Support Bars
- * User Manual



CT053 DUST COLLECTOR Assembly Instructions

Installing the Caster Wheels

You will first want to start by assembling the base and casters.

Select the Base Plate and turn it upside down.

Select the 4 Castors and the 16 pan-Head Screws and install the casters to the inverted Base Plate.

Note: Ignore the above steps if you wish the CT053 to be a stationary tool.



Installing the Caster Wheels to the Base

Post Assembly

With the Base Plate in the upright position, select the Stand Post and mount it on the 4 holes in the Base Plate with the 4 Hex-Head bolts and tighten securely. You now have the lower portion of your dust collector complete.



Attaching the Post Stand on the Base

CT053 DUST COLLECTOR Assembly Instructions

Motor and Impeller Assembly

Select the Motor/Impeller unit and attach it to the Post as shown with 4 Hex Bolts. Tighten securely.



Attaching Motor/Impeller to the Post Stand

Rubber Gasket

After you are done mounting the motor to the post stand take the rubber gasket and place it on the flange at the motor/impeller opening as you can see in the figure on the right.



Attaching the Gasket to the Impeller Opening

CT053 DUST COLLECTOR Assembly Instructions

Collector Assembly

Select the 6 Hex Bolts from the parts package and assemble the Collector to the Motor/Impeller unit as illustrated and tighten securely.



Attaching Collector to the Motor/Impeller

Collection Bag & Top Bag Support Rods

Attach one end of the collection bag support rods to the base and the other end to the collector with the help of screws and washers provided as shown in the figure.

Take the top bag support rod and attach only one end to the collector as show in the figure below.



Attaching Top Bag Support Bar to the Collector



Bottom Collection Bag Support Bars

CT053 DUST COLLECTOR Assembly Instructions

Collector Support Bolts

Adjust the two hex bolts located on the post stand, against the impeller and tighten the hex nut.



Collector Support Bolts

Installing Collector and Filter Bags

The cloth, Filter Bag should be attached to the upper portion of the Collector with the straps sewn into the bag as shown.

The Polyethylene Collector Bag is attached to the bottom of the Collector as illustrated.



Top Filter Bag Attached to the Collector



Bottom Bag Attached to the Collector

CT053 DUST COLLECTOR **“OPTIONAL” Grounding**

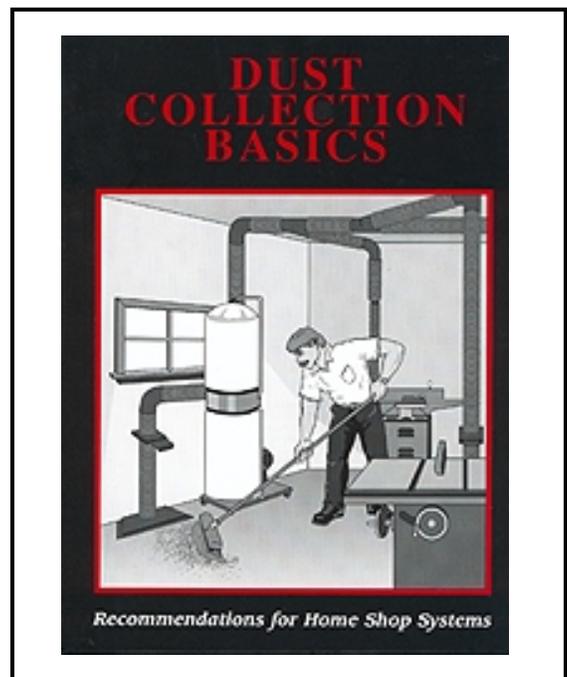
Craftex offers an OPTIONAL grounding system with the CT053 to decrease the shock hazard (although extremely rare). The sawdust being collected becomes very dry as it travels through the collection pipes or tubes and as it spins through the system it creates a static charge. If this is not grounded, it could give the tool operator a static shock. Although the electrical shock is extremely minor, it may have consequences to some individuals.



Grounding Kit Model # W1053

The grounding of the pipes or tubes will help eliminate the possibility of these shocks. The copper wire included with the grounding kit should be connected to the steel chassis of the dust collector and fed through a small hole made in the tubing or pipe. The wire should then be fed to the tool being used and grounded to the steel chassis. Should there be more than one tool connected (through gates) to the CT053, they should all be grounded as described above.

For more information in regards to this, you may refer to the ‘Dust Collection Basics’ book, model W1050. This book covers all topics in regards to home dust collection for the workshop.



Dust Collection Basics Book
Model # W1050

Connecting CT053 to the Power Source

Your CT053 Dust Collector is equipped with a Safety Switch that has a removable key. This key will help prevent unauthorized use of the tool.

The CT053 is also equipped with a three-prong grounding plug. Under no circumstances should the long grounding prong be tampered with. The CT053 must be connected to a properly grounded power outlet.

Your CT053 is now ready to connect to your power tools through the use of 4" dust collection hoses or ducts to help keep your shop dust-free.

Remember; do not use this machine for anything other than collecting sawdust. Failure to do so could result in malfunction of the machine and may void the warranty.



Useful Notes

Wood dust can be very dangerous if one is exposed to it very often. As dust collection has gained popularity over the years, so has consumer knowledge about this concern, but it is always good to know just how dangerous wood dust can be if overexposure and or unsafe woodworking practice takes place.

Health Risk and Hazards that can be caused by exposure to wood dust include the following:

- Asthma
- Eye Irritation
- Hypersensitivity
- Skin Irritation
- Dermatitis
- Suberosis
- Acute Airway Obstructions
- Chronic Bronchitis
- Granulomatous Pneumonitis
- Nasal Cancer

Formulas

Velocity (FPM) = Volume (CFM) / Cross Sectional Area (ft.²)

Volume (CFM) = Velocity (FPM) x Cross Sectional Area (ft.²)

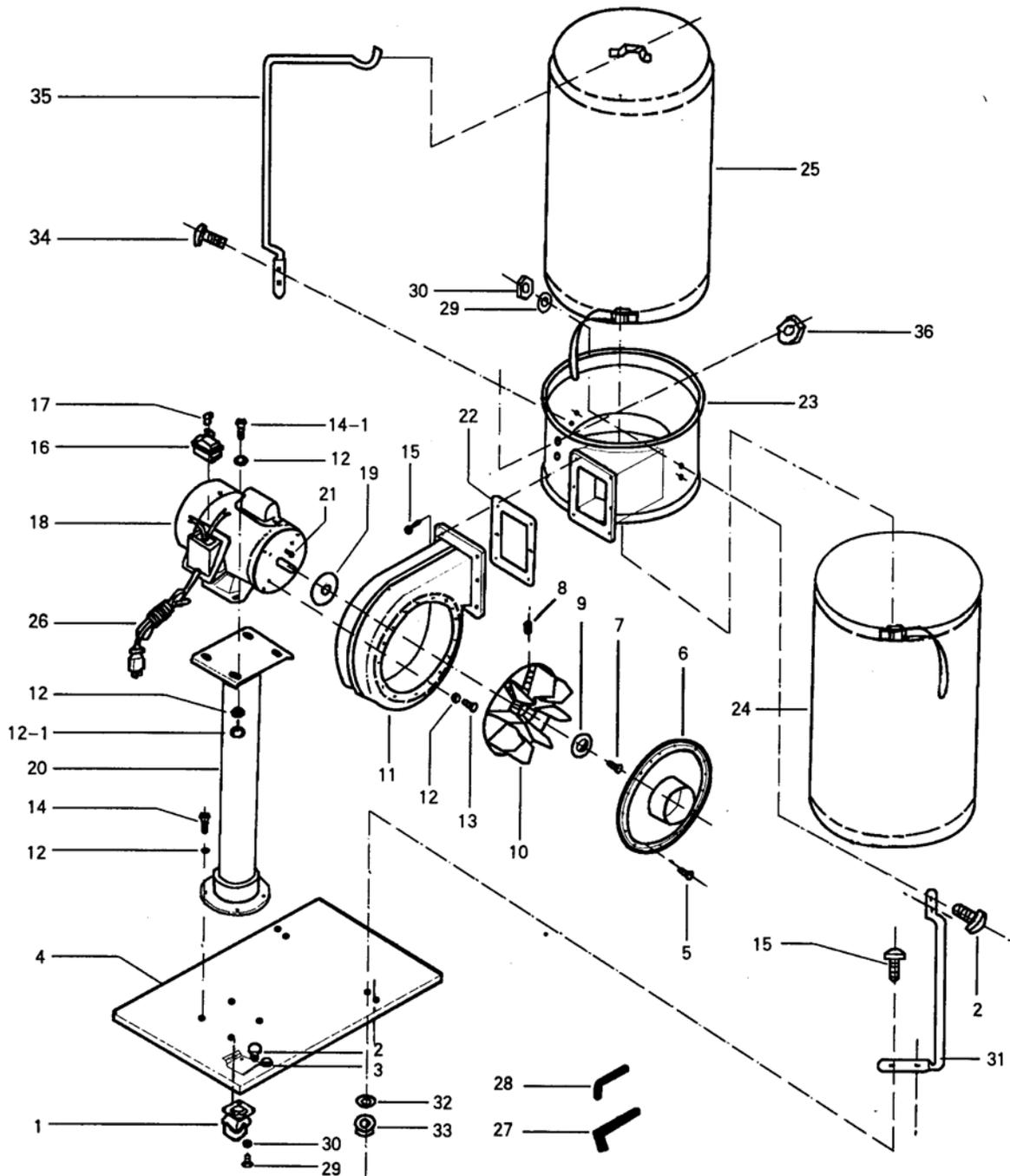
Cross Sectional Area (ft.²) = Volume (CFM) / Velocity (FPM)

Circle Area = 3.142 x Radius²

Diameter = 2 x Radius

CT053 DUST COLLECTOR

PARTS BREAKDOWN



CT053 DUST COLLECTOR

PARTS LIST

1	Caster	Roulette	Wiel
2	Screw pan hd	Vis pan. hd.	Schroef pan. hd.
3	Spring washer	Ressort, bague	Veer, tussenring
4	Base plate	Plateau de base	Basisplaat
5	Screw pan hd	Vis pan. hd.	Schroef pan. hd.
6	Inlet cover	Couverture de la porte d'entrée	Inlaatafscherming
7	Screw hex soc hd	Vis hex. soc. hd.	Schroef hex. soc. hd.
8	Set screw soc hd	Vis soc. hd.	Zetschroef soc. hd.
9	Washer	Bague	Tussenring
10	Turbo fan	Ventilateur turbo	Turbo ventilator
11	Collector body	Corps de l'aspirateur	Stofafzuigingslichaam
12	Washer	Bague	Tussenring
12-1	Nut	Écrou	Moer
13	Screw hex hd	Vis hex. Hd.	Schroef hex. Hd.
14	Screw hex hd	Vis hex. Hd.	Schroef hex. Hd.
14-1	Screw hex hd	Vis hex. Hd.	Schroef hex. Hd.
15	Screw hex hd	Vis hex. Hd.	Schroef hex. Hd.
16	Switch	Interrupteur	Schakelaar
17	Key switch	Clé interrupteur	Sleutelschakelaar
18	Motor	Moteur	Moter
19	Packing	Couverture	Pakking
20	Column & motor plate	Colonne & plateau du moteur	Kolom & moterplaat
21	Key	Clé	Sleutel
22	Packing	Couverture	Pakking
23	Collector	Collecteur	Collector
24	Collector bag	Sac de collection	Collectorzak
25	Filter bag	Sac de filtrage	Filterzak
26	Power cord	Fil du courant	Stroomsnoer
27	Wrench hex	Clé hex.	Sleutel hex.
28	Wrench hex	Clé hex.	Sleutel hex.
29	Spring washer	Ressort bague	Veer tussenring
30	Nut	Écrou	Moer
31	Bracket	Crochet	Haakje
32	Washer	Bague	Tussenring
33	Nut	Écrou	Moer
34	Screw	Vis	Schroef
35	Pole	Pôle	Pool
36	Nut	Écrou	Moer

OPTIONAL ACCESSORIES

PVC FLEX HOSE

PH003 - 3" PVC Pipe ~ per foot, or 50 ft. Roll
PH004 - 4" PVC Pipe ~ per foot, or 50 ft. Roll
PH00425 - 4" PVC Pipe ~ 25 feet. Roll
PH004FX - 4" Super Flex PVC Pipe - 10 ft. Sections
PH005 - 5" PVC Pipe ~ per foot, or 50 ft. Roll



Dust Accessories Kit For 4" Fittings

Model – W1055

Kit #2 to service two machines
Two blast gates, two 10' hoses, one table saw hood, one universal hood, one "Y" fitting, ten hose clamps
17 pieces



Dust Accessories Kit For 4" Fittings

Model - W1054

Kit # 1 to service one machine
10' hose, one universal hood, two hose clamp
4 pieces



Replacement Bags for CT053

Model - B1140B - Bottom Dust Bag - 30 micron
Model - B1140BT - Top Dust Bag - 30 micron
Model - CT034 - Bottom plastic bags for (5pcs)
Model - CT032 - 1-micron replacement bag
Model - CT155 - Easy On Dust Collection Bags (5pcs)
Steel Straps Clamps – Model CT036 - 2pc clamp set



Grounding Kit for CT053

Model - W1053 - Grounding Kit for CT053



Canister Upgrade Kit

CT053CH





WARRANTY

CRAFTEX 3 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 **three years** for parts and 90 days for labour (unless specified otherwise), to the original purchaser from the date of purchase but does not apply to malfunctions arising directly or indirectly from misuse, abuse, improper installation or assembly, negligence, accidents, repairs or alterations or lack of maintenance.

Proof of purchase is necessary.

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

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

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

RETURNS, REPAIRS AND REPLACEMENTS

To return, repair, or replace a Craftex product, you must visit the appropriate Busy Bee Tools showroom. 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.