CXP01
1/8-HP VARIABLE SPEEDS POWER FEEDER
User Manual

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GENERAL SAFETY INSTRUCTIONS FOR MACHINES

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 person 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.

CXP01 POWER FEEDER
SPECIFIC SAFETY INSTRUCTIONS

- **ALWAYS READ** and understand the user manual before operating the power feeder.
- **MAKE SURE** the cutting tools are rotating at the operating speed before feeding the work-piece into the cutter.
- **NEVER OVERLOAD** the cutting tool by feeding too quickly. The tool will perform better and be safer at the rate for which it is designed.
- **KEEP YOUR FINGERS** away from the rotating parts. Make sure hands and clothing are safely away from the rotating parts or the work-piece.
- **DO NOT FEED** long work-pieces without providing proper support at the out-feed end of the table.
- **ALWAYS STOP** the feeder first, then the machine.
- **MAKE SURE** before making any adjustments, the switch is in the “OFF” position and the cord is un-plugged from the power source.
- **BEFORE OPERATING** your power feeder, make sure you have read and understood all the safety instructions in this manual and you are familiar with your feeder. 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*.**

CXP03 POWER FEEDER

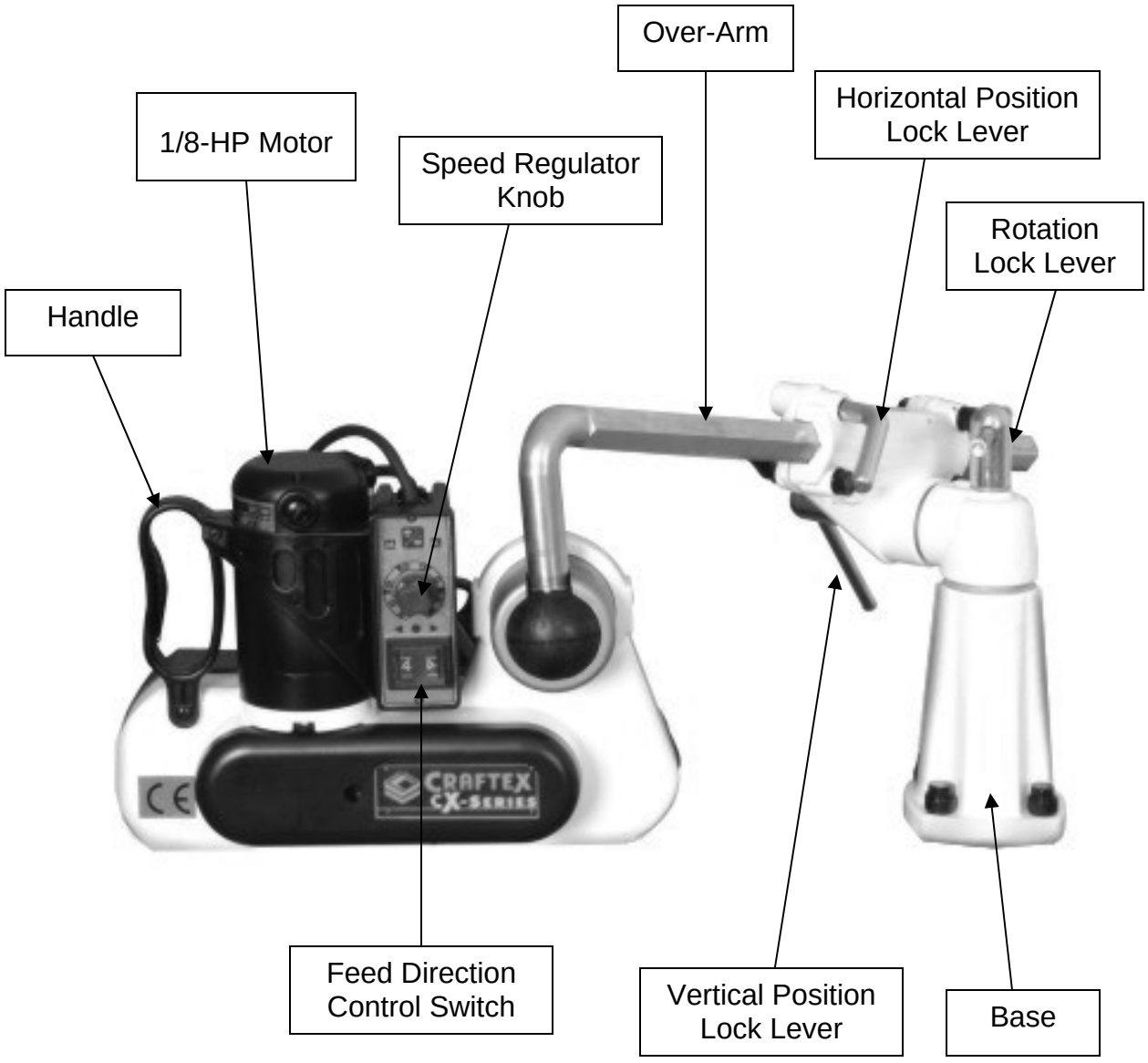
FEATURES

MODEL CXP01 – 1/8-HP VARIABLE SPEED POWER FEEDER

As part of the growing line of Craftex woodworking equipment, we are proud to offer the CXP01, A 1/8-HP Variable Speed Power Feeder. The Craftex name guarantees Craft Excellence. By following the instructions and procedures laid out in this user manual, you will receive years of excellent service and satisfaction. The CXP01 is a professional tool and like all power tools, proper care and safety procedures should be adhered to.

- Motor ..... 1/8-HP, 110-Volts, Single Phase, 60-Hz, 550-3300 RPM
- Power Transfer ..... Gear Box
- Feed Speeds ..... 6-1/2 - 39 FPM
- Number of Speeds..... Variable
- Swing..... 360-Degree
- Vertical Movement..... 10-1/4”
- Horizontal Movement..... 10-1/4”
- Feed Direction ..... Forward and Reverse
- Number of Rollers..... Three
- Roller Width ..... 2”
- Roller Diameter..... 4”
- Roller Construction ..... Synthetic Rubber
- Housing Construction ..... Cast Aluminum
- Column Construction ..... Steel
- Paint ..... Powder Coated Paint
- Length/Width/Height ..... 31” x 11” x 12”
- Weight ..... 22 lbs
- Warranty ..... 3 Years

CXP01 1/8-HP POWER FEEDER
PHYSICAL FEATURES



UNPACKING

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

Open the box and check that the power feeder and the parts are in good condition.

POWER FEEDER POSITIONS

Position the power feeder on the table top of your machine to determine where to drill the base mounting holes so that you minimize the power feeder swing and adjustments.

The figure below shows the power feeder mounting position on a table saw, a jointer and a shaper.

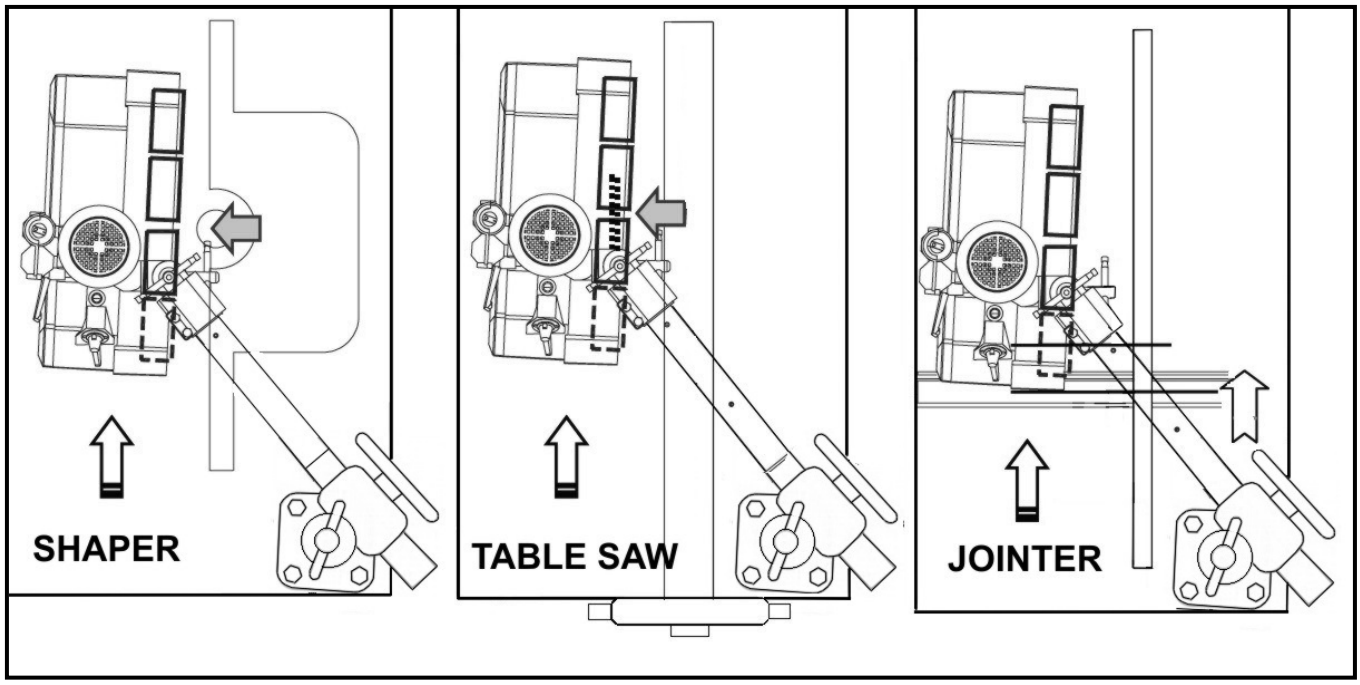


Figure-1 Power feeder mounting position on a shaper, table saw and jointer

MOUNTING

Place the power feeder base on the table, where you want to mount it. Mark 4 holes on the table surface through the holes on the table using a center punch. Remove the base and drill 4 tap holes on the table surface.

Mount the base on the table using 4 sets of bolts and spring washers (not provided). Make sure the bolts are longer than the thickness of the base plus the thickness of the table top.

ASSEMBLY

To assemble the CXP01 power feeder:

Place the swivel joint on the base as shown in figure-2. Thread the lever into the base until the swivel joint is secured properly to the base.

Figure-2 Securing the swivel joint to the base

Insert the over-arm into the ball joint and secure it using M10 -1.5 x 25mm cap screw provided. See figure-3.

Now, insert the ball joint into the power feeder upper ball housing.

Insert the upper ball housing into the upper ball housing kit so that it rests against the ball joint ball. See figure-3

Do not lubricate the ball joint ball.

Figure-3 Ball joint and ball housing kit

Align the ball joint socket with the power feeder socket and insert the frame shaft. Secure it by threading the setting handle into the frame shaft as shown in figure-4.

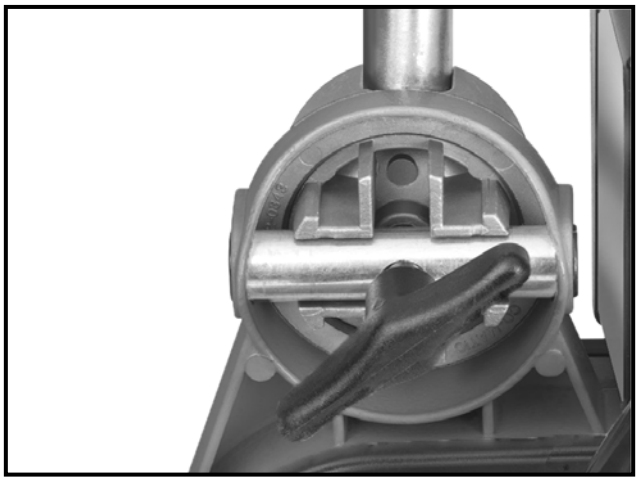


Figure-4 Ball joint assembly

Slide the over-arm into the over-arm bracket and make sure the teeth of the over-arm and the gear are holding each other as shown in figure-5.

Do not lubricate the over-arm or the gear teeth.

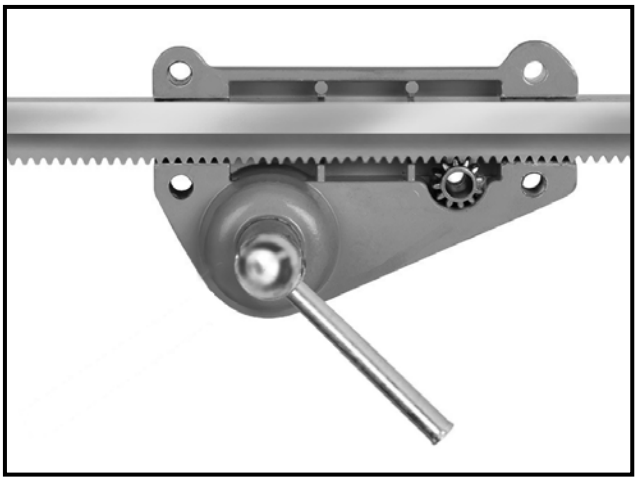


Figure-5 Over-arm bracket

Attach the over-arm bracket cover as shown in figure-6 using washers and bolts provided.

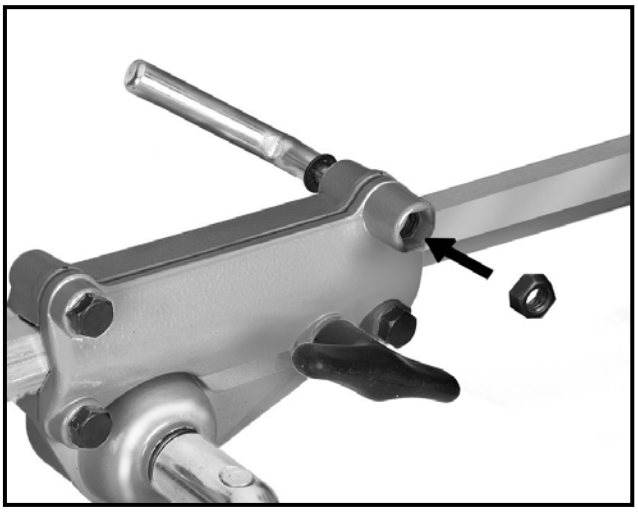


Figure-6 Installing the over-arm cover

IMPORTANT

Do not over-tighten the bolts. Over-tightening the bolts will prevent the arm from sliding smoothly.

Now, insert the horizontal movement handle into the through the hole on the over-arm cover as shown in figure-7. The handle should engage the spline in the gear.

Figure-7 Spline in the gear

Place the E-clip on the end of the horizontal movement handle as shown in figure-8. Turn the handle and make sure that the bolts are not over-tightened or loose.

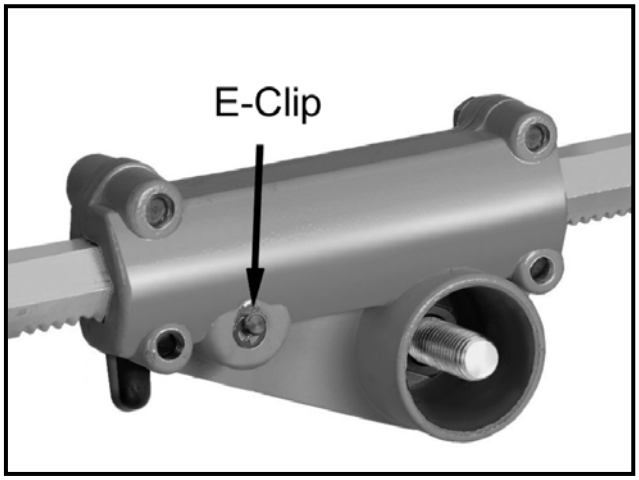


Figure-8 Horizontal movement handle E-clip

Place the arm bracket onto the swivel joint as shown in figure-9 and thread the handle onto over-arm bracket stud to secure it.

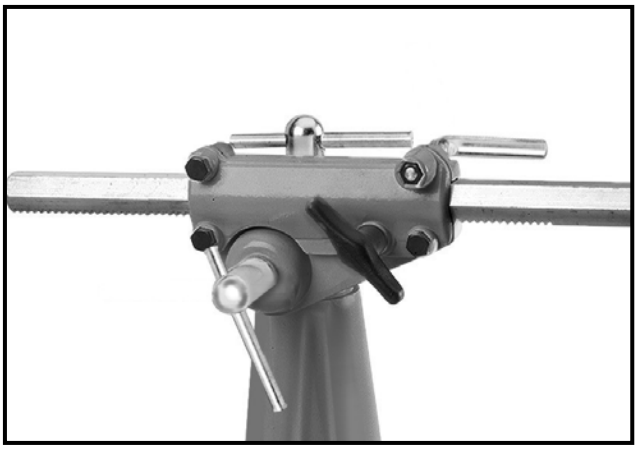


Figure-9 Arm bracket secured to the swivel joint

PROPER GROUNDING

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

CXP01 must be grounded while in use to prevent the possibility of electric shock.

The power cord of the feeder has a three prong grounding plug. The plug must be plugged into an outlet that accepts three prongs, and the outlet must be confirmed to local standards for electric safety.

If using an extension cord, make sure it is a three prong grounding type, and matches the receptacle.

Check the cord periodically for damage or fraying and replace immediately if damage or frayed are found.

If you are ever in doubt as to whether your receptacle or circuit is properly grounded, have it checked by a certified electrician.

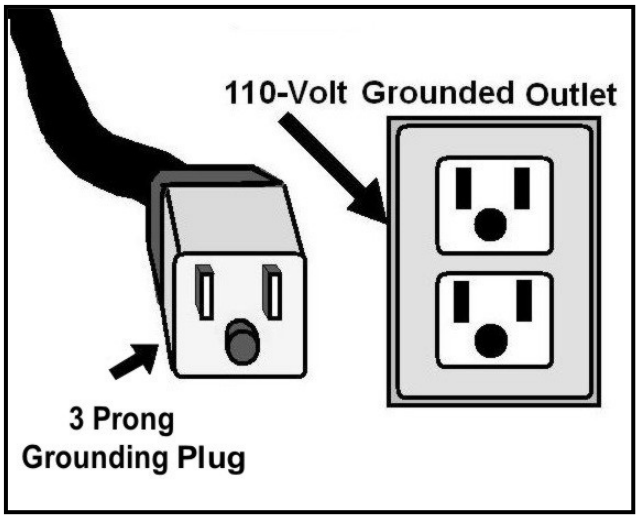


Figure-10 110-volt grounding outlet for CXP01

It is strongly recommended not to use extension cords with your CXP01. Always try to position your machine close to the power source so that you do not need to use extension cords.

In case if you really find it necessary to use an extension cord, make sure the extension cord does not exceed 50-feet in length and the cord is 16-gauge to prevent motor damage.

WARNING

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

TEST RUN

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

During the test run if there is any unusual noise coming from the power feeder or the power feeder vibrates excessively, turn OFF the power switch immediately and disconnect from the power source Investigate if you can find out the problem with your machine.

READ THE MANUAL

Before starting the power feeder, make sure that you have read and understood the manual and you are familiar with the functions and safety features on this tool. Failure to do so may cause serious personal injury.

To test run the power feeder:

Remove all the tools and foreign objects from the table surface and the speed regulator knob (as shown in figure-11) is pushed in and turned all the way to the left.

Set the feed direction control switch in the middle position as shown in figure-11.

Adjust the power feeder so that the rollers are 1” above the table surface and connect the cord to the power source.

Push the feed direction control switch to the left or right.

To run the power feeder, pull the speed regulator knob out.

Now, turn the speed regulator knob clockwise and this should increase the speed of the wheels.

Turn the speed regulator knob back to zero to stop the wheels.

Push the feed direction control switch to the opposite direction and turn the speed regulator knob clockwise. This should turn the wheels to the opposite direction.

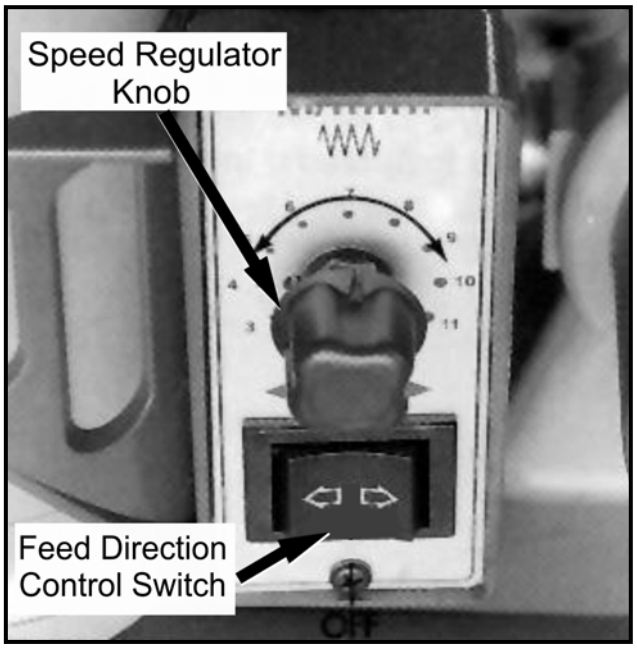


Figure-11 Speed regulator knob and feed direction control switch

Turn the speed regulator knob anti-clockwise to slow down the wheels and push it in to turn the power feeder OFF.

MAINTENANCE

During the life of your tool, you will need to practice some regular maintenance to keep your feeder in peak performance condition.

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

ROLLER REPLACEMENT

Push the speed regulator knob in and un-plug the cord from the power source.

Remove the screws securing the cover and remove the cover.

Use ring pliers, remove the ring and replace the old roller with a new one.

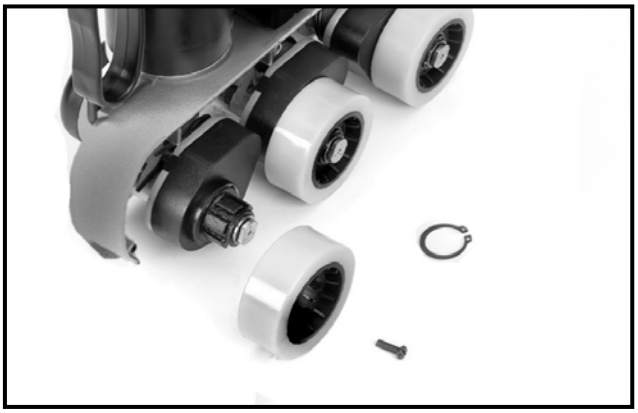


Figure-11 Removing the ring

Install back the ring and re-attach the cover and secure it with the screws removed.

CLEANING

Dust build up around the motor can decrease the life of the motor. Make sure the motor and the rollers remain free and clear of all dust and debris build up.

BRUSH REPLACEMENT

When the motor brushes are worn and need to be replaced, you will notice that the machine looses some power.

To replace the brushes:

Push the speed regulator knob in and un-plug the cord from the power source.

Un-screw the brush caps as shown in figure-12.

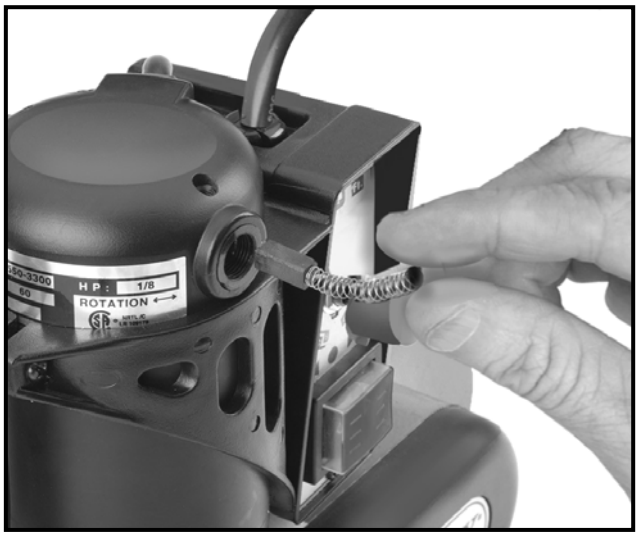
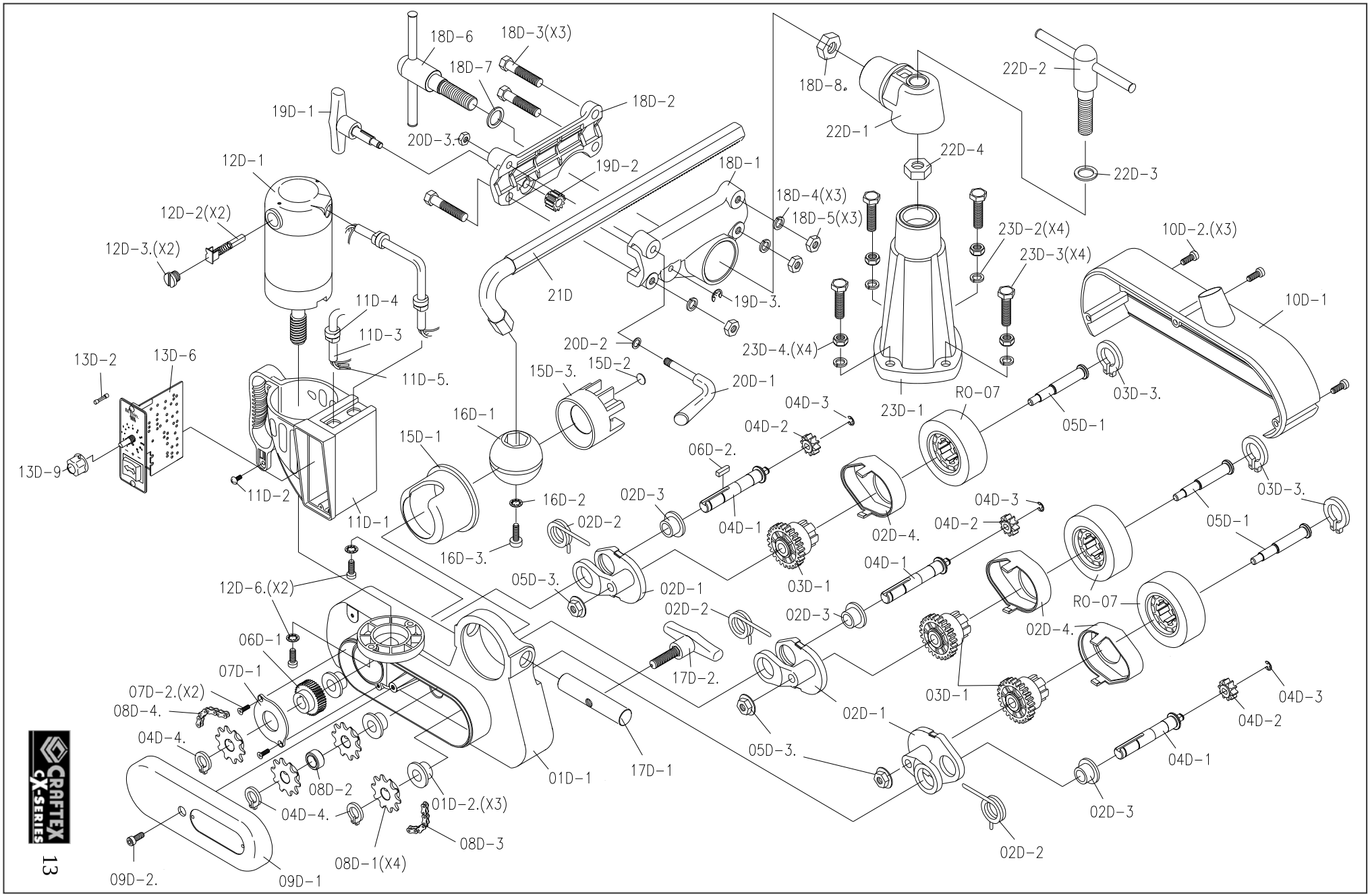


Figure-12 Removing the brush caps

Replace the brush set with new ones and re-install the caps.


18D-6
18D-3(X3)
18D-7
18D-2
19D-1
20D-3.
19D-2
18D-1
12D-1
12D-2(X2)
12D-3.(X2)
21D
19D-3.
18D-8.
22D-1
22D-2
22D-4
22D-3
18D-4(X3)
18D-5(X3)
23D-2(X4)
23D-3(X4)
23D-4.(X4)
23D-1
10D-2.(X3)
10D-1
11D-4
11D-3
11D-5.
20D-2
20D-1
15D-3.
15D-2
16D-1
15D-1
13D-2
13D-6
13D-9
11D-2
11D-1
16D-2
16D-3.
02D-2
02D-3
04D-3
04D-2
06D-2.
04D-1
02D-4.
RO-07
03D-3.
05D-1
03D-1
05D-3.
02D-1
12D-6.(X2)
06D-1
07D-1
07D-2.(X2)
08D-4.
04D-4.
08D-2
01D-1
17D-1
17D-2.
01D-2.(X3)
08D-3
08D-1(X4)
09D-2.
09D-1

Part #	Code #	Description	Q'ty		Part #	Code #	Description	Q'ty		Part #	Code #	Description	Q'ty
01D	01D	Frame Kit	1		08D-2	08D-2	Bushing (14x21x10.5)	1		18D-3	S601050	Hex Screw (M10-1.5Px50L)	3
01D-1	C020338	Frame	1		08D-3	08D-3	Chain (18S)	1		18D-4	N030010	Spring Washer (M10)	3
01D-2*	A500335	Bushing (14x(20+30)(12+3))	3		08D-4*	08D-4*	Chain (24S)	1		18D-5	N11010R	Nut (M10-1.5P)	3
02D	02D	Sprocket Case Kit	1		09D		Back Cover Kit	1		18D-6	G020015A	Lever	1
02D-1	C020331	Sprocket Case	3		09D-1	09D-1	Back Cover	1		18D-7	N011825	Flat Washer (M18x25x2t)	1
02D-2	N950003	Spring (φ30xφ3)	3		09D-2*	09D-2*	PH. Screw (M5-0.8Px16L)	1		18D-8*	N11016R	Nut (M16-2.0P)	1
02D-3	A500335	Bushing (14x(20+30)(12+3))	3		10D		Front Cover Kit	1		19D	19D	Transmission Handle Kit	1
02D-4*	U010054	Case Cap	3		10D-1	10D-1	Front Cover	1		19D-1	G020016	Setting Handle	1
03D	03D	Gear and Kit	1		10D-2*	10D-2*	PH. Screw (M5-0.8Px16L)	3		19D-2	A500338	Pinion	1
03D-1	U010005A	Gear Kit (25T)	3		11D		Control Box Kit	1		19D-3*	N530005	"E" Circlip (E5)	1
03D-3*	N510024	Snap Ring (24)	3		12D		DC Motor Kit, 1/8HP	1		20D	20D	Lever Kit	1
04D	04D	Driving Shaft Kit	1		13D		Control System Kit	1		20D-1	G020012	Lever	1
04D-1	G320019	Driving Shaft	3		15D	15D	Ball-Joint Assembly	1		20D-2	N015816	Flat Wahser (5/16"x16)	1
04D-2	A500001	Gear (10T)	3		15D-1	C020343	Lower Ball-Housing	1		20D-3*	N11008R	Nut (M8-1.25P)	1
04D-3	N530006	"E" Circlip (E6)	3		15D-2	G110041	Stopper	1		21D	G080001	Overarm	1
04D-4*	N510014	Snap Ring (14)	3		15D-3*	C020342A	Upper Ball-Housing Kit	1		22D	22D	Swivel-Cone Kit	1
05D	05D	Shaft Kit	1		16D	16D	Ball Kit	1		22D-1	C020335	Swivel-Joint	1
05D-1	G320020	Shaft	3		16D-1	U010056	Ball	1		22D-2	G020015A	Lever	1
05D-3*	N12008R	Flange Nut (M8-1.25P)	3		16D-2	N030010	Spring Washer (M10)	1		22D-3	N011825	Flat Washer (M18x25x2t)	1
06D	06D	Bevel Gear Kit	1		16D-3*	S901025	Cap Screw (M10-1.5Px25L)	1		22D-4*	N11016R	Nut (M16-2.0P)	1
06D-1	A500339	Bevel Gear	1		17D	17D	Horizontal Bar Kit	1		23D	23D	Base Kit	1
06D-2*	K420520	Key (5x5x20L)	1		17D-1	G020017	Frame Shaft	1		23D-1	C020340	Base	1
07D	07D	Bevel Gear Cap Kit	1		17D-2*	G020018	Setting Stud	1		23D-2	N030010	Spring Washer (M10)	4
07D-1	U010063	Bevel Gear Cap	1		18D	18D	Overarm Assembly	1		23D-3	S601035	Hex Screw (M10-1.5Px35L)	4
07D-2*	S400410	PH. Screw (M4-0.7Px10L)	2		18D-1	C020336	Overarm Body	1		23D-4*	N11010R	Nut (M10-1.5P)	4
08D		Sprocket Kit	1		18D-2	C020337	Overarm Clamp	1		RO071	RO071	Roller(φ76x30mm W, PC)	3
08D-1	08D-1	Sprocket (10T)	4										

WARRANTY

CRAFTEX 3 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 **three 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.