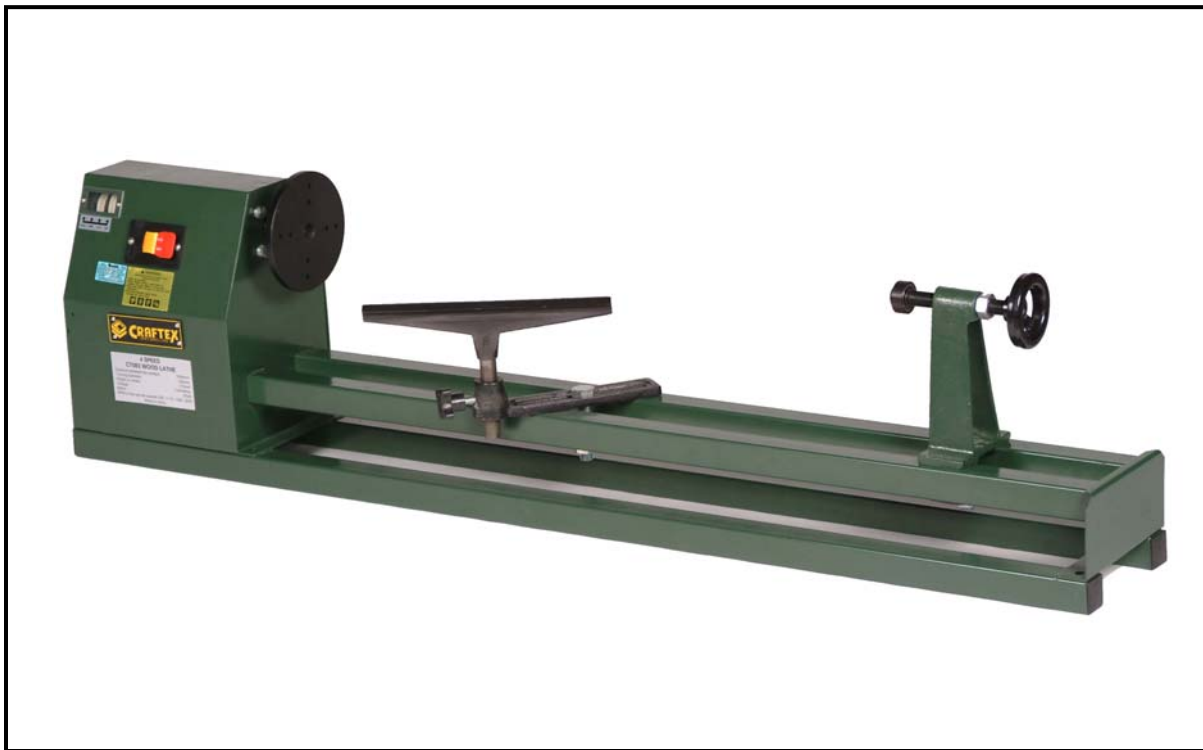




# CT083 14" x 40" WOOD TURNING LATHE Instruction Manual



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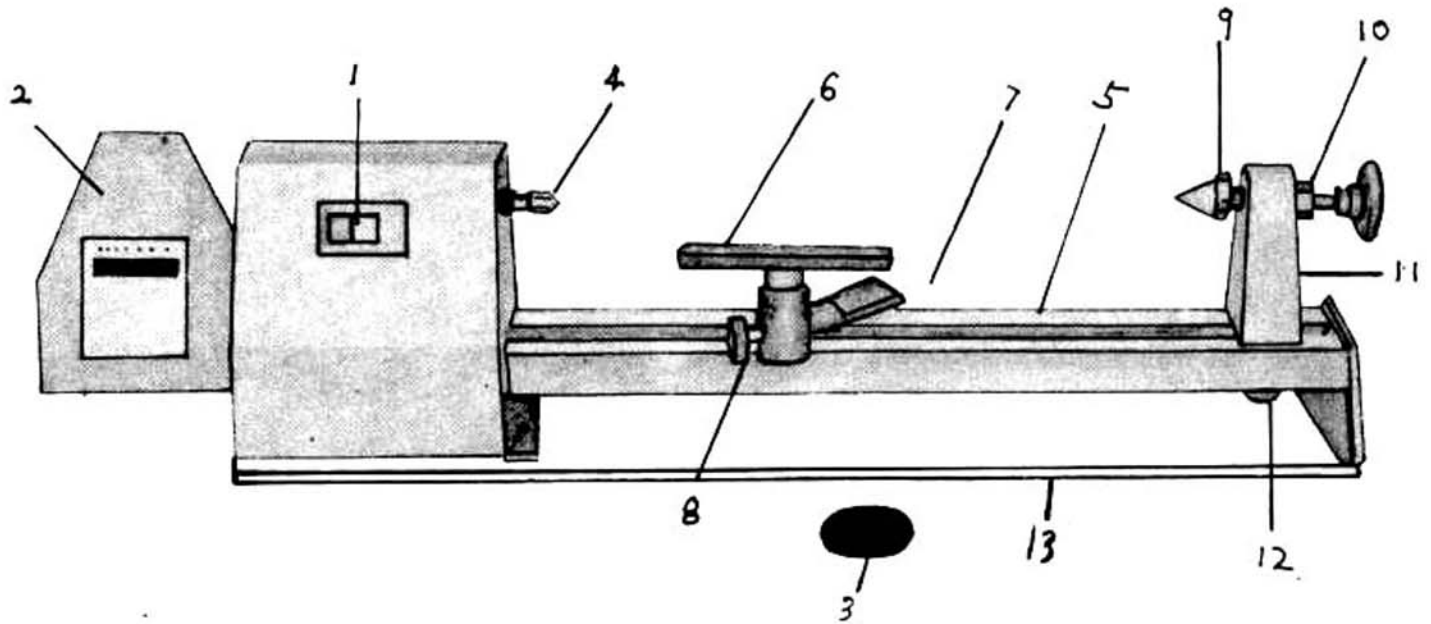
NO PORTION OF THIS MANUAL MAY BE REPRODUCED WITHOUT  
THE WRITTEN CONSENT OF CRAFTEX INDUSTRIES INC.



# CONGRATULATIONS

You have just purchased one of our growing family of Bench Power Tools. Each is engineered and manufactured to the highest standards of quality. You will find your new Wood Turning Lathe a very useful tool. It will perform between centre turning and faceplate turning, and is especially suited to high speed sanding and polishing of finished work.

This Wood Turning Lathe is a self-contained power tool not requiring the purchase of a separate motor.



## MAIN FEATURES

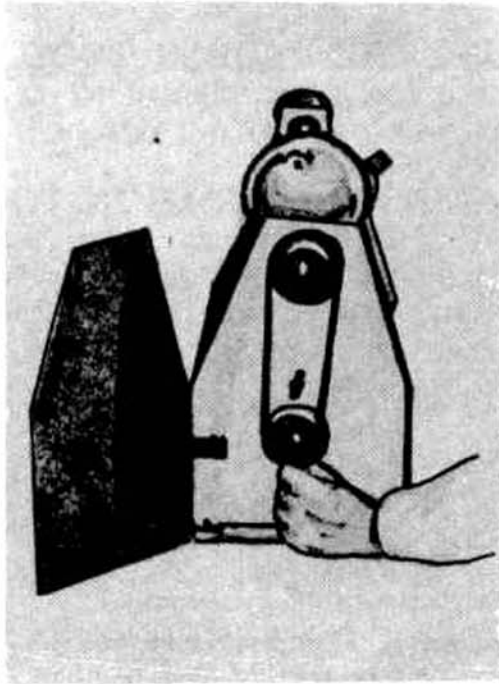
- |                          |  |
|--------------------------|--|
| 1. SWITCH                | 7. TOOLREST HOLDER                             |
| 2. BELT AND PULLEY COVER | 8. TOOLREST LOCKNUT                            |
| 3. FACEPLATE             | 9. TAILSTOCK SPINDLE(WITH BALL BEARING CENTRE) |
| 4. DRIVE CENTRE          | 10. TAILSTOCK SPINDLE LOCKNUT                  |
| 5. BED RAILS             | 11. TAILSTOCK                                  |
| 6. TOOLREST              | 12. TAILSTOCK LOCKNUT                          |
|                          | 13. LATHE BED                                  |

# Safety Rules For All Power Tools

- 1. READ AND BECOME FAMILIAR** with the entire operating manual.
- 2. KEEP GUARDS AND COVER** in place and in working order.
- 3. ALWAYS USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses; they are not safety glasses.
- 4. KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
- 5. DON'T FORCE TOOL.** It will do a better and safer job at the rate for which it was designed.
- 6. AVOID ACCIDENTAL STARTING.** Make sure switch is in "OFF" position before plugging in cord.
- 7. DISCONNECT TOOLS BEFORE SERVICING** and when changing accessories such as blades, bits, cutters.
- 8. DON'T OVERREACH.** Keep your proper footing and balance at all times. For best footing wear rubber soled footwear. Keep floor clear of oil, scrap wood, etc.
- 9. WEAR PROPER APPAREL.** Loose clothing or jewelry may get caught in moving parts. Wear protective hair covering to contain long hair.
- 10. MAKE WORKSHOP KIDPROOF.** Keep workshop locked or padlocked when not in use and store the key in a safe location.
- 11. REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
- 12. AVOID DANGEROUS ENVIRONMENT.** Don't use power tools in damp or wet locations. Keep your work area well illuminated. **DO NOT USE** in explosive atmosphere (around paint, flammable liquids, etc.).
- 13. KEEP CHILDREN AWAY.** All visitors should be kept a safe distance from work area, especially while operating unit.
- 14. USE THE PROPER TOOL.** Don't force tool or attachment to do a job for which it was not designed.
- 15. MAINTAIN TOOLS IN TOP CONDITION.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- 16. SECURE WORK.** Use clamps or a vise to hold work, when practical. It's safer than using your hand and prevents round or irregularly shaped pieces from turning.
- 17. CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be checked to assure that it will operate properly and perform its intended function—check for alignment of moving parts, breakage of parts, mounting, any other conditions that may affect its operations. A guard or other part that is damaged should be properly repaired or replaced.
- 18. USE RECOMMENDED ACCESSORIES—**Consult Owner's Manual. Use of improper accessories could be hazardous.
- 19. NEVER STAND ON TOOL.** Injury could occur from a fall.
- 20. NEVER LEAVE TOOL RUNNING AND UNATTENDED.**
- 21. ALWAYS REMOVE CORD PLUG** from electrical outlet when adjusting, changing parts or working on tool.

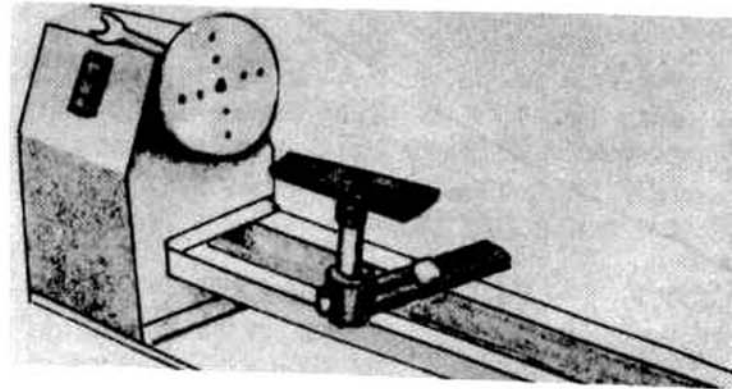
## CHANGING SPEEDS:

1. Turn the power off at the main switch.
2. Loosen motor mounting bolts under pulley cover.
3. Press down on belt tension lever to loosen the belt.
4. Change belt to the desired pulley steps.
5. Lift belt tension lever to tighten belt.
6. Retighten motor mounting bolts.



## CHANGING FACEPLATE AND DRIVE CENTRE

The adjustment spanner has jaws which fit across flats on the headstock spindle. Locate the spanner across the flats and unscrew the faceplate or drive centre towards you.



## Wood Turning Chisels

Each Wood Turning Chisel is forged from high carbon steel, hardened and tempered to hold a sharp cutting edge.

## TURNING BETWEEN CENTRES

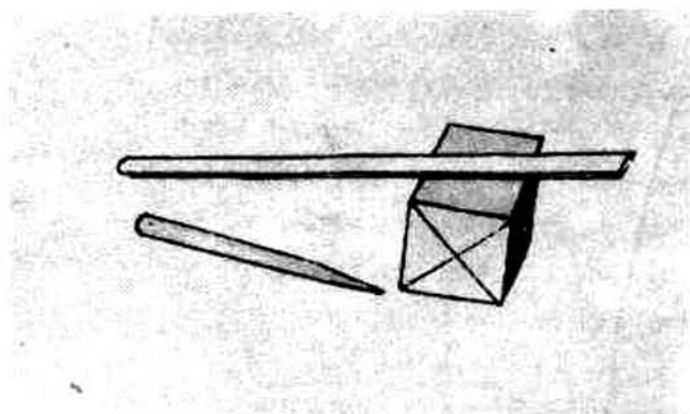
Turning between centres is the operation of turning a long workpiece supported at one end by the driving centre, and by the tailstock centre at the other.

## MOVING TAILSTOCK AND TOOL-REST

The tailstock and toolrest are held to the bed with lock nuts underneath the bed rails. To move them to a new position, loosen the nut with the adjustment spanner, slide the tailstock or toolrest along the bed and retighten the nut. The toolrest is held in place by the lockknob.

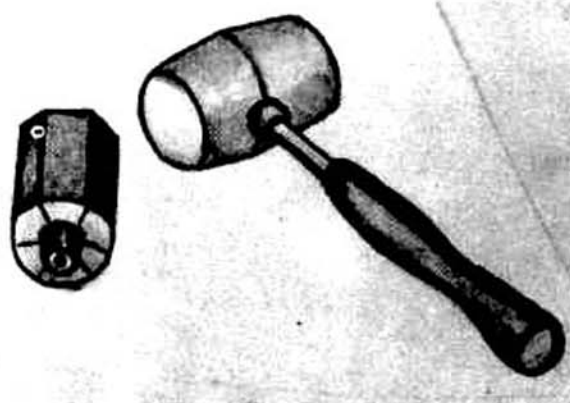


**MARKING THE CENTRES**—Draw two diagonal lines across each end of the workpiece, from corner to corner. The junction of the lines will be the correct centre. Mark the centres with an awl or a drill.

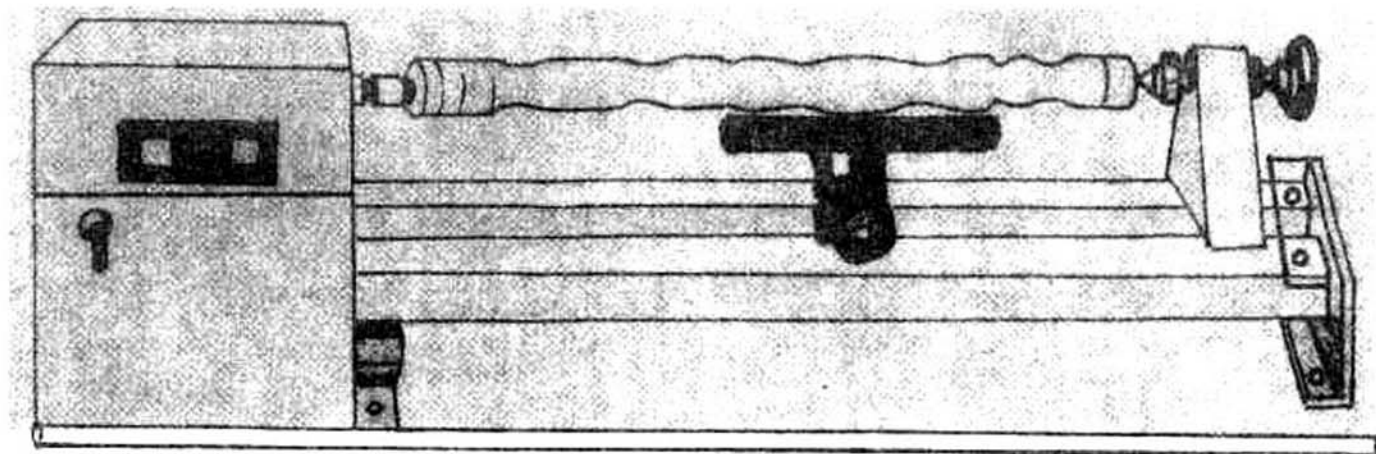


**MOUNTING THE WORK BETWEEN CENTRES**—Unscrew driving centre from the lathe spindle.

Locate the point of the driving centre in the hole marked at one end of the timber, and hammer home with a wooden mallet or soft hammer.

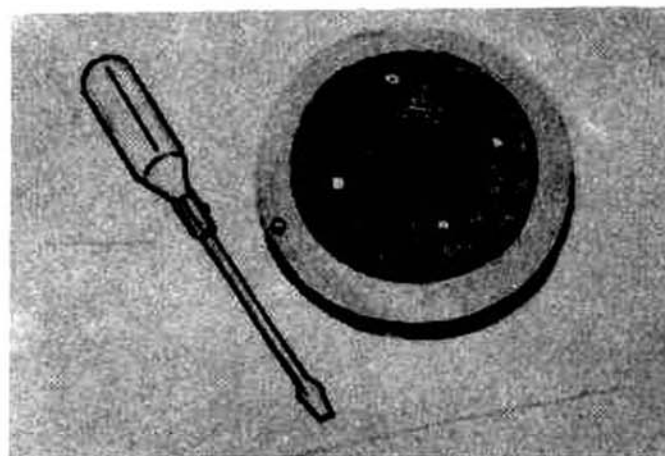


**POSITIONING TOOL REST**—The position of the chisel and operator comfort is more important than the actual height of the tool rest. Set it at centre height to begin with and adjust it slightly higher or lower after trial to suit the operation.



**MAKING A BACKING PIECE**—

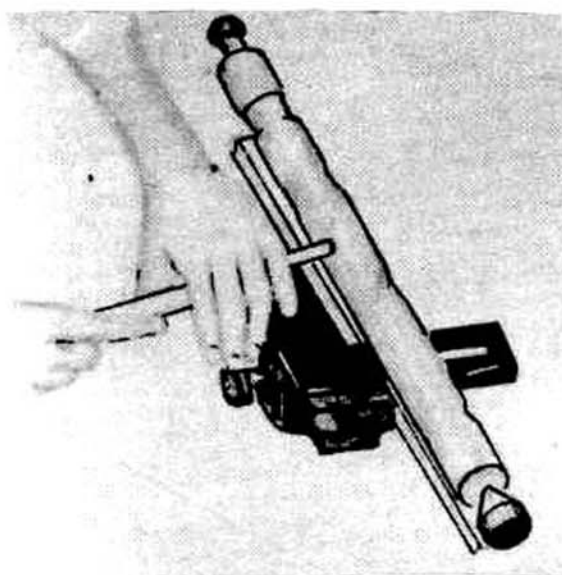
Use a piece of 1" (25mm) thick timber larger than the diameter of the faceplate. Screw the backing piece to the faceplate using woodscrews through the holes in the back of the faceplate. Mount the faceplate and backing piece onto the lathe spindle and carefully turn the timber until it is completely circular and slightly larger in diameter than the faceplate.



## TURNING THE TIMBER TURNING BETWEEN CENTRES

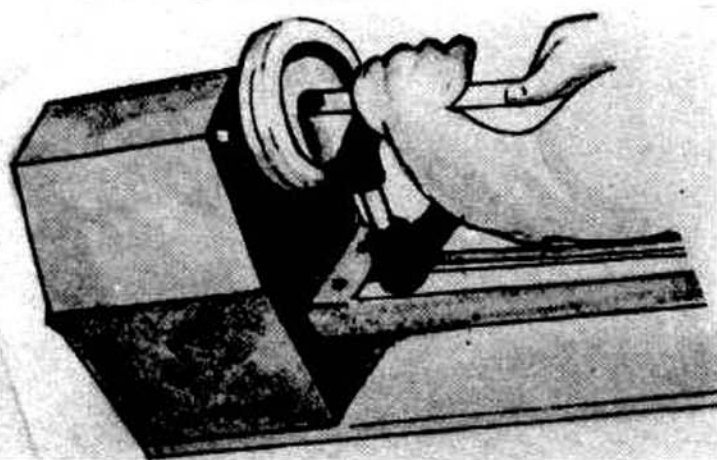
-Use a gouge or round nose chisel to rough the timber to the desired shape. Hold the chisel firmly against the tool rest. Use the hand holding the handle of the chisel to raise or lower the cutting point, with the tool rest as a fulcrum.

when the rough shape is ready use other chisels for final shaping and decorative grooving as required.

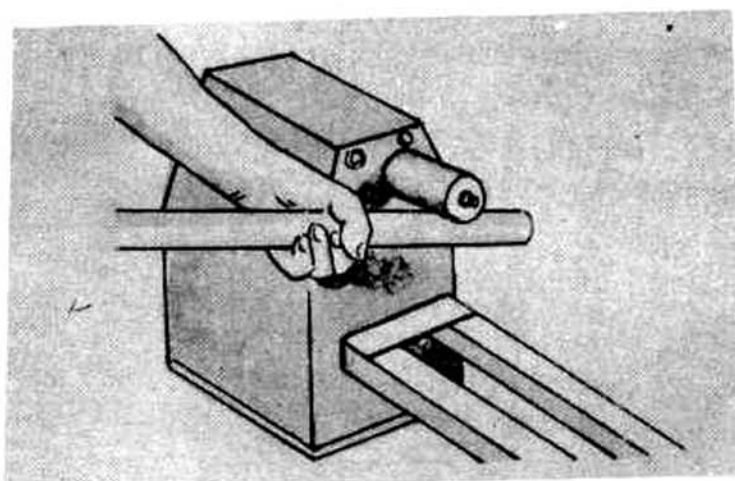


**FACEPLATE TURNING** -Mount the faceplate and workpiece to the lathe spindle. Start by turning the outside of the work first. Whenever possible bring the tailstock up to support the workpiece.

Move the tailstock well clear when turning the inside of the work. Extra care must be taken that the chisel does not catch on the work, particularly when the inside turning is long and narrow.

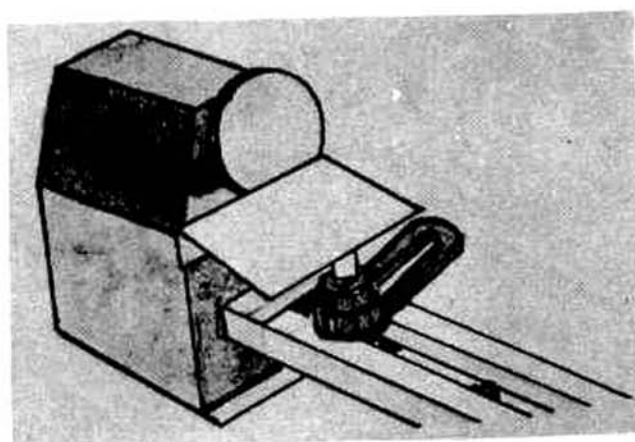


**AIR EMERY WHEEL (NOT SUPPLIED)** To fix the headstock spindle with wrench and tightly screw the air emery wheel towards you.



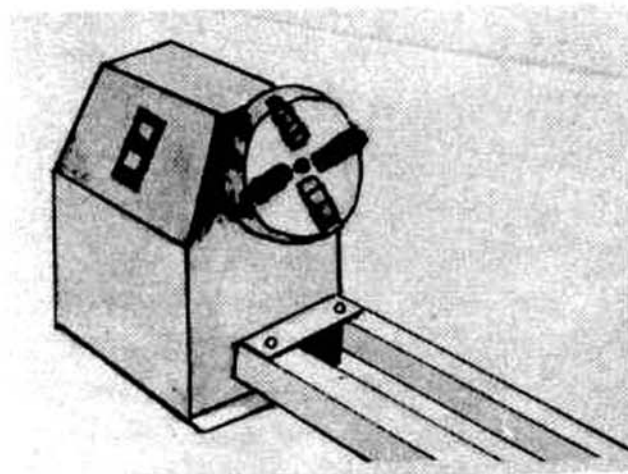
**DISC SANDER (NOT SUPPLIED)**

To fix the headstock spindle with wrench and tightly screw DISC towards you.

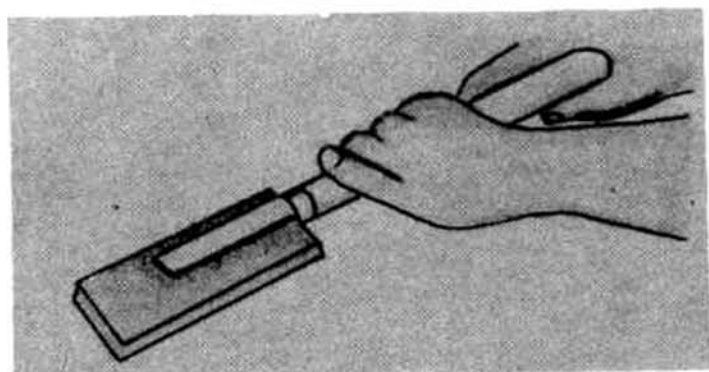


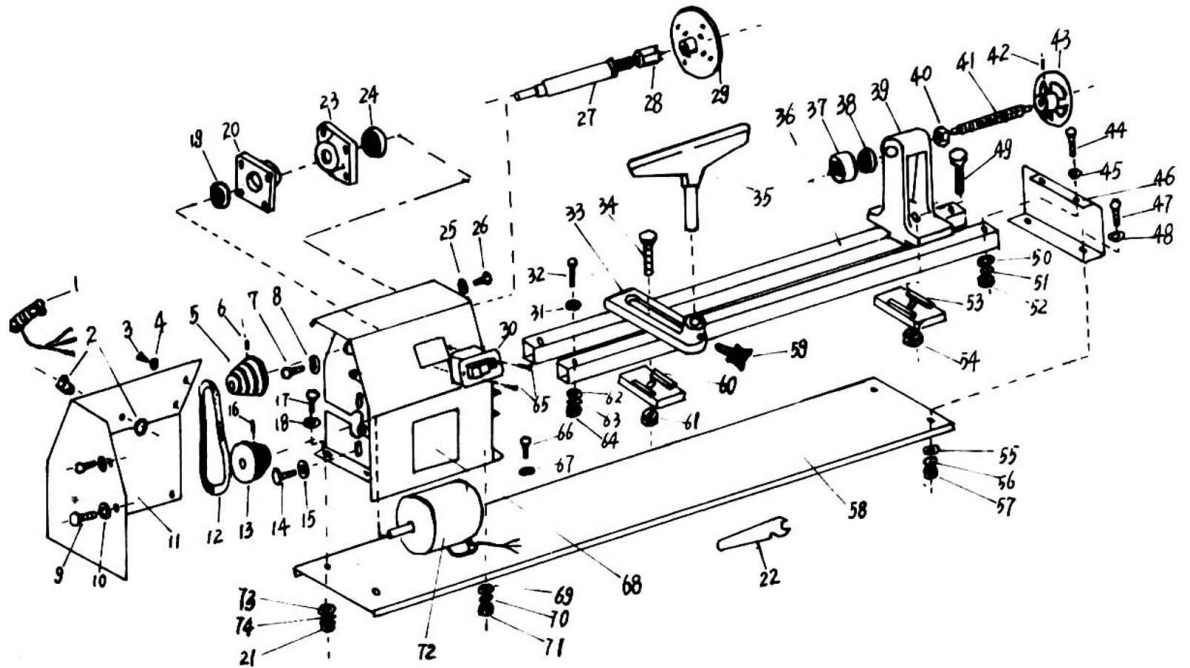
**CHUCK (NOT SUPPLIED)**

To fix the headstock spindle with wrench and tightly screw the chuck towards you.



After using your chisels maintain their fine cutting edge with an oilstone, taking care to keep the original angles.





- |                      |                   |                       |                       |
|----------------------|-------------------|-----------------------|-----------------------|
| 1. Power line        | 20. Bearing block | 39. Tailstock         | 58. Lathe bed         |
| 2. Cord clamp        | 21. Nut           | 40. Nut               | 59. Knob              |
| 3. Screw             | 22. Tool handle   | 41. Screw axis        | 60. Guide track plate |
| 4. Washer            | 23. Bearing block | 42. Locking screw     | 61. Nut               |
| 5. Belt pulley       | 24. Ball bearing  | 43. Handwheel         | 62. Washer            |
| 6. Locking screw     | 25. Washer        | 44. Screw             | 63. Spring washer     |
| 7. Bolt              | 26. Screw         | 45. Washer            | 64. Nut               |
| 8. Washer            | 27. Main shaft    | 46. Bracket           | 65. Screw—Switch      |
| 9. Screw             | 28. Lathe tip     | 47. Screw             | 66. Screw             |
| 10. Washer           | 29. Chuck         | 48. Washer            | 67. Washer            |
| 11. Protecting crust | 30. Power switch  | 49. Cap screw         | 68. Data plate        |
| 12. Driving belt     | 31. Washer        | 50. Washer            | 69. Washer            |
| 13. Belt pulley      | 32. Screw         | 51. Spring washer     | 70. Spring washer     |
| 14. Motor screw      | 33. Jip           | 52. Nut               | 71. Nut               |
| 15. Washer           | 34. Cap screw     | 53. Guide track plate | 72. Motor             |
| 16. Locking screw    | 35. Tool carriage | 54. Nut               | 73. Washer            |
| 17. Screw            | 36. Guide track   | 55. Washer            | 74. Spring washer     |
| 18. Washer           | 37. Tip           | 56. Spring washer     |                       |
| 19. Ball bearing     | 38. Ball bearing  | 57. Nut               |                       |





## 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 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 repair.