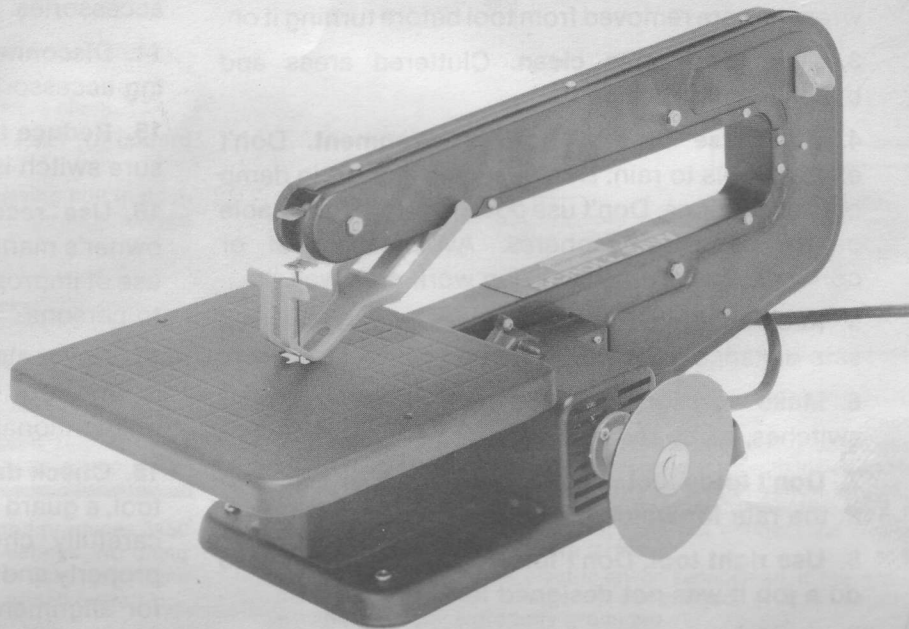


**Sears**

***owners  
manual***

**WARNING:**

For your own SAFETY,  
read your OWNERS  
MANUAL before operating  
your Craftsman  
Scroll Saw/Sander



**MODEL NO.  
572.247202**

**CRAFTSMAN**  
**15 INCH MOTORIZED**  
**SCROLL SAW/SANDER**

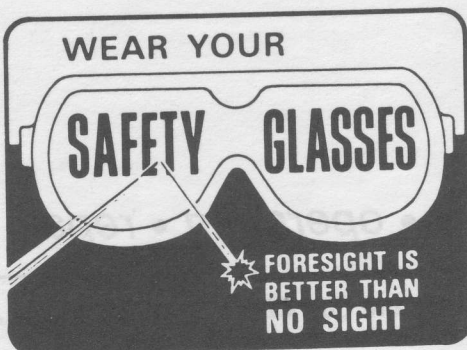
***assembly • operating • repair parts***

Made in U.S.A.

Sears, Roebuck and Co., Chicago, Ill. 60684 U.S.A.

# RULES FOR SAFE OPERATION

- 1. Keep guards in place** and in working order.
- 2. Remove adjusting keys and wrenches.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
- 3. Keep work area clean.** Cluttered areas and benches invite accidents.
- 4. Don't use in dangerous environment.** Don't expose tools to rain. Don't use power tools in damp or wet locations. Don't use power tools in flammable or explosive atmospheres. Avoid chemical or corrosive environments. Keep work area well lit.
- 5. Keep children away.** All visitors should be kept a safe distance from work area.
- 6. Make workshop kid-proof** with padlocks, master switches, or by removing starter keys.
- 7. Don't force tool.** It will do the job better and safer at the rate for which it was designed.
- 8. Use right tool.** Don't force tool or attachment to do a job it was not designed for.
- 9. Wear proper apparel.** No loose clothing, gloves, neckties, rings, bracelets, or other jewelry to get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.
- 10. Always use safety glasses.** Also use face or dust mask if cutting operating is dusty. Everyday eyeglasses only have impact resistant lenses, they are not safety glasses.
- 11. Secure work.** Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool.
- 12. Don't overreach.** Keep proper footing and balance at all times.
- 13. Maintain tools with care.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- 14. Disconnect tools** before servicing; when changing accessories such as blades, bits, cutters, etc.
- 15. Reduce the risk of unintentional starting.** Make sure switch is in "OFF" position before plugging in.
- 16. Use recommended accessories.** Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.
- 17. Never stand on tool.** Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
- 18. Check damaged parts.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to assure that it will operate properly and perform its intended function — check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
- 19. Direction of feed.** Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
- 20. Never leave tool running unattended.** Turn power off. Don't leave tool until it comes to a complete stop.
- 21. Be alert.** Don't use power tools when tired or fatigued. Don't use power tools after taking drugs, alcohol or medications.



**IMPORTANT**  
**BLADE MUST BE INSTALLED OR**  
**SAW WILL NOT OPERATE**  
**INSTALL BLADE WITH TEETH**  
**POINTING DOWN.**

The operation of any power tool can result in foreign objects being thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields before commencing power tool operation. We recommend **Wide Vision Safety Mask** for use over spectacles, or standard safety glasses ... available at Sears retail or catalog stores.



# For the most pleasure from your Scroll Saw/ Sander follow these instructions carefully:

The Craftsman Scroll Saw is a multi-purpose workshop. By connecting different attachments to the power take-off, the unit is converted from the basic scroll saw to a grinder, sander, buffing wheel, brush wheel, and a flexible shaft machine. Then you are able not only to saw, but drill, grind, polish, rout, sharpen, sand, buff, carve, engrave and perform many other hobby, home or shop operations. Use with 2471 accessory pack.

DO NOT OPERATE MACHINE WITHOUT ATTACHING TABLE.  
**CAUTION: DISCONNECT PLUG FROM OUTLET.**

## ATTACHING SAW TABLE

1. Remove blade guard — push one side in — while pulling on opposite side.
2. Push lever (A) down as illustrated — to remove blade.
3. Loosen bottom wing nut and slide table bracket (C) upward about 1½ inches from bottom, and tighten.
4. Remove top wing nut (B) and washer — leaving bolt in position — and attach table by inserting bolt through curved slot (D) with hole at top positioned over pin.
5. Place washer on outside of bracket and tighten wing nut.
6. Loosen bottom wing nut — let slide bracket (C) drop into original position and tighten wing nut.
7. Replace saw blade (be sure teeth are pointing downward) by inserting blade into lower blade holder — then push lever down and insert into upper blade holder.
8. Replace blade guard with side pins on each side of blade — pushing one side in and then the other — as in step 1.

**Motor**—Runs on 110-120 Volt, 60 cycle, AC, and produces 3450 R.P.M. It is equipped with two sealed ball bearings. No oiling is needed. Characteristically, this shaded pole-type motor runs a bit warm. However, overheating will not affect overall operation.

**Oiling**—A few drops of ordinary motor oil should occasionally be placed on the connecting link bearing through the hole on the left side of the frame. For oiling, lay unit on its side. Use SA30 motor oil.

**Cutting Capacity**—Soft wood up to 1¾" and hardwood up to ½" in thickness can be cut. FEED WOOD SLOWLY. DO NOT FORCE. When cutting wood over 1¼", the blade guard must be removed. To remove guard, simply pull out ends of guard where they enter the frame. When through sawing . . . BE SURE TO REPLACE THE FINGER GUARD.

**Sawing Metals**—Saw aluminum to ¼" thick, copper to 18 gauge, and steel to 1/16" thick. When sawing metal, it is important to hold the work firmly on the table, use oil as a lubricant, and feed the work with a slow, steady pressure. Do not force it.

**Blade Guard**—The blade guard is considered one of the safest. It functions also as a hold-down.

**Increasing Blade Life**—When blade teeth become dull in one spot simply loosen the lower wing nut located just beneath the saw table, and raise the table to a section of new, unused teeth.

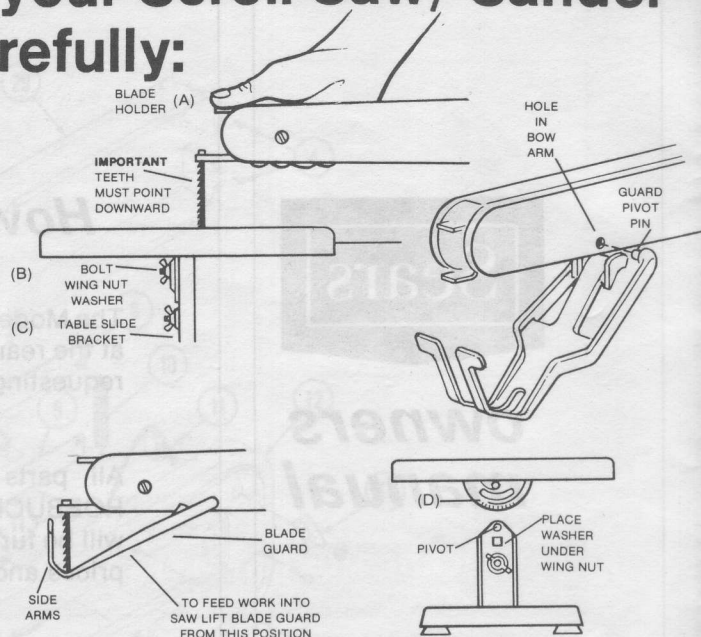
**Tilting Table**—For angle sawing, the table can be tilted in either direction. Loosen the top wing nut located just beneath the saw table, and tilt to the desired angle following the calibrated scale.

**Making Inside Cuts**—First, use the flexible shaft to drill a 3/16" hole in the area to be sawed out. Then, remove the blade, thread it through the hole, and return it to the cutting position.

**Holding Scroll Saw In Place**—On a fairly smooth table or bench, the rubber suction cups will keep it from sliding. Otherwise, set the machine on a ½" thick rubber pad, such as a household kneeling pad or typewriter cushion.

## GROUNDING INSTRUCTIONS

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.



Do not modify the plug provided — if it will not fit the outlet, have the proper outlet installed by a qualified electrician.

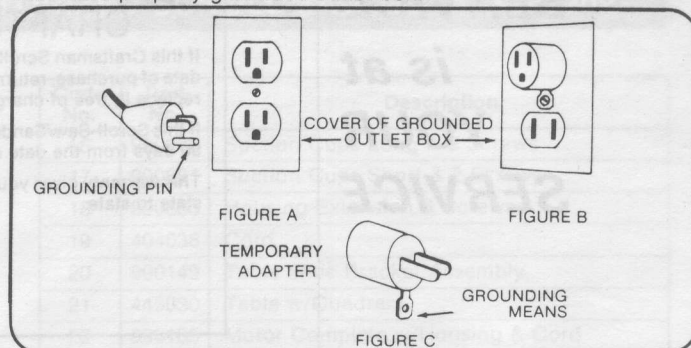
Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.

Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.

Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool's plug.

Repair or replace damaged or worn cord immediately.

This tool is intended for use on a circuit that has an outlet that looks like the one illustrated in Figure A. The tool has a grounding plug that looks like the plug illustrated in Figure A. A temporary adapter, which looks like the adapter illustrated in Figures B and C, may be used to connect this plug to a 2-pole receptacle as shown in Figure B if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet can be installed by a qualified electrician. The green-colored rigid ear, lug, etc. extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box.



The operation of any power tool can result in foreign objects being thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields before commencing power tool operation.

**NOTE:** The adapter illustrated is not allowed in Canada by the Canadian Electrical Code.

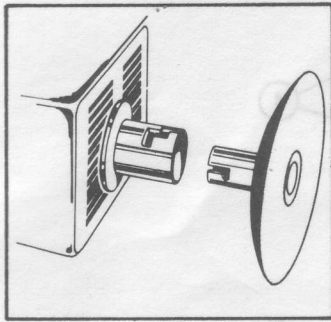
The use of any extension cord will cause some loss of power. To keep this to a minimum and to prevent overheating and motor burn-out, use the table below to determine the minimum wire size (A.W.G.) extension cord. All cords should be 3-wire grounded.

### Extension Cords

Use only three-wire extension cords that have three-prong grounding type plugs and three-pole receptacles that accept the tool plug. Replace or repair damaged or worn cord immediately.

| Extension Cord Length | Wire Size A.W.G. |
|-----------------------|------------------|
| 50 ft. or less        | No. 16           |
| 100 ft. or less       | No. 14           |

| Extension Cord Length | Wire Size A.W.G. |
|-----------------------|------------------|
| 50 ft. or less        | No. 16           |
| 100 ft. or less       | No. 14           |



#### Attaching Accessories—

The round extension on the motor housing is the power take-off for driving the sander, buffing wheel, and flexible shaft.

These are mounted on special adapters which fit into the power take-off. **BE SURE THE MOTOR IS TURNED OFF.** Line up pin in the motor shaft with the slot in the adapter and press forward as far as it

will go. Turn the wheel slowly until the adapter set screw comes into view. Then tighten lightly. This screw does not drive the shaft, it merely minimizes vibration and wheel drifting. It does not have to be too tight.

**SAW BLADE MUST BE ATTACHED WHEN OPERATING POWER TAKE-OFF.**

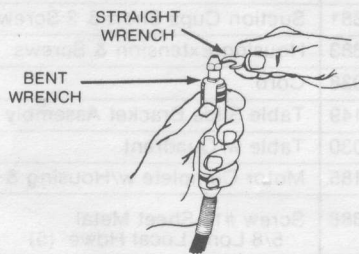
#### Recommended Accessories

- #2471—Accessory Kit.
- #26877—Fine Tooth blades.
- #26878—Coarse Tooth blades.
- #2544—4" Assorted aluminum oxide Sanding Discs.

## For more pleasure and versatility add kit 2471

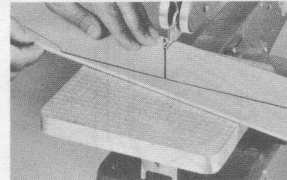
**Attaching Flexible Shaft—**Be sure MOTOR IS RUNNING before the cable is engaged. **DO NOT REMOVE OR LOOSEN SCREW IN NYLON COUPLING.** Insert the black nylon coupling over the power take-off. Push the coupling on as far as it will go, and hold in place by turning the coupling counterclockwise. To prevent the cable from becoming disconnected while the machine is running, simply grasp the handpiece and twist the cable one-half turn counterclockwise.

**CHUCK—**Chuck consists of a chuck cap and collet. To change or insert bits use the two chuck wrenches furnished. Slip the short end of the bent wrench over flats on the shaft and hold the long portion of this wrench against the handpiece with one hand. With the shaft secured by the bent wrench, use the straight wrench to loosen or tighten the chuck cap. See illustration. With the chuck cap loose, an accessory should be inserted as deeply as possible to avoid wobble during use. Now, tighten chuck cap — **avoid excessive tightening.**

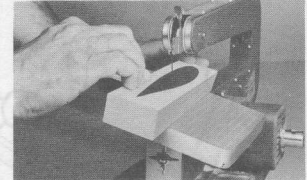


**COLLETS—**Four collets are available for your tool. Each has a different hole diameter in order to accept various accessory shank and drill sizes. To insert a different collet, follow chuck loosening instructions. After chuck cap is loosened, continue to unscrew until it comes off. Remove collet (it should drop out easily by tipping the tool). Insert the collet desired and replace chuck cap. Choose the right collet for the accessory shank or drill size. Never try to force a larger diameter shank or drill into a smaller size collet opening.

**It's a scroll saw—**Handles everything from small scroll work to full size furniture work. Cuts up to standard 2 x 4's, 18 ga. copper, 1/4" aluminum and steel.

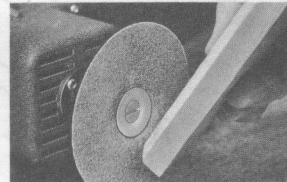


CUT LONG LENGTHS

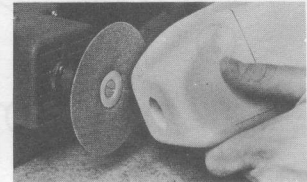


BEVEL CUT

**It's a Disc Sander—**For shaping small pieces, sanding rough edges, trueing up uneven surfaces. Three disc grits permit fine, medium, coarse sanding.

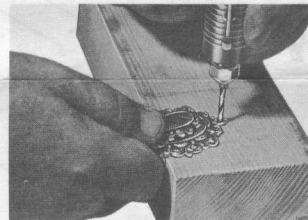


SAND BEVELS

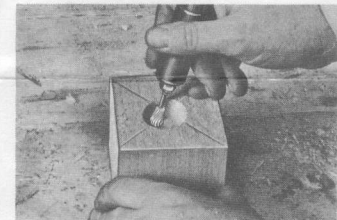


CONTOUR

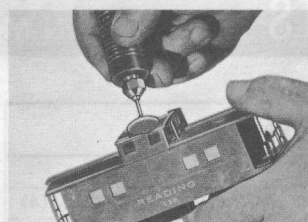
#### FLEXIBLE SHAFT PROVIDES EXTRA VERSATILITY



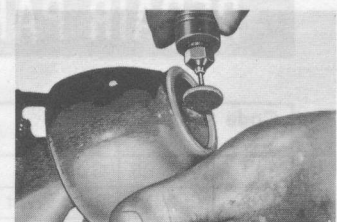
DRILLING



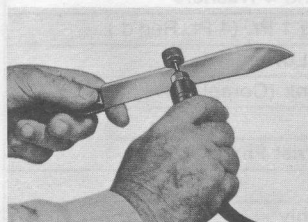
ROUTING



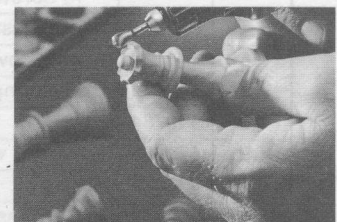
DEBURRING



GRINDING



SHARPENING

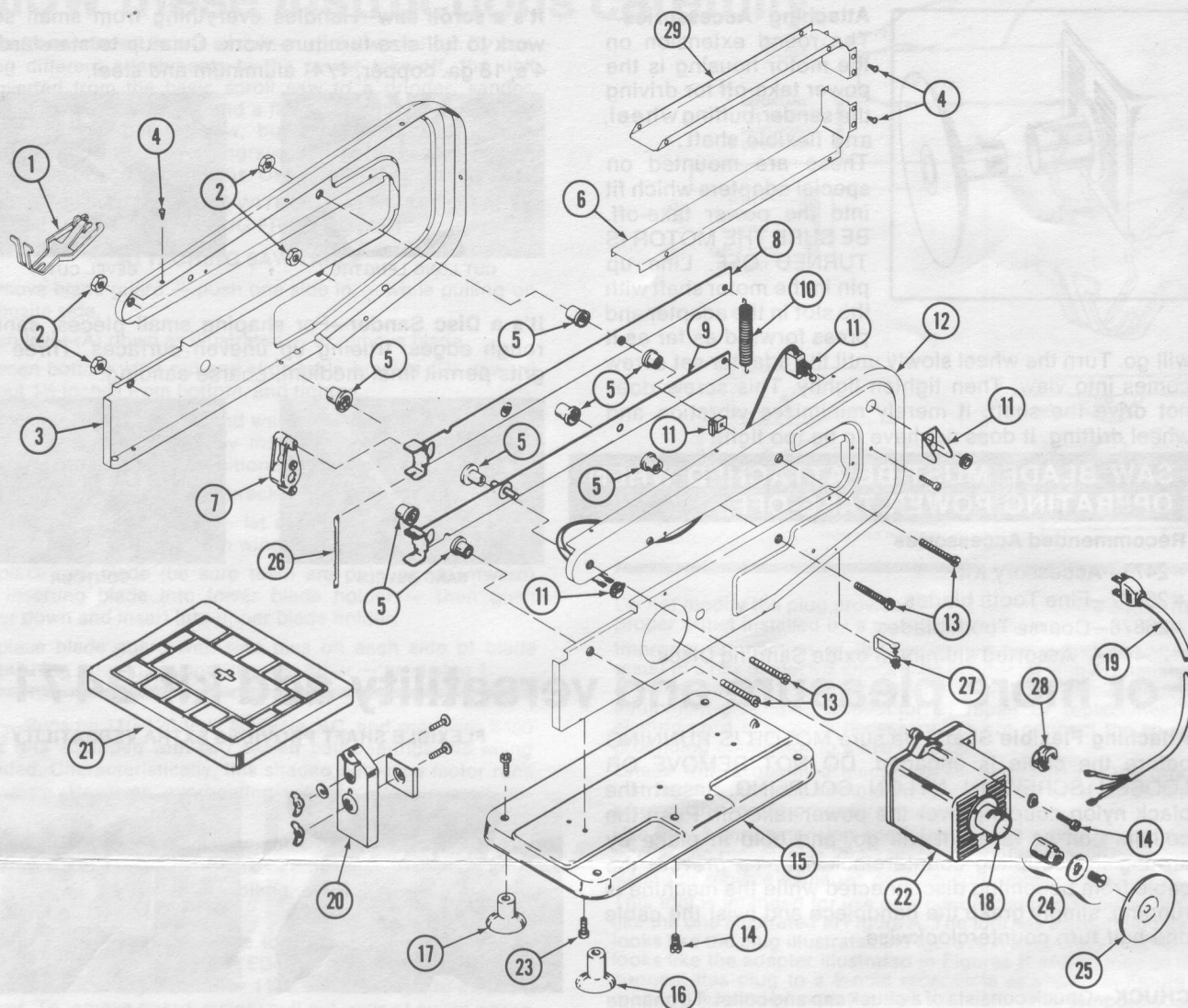


CARVING

For best results, use the flexible shaft with a delicate touch. To prevent stalling the motor, press the tool lightly against the work, and never force the tool beyond its capacity.



For the most pleasure from your Scroll Saw, follow these instructions carefully:



## REPAIR PARTS CRAFTSMAN MOTORIZED SCROLL SAW NO. 572.247202

| Code No. | Part No. | Description                                      |
|----------|----------|--|
| 1        | 445105   | Guard  |
| 2        | 990871   | Bow Pivot Nuts 10-32 Hex Local Hdwe. (4)         |
| 3        | 445130   | Left Frame Side (Small Hole)                     |
| 4        | 990885   | Hardware<br>16 Screws and 4 Washers              |
| 5        | 990887   | Guide Bushing 1 Pr. (4 Pr. Req'd.)               |
| 6        | 445132   | Frame Cover, Lower                               |
| 7        | 990874   | Connecting Link (Complete)                       |
| 8        | 990764   | Bow Arm  |
| 9        | 990765   | Bow Arm w/Wrist Pin                              |
| 10       | 445063   | Spring   |
| 11       | 990877   | Switch Assembly                                  |
| 12       | 445129   | Right Frame Side (Large Hole)                    |
| 13       | 990878   | Bow Pivot Screw<br>10-32 x 1-3/4 Local Hdwe. (4) |
| 14       | 990884   | Motor Mount Screws (2 Lower, 1 Upper)            |
| 15       | 445073   | Base w/o Feet                                    |

| Code No. | Part No. | Description                                       |
|----------|----------|---|
| 16       | 990880   | Suction Cups Long & 2 Screws                      |
| 17       | 990881   | Suction Cups Short & 2 Screws                     |
| 18       | 990883   | Housing Extension & Screws                        |
| 19       | 404038   | Cord  |
| 20       | 990149   | Table Slide Bracket Assembly                      |
| 21       | 445030   | Table w/Quadrant                                  |
| 22       | 990185   | Motor Complete w/Housing & Cord                   |
| 23       | 990888   | Screw #10 Sheet Metal<br>5/8 Long Local Hdwe. (5) |
| 24       | 4211     | Adapter Assembly for 4" Pad                       |
| 25       | 4214     | 4" Rubber Backing Pad (Use with 4211)             |
| 26       | 26877    | 3 in. Pin Type (Fine) Blade                       |
| "        | 26878    | 3 in. Pin Type (Coarse) Blade                     |
| —        | 380123   | Owners Manual (not illustrated)                   |
| 27       | 284000   | Cable Clamp                                       |
| 28       | 445044   | Cord Strain Relief                                |
| 29       | 445131   | Frame Cover, Upper                                |



## **owners manual**

**MODEL NO.  
572.247202**

**Sears  
SERVICE  
is at  
YOUR  
SERVICE**

## **How to ORDER Repair Parts**

The Model Number will be found on a plate attached to your Saw at the rear of the base. Always mention the Model Number when requesting service or repair parts.

All parts listed herein may be ordered through SEARS, ROEBUCK AND CO. When ordering parts by mail, selling prices will be furnished on request or parts will be shipped at prevailing prices and you will be billed accordingly.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION AS SHOWN IN THIS LIST.

1. The PART NUMBER
2. The PART DESCRIPTION
3. The MODEL NUMBER 572.247202
4. The NAME OF ITEM—SCROLL SAW/SANDER

### **FULL ONE YEAR WARRANTY ON CRAFTSMAN SCROLL-SAW SANDER**

If this Craftsman Scroll-Saw/Sander fails to give complete satisfaction within one year from the date of purchase, return it to the nearest Sears store throughout the United States, and Sears will replace it, free of charge.

If this Scroll-Saw/Sander is used for commercial or rental purposes, this warranty applies for only 90 days from the date of purchase.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Sears, Roebuck and Co.  
BSC 41-3  
Sears Tower  
Chicago, IL 60684

Your Sears merchandise has added value when you consider that Sears has service units nationwide staffed with Sears trained technicians . . . professional technicians specifically trained on Sears Products, having the parts, tools and equipment to insure that we meet our pledge to you . . . we service what we sell.

**Sears, Roebuck and Co., Chicago, Ill. 60684 U.S.A.**



**Sears****CRAFTSMAN®**

## IMPORTANT MAINTENANCE INFORMATION

Your Craftsman® Scroll Saw/Sander was thoroughly inspected to rigid standards prior to leaving the manufacturer's factory and should give you many years of satisfactory service.

Occasionally, when the Craftsman® Scroll Saw/Sander is removed from its carton and the table attached, the user will notice that the blade does not appear to be perpendicular to the table surface (Figure 1).

Before attempting to correct this condition, first check to see that the table is in its horizontal or zero degree (0°) position. Use a square or other right angle device (a piece of paper will suffice) to check the blade position relative to the table surface (Figure 2). If the blade is not perpendicular to the table, simply push the upper arm of the saw frame in the direction that will correct the blade alignment (Figure 3).

Handling the saw by holding the upper arm of the saw frame (Figure 4) can also cause the saw blade to

tilt from the true vertical position. This is not an unusual condition and can be easily corrected by, again, applying slight pressure to the upper arm of the saw frame in the direction that will correct the alignment (Figure 3).

If the user avoids the natural tendency to use the upper arm of the frame as a handle when lifting or moving the saw, there should be no further need to realign the blade. Figure 5 shows the proper way to pick up the Scroll Saw.

Before deciding on any adjustment, it is recommended that you operate the saw and make some trial cuts so that you can experience scroll cutting. Be sure to check the mounting of the saw blade in the blade holder prior to cutting. Generally the blade is mounted so that the teeth are facing front. However, the blade can be mounted with the teeth facing the side. Always have the saw teeth oriented to a downward cut.

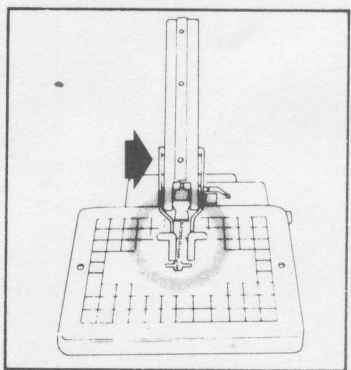


Figure 1

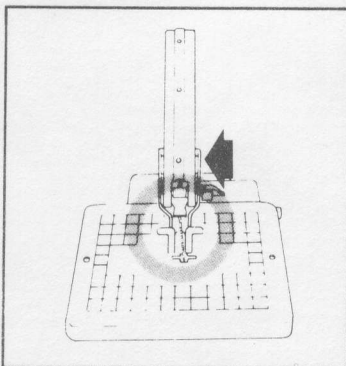


Figure 2

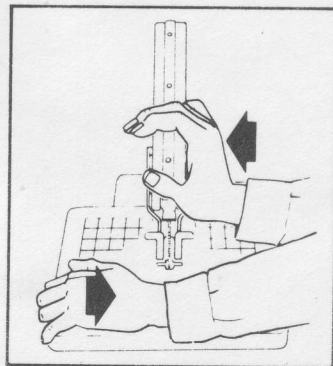
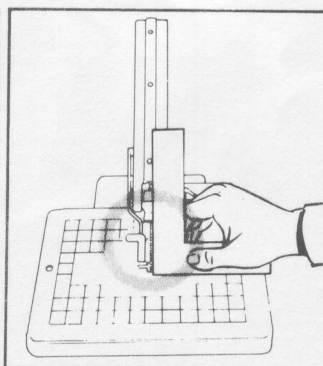


Figure 3

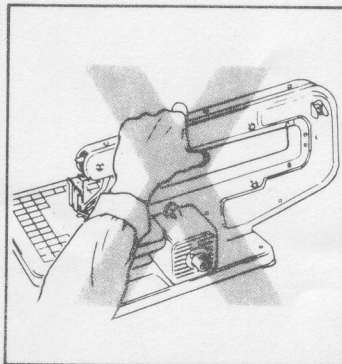


Figure 4



Figure 5