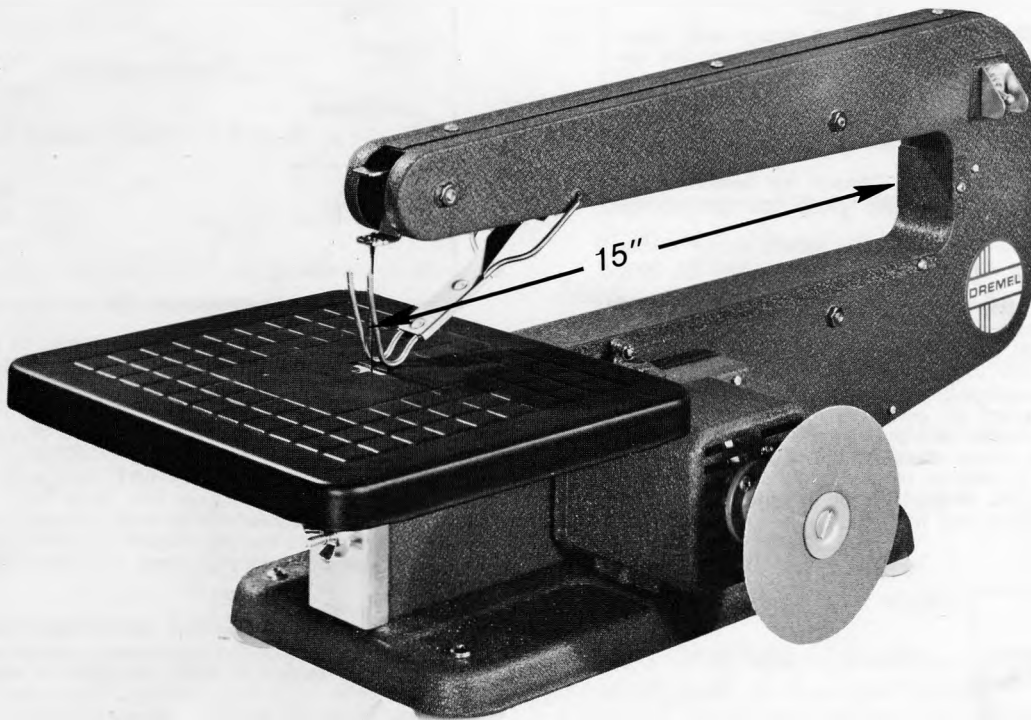


DREMEL[®] MOTO-SHOP[™] *owner's manual*



CAUTION:

Read SAFETY RULES
and OPERATING
INSTRUCTIONS
carefully before
using Dremel
creative power
tools.

15" SCROLL SAW/SANDER/ FLEXIBLE SHAFT & ACCESSORIES

*Deluxe Shop Cat. No. 572 • Basic Shop Cat. No. 571
assembly • operation • repair parts*

DREMEL MFG. DIVISION

EMERSON ELECTRIC CO.

4915-21st St. Racine, Wisconsin 53406

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. **Avoid dangerous environment.** Don't use power tools in damp or wet locations or expose them to rain. Keep work area well lighted.
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, or jewelry to get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.
10. **Use safety glasses.** Also use face or dust mask if cutting operation is dusty.
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. **Avoid 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 hazards.
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.



GROUNDING INSTRUCTIONS

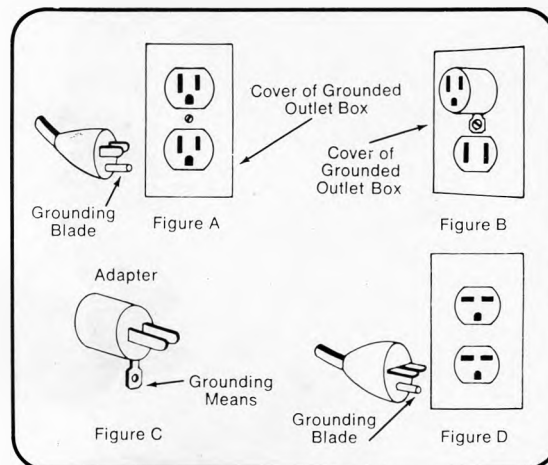
This tool should be grounded while in use to protect the operator from electric shock.

1. Cord-Connected Tools

The tool is equipped with an approved three-conductor cord and a three-prong grounding type plug to fit the proper grounding type receptacle. The green (or green and yellow) conductor in the cord is the grounding wire. Never connect the green (or green and yellow) wire to live terminal. If your unit is for use on less than 150 volts it has a plug like that shown in Figure A. If it is for use on 150-250 volts, it has a plug like that shown in Figure D. An adapter, Figures B and C, is available for connecting Figure "A" plugs to two-prong receptacles. The green-colored rigid ear, lug, etc., extending from the adapter must be connected to a permanent ground such as properly grounded outlet box. No adapter is available for a plug as shown in Figure D.

Replacement Parts

When servicing use only identical replacement parts.



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 for use only if you already have a properly grounded 2-prong receptacle. Adapter 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

DREMEL LIMITED WARRANTY

Your Dremel Moto-Shop is warranted against defective material or workmanship for a period of one full year from date of purchase. But if for some reason trouble should develop, please do the following:

- (1) Return Tool prepaid direct to Dremel Service Center, P.O. Box 954, Racine, Wisconsin 53405.
- (2) Enclose a note telling us exactly what the problem is.

If our inspection shows that the trouble was caused by defective parts or workmanship, we will make all repairs free of charge and return prepaid to you. Repairs made necessary by normal wear, abuse, or out of warranty will be charged for at our regular low factory prices. We will try to return your repaired Moto-Shop to you within 72 hours after we receive it at the Dremel factory.

For prices and warranty fulfillment outside the continental United States, contact your local Dremel distributor.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

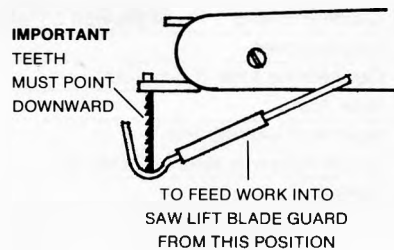
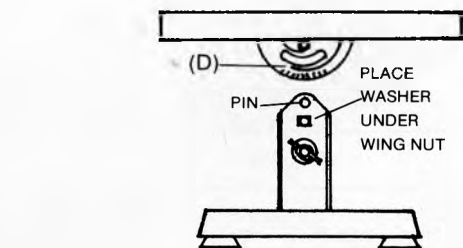
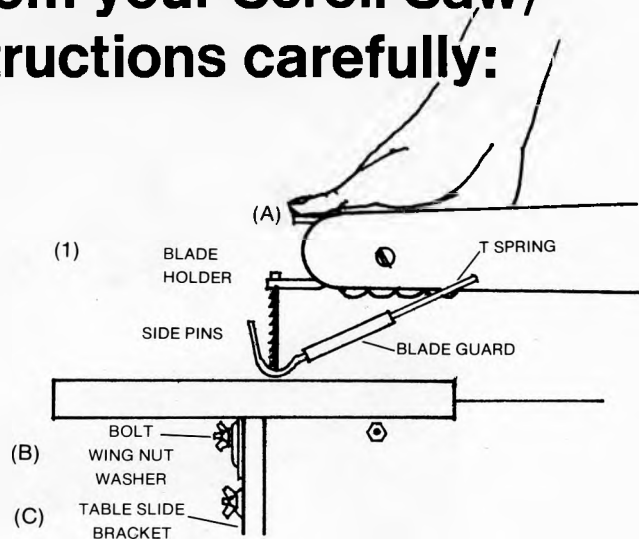
ASSEMBLY

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

DO NOT CONNECT PLUG TO OUTLET UNTIL MACHINE IS COMPLETELY ASSEMBLED

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.



The Dremel Moto-Shop is a multi-purpose workshop. By connecting different attachments to the power takeoff, the unit is converted from the basic scroll saw to a sander, buffing wheel, and a flexible shaft machine. Then you are able to saw, drill, polish, rout, sharpen, sand, buff, carve, engrave and perform many other hobby, home or shop operations. Use with 573 accessory pack. Shown on page 5.

MAINTENANCE/OPERATION

Motor — Runs on 110-120 Volt, 60 Hz, 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, this 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 SAE30 motor oil.

Cutting Capacity — Soft wood up to 1 $\frac{3}{4}$ " and hardwood up to $\frac{1}{2}$ " in thickness can be cut. FEED WOOD SLOWLY. DO NOT FORCE. When cutting wood over 1 $\frac{1}{4}$ ", 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 BLADE GUARD.

Sawing Metals — Saw aluminum to $\frac{1}{4}$ " thick, copper to 18 gauge. 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.

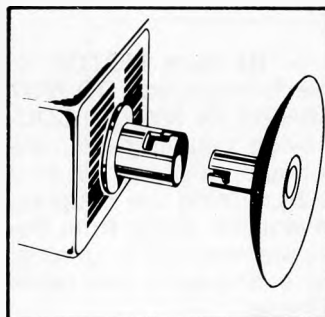
Blade Guard — The blade guard is considered one of the safest. It functions as a hold-down.

Increasing Blade Life — When blade teeth become dull in one spot simply loosen the lower wing nut, 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 5/32" 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 $\frac{1}{2}$ " thick rubber pad, such as a household kneeling pad or typewriter cushion.



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.

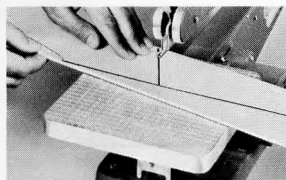
Recommended Accessories

573 — Accessory Kit.
8029 — Fine Tooth blades.
8030 — Coarse Tooth blades.

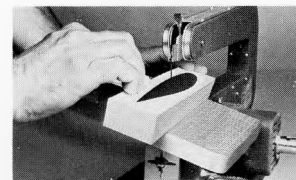
Sanding Discs

4227 — (fine)
4228 — (medium)
4229 — (coarse)

It's a scroll saw — Handles everything from small scroll work to full size furniture work. Cuts soft wood up to 1 $\frac{3}{4}$ ", hard wood up to $\frac{1}{2}$ " and soft metals.

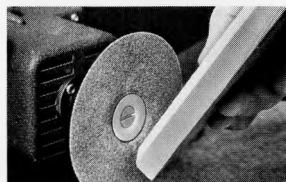


CUT LONG LENGTHS



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.

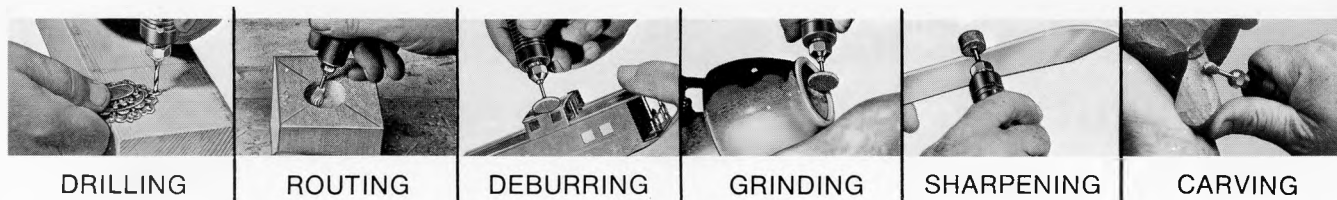


SAND BEVELS



CONTOUR

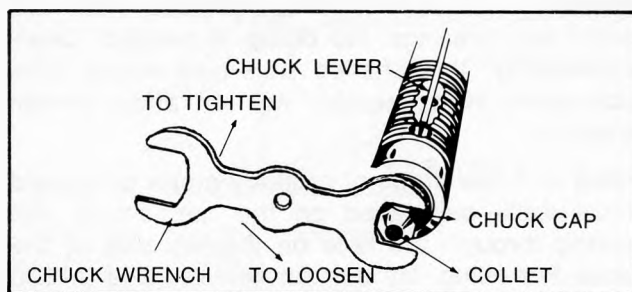
FLEXIBLE SHAFT & ACCESSORIES



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.

Flexible Shaft Handpiece — The handpiece is equipped with a chuck accommodating 3 collet sizes: 1/8" . . . 3/32" . . . 1/16". This handpiece does not require oiling or adjustments.

Chuck — Consists of chuck lever, chuck cap and collet. **Do not attempt to operate chuck lever while shaft is running.** Depress chuck lever and rotate chuck cap by hand until lock pin snaps into place, and stops the shaft from turning. Place chuck wrench over chuck cap and loosen as shown in the illustration. The chuck lever must be kept depressed during this operation. Any accessory or drill should be inserted into the collet as far as possible to prevent wobble during operation.



Now tighten chuck cap as shown keeping lever depressed. Avoid excessive tightening of the chuck cap.

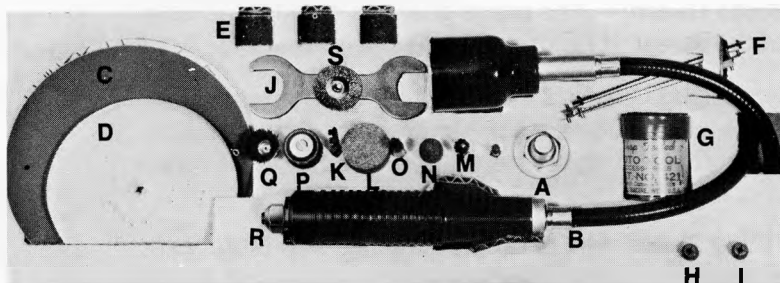
For best results, use the flexible shaft with a delicate touch. To prevent stalling the motor, press the tool lightly against the work, and never force the tool beyond its capacity.

Use of any accessories or attachments other than those supplied by Dremel may be hazardous.

Use attachments and accessories only in their proper and intended manner.

CONTENTS OF NO. 573 ACCESSORY PACK

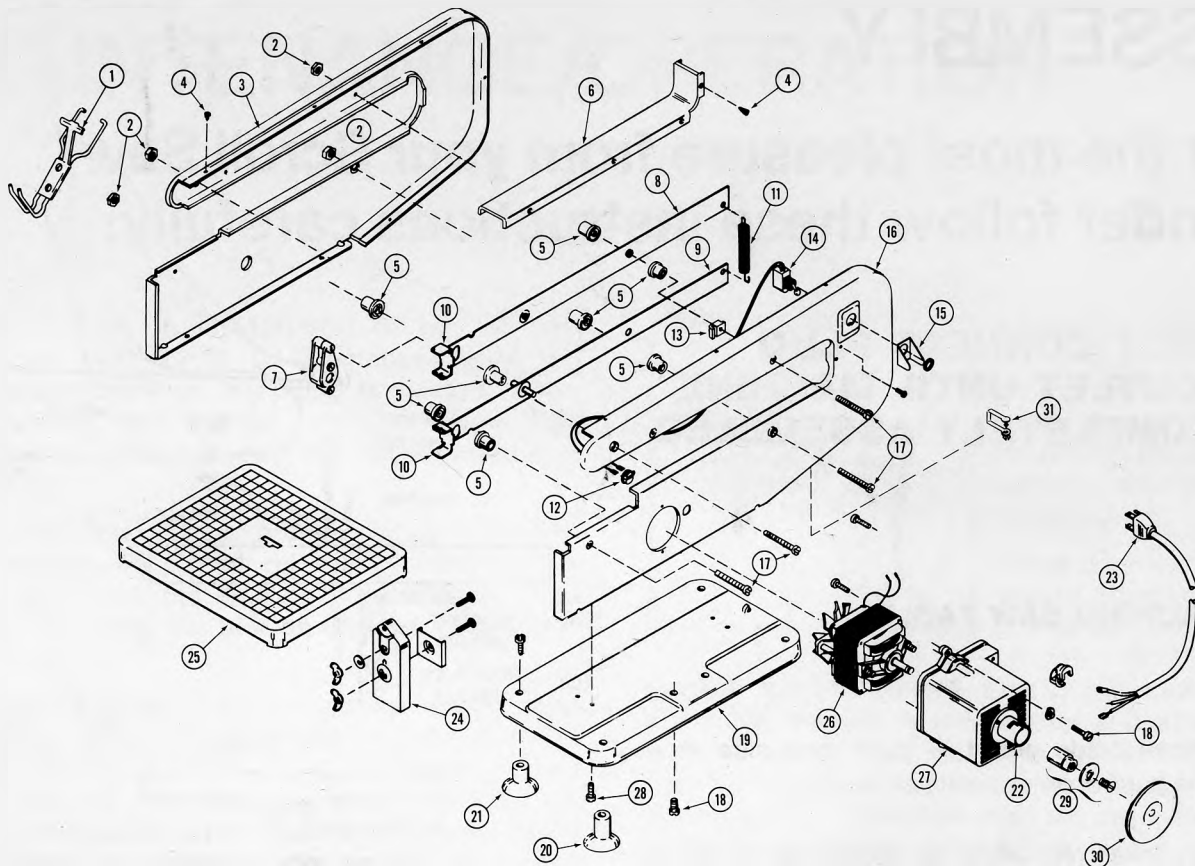
ACCESSORY PACK NO. 573



Item	Part No.	Part Name	Item	Part No.	Part Name
A	4226	Arbor Assembly	L	8202	Plain Shaped Wheel Point
B	15082	Flexible Shaft	M	131	High Speed Cutter
C	4227-28-29	4" Sanding Discs	N	952	Mounted Wheel Point
D	4235	Buffing Wheel	O	405	Paste Brush
E	408	Sanding Bands	P	407	Drum Sander
F	8029	Fine Tooth Blades	Q	404	Cup Brush
G	421	Polishing Compound	R	416	Collet 1/8" (mounted in handpiece)
H	417	Collet 3/32"	S	428	Wire Wheel
I	418	Collet 1/16"			
J	500045	Chuck Wrench			
K	1232	5/32" Drill Bit			

NOTE: We reserve the right to substitute accessories of equal value

DREMEL® MOTO-SHOP MODEL 57-2 . . . SERIES 4 PARTS LIST



Qty.	Code No.	Part No.	Description
	1	404045	Guard
	2	990871	Bow Pivot Nuts 10-32 Hex Local Hdwe. (4)
	3	445067	Left Frame Side (Small Hole)
	4	990885	Screw #6 Sheet Metal 3/8 Long Local Hdwe. (10)
	5	990887	Guide Bushing 1 Pr. (4 Pr. Req'd.)
	6	445071	Frame Cover
	7	990874	Connecting Link (Complete)
	8	990764	Bow Arm
	9	990766	Bow Arm w/Wrist Pin
	10	990878	Blade Holder & Rivets (2 Req'd.)
	11	445063	Spring
	12	—	See 14
	13	—	See 14
	14	990877	Switch Assembly
	15	—	See 14
	16	445066	Right Frame Side (Large Hole)
	17	990878	Bow Pivot Screw 10-32 x 1-3/4 Local Hdwe. (4)

Qty.	Code No.	Part No.	Description
	18	990884	Motor Mount Screws (2 Lower, 1 Upper)
	19	445073	Base w/o Feet
	20	990880	Suction Cups Long & 2 Screws
	21	990881	Suction Cups Short & 2 Screw
	22	990883	Housing Extension & Screws
	23	404038	Cord
	24	990149	Table Slide Bracket Assembly
	25	445030	Table w/Quadrant
	26	990180	Motor Complete w/o Housing
	27	990185	Motor Complete w/Housing Less Cord
	28	990888	Screw #10 Sheet Metal 5/8 Long Local Hdwe. (4)
	29	4211	Arbor Adapter
	30	4214	Rubber Backing Pad
	31	284000	Cable Clamp

WRITE FOR CURRENT PRICES - NO C.O.D.'S

UNITED STATES

Dremel Service Center, P.O. Box 954, Racine, WI 53405

OUTSIDE NORTH AMERICA

See your local distributor or write to Dremel Service Center, P.O. Box 954, Racine, WI 53405

EASTERN CANADA

Giles Tool Agencies, 47 Granger Ave., Scarborough, Ont., CANADA M1K 3L1

WESTERN CANADA

Totem Tools & Eq., Ltd., 3851 Main St., Vancouver, B.C., CANADA V5V-3P1