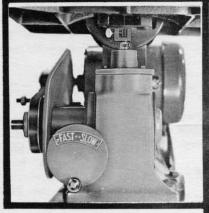
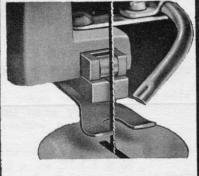
#### New Dependability . . . **Greater Precision...**

Another pace setting achievement of Powermatic engineering. The Model 95 SCROLL SAW is unsurpassed in quality, features, and all around ruggedness. Designed and produced by popular demand, this 24" unit is ideally suited to cabinet, school and pattern shops. Use it as a jig saw, saber saw or filing machine . . . and get more value, more use, and greater accuracy at less cost. Constructed of cast iron and steel, the Model 95-24" Scroll Saw is guaranteed to be distortion free.

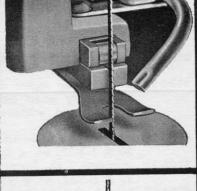




Variable Speed

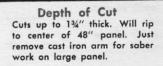


is ideally suited for cut-ting all materials. Adjustment accomplished through conveniently located handwheel.



**Blade Guide** Whether using jig or saber blades this hardened steel guide and roller assembly maintains perfect alignment and blade support. Note heavy duty spring hold-down. Tilts for support on all angle cuts.

Lower Chuck Another POWERMATIC first. This hardened steel chuck guarantees positive grip for all blades for the life of the saw. Will NOT fall apart.



# big value... precision and performance unexcelled

#### **FEATURES**

**FRAME**: Rugged two-piece cast iron base and over-arm, precision machined and distortion free. Over-arm removable for use as saber saw.

GUARD: Pressed steel belt guard completely houses drive belt.

**DRIVES AVAILABLE:** Step pulley drive, four speed, and Variable Speed for infinitely variable speeds.

**TABLE:** Massive 14" x 15" table of finest cross ribbed grey iron castings, machine-ground to precision tolerance. Table tilts 45° right, 15° left for normal cutting and turned 90° for cutting extra long stock.

**BLOWER:** Standard equipped with chip blower which directs a steady stream of air to cutting area, keeping work free of sawdust.

**CRANKSHAFT:** Ball bearing crankshaft is automatically lubricated by splash system in fool-proof crankcase.

**TRUNNION:** A heavy duty double trunnion guarantees absolute rigidity and positive lock in all positions.

**HEAD:** A special combination cast iron and steel head assures long life and trouble free operation.

SPRING: A heavy tension spring over the saw blade is adjustable to blade type and type of cut.

#### STANDARD EQUIPMENT

SCROLL SAW LESS MOTOR: (variable or 8-speed) motor, driven pulleys, belt, belt guard, chipblower, 4-way table, Saber blade, 3 Scroll saw blades and set of wrenches—Less motor, switch, and wiring.

**SCROLL SAW WITH MOTOR:** (variable or 8-speed) motor, driven pulleys, belt, belt guard, chipblower, 4-way table, saber blade, 3 scroll saw blades, set of wrenches, double shaft motor, switch, and wiring.

#### STANDARD MACHINES

950-02—24" Scroll Saw, 4 speed, with stand, belt guard, motor pulley, V belt, 1 saber blade, 3 Scroll Saw blades, wrenches, less motor and switch.

950-03—24" Scroll Saw, variable speed, with stand, belt guard, motor pulley, V belt, 1 saber blade, 3 Scroll Saw blades, wrenches, less motor and switch.

950-04—24" Scroll Saw, 4 speed, with stand, belt guard, 1/3-HP, 1-phase motor, switch #1-21 and extension cord, ready to run.

950-05-24" Scroll Saw, variable speed, with stand, belt guard, 1/3-HP, 1-phase motor and switch, #1-21 and extension cord, ready to run.

950-06—24" Scroll Saw, 4 speed, with stand, belt guard, 1/3-HP, 3-phase motor and switch #3-25, less extension cord.

950-07—24" Scroll Saw, variable speed, with stand, belt guard, 1/3-HP, 3-phase motor and switch #3-25, less extension cord.

#### **OPTIONAL ACCESSORIES**

950-14-JIC Electricals, wt. 20 lbs.

950-15—Magnetic 1-phase Switch #1-29 & 1-3-32, wt. 6 lbs.

950-16—Magnetic 3-phase Switch #3-30 & 1-3-32, wt. 6 lbs.

950-17-1-phase O/L Switch #1-23, wt. 3/4 lb.

950-18—3-phase O/L Switch #3-27, wt. 1 lb. 950-19—Toggle, 1-phase Switch #1-21, wt. 8 oz.

950-20—Toggle, 1-phase Switch #1-21, wt. 8 oz.

950-25-V belt, 4 speed drive

950-26—V belt, variable drive 950-27—Belt Guard, wt. 3 lbs.

950-28-Work Lamp, wt. 10 oz.

950-29—Upper blade chuck assembly, wt. 1 lb. 950-30—Lower blade chuck assembly, wt. 1 lb.

950-31—Upper blade tension assembly

950-32-Variable speed assembly kit

950-33—Saber blade guide, wt. 4 oz.

950-34-Saber Blades

950-35-Stand

#### **SPECIFICATIONS**

Capacity, Arm to Saw	24"
Thickness of cut	
Table size	
Table tilt45° R., 15	L., 45° Front
Table from floor	421/4"
Overall Height	541/2"
Width	14"
Length	36"

Step-Speeds610, 910,	1255	CSM,
Var. Speeds807 to	1653	CSM
Net Weight, with stand		
and motor	190	lbs.
Weight Crated, with stand		
and motor	220	lbs.
Weight Crated, less stand,		
with motor	179	lbs.

Weight Crated, less stand, less motor	156	lbs.
Weight Crated, with stand, less motor	217	lbs.
Weight, Export boxed, with stand and motor		
(11.2 cu. ft.)	.325	lbs.

# OPERATING INSTRUCTIONS AND PARTS LISTS

Model 95 – 24" Scroll Saw

For Serial Numbers From 1-101 Up

POWERMATIC, INC.
McMinnville, Tennessee

# OPERATING INSTRUCTIONS

## SAFETY RULES

#### CAUTION

- 1. Do not look around or carry on a conversation when operating the machine, but give it your undivided and uninterrupted attention.
- 2. Keep the floor around the machine in good condition, clean and free from scraps, sawdust, oil or grease, so that there will be no danger of slipping.
- 3. Always stop the machine before making any adjustments.
- 4. Keep the saw blade sharp and properly set. It is very dangerous to work with dull and insufficiently set tools.
- 5. Roll up your sleeves or wear a shop coat with tight fitting and rather short sleeves. Tuck in your necktie and do not wear gloves. Loose-fitting, torn, or ragged clothing is dangerous, because it may be caught by the saw and the operator's hand or arm pulled against the saw blade and seriously injured.
- 6. Base of machine should be grounded to water pipe or central grounding stations.
- 7. Keep work free of chips (with chipblower) and fingers away from work as far as possible. On very small pieces—use a push stick or work holding clamp.
- 8. Never play with or around this machine. "Horsing" around can be dangerous.
- After blade change—always rotate motor shaft by hand to determine proper depth setting of upper drive unit. Failure to comply with this procedure may result in damage to machine and injury to operator from flying blade bits.

#### GENERAL SET-UP AND ALIGNMENT

#### 1. RECEIVING

Uncrate and check for shipping damage. Clean all coated and greased surfaces. Read instructions thoroughly. Locate all lubrication points; adjustments; methods of drive.

#### 2. MOUNTING

Mount machine securely to solid foundation. Concrete base mounting preferred. Locate in clean, dry and well ventilated building if possible. Motor and electrical connections should be protected when not in operation or if exposed to weather elements.

#### 3. INSPECTION

The above machine requires the minimum amount of attention in service. Periodic or regular inspections are recommended to insure machine is in proper adjustment, positive electrical connections; worn or loose "V" belts and bearings heating or loose.

#### 4. BEFORE OPERATING

Check motor nameplate data or wiring diagram of motor and switch for proper voltage connections before wiring into line. Run motor without load to check the connections and direction of rotation. Always refer to motor nameplate for rotation connections.

#### **OPERATING INSTRUCTIONS**

The Powermatic Model 95-24" Scroll Saw is constructed of cast iron and steel for the absolute maximum in rigidity. Streamlined in appearance, all moving parts are completely guarded except cutting portion of blade. Adaptable for use as a Jig Saw, Scroll or Saber Saw and Filing Machine.

POWER DRIVE: The saw is driven by a motor mounted on the frame of the machine. A 1/3 HP motor is sufficient for most jig, saber and filing operations.

INSTALLING BLADE: The saw is designed to use a 5" clamp type blade. Blade chuck (1) fig. 1 has two floating jaws. The inside jaw is used for holding saber blades and the outside jaw for regular jig saw blades. When blade is clamped with screw (2) fig. 1, it should be in alignment with the upper chuck. Blade is clamped in upper chuck (6) fig. 2 with screw (9) fig. 2. Blade tension is set by loosening lock bolt (7) fig. 2 and raising or lowering blade tensioning tube. When upper or lower blade chuck wears to the point they will not hold blades . . . . replace immediately with new chuck assemblies.

HOLD-DOWN: The spring hold-down (10) fig. 2 should be set tight enough to hold work securely against table to prevent vibration. Spring hold-down is set by loosening wing screw (11) fig. 2 and adjusting holddown to proper height. This hold-down may be tilted to left or right, corresponding with any angle of table tilt. Loosen tilt lock screw on back of hold-down for adjustment.

CHIPBLOWER: The chipblower (12) fig. 2 is designed to blow chips and dust from work area when saw is in operation. Air is furnished by a diaphram pump operated by the crank-shaft in base of machine.

**TABLE ADJUSTMENTS:** Table (16) fig. 1 can be tilted  $45^{\circ}$  by loosening handwheel (12) fig. 3. Pointer (14) fig. 3 accurately measures degree of tilt. Table may be turned or swiveled  $45^{\circ}$  by loosening screws (3) fig. 1.

SPEED CHANGE: Speed of saw blade may be changed on the variable speed model by turning handwheel (4) fig. 1 to the left or right. On the step pulley model, remove quard and change belt position for cone pulleys.

**LUBRICATION:** Lower drive unit and crank-shaft run in oil for smooth operation and long life. Drive unit holds 1½ pints of 10 or 20 weight oil. Fill drive unit through oil cap (15) fig. 3. Upper spring tension assembly should be oiled at regular intervals with a few drops of light machine oil.

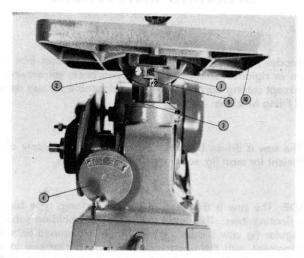


FIGURE 1

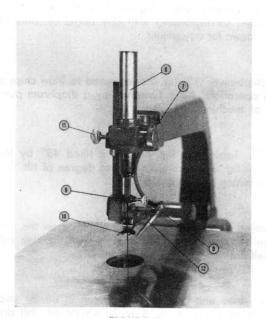


FIGURE 2

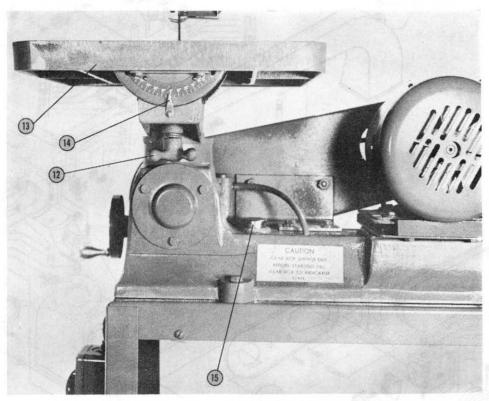
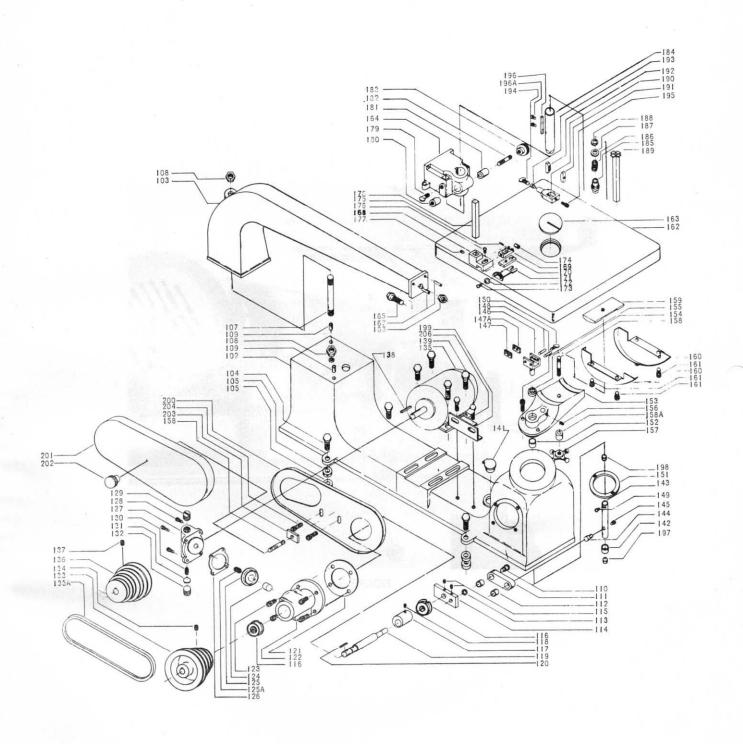


FIGURE 3



#### MODEL 95-24" SCROLL SAW

Part		Quantity	Part		Quantity
No.	Description		No.	Description	Required
101	Stand, Main Frame (Not Pic)		149	Lock Screw, Lower Chuck 6/32 x 1/4	. 1
102	Main Frame, Lower		150	Wing Screw, Chuck Jaw 10-32 x %	
103	Main Frame, Upper	. 1	901	Lower Chuck Assy. (146, 147, 147A, 148,	
104	Bolt, Lower Frame Mounting, 3/8"-16 x 2"			149, 150)	1
	lg, Hex Hd cap	. 4	151	Lock Ring, Trunion Bracket	< 1
105	Rubber Bushing, Mounting Bolt		152	Bushing, Push Rod A-11-GP Johnson	. 1
106	Nut, Mounting Bolt %-16 Hex Hd		153	Trunion Bracket	
107	Stud, Upper Frame Mounting		154	Oil Seal National 50009	
108	Nut, Mounting Stud %-18-NF Hex Hd	. 2	155	Screw, Trunion Lock ¼-20 x 1¼ Socket H	d. 2
109	Split Dowels, Frame Mounting Guide		156	Setscrew, Lower Guide $\frac{5}{16}$ -18 x $\frac{5}{16}$	1
	1/4 x 11/2		157	Handle, Trunion Lock	1
110	Pin, Crank Arm		158	Screw, Trunion Lock & Pulley Cover	
111	Arm, Crank			Mounting	
112	Bushing, Crank Arm % x ½ x % lg		158A	Spacer, Trunion Lock Screw	
113	Spacer, Crank Arm		159	Clamp, Trunion Lock	
114	Counterbalance, Crank Arm		160	Trunion	
115	Setscrew, Counterbalance ¼-20 x % lg .	. 2	161	Bolt, Trunion Mounting 5/16-18 x 1/2	
116	Bearing, Lower Crank Housing SKF	0	1/0	Socket Hd	
	6203 2RSN or Equal		162	Table	
117	Cam	. 1	163	Insert, Table	
118	Setscrew, Cam 5/16-18 x 3/8 lg		164	Head, Upper Guide	1
119	Shaft, Crank		165	Bolt, Upper Guide Head Mounting	1
120	Key, Crank Shaft		166	½-13 x 1-¾ Hex	
121	Gasket, Crank Housing		166 167		
122	Housing, Crank	. 1	168	Split Dowel, Upper Guide Head $\frac{3}{16} \times \frac{1}{2}$ Bracket, Upper Guide	
123	Bolts, Housing Mounting 14-20 x 1/2	. 4	169	Bracket, Blade Support	· · i
124	Socket Hd		170	Guide Clamp	
125	Diaphram Assembly, Pump		171	Holddown	
125A	Spring Diaphram		172	Washer, Holddown	
126	Gasket, Pump Manifold	i	173	Screw, Holddown Mounting 1/4-20 x 3/8	
127	Pump Manifold			Button Hd	1
127A	Manifold Outlet Pipe		174	Back-up Bearing, Blade Support Bracket	. 1
128	Bolt, Pump Manifold Mounting 10-24 x		175	Pin, Bearing Mounting 1/8 x 5/8 Split Pin	1
129	Screw, Manifold %-32 Spec		176	Screw, Guide Clamp Mounting 1/4-20 x 7	
130	Spring, Air Valve			Button Hd	1
131	Valve, Pump		177	Setscrew, Guide Bar Locking 6-32 x ½	1
132	Screw, Pump Valve		178	Guide Bar	1
133	Pulley, Step Cone, Jig Saw		179	Wing Screw, Guide Bar Locking 5/16-18 x	3/4 1
133A	Belt, Step Cone Pulley		180	Lock, Threaded, Quill	1
134	Setscrew, Jig Saw Pulley 5/16-18 x 5/16		181	Lock, Plain, Quill	1
135	Motor		182	Screw, Quill Lock	
135A	Motor Strap	2	183	Knob, Quill Lock Screw	1
136	Pulley, Step Cone, Motor		184	Quill	
137	Setscrew, Motor Pulley $\frac{5}{16}$ -18 x $\frac{5}{16}$		184A		
138	Key, Motor Pulley		184B	Upper Guide, Rubber	
139	Bolt, Motor Mounting %-16 Hex Hd		185	Guide, Spring Plunger	
140	Nut, Motor Mounting % Hex		186	Spring, Guide	
141	Oil Cap		187	Washer, Plunger, Fiber	
142	Bushing, Push Rod Johnson 284GP	· *1	188	Washer, Plunger, Brass	
143	Push Rod		189	Plunger	
144	Pin, Push Rod		902	Quill Assembly, (184, 185, 186, 187, 188	
145	Lock Screw, Push Rod Pin 10-24 x 1/4		100	189, 196, 196A)	
146	Lower Chuck		190	Upper Chuck Stationary	
147	Jaws, Inner, Chuck		191 192	Jaw, Chuck, StationaryJaw, Chuck, Sliding	
147A			192	Pin, Sliding Chuck Jaw	
148	Dowel Pin, Chuck Jaw 5/32 x 1" lg	∠	170	in, shaing chock saw	

#### MODEL 95-24" SCROLL SAW

Part		Quantity	Part		Quantity
No.	Description	Required	No.	Description	
194	Wing Screw, Chuck Jaw 10-32 x %	1 1	207	Pipe, Dust Blower	
903	Upper Chuck Assembly (190, 191, 192,		208	Support, Blower Pipe	i
	193, 194, 195)	. 1	209	Spacer, Chuck Jaw	i
196	Guide, Quill	. 1	210	Collar, Depth Adj. Rod	i
196A	Screw, Quill Guide Mounting 6-32 x 1/4		211	Clamp, Dust Pipe	i
	Flat Hd	. 2	212	Screw, Clamp	i
197	Cap, Lower, Oil Pump	. 1	213	Nut, Screw	i
198	Cap, Upper, Oil Pump	. 1	214	Screw, Belt Guard	i
199	Mounting Bracket, Belt Guard	. 1	215	Knob, Motor	i
200	Plate, Belt Guard Mounting	. 1			
201	Belt Guard	. 1		VARIABLE SPEED	
202	Knob, Guard	. 1	005		
203	Nut, Weld, Belt Guard Mounting		225	Base, Motor	. 1
	Screw %-16		226	Hand Wheel, V. S. Adj	. 1
204	Bolt, Belt Guard Plate Mounting 5/16-18		227	Screw, Var. Sp. Adj	. 1
205	Nut, Belt Guard Plate & Bracket	_	228	Collar, Var. Sp. Adj. Screw	. 2
	Mounting 5/16 Hex		229	Bracket, Var. Sp. Adj.	1
206	Bolt, Belt Guard Mounting Bracket $\frac{5}{16}$ -18	3 2	230	Decal, Speed Indicating	. 1

# PARTS PRICE LIST MODEL 95 - 24" SCROLL SAW

PART NO.	DESCRIPTION	NO.	PRICE
95-101 95-102 95-103 95-104	Stand, Main Frame (Not Pic.) Main Frame, Lower Main Frame, Upper Bolt, Lower Frame Mounting, 3/8" - 16 x 2	1	.25 Each
95-105 95-106 95-107 95-108	Ig, Hex Hd cap Rubber Bushing, Mounting Bolt Nut, Mounting Bolt 3/8-16 Hex Hd Stud, Upper Frame Mounting Nut, Mounting Stud 5/8-18-NF Hex Hd	8 4 1 2	.15 Each .15 Each .40 .25 Each
95-110 95-110 95-111	Split Dowels, Frame Mounting Guide 1/4 x 12 Pin, Crank Arm Arm, Crank	2	. #5 Each .50
95-113 95-045 95-046	Spacer, Crank Arm 3/8 x 1/2 x 3/8 lg Spacer, Crank Arm Counterbalance, Crank Arm Setscrew, Counterbalance 1/4-20 x 3/8 lg Bearing, Lower Crank Housing SKF	1 2	.25 Each .10 1.50 .10 Each.
95-118 95-118 95-119 95-120 95-121	6203 2RSN or Equal Cam Setscrew, Cam 5/16-18 x 3/8 lg Shaft, Crank Key, Crank Shaft Gasket, Crank Housing	1	1.15 Each 1.00 .10 2.10
 95-122 95-123 95-124	Housing, Crank Bolts, Housing Mounting 1/4-20 x 1/2 Socket Hd Plunger, Pump Manifold	1	2.50 .15 Each
95-125 95-125A 95-126 95-127 95-127A	Diaphram Assembly, Pump Spring Diaphram Gasket, Pump Manifold Pump Manifold Manifold Outlet Pipe	City City City City City City City City	. 25 . 15 . 20 1. 50 . 25
95-126 95-129 95-130 95-131 95-132	Bolt, Pump Manifold Mounting 10-24 x 5/8 Screw, Manifold 5/8-32 Spec Spring, Air Valve Valve, Pump Screw, Pump Valve		.15 Each .25 .15
95-138 95-134 95-135 95-135A	Pulley, Step Cone, Jig Saw Belt, Step Cone Pulley Setscrew, Jig Saw Pulley 5/16-18 x 5/16 Motor Motor Strap	2	3.75 1.60 .15
95-136 95-137 95-138 95-139 95-140	Pulley, Step Cone, Motor Setscrew, Metor Pulley 5/16-18 x 5/16 Key, Motor Pulley Boit, Motor Mounting 3/8-16 Hex Hd Nut, Motor Mounting 3/8 Hex	1	3.75 .15 .15 .15 Each .10 Each
95-141 95-142 95-143 95-144 95-145	Oil Cap Bushing, Push Red Johnson 284GP Push Red Pin, Push Red Lock Screw, Push Red Pin 10-24 x 1/4		.40 .30 .75 .15



### Page 2 - PARTS PRICE LIST MODEL 95 - 24" SCROLL SAW

PART NO.	DESCRIPTION	NO.	PRICE	
95-146 95-147 95-147A 95-148 95-149 95-150 95-901	Lower Chuck Jaws, Inner, Chuck Jaw, Outer, Chuck Dowel Pin, Chuck Jaw 5/32 x 1"   g Lock Screw, Lower Chuck 6/32 x 1/4 Wing Screw, Chuck Jaw 10-32 x 5/8 Lower Chuck Assy. (146, 147, 1474, 148,	2	2.00 .25 .25 .15	Each
95-151 95-152 95-153 95-154 95-155 95-156 95-157 95-158	149, 150) Lock Ring, Trunion Bracket Bushing, Push Rod A-II-GP Johnson Trunion Bracket Oil Seal National 50009 Screw, Trunion Lock 1/4-20 x 12 Socket Setscrew, Lower Guide 5/16-18 x 5/16 Handle, Trunion Lock Screw, Trunion Lock & Pulley Cover	Hd 2	2.60 .90 .40 6.50 .90 .15 .20	Each
95-158A 95-159 95-160 95-161	Mounting Spacer, Trunion Lock Screw Clamp, Trunion Lock Trunion Bolt, Trunion Mounting 5/16-18 x 1/2	1 2	9.	Each
95-162 95-163 95-164 95-165	Socket Hd Table Insert, Table Head, Upper Guide Bolt, Upper Guide Head Mounting	1	12,25 .60 3.75	Each
95-166 95-167 95-168 95-169 95-170 95-171 95-172 95-173	1/2-13 x 1-3/4 Hex  Nut, Guide Head Mounting Bolt 1/2-13 He  Split Dowel, Upper Guide Head 3/16 x 1/  Bracket, Upper Guide  Bracket, Blade Support  Guide Clamp  Holddown  Washer, Holddown	x   2 2	.20 .15 .15 .35 .35 .35	Each
95-174 95-175 95-176 95-177	Screw, Holddown Mounting 1/4-20 x 3/8 Button Hd Back-Up Bearing, Blade Support Bracket Pin, Bearing Mounting 1/8 x 5/8 Split Pin Screw, Guide Clamp Mounting 1/4-20 x 7/ Button Hd Setscrew, Guide Bar Locking 6-32 x 1/2	8	.15 .60 .10	
95-178 95-179 95-180 95-181 95-182 95-183 95-184 95-1848	Guide Bar Wing Screw, Guide Bar Locking 5/16-18 x 3/4 Lock, Threaded, Quill Lock, Plain, Quill Screw, Quill Lock Knob, Quill Lock Screw Quill Lewer Guide, Rubber		.15 .40 .40 .25 .30	

# Page 3 - PARTS PRICE LIST MODEL 95 - 24" SCROLL SAW

7	M (S)				
PART NO.	DESCRIPTION		NO.	PRICE	
95-185 95-186 95-187 95-188 95-189 95-902	Gulde, Spring Plunger Spring, Gulde Washer, Plunger, Fiber Washer, Plunger, Brass Plunger Quill Assembly, (184,		off day with the case of the c	.40 .25 .15 .15	
95-190 95-191	189, 196, 196A) Upper Chuck			4.50	*
95-192 95-193 95-194 95-903	Jaw, Chuck, Stationary Jaw, Chuck, Sliding Pin, Sliding Chuck Jaw Wing Screw, Chuck Jaw Upper Chuck Assembly (	10-32 x 5/8 190, 191, 192,		.35 .15 .15	
95-196 95-196A	193, 194, 195) Gulde, Quill Screw, Quill Gulde Mou Flat Hd	nting 6-32 x 1/4	2	1.60	Each
95-197 95-198 95-199 95-200 95-201	Cap, Lower, Oll Pump Cap, Upper, Oll Pump Mounting Bracket, Belt Plate, Belt Guard Moun Belt Guard	Gu <b>a</b> nd ting		. 25 . 15 . 60 2 . 00	
95-202 95-203 95-204	Knob, Guard Nut, Weld, Belt Guard   3/8-16 Bolt, Belt Guard Plate		1 2	6.00	Each
95-205 95-206	Nut, Belt Guard Plate of 5/16 Hex Bolt, Belt Guard Mount	& Bracket Mounting	2	.15	Each Each
95-207 95-208 95-209 95-210 95-211	Pipe, Dust Blower Support, Blower Pipe Spacer, Chuck Jaw Collar, Depth Adj. Rod Clamp, Dust Pipe			.50 .15 .40	
95-2 2 95-2 3 95-2 4 95-2 5	Screw, Clamp Nut, Screw Screw, Belt Guard Knob, Motor			.15 .15 .15	
VARIABLE SPEED	2		•		*
95-225 95-226 95-227 95-228 95-229 95-230	Base, Motor Hand Wheel, V. S. Adj. Screw, Var. Sp. Adj. Collar, Var. Sp. Adj. S Bracket, Var. Sp. Adj. Decal, Speed Indicating		2	3.50 1.00 1.25 .75 1.40	Each