

DATED 1-2-91

PART NO. 430-03-651-0005
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## SAFETY RULES

As with all machinery there are certain hazards involved with operation and use of the machine. Using the machine with respect and caution will considerably lessen the possibility of personal injury. However, if normal safety precautions are overlooked or ignored, personal injury to the operator may result.

This machine was designed for certain applications only. Delta Machinery strongly recommends that this machine NOT be modified and/or used for any application other than for which it was designed. If you have any questions relative to its application DO NOT use the machine until you have written Delta Machinery and we have advised you.

DELTA INTERNATIONAL MACHINERY CORP.
MANAGER OF TECHNICAL SERVICES
246 ALPHA DRIVE
PITTSBURGH, PENNSYLVANIA 15238
(IN CANADA: 644 IMPERIAL ROAD, GUELPH, ONTARIO N1H 6M7)

## WARNING: FAILURE TO FOLLOW THESE RULES MAY RESULT IN SERIOUS PERSONAL INJURY

- 1. FOR YOUR OWN SAFETY, READ INSTRUCTION MANUAL BEFORE OPERATING THE TOOL. Learn the tool's application and limitations as well as the specific hazards peculiar to it.
- 2. KEEP GUARDS IN PLACE and in working order.
- 3. ALWAYS WEAR EYE PROTECTION.
- 4. GROUND ALL TOOLS. If tool is equipped with threeprong plug, it should be plugged into a three-hole electrical receptacle. If an adapter is used to accommodate a two-prong receptacle, the adapter lug must be attached to a known ground. Never remove the third prong.
- **5. REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it "on."
- KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents.
- 7. DON'T USE IN DANGEROUS ENVIRONMENT. Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well-lighted.
- **8. KEEP CHILDREN AND VISITORS AWAY.** All children and visitors should be kept a safe distance from work area.
- **9. MAKE WORKSHOP CHILDPROOF** with padlocks, master switches, or by removing starter keys.
- **10. DON'T FORCE TOOL.** It will do the job better and be safer at the rate for which it was designed.
- 11. USE RIGHT TOOL. Don't force tool or attachment to do a job for which it was not designed.
- 12. WEAR PROPER APPAREL. No loose clothing, gloves, neckties, rings, bracelets, or other jewelry to get caught in moving parts. Nonslip foot wear is recommended. Wear protective hair covering to contain long hair.
- 13. ALWAYS USE SAFETY GLASSES. Wear safety glasses (must comply with ANSI Z87.1). Everyday eyeglasses only have impact resistant lenses; they are not safety glasses. Also use face or dust mask if cutting operation is dusty.
- **14. SECURE WORK.** Use clamps or a vise to hold work when practical. It's safer than using your hand and frees both hands to operate tool.

- **15. DON'T OVERREACH.** Keep proper footing and balance at all times.
- **16. MAINTAIN TOOLS IN TOP CONDITION.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- 17. **DISCONNECT TOOLS** before servicing and when changing accessories such as blades, bits, cutters, etc.
- **18. USE RECOMMENDED ACCESSORIES.** The use of improper accessories may cause hazards.
- **19. AVOID ACCIDENTAL STARTING.** Make sure switch is in "OFF" position before plugging in power cord.
- **20. NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is accidentally contacted.
- 21. CHECK DAMAGED PARTS. Before further use of the tool, a guard or other part that is damaged should be carefully checked to ensure 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.
- **22. DIRECTION OF FEED.** Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
- 23. NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF. Don't leave tool until it comes to a complete stop.
- **24. DRUGS, ALCOHOL, MEDICATION.** Do not operate tool while under the influence of drug, alcohol or any medication.
- 25. MAKE SURE TOOL IS DISCONNECTED FROM POWER SUPPLY while motor is being mounted, connected or reconnected.
- **26. WARNING:** The dust generated by certain woods and wood products can be injurious to your health. Always operate machinery in well ventilated areas and provide for proper dust removal. Use wood dust collection systems whenever possible.

#### ADDITIONAL SAFETY RULES FOR SCROLL SAWS

- 1. WARNING: Do not operate your scroll saw until it is completely assembled and installed according to the instructions.
- 2. IF YOU ARE NOT thoroughly familiar with the operation of Scroll Saws, obtain advice from your supervisor, instructor or other qualified person.
- 3. YOUR Scroll Saw MUST be securely fastened to a stand or workbench. If there is any tendency for the stand or workbench to move during operation, the stand or workbench MUST be fastened to the floor.
- 4. THIS SCROLL SAW is intended for indoor use only.
- MAKE SURE blade is properly tensioned before operating saw.
- 6. MAKE SURE the blade teeth point downward toward the table.
- **7. NEVER** turn the saw "ON" before clearing the table of all objects (tools, scraps of wood, etc.).
- 8. DO NOT cut material that is too small to be safely supported.
- 9. AVOID awkward hand positions where a sudden slip could cause a hand to move into the blade.
- 10. ALWAYS keep hands and fingers away from blade.
- 11. **DO NOT** attempt to saw material that does not have a flat surface, unless a suitable support is used.
- 12. MAKE "relief" cuts before cutting long curves.

- 13. ALWAYS hold the work firmly against the table.
- **14. DO NOT** feed the material too fast while cutting. Only feed the material fast enough so that the blade will cut.
- **15. WHEN CUTTING** a large workpiece make sure the material is supported at table height.
- **16. USE CAUTION** when cutting material which is irregular in cross section which could pinch the blade before the cut is completed. A piece of moulding for example must lay flat on the table and not be permitted to rock while being cut.
- 17. **USE CAUTION** when cutting round material such as dowel rods or tubing. They have a tendency to roll while being cut causing the blade to "bite."
- **18. NEVER** perform layout, assembly or set-up work on the table while the saw is operating.
- 19. TURN OFF the saw before backing material out of an uncompleted cut.
- **20. STOP** the saw before removing scrap pieces from the table.
- 21. ADDITIONAL INFORMATION regarding the safe and proper operation of this product is available from the National Safety Council, 444 N. Michigan Avenue, Chicago, IL 60611 in the Accident Prevention Manual for Industrial Operations and also in the Safety Data Sheets provided by the NSC. Please also refer to the American National Standards Institute ANSI 01.1 Safety Requirements for Woodworking Machinery and the U.S. Department of Labor OSHA 1910.213 Regulations.

#### **UNPACKING AND CLEANING**

Carefully unpack the saw and all loose items from the shipping carton. Remove the protective paper (A) Fig. 3 from the table surface. Clean the table with a soft cloth moistened with kerosene (do not use acetone, gasoline or lacquer thinner for this purpose). After cleaning, cover the table surface with a good quality paste wax.

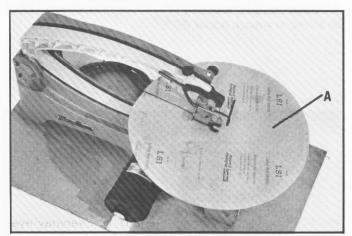


Fig. 3

#### **ASSEMBLING STAND**

If you purchased your scroll saw complete with stand, assemble the stand as follows:

- 1. Lay top shelf (A) upside down on floor, as shown in Fig. 4, and assemble one rear leg (B) and two front legs (C) to top shelf using the fourteen  $5/16-18 \times 3/4"$  hex head screws, 5/16" lockwashers, and 5/16"-18 hex nuts (D). NOTE: All three legs are to be positioned inside the top shelf, as shown.
- 2. Assemble the three tie bars (E) to the legs, as shown in Fig. 4, using the twelve  $5/16-18 \times 3/4$ " hex head screws and 5/16"-18 hex nuts (F).
- 3. Place stand in upright position.
- 4. The two holes (G) Fig. 5, in right front stand leg (C) are used for mounting the blade wrench holder to the stand.
- 5. Line up the holes in right front leg with the two holes in blade wrench holder (H) Fig. 6, and fasten with two 3/8" long socket hex head screws (J) and hex nuts.

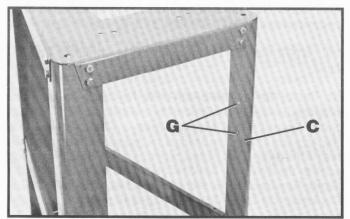


Fig. 5

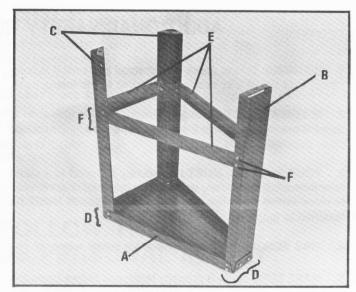


Fig. 4

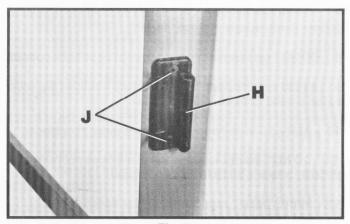


Fig. 6

5. Blade changing wrench (K) Fig. 7, and extra blades (L) can be stored in wrench holder (H).

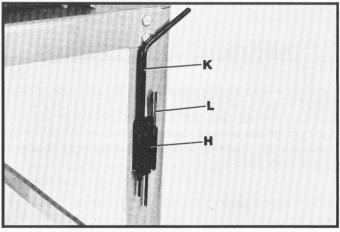


Fig. 7

#### ASSEMBLING SAW TO STAND

- 1. Place a piece of cardboard (A) on the top shelf of stand, as shown in Fig. 8.
- 2. Place the rear end of the saw on the cardboard and while one person holds the saw, remove the three screws (B) as shown in Fig. 8.

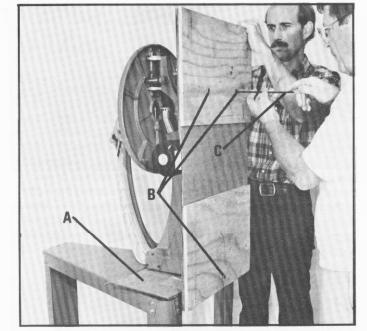


Fig. 8

- 3. Remove the mounting board (D), as shown in Fig. 9.
- 4. Make sure motor cord (E) and power cord (F) Fig. 9, are not crossed and assemble the saw to the three holes in the top shelf using the three 1/4-20 x 1/2" button head screws and 1/4" lockwashers, supplied.



- 1. MAKE CERTAIN THE MACHINE IS DISCONNECTED FROM THE POWER SOURCE.
- 2. Assemble table insert (A) Fig. 10, onto the table top from behind the saw blade (B) so slot (C) is toward the front of the machine. NOTE: Make certain the table insert fits flush with the table surface.
- 3. A table insert blank (D) Fig. 11, is supplied as standard equipment with your scroll saw and can be used when cutting very small workpieces to give added support to the bottom of the workpiece. Simply cut a slot into the blank and replace the standard insert (A) with the blank (D). The slot cut into the blank (D) will only be as wide as the blade giving maximum support to the bottom of the workpiece.

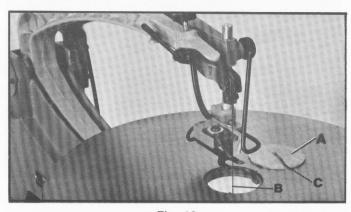


Fig. 10

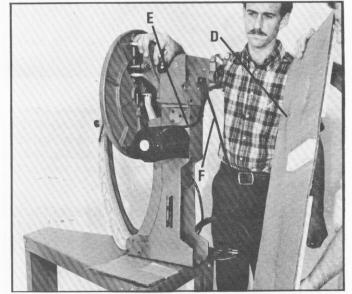


Fig. 9

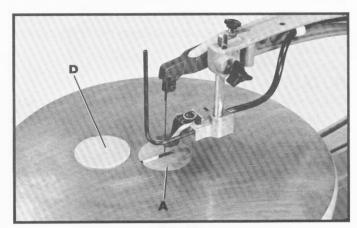


Fig. 11

### CONNECTING SAW TO POWER SOURCE

#### **POWER CONNECTIONS**

A separate electrical circuit should be used for your tools. This circuit should not be less than #12 wire and should be protected with a 20 Amp time lag fuse. If an extension cord is used, use only 3-wire extension cords which have 3-prong grounding type plugs and 3-pole receptacles which accept the tools plug. For distances up to 100 feet use #12 wire. For distances up to 150 feet use #10 wire. Have a certified electrician replace or repair damaged or worn cord immediately. Before connecting the motor to the power line, make sure the switch is in the "OFF" position and be sure that the electric current is of the same characteristics as stamped on motor nameplate. All line connections should make good contact. Running on low voltage will injure the motor.

#### **GROUNDING INSTRUCTIONS**

CAUTION: This tool must be grounded while in use to protect the operator from electric shock. The motor is shipped wired for 115 Volt, Single Phase and is equipped with an approved 3-conductor cord and 3-prong grounding type plug to fit the proper grounding type receptacle, as shown in Fig. 12. The green conductor in the cord is the grounding wire. CAUTION: Never connect the green wire to a live terminal.

An adapter, shown in Fig. 13, is available for connecting 3-prong grounding type plugs to 2-prong receptacles. THIS ADAPTER IS NOT APPLICABLE IN CANADA. The green-colored rigid ear, lug, etc., extending from the adapter is the grounding means and must be connected to a permanent ground such as to properly grounded outlet box, as shown in Fig. 13.

CAUTION: IN ALL CASES, MAKE SURE THE RECEPTACLE IN QUESTION IS PROPERLY GROUNDED. IF YOU ARE NOT SURE HAVE A CERTIFIED ELECTRICIAN CHECK THE RECEPTACLE.

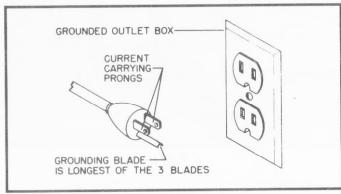


Fig. 12

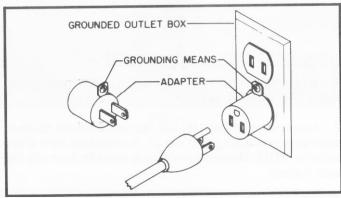


Fig. 13

#### **SWITCH**

Your saw may be equipped with a rotating ON-OFF Switch or a push/pull ON-OFF Switch. In both cases the switch appears as shown at (A) Fig. 14.

#### ROTATING ON-OFF SWITCH

To turn the saw ON, rotate switch (A) Fig. 14, clockwise and to turn the saw OFF, rotate switch (A) counterclockwise.

#### PUSH/PULL ON-OFF SWITCH

To turn the saw ON, pull out switch (A) Fig. 14 and to turn the saw OFF, push in switch (A).

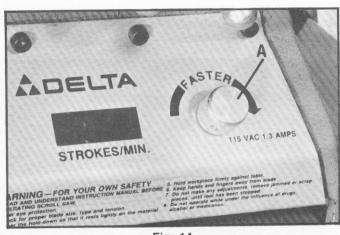


Fig. 14

#### SPEED CONTROL

Your scroll saw can be operated at speeds of 50 to 2000 strokes per minute. The strokes per minute is indicated by the digital readout shown at (B) Fig. 15. To increase the strokes per minute, rotate switch (A) clockwise and to decrease the strokes per minute, rotate switch (A) counterclockwise.



Fig. 15

#### CHANGING BLADES

- 1. IMPORTANT: MAKE CERTAIN THE MACHINE IS DISCON-NECTED FROM THE POWER SOURCE.
- 2. Remove table insert and release blade tension by pulling tension lever (A) Fig. 16, forward as shown.
- 3. Insert long end of blade changing wrench (B) Fig. 16, into hole in upper blade holder (C). This will automatically align wrench (D) with blade holder screw (E).



- 4. Turn handle (F) Fig. 17, of blade changing wrench counterclockwise to loosen blade holder screw and remove blade (G).
- 5. Repeat this operation in the lower blade holder and remove blade.
- 6. Insert new blade into the lower and upper blade holders in the same manner, making certain the blade teeth are pointing down toward the table.

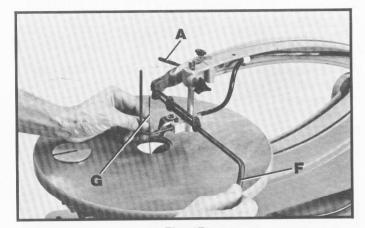


Fig. 17

- 7. Apply blade tension by moving tension lever (A) Fig. 18, to the rear.
- 8. Replace table insert (H) Fig. 18.

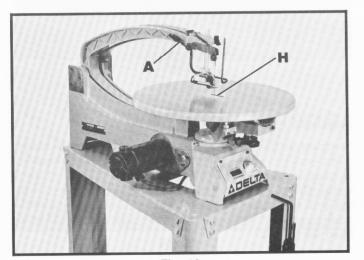


Fig. 18

#### ADJUSTING BLADE TENSION

Tension is applied to the blade when the blade tension lever (A) is in the rear position, as shown in Fig. 20. When the lever (A) is moved forward, blade tension is released.

To increase blade tension, turn knob (B) Fig. 20, clockwise and to decrease blade tension, turn knob counterclockwise. When adjusting tension, lever (A) should be in the forward position.

CAUTION: Excessive blade tension may cause blade breakage.

#### ADJUSTING BLADE GUIDE

The blade may be supported from the rear and held in line to prevent excessive bending while cutting. Accurate work and minimum blade breakage, especially with thin blades, depends on proper adjustment of the blade guide.

The button head screw (A) Fig. 21, holds the blade guide to the blade guide bracket. The guide (B) should be adjusted forward until the V-slot barely touches the rear edge of the blade. Then tighten screw (A) Fig. 21. The blades should not rub in the slot while running free. Excessive friction work hardens the back edge of the blade and reduces blade life. Pressure on the work will push the blade back against the guide while cutting.

#### ADJUSTING HOLDDOWN SPRING

The purpose of the holddown spring (C) Fig. 21, is to hold the work against the table so that it cannot lift with the up stroke of the blade. It should lie flat on the work with the front prongs straddling the blade.

The holddown spring (C) Fig. 21, is attached to the blade guide bracket and the height of the holddown spring is adjusted by loosening knob (F) and moving the guide post up or down.

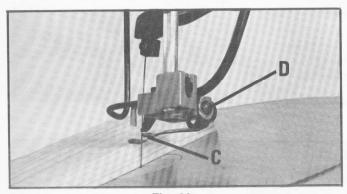


Fig. 22

#### **ADJUSTING GUIDE POST**

The guide post (E) Fig. 23, is adjusted according to the thickness of the work by loosening knob (F) and moving the guide post up or down accordingly. Then tighten knob (F). The holddown spring (C) Fig. 23, should always be brought down as close to the work as possible. The maximum capacity under the holddown spring is 2". The capacity which can be cut with the table tilted will be less.

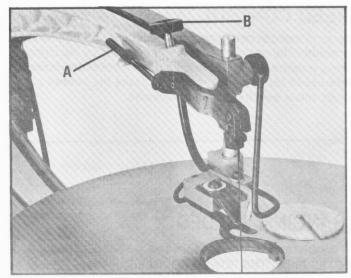


Fig. 20

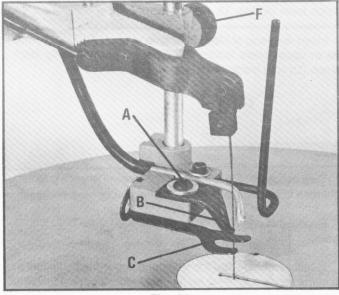


Fig. 21

When the table is tilted, the holddown spring (C) Fig. 22, can be adjusted by loosening screw (D), to the same angle as the table, so it lies flat on the work.

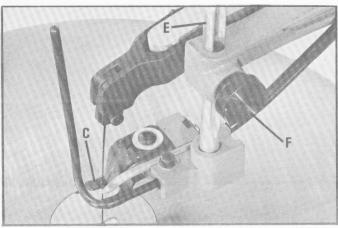


Fig. 23

#### ADJUSTING DUST BLOWER

The dust blower (G) Fig. 24, may be moved to direct air to the most effective point on the cutting line by loosening screw (H).

#### ADJUSTING BLADE GUARD

The blade guard (J) Fig. 24, should always be adjusted so it is in line with the saw blade by loosening screw (H).

#### LEVELING THE TABLE

A table stop (A) Fig. 25, is provided to accurately position the table at 90 degrees with the saw table. Thread nut (B) on table stop (A), loosen lock knob (C) and tilt table (D). Insert table stop (A) Fig. 25, into hole in casting (E) and lower table (D) until it contacts top of table stop (A) as shown.

Using a square as shown in Fig. 26, check to see if the table is 90 degrees with the saw blade.

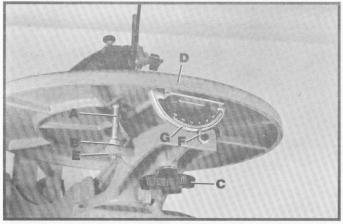


Fig. 25

To adjust, turn nut (B) Fig. 25, right or left as needed until table is 90 degrees with the saw blade. Tighten lock knob (C) and adjust indicator (F) until it points to zero on angle-of-tilt scale (G).

#### TILTING THE TABLE

The table on your scroll saw can be tilted 45 degrees to the right and 30 degrees to the left. To tilt the table to the right, loosen lock knob (A) Fig. 27, and move the table to the desired angle of tilt. NOTE: To tilt the table to the left, it is necessary to remove table stop (B). Tighten lock knob (A) when table is at desired angle of tilt.

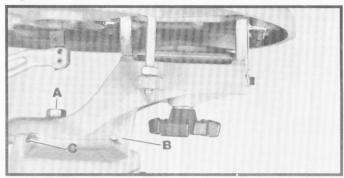


Fig. 28

#### ROTATING THE TABLE

The table can be rotated 90 degrees by loosening screw (A) Fig. 28, and rotating the complete table bracket assembly to the left until stop (B) contacts set screw (C). Then tighten screw (A). This enables you to tilt the table forward, as shown in Fig. 29, for special cutting operations.

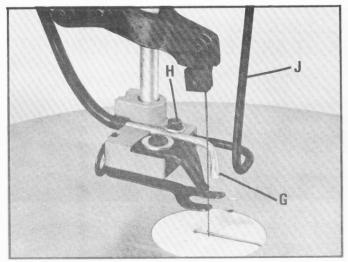


Fig. 24

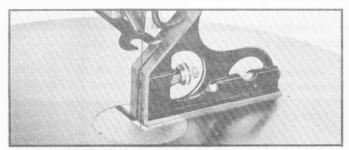


Fig. 26

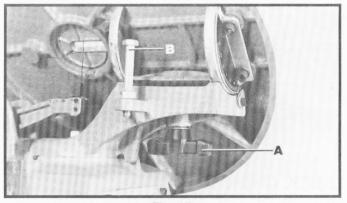


Fig. 27

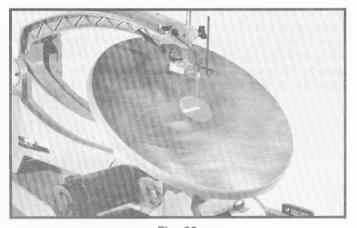
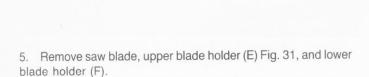


Fig. 29

## ASSEMBLING ACCESSORY 40-603 RIGHT ANGLE BLADE ATTACHMENT

- 1. Disconnect machine from power source.
- 2. Loosen screw (A) Fig. 30, and remove blade guard assembly (B).
- 3. Loosen knob (C) Fig. 30, and remove guide post (D).
- 4. Remove table insert.



- 6. Assemble upper and lower right angle blade holders (G) as shown in Fig. 32.
- 7. Assemble blade so that the front edge of the blade contacts the blade holder screws (H) and tighten screws (H) Fig. 32.
- 8. Replace table insert.

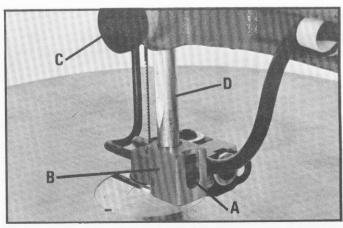
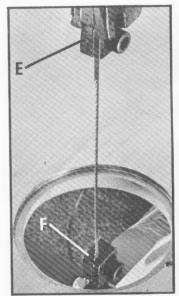


Fig. 30



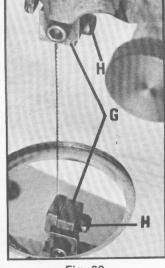


Fig. 31

Fig. 32

### QUICK CHANGE UPPER BLADE HOLDER SCREW

A quick change upper blade holder screw is supplied with your saw that enables you to save time when making numerous inside cuts in a workpiece. Remove the standard blade holder screw (A) Fig. 33, and replace it with the quick change blade holder screw (B) Fig. 34. NOTE: When the quick change upper blade holder screw is used the capacity under the holddown spring will be less than the 2" maximum of the saw.



Fig. 33



Fig. 34

#### REMOVING SPEED CONTROLLER

Should it become necessary to remove the speed controller of your saw for service or replacement, it can be removed as follows:

- 1. Disconnect machine from power source.
- 2. Remove three screws (A) Fig. 35.

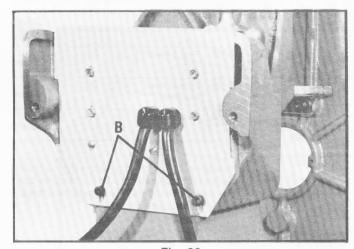


Fig. 36

- 3. Remove two screws (B) Fig. 36.
- 4. Remove grounding screw (C) Fig. 37, and disconnect two ground leads (D).
- 5. Disconnect two motor leads (E) Fig. 37. NOTE: Always replace black and white motor leads (E) as shown in Fig. 37.
- 6. Disconnect two power leads (F) Fig. 37.
- 7. Disconnect speed sensor leads (G) Fig. 37.
- 8. The complete speed controller can then be serviced or replaced.



Fig. 35

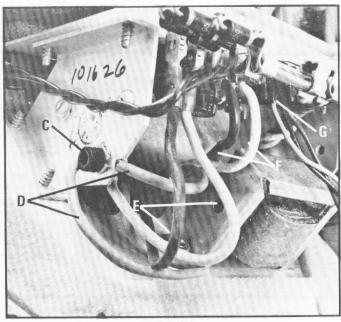


Fig. 37

## **ACCESSORIES**

#### Scroll Saw Blades

A proper blade for every job. All are 5" long with accurately spaced teeth. Heat treated for extra long life. Have 5%" blank ends for fastening into chuck. ½ dozen to a package.

Catalog Number	Material Cut	Width	Thick- ness Inch	Teeth Per Inch
40-058	Steel • Iron Lead • Copper Aluminum	.070	.018	26
40-159	Pewter • Paper Asbestos • Felt	.075	.018	20
40-160	Steel • Iron Lead • Copper Brass	.078	.022	15
40-161	Aluminum Pewter Asbestos	.085	.022	15
40-164	Sheet Metal Iron • Aluminum Copper • Brass Pewter • Lead Wood • Asbestos	.110	.018	20

40-165	Asbestos • Mica Brake Lining • Steel • Iron Lead • Copper Brass • Pewter Aluminum	.250	.028	20
40-184	Wood Veneer Also Plastics • Celluloid Hard Rubber Bakelite • Ivory Extremely Thin Materials	.029	.012	20
40-185	Plastics Celluloid	.035	.015	15
40-187	Bakelite	.090	.022	7
40-188	Ivory • Wood	.110	.022	7
40-191	Wall Board Pressed Wood Wood • Lead Bone • Felt Paper • Copper Ivory Aluminum	.110	.022	15

40-192	Hard and Soft Wood	.110	.022	10
40-193	Hard and Soft Wood	.187	.025	10
40-194	Hard and Soft Wood	.250	.028	7
40-195	Pearl • Pewter Mica	.041	.019	30
40-196	Pressed Wood Sea Shells	.065	.023	20
40-198	Hard Leather	.085	.022	12

As a general rule, always select the narrowest blades recommended for intricate curve cutting and widest blades for straight and large curve cutting operations.

#### **Skip Tooth Blades**

All blades have skip teeth for fast cutting and greater chip clearance.

All blades are 5" long and are supplied 12 blades per package.

Catalog Number	Material Cut	Width	Thick- ness Inch	Teeth Per Inch
40-605	For extremely intricate sawing. Very thin cuts in $1/16$ ° to $3/12$ ° materials. Excellent for cutting wood veneer, plastics, hard rubber, pearl, etc.	.022	.010	27

40-607	For close radius cutting in materials ½" or thicker. Great for sawing hard/soft wood, bone, horn, plastics, etc.	.037	.015	12.5	
40-608	Popular sizes for cutting hard and soft woods 3/16"	.043	.016	11.5	
40-609	up to 2". Also plastics, paper, felt, bone, etc.	.053	.018	12	
40-610	For smooth, splinter-free finish on top and bottom sides. Excellent for hard/soft wood, plywood, etc., with thickness of 1/4" or more.	.100	.022	9 with 3 reverse teeth	

40-611	Wood, plastic, for extremely thin cuts on materials $\frac{3}{32}$ " to $\frac{1}{2}$ " thick.	.070	.010	18.5
40-615	Great for sawing thin materials up to ¼ ". Wood veneer, wood, bone, fiber, ivory and plastic.	.070	.023	17
40-616	For cutting hard and soft woods 3/16" up to 2". Also cuts plastic, paper, felt, bone, etc.	.062	.024	9.5

#### **Metal Piercing Blades**

These premium quality blades are made of hardened and tempered steel for sawing metal and other hardened materials. All blades are 5" long, have regular teeth and are supplied 6 blades per package.

Catalog No.	Width In.	Thickness In.	Teeth Per In
40-617	.023	.012	48
40-618	.034	.016	36
40-619	.051	.022	25

## For 18" Electronic Variable Speed Scroll Saw

No. 25-858 Lamp Attachment, for 115V. Includes 9" flexible gooseneck, reflector and 8-foot cord with plug. Uses standard bulb (not included) up to 40 watts. 2 lbs.

No. 40-603 Blade Holders. For ripping to the center of 36" stock, with unlimited length. 4 ozs.



## PARTS, SERVICE OR WARRANTY ASSISTANCE

All Delta Machines and accessories are manufactured to high quality standards and are serviced by a network of factory service centers and authorized service stations listed in your owner's manual. To obtain additional information regarding your Delta quality product or to obtain parts, service or warranty assistance, please call or fax Delta's toll-free 'hotline' number.



Delta maintains a modern, efficient Parts Distribution Center, maintaining an inventory of over 15,000 parts located in Memphis, Tennessee.

Highly qualified and experienced Customer Service Representatives are standing by to assist you on weekdays from 8:00 A.M. to 5:00 P.M. Memphis time.

MEMPHIS, TN 38118 4290 Raines Road Phone: (901) 363-8800

HOTLINE

800-223-PART FAX: 800-535-6488

## **Authorized Service Stations**

A nationwide network of more than 100 authorized Delta Service Stations stand ready to service Delta Machinery should they ever require maintenance and repair. Skilled technicians using the latest approved repair method and genuine Delta parts assure prompt, efficient and economical service.

ALABAMA

Birmingham 35209 Porter-Cable Corporation 131 W. Oxmoor Rd., Suite 105 205-942-6325

Montgomery 36121 Nor Wood Industries, Inc. 581-A George Todd Drive 205-260-9663

Mobile 36606 Power Tool Service of Mobile 729 Holcombe Avenue 205-479-9832

ALASKA

ALASKA
ALASKA
Alaska Tool & Equip. Service
3207 Arctic Boulevard
907-562-6151

Fairbanks 99706 Fairbanks Aero Services, Inc. Box 60590 907-479-6666

ARIZONA

Mesa 85204 Bast Valley Tool & Equipment Service 835 East Southern Avenue #4 602-892-6163

Phoenix 85014 Glenn's Tool Service 4036 North 13th Way 602-264-6203

Tucson 85705 Circle Saw Shop & Ind. Tool, Inc. 714 W. Grant Rd. 602-624-5248

ARKANSAS

Ft. Smith 72901 Tool Service Co. 4420 Wheeler Avenue 501-648-3125

Hot Springs 71901 Arkansas Tool Service 804 Valley Street 501-321-9851

Little Rock 72202 Electric Tool Service 1419 West 10th Street 501-374-8180

CALIFORNIA Chula Vista 92011 Ori Services Corp. 1075 Bay Blvd. Suite A 619-585-9439

City of Industry 91745 Porter-Cable Corporation 1305 John Reed Court 818-333-3566

Concord 94520 California Electric Service 1170-G Burnett Avenue 415-827-1011

Covina 91723 California Electric Service 612 S. Shoppers Lane 818-915-4935

Dublin 94568 California Electric Service 6759 Sierra Court, Suite B 415-551-3390

Eureka 95501 Electric Tool Co. 2810 Park St. 707-442-4267

Fontana 92335 California Electric Service 9794 Sierra Avenue 714-355-2500

Fresno 93703 R & R Machinery & Electric Inc. 1919 E. Home Avenue 209-233-1213

Fullerton 92631 California Electric Service 1311 E. Orangethorpe Avenue 714-870-0900

Los Alamitos 90720 California Electric Service 11284 Los Alamitos Blvd. 213-430-2668

Los Angeles 90004 California Electric Service 140 S. Vermont Avenue 213-388-9651

Mission Vieio 92691 California Electric Service 23725 Via Fabricante, Unit B 714-586-9440

Modesto 95351 Stanislaus Electric Mtr. Wrks. 504 River Road 209-523-8269

National City 92050 Natl. Tool & Machy. Repair, Inc. 241 W. 35th St. STE D 619-422-8665

North Hollywood 91605 Bucknall Power Tool Service 11910 Vose Street 818-765-0228

Oakland 94606 California Electric Service 1139 E. 12th Street 415-834-1050

Pasadena 91107 California Electric Service 2594 E. Colorado Blvd. 818-792-3194

Redding 96002 Electric Tool and Motor 915 Wall Street #1 916-222-1131

Sacramento 95814 California Electric Service 1821 "Q" Street 916-443-5711

Sacramento 95814 Construction Industry Service Company 1211 C Street 916-444-2525

San Carlos 94070 California Electric Service 910 Brittain Avenue, Suite 102 415-593-6696

San Diego 92011 Ori Services Corp 1075 Bay Blvd. Suite A 619-585-9439

San Diego 92104 California Electric Service 3430 El Cajon Blvd. 619-283-6488

San Francisco 94103 California Electric Service 1090 Bryant Street 415-431-8494

San Jose 95126 California Electric Service 783 The Alameda 408-295-1723

San Leandro 94577 Porter-Cable Corporation 3039 Teagarden Street P.O. Box 1913 415-357-9762

Santa Ana 92707 California Electric Service 2025 S. Main Street 714-641-0529

Santa Rosa 95401 Acme Electric Tool Repair 742 Wilson Street 707-546-5862

Santa Rosa 95403 H & V Tool Repair 1808 Empire Industrial Court #D 707-528-1111

Simi Valley 93065 Simi Tool Repair 1236 Los Angeles Avenue, Unit D 805-584-8138

Temecula 92390 California Electric Service 41715 Enterprise Circle North 714-695-5445

Torrence 90502 Universal Tool Service 21804 S. Vermont Avenue 213-328-6472

Van Nuys 91411 California Electric Service 14753 Oxnard Street 818-997-8855

Whittier 90602 Battels Hdwe & Tool Co. 13238 E. Whittier Blvd. 213-698-3714

W. Los Angeles 90064 California Electric Service 2314 S. Westwood Blvd. 213-475-2532

COLORADO

Colorado Springs 80219 Schlosser Tool and Machinery 3960 Sinton Road 303-636-1311

Denver 80204 Porter-Cable Corporation 2561 West 8th Ave. 303-892-6113

Grand Junction 81501 Professional Tool Service, Inc. 124 22nd Ct. 303-245-3158

CONNECTICUT Hartford 06106 Utility Electric Service, Inc. 53 Main Street 203-246-7271

Oakville 06779 Watertown Tool Supply 28 Main Street 203-596-1344

FLORIDA

Ft. Lauderdale 33334 Master Repair Inc. 4107 N.E. 6th Avenue 305-566-5833

Ft. Myers 33905 Power Tool Repair of Ft. Myers 9950 Orange River Blvd. 813-694-6058

Gainesville 32609 Florida Fastener and Tool Co., Inc. 2826 N. Waldo Road 904-377-4587

Hialeah 33014 Porter-Cable Corporation 16373-75 NW 57th Ave. 305-624-2523

Jacksonville 32205 North Florida Machinery & Tool Repair 230-B Edgewood Ave. South 904-387-4455

Orlando 32803 Finch's Machinery & Tool Service Inc. 18071/2 Winter Park Road 407-644-8100

Pensacola 32505 L. C. Electric Motor Service 117 Industrial Blvd. 904-476-7655

Riviera Beach 33404 3706 E. Industrial Way 407-848-4320

Tampa 33609 Porter-Cable Corporation 4538 W. Kennedy Blvd. 813-877-9585

GEORGIA Augusta 30901 Tool Service Center Box No. 1488

302 Walton Way 404-724-4803 Forest Park 30050 orter-Cable Corporation 017 Jonesboro Road

404-363-8000 Savannah 31402 Morgan's 110 Ann Street 912-234-2271

HAWAII

Hilo 96720 Hawaii Planing Mill Ltd. 808-935-0875

Honolulu 96819 A.L. Kilgo Co., Inc. 180 Sand Island Road 808-832-2200

Honolulu 96819 Slim's Power Tools, Inc 1626 Republican Street 808-841-0902

Honolulu 96817 John Grinnon Co., Inc. 345 N. Nimitz Hwy. 808-538-7333

Kahului 96732 Maui Power Tool Service 251-H2 Lalo Street 808-877-3440

IDAHO

Boise 83705 Air Equipment Company 2350 South Orchard Street 208-375-1313

Boise 83706 K. C. Supply Co. 5103 Irving Street 208-375-1313

Coeur de'Alene 83814 Coeur de'Alene Tool 451 Cherry Lane & Hwy 95 208-667-1158

Idaho Falls 83403 Rossiters Electric Motor 1501 South Capital Avenue

Twin Falls 83301 Ellis Repair 2380 Kimberly Road 208-734-4400

Addison (Chicago) 60101 Porter-Cable Corporation 311 Laura Drive 708-628-6100

North Pekin 61554 Central Tool & Equip. Div. A & I Supply 97 Highway Blvd 309-382-2400

Springfield 62702 James Machinery 223 N. MacArthur 217-522-9115

INDIANA

Elkhart 46516 Thunander Corporation 21861 Protecta Dr. 219-295-4131 Evansville 47711

Tri State Repair Service 1327 N. Fares 812-464-9341 607-729-5287

Fort Wayne 46808 Merrick Evans Inc. 2116 W. Coliseum Blvd. 219-482-4822

Goshen 46526 C & L Electric Motor Repair 1405 Chicago Avenue 219-533-2643

Indianapolis 46241 Macco Equip. Co., Inc. 3129 Kentucky Avenue 317-248-1444

Indianapolis 46220 Standiford Associates, Inc Suite 6, P.O. Box 20543 5335 N. Tacoma Avenue 317-257-1368

IOWA

Davenport 52803 Industrial Engineering Equipment Co. 1958 River Street 319-323-9721

Des Moines 50309 Puckett Electric Tools, Inc. 841 11th Street 515-244-4189 Sioux City 51107 Tools N' More 606 Cunningham Dr 712-258-7921

KANSAS

Salina 67401 Mid Kansas Tool Repair 314 W. Cloud 913-825-6287

Wichita 57213 Richmond Electric Co. 911 Maple 316-264-2344

KENTUCKY

Louisville 40219 Ball Bros. Machine & Tool Repair 8109 Preston Highway 502-969-1626

LOUISIANA

Baton Rouge 70806 Baton Rouge Rental Service 5101 Government Street 504-924-2959

Metairie 70011 R.J. Marchand Cont'r. Spec., Inc P.O. Box 8148 3515 Division Street 504-888-2922

New Orleans 70153-3432 Beerman Precision, Inc. P.O. Box 53432 4206 Howard Avenue 504-486-9391

Shreveport 71101 McClamroch Machinery 939 Louisiana Avenue 318-222-9249

MAINE

MAINE
Bangor 04401
N.H. Bragg & Son
Box 927
92 Perry Rd.
207-947-8611 Portland 04104 M and W Tool Service 38 Portland Street 207-772-2057

MARYLAND

Baltimore 21227 Porter-Cable Corporation 7397 Washington Blvd. Suite #102 301-799-9394 Fax: 301-799-9398

MASSACHUSETTS

Boston (Allston) 02134 Porter-Cable Corporation 414 Cambridge Street 617-782-1700 Fall River 02721 Burns, Inc. 350 M.S. Bishop Blvd.

617-675-0381 Springfield 01105 Saw Center 472 Main Street 413-734-2045

MICHIGAN

Gladwin 48624 \*Tool Haus 630 N. Silver Leaf 517-426-4549

Grand Rapids 49508 Porter-Cable Corporation 3755 G Broadmoor S.E. Broadmoor Business Center 616-949-9040

Petoskey 49770 Ed's Electric Appliance Service 3924 Charlevoix Rd. 616-347-9599

Southfield (Detroit) 48075 Porter-Cable Corporation 18650 W. Eight Mile Road 313-569-4333

Traverse City 49684 Davis Electric Ir 1131 Hastings 5 616-947-9860

MINNESOTA

Minneapolis 55429 Porter-Cable Corporation 4315 68th Avenue North 612-561-9080

MISSISSIPPI Hattiesburg 39404 Mitchell Power Tool Service

2000 Byron Street 601-264-3308 Jackson 39202 Flannigan Electric Co., Inc. 1820 S. West Street Ext. 601-354-2756

MISSOURI

Joplin 64802 Electric Motor Supply Inc. P.O. Box 1925 2301 West 20th Street 417-623-4544

North Kansas City 64116 Porter-Cable Corporation 1141 Swift Aven P.O. Box 12393 816-221-2070

St.Louis 63119 Porter-Cable Corporation 7574 Watson Road 314-968-8950

Springfield 65802 Middle Earth Tool Repair, Inc. 1661 St. Louis 417-831-0954

Billings 59101 Allen's Electric Tool Repair 431 St. John's Avenue 406-248-3865

Black Eagle 59414 Mosch Electric Motors 2513 17th Street North 406-453-2481

Missoula 59801 City Electric Electro Service Center Div. 101 S. Catlin Street 406-549-4115

Missoula 59801 Montana Tool Co. 1908 North Ave. West 406-721-6425

NEBRASKA

Lincoln 68504 Lincoln Tool Service Center 3535 North 40 402-464-1157

Omaha 68127 Thacker Electric 8507 I Street 402-592-9433 NAT WATS 800-678-7604

Omaha 68127 Tool Hospital 4630 So. 85 Street 492-592-5220

#### **Authorized Service Stations (continued)**

NEVADA

Las Vegas 89103 E & M Industrial Hdwe 3725 West Russell Rd 702-736-6102 Las Vegas 89118 All Tools Repair 5720 S. Valley View #5 702-736-6102

Las Vegas 89109 Tool Service Inc. 3229 Industrial Road 702-734-9161

Reno 89512 Comstock Electric 425 Eureka Avenue 702-323-5982

NEW HAMPSHIRE Nashua 03061 Hammar Industrial

175 Amherst St P.O. Box 1209

**NEW JERSEY** Somerville 08876 Butensky Services Co. 10 County Line Road, Suite 7 908-707-0912

Union 07083 Porter-Cable Corporation 945 Ball Avenue 201-964-1730

**NEW MEXICO** Albuquerque 87108 J-M Tool Repair Co. 320 Florida S.E. 505-255-2304

NEW YORK Amherst 14226 \*Philipps Bros. Supply Inc. 2525 Kensington Avenue 716-839-4800

Buffalo 14210 SS Electric Repair Shop Inc. 2470 Seneca Street 716-823-1232

Flushing 11365 Porter-Cable Corporation 175-25 Horace Harding Expwy. 718-225-2040

Kingston 12401 Miron Bldg. Products, Inc. C.P.O. Box 1598 Rt. #9W North 914-336-6000

Rochester 14608 Jackson Saw & Knife Co. 517 State Street 716-546-7485 Rochester 14609

O.G. Schwarz 430 Atlantic Avenue 716-482-9282 Southampton 11968

Richards Tool and Motor Benair County Road 39 and N. Main Street 516-283-5130

Syracuse 13220 Mid-State Contractors 1811 LeMoyne Avenue, Box 2189 315-455-5903

Syracuse 13210 Syracuse Industrial Sales 713 E. Fayette Street 315-478-5751

McQuade and Bannigan 1300 Stark Street 315-724-7119

Vestal 13850 Cascade Electric Inc. 416 Commerce Rd. 607-729-5278

Charlotte 28209 Porter-Cable Corporation 4303B South Boulevard 704-525-4410

Fayetteville 28301 Redi Supply Company 1815 Ramsey Street 919-483-1090

Foscoe 28604 Action Power Tools Hwy. 105 704-963-7271

Greenville 27834 Redi Supply Company 1902 Chestnut Street 919-758-3200

Raleigh 27604 Specialty Tool Service of Raleigh Inc. 2420 Atlantic Ave 919-833-5903

Wilmington 28401 Coastal Power Tool and Equipment Repair 1515 S. Front Street 919-762-0777

Wilmington 28405 M. F. McLean Enterprises Rt. 6, Box 97 Old Wrightsville Road 919-343-1775

Winston Salem 27106 Piedmont Power Mach. Srv. Inc. 4305J Enterprise Drive 919-759-2022

NORTH DAKOTA

Bismark 58501 Acme Electric Motor, Inc 1009 Basin Avenue 701-258-1267 Fargo 58103

Acme Electric Motor, Inc. 3401 Interstate Blvd. 701-235-8060 Grand Forks 58201

Acme Electric Motor, Inc. 1705 13th Avenue North 701-746-6481 Minot 58701

Acme Electric Motor, Inc. 525 20th Avenue S.E. 701-839-2263

Barberton 44203 Viking Akron Tool & Supply Co. 2915 New Park Drive 1-800-362-0585 216-753-1063

Cincinnati 45245 Pro Tool Service 747 Ohio Pike 513-753-4349

Cincinnati 45215 Pro Tool Service Inc. 1125 Glendale-Milford Road 513-772-1490

Columbus 43214 Porter-Cable Corporation 4560 Indianola Avenue 614-263-0929

Alpha (Dayton) 45301 Authorized Tool Service Co. 676 Orchard Lane P.O. Box 5 513-429-5593

North Canton 44720 N. Canton Repair Shop 1555 No. Main 216-499-3529 Toledo 43606 Power Tool Sales & Service

2934 Douglas Road 419-473-0962

Toledo 43613 Electric Tool & Equipment 3156 Upton Avenue 419-474-7537

Valley View 44125 Porter-Cable Corporation Sweet Valley Business Park Unit #18 216 447 9030

West Milton 45383 Conken Equipment Co. 4950 Frederick Garland Road 513-698-3363

Youngstown 44512 Moff Master Power Tools 5228 Market Street 216-783-2130

OKLAHOMA Oklahoma City 73126 Whitton Supply Co. 1419 W. Reno 405-236-5561

Tulsa 74101 Wesche Company P.O. Box 217 2005 East 7th Place 918-583-7551

OREGON

Eugene 97402 Jim's Tool Service 515 Wilson Street 515-344-1513 Medford 97501 Precision Power Tool Repair Inc. 2919 N. Pacific Highway 503-770-5541

Portland 97212 Continental Machine & Tool Inc. 51 N.E. Hancock 503-288-6888

PENNSYLVANIA Erie 16512 Perry Mill Supply Co. P.O. Box 1206 814-453-5641

Allentown 18103 Curio Electric Repair 825 South 5th 215-432-9923

Harrisburg 17105 Stationary Equipment Sales & Service Rear 3605 Ridgeway Rd. 717-545-8043

Kingston 18704 Total Services & Systems, Inc. 166 W. Union Street 717-287-2121

Monroeville 15146 Professional Tool Service 700 Seco Road Monroeville Industrial Park 412-373-7440

Philadelphia 19107-2375 Ideal Tool & Equipment Service 140 N. 10th Street 215-925-0672

Philadelphia 19154 Porter Cable Corporation 12285 McNulty Road 215-677-7800 Fax No.: 215-677-9908 Slatington 18080 Doward's Electric 4711 Main Street 215-767-8148

RHODE ISLAND Providence 02914 Porter-Cable Corporation 1009 Waterman Avenue 401-434-3620

SOUTH CAROLINA Columbia 29203 Mann Electric Repair Co. 3600 Main Street 803-252-7777

Greenville 29602 Poe Corporation P.O. Box 168 803-271-9000

Myrtle Beach 29577 Coastal Elec. & Rewinding 718 8th Avenue N. 803-448-3586

Spartanburg 29302 Cash Supply 113 Country Club Rd. 803-585-9326

SOUTH DAKOTA Rapid City 57702 Stan Houston Equipment Co. 1210 Deadwood Avenue 605-348-1155

Sioux Falls 57702 Stan Houston Equip. Co. 501 S. Marrion Road 605-336-3727

TENNESSEE Chattanooga 37412 F & D Tool Service and Supply 4121 Ringgold Road 615-698-6454

Clarksville 37042 Opa's Shop 312 Pine Mountain Road 615-647-5842

Jackson 38301 Smith Tool Service 908 S. Highland Avenue 901-427-4012

Jamestown 38556 Kirby's Fix-It P.O. Box 147, 120 N. Norris 615-879-7414

Knoxville 37918 Shop Equipment Service Co. 4821 N. Broadway 615-688-3574

Memphis 38116 Express Tool Service Inc. 1004 East Brooks Road 901-332-1353

Nashville 37210 Allied Tool Repair 1005 Second Ave. S. 615-242-8026

Nashville 37210 Power Tool Service of Nashville, Inc. 1106 Elm Hill Pike Suite #130 615-255-8227

Abilene 79604 Abilene Lumber Co., Inc. 2025 Industrial Blvd. Amarillo 79109 Builder's Tool Service 2705 Virginia Circle 806-352-1772

Austin 78722 Hamilton Electric Works Inc 3800 Airport Blvd. 512-472-2428

Austin 78758-5498 The Tool Box 9906A Gray Boulevard 512-836-5483

Corpus Christi 78405 Corpus Christi Power Tool & Repair 3701 Aghes 512-883-1117

Corpus Christi 78405 Otto Dukes Machinery Co. 2588 Morgan Street 512-883-0921

Dallas 75220 Porter-Cable Corporation 10714 N. Stemmons Freeway 214-353-2996

El Paso 79905 C. L. North Co. 123 Chelsea Street 915-772-1469

Ft. Worth 76110 Air & Electric Tool Co., Inc. 3301 South Grove 817-921-0231

Houston 77092 Porter-Cable Corporation 5201 Mitchelldale, Suite B-9 713-682-0334

Longview 75606 Eastex Welding Box 3223, 1232 W. Marshall 214-758-7327

Lubbock 79405 Lubbock Electric Co 1108 34th Street 806-744-2336

San Antonio 78205 Electric Motor Service 1514 E. Commerce 512-226-3462 Sherman 75090 Texoma Tool Repair Co.

309 E. Houston Street 214-892-1510 Texarkana 75501

Ray's Electric Motor Repair 922 Bowie Street 214-792-7031

Tyler 75702 Mason Machinery 1908 W. Erwin Street 214-592-6581 Weslaco 78596 Weslaco Tool Co. 316 E. 4th Street

512-968-9156 Wichita Falls 76307 Bond Tool Company P.O. Box 32 817-322-5343

UTAH Salt Lake City 84115 A.C. Tool and Service, Inc. 2990 South West Temple

801-487-4953 VERMONT S. Burlington 05403 Burlington Tool Repair 23 San Remo Drive 802-658-4131

Charlottsville 22901 Allen Desper Repair Service P.O. Box 1612 1132 E. Market Street

804-293-7913 Harrisonburg 22801 Rocking R Hardware 1030 S. High Street 703-434-9967

Newport News 23606 National Tool Supplies 806 Middle Ground Blvd.

804-873-1115 Norfolk 23517 Bryan Electric Co., Inc. 424 West 25th Street 804-625-0378

Norfolk 23502 \*Henry Walke Co. 1161 Ingle Side Road 804-855-0502

Richmond 23230 Southland Power Tool Srv. 1705 Dabney Road 804-257-7348

Roanoke 24013 Roanoke Armature Co 1108½ Street S.E. 703-345-8741

WASHINGTON Renton 98055 Porter-Cable Corporation 206-251-6680

Spokane 99202 Spokane Power Tool E. 801 Trent Avenue 509-489-4202 Yakima 98901 Cooper Electric Motor Service 205 S. 4th Avenue 509-452-9550

WEST VIRGINIA Huntington 25701 Lawter Electric Motor Co. 202 Adams Avenue 304-522-8297 Wheeling 26003 Kennedy Hardware 3300 McCulloch Street 304-233-3600

WISCONSIN Green Bay 54301 Power Tool Service Co. 310 N. Webster Ave. P.O. Box 1343 414-437-2594

Janesville 53546 Blain Supply, Inc. P.O. Box 391 3507 East Racine 607-754-2821 LaCrosse 54603 A-Line Machine Tool Co. 800 Monitor St. 608-785-1515

Madison 53713 Electric Motors Unlimited 1000 Jonathan Drive 608-271-2311

Milwaukee 53222 Porter-Cable Corporation 10700 W. Burleigh Street 414-774-3650

Oshkosh 54901 \*Kitz & Pfeil Hardware 427 North Main 414-236-3340

Wausau 54401 R.A. Miller Supply 1109 McCleary Street 715-842-9189

WYOMING Casper 82601 Casper Saw Shop 307-237-3279

PUERTO RICO Sierra Bayamon 00619 B & M Electric Tool Repair Center Calle 49, Bloque 51 e West Main

CANADA

Calgary T2H 2L7 #10 6320 11th St. S.E. 403-255-3530

British Columbia Burnaby V5A 4T8 8520 Baxter Place 604-420-0102

Manitoba Winnipeg R3H 0H2 1699 Dublin Avenue 204-633-9259

Ontario Mississauga L4V 1J2 6463 Northam Drive 416-677-5330

Guelph N1H 6M7 644 Imperial Road 519-836-2840

Ottawa K2A 3X2 851 Richmond Road 613-728-1124

Quebec St. Laurent (Montreal) H4N 1W2 523 Rue Deslauriers 514-336-8772 Ste. Foy G1N 4L5

Suite 202 2202 Rue Lavoisier 418-681-7305

7/15/91



# ADELTA

# Delta Building Trades and Home Shop Machinery Two Year Limited Warranty

Delta will repair or replace, at its expense and at its option, any Delta machine, machine part, or machine accessory which in normal use has proven to be defective in workmanship or material, provided that the customer returns the product prepaid to a Delta factory service center or authorized service station with proof of purchase of the product within two years and provides Delta with reasonable opportunity to verify the alleged defect by inspection. Delta may require that electric motors be returned prepaid to a motor manufacturer's authorized station for inspection and repair or replacement. Delta will not be responsible for any asserted defect which has resulted from normal wear, misuse, abuse or repair or alteration made or specifically authorized by anyone other than an authorized Delta service facility or representative. Under no circumstances will Delta be liable for incidental or consequential damages resulting from defective products. This warranty is Delta's sole warranty and sets forth the customer's exclusive remedy, with respect to defective products; all other warranties, express or implied, whether of merchantability, fitness for purpose, or otherwise, are expressly disclaimed by Delta.