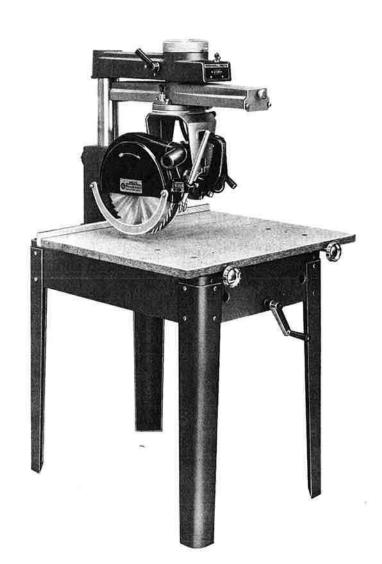


**DATED** 6-15-72

# ROCKWELL DELTA 12" RADIAL SAW

BEGINNING WITH SERIAL NO. EX-700
AND WITH 24 VOLT SINGLE OR THREE PHASE MAGNETIC CONTROL



12" Model Shown with Accessory No. 50-104 Steel Legs for Permanent Installation

#### INTRODUCTION

When you bought your Delta Radial Saw you bought the best and paid nothing more for the extra features of quality construction and manufacturing know-how which are a part of every machine produced by Rockwell. The Delta Radial Saw with its exclusive turret-arm construction and simple operating controls will enable you to perform an almost endless variety of operations more easily, more efficiently than on any other radial saw. The basic operations of cross-cutting, ripping, mitering, etc., require no knolwedge other than the function of controls. And with versatile accessories you'll be performing extra jobs you never thought possible...limited only by your own ingenuity.

# SAFETY SUGGESTIONS FOR ROCKWELL DELTA RADIAL SAWS







12" Radial Saw



14" Radial Saw



16" Radial Saw



18" Radial Saw

- 1. READ the instruction manual before operating your machine.
- 2. IF YOU ARE NOT thoroughly familiar with the operation of Radial Saws, obtain advice from your supervisor, instructor or other qualified person.
- 3. REMOVE tie, rings, watch and other jewelry, and roll up sleeves.
- 4. ALWAYS wear safety glasses or a face shield.
- **5** KEEP saw blade sharp and free of all rust and pitch.
- 6. KEEP blade and arbor flanges free from dirt and grease.
- **7.** BE SURE end plates are securely fastened to track arm before using saw.
- 8 MAKE SURE wiring codes and recommended electrical connections are followed and that machine is properly grounded.
- 9. BE SURE that all clamp handles are properly tightened before operating machine.
- 10. GUARDS should be in place and used at all times.
- 11. MAKE SURE material being cut is against the fence.

- 12. FOR NORMAL CUTTING, pull the blade through the material being cross-cut. HOW-EVER, if the material is extremely thick or hard, such as 3" to 4" lumber, or when cutting aluminum, it is often safer to hold the work against the fence and push the blade through the material.
- 13. WHEN FINISHED cross-cutting, ALWAYS return the cuttinghead to the rear of the track arm.
- 14. ALWAYS follow warning on saw guard for instructions on ripping to be absolutely certain of not ripping from the wrong end.
- 15. ALWAYS use anti-kickback fingers when ripping. The guard should be lowered on the infeed end and the anti-kickback attachment adjusted accordingly.
- 16. NEVER feed work into the anti-kickback end of the machine.
- 17. ALWAYS turn off power and wait until saw blade stops turning before adjusting or changing set-ups.
- 18. SHUT OFF the power and do not leave until the blade has come to a complete stop.
- 19. BEFORE LEAVING the saw, make sure the work area is clean.
- 20. DISCONNECT machine from power source when making repairs or adjustments.

#### INSTALLATION

#### SELECTING FLOOR SPACE

- 1. Select a suitable location for the machine. It is desirable to locate the machine against the wall where it will be out of the way and will actually facilitate materials handling through the shop. Fig. 2 shows hole dimensions when the #50-104 legs are used.
- 2. You can mount the saw on a bench of suitable height or if you have purchased the Cat. No. 50-104 set of four legs, attach them to the frame using the nuts and bolts supplied.

#### ASSEMBLING 50-104 STEEL LEGS

1. The saw can be mounted on a bench of suitable height or if you purchased the Catalog No. 50-104 set of four steel legs, attach them to the frame of the saw using the sixteen  $5/16\text{-}18 \times 3/4$ " hexagon head screws (A), washers (B), lockwashers (C) and hexagon nuts (D). as shown in Fig. 2.

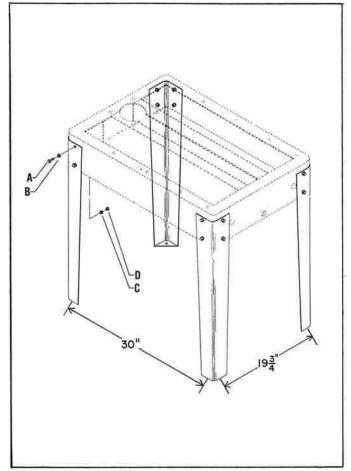


Fig. 2

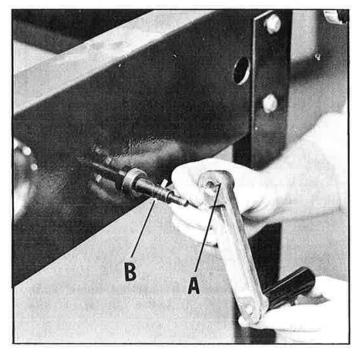


Fig. 3

#### INSTALLING CRANK HANDLE

1. Using one of the shear pins, which is packed in the cloth bag, insert it in the hole in the end of the elevating shaft.

NOTE: The shear pin will protect the bevel gears in the raising mechanism, e. g., should you continue cranking the handle after elevating to the top position, the shear pin will break, preventing damage to the gears. A spare shear pin is furnished with your machine.

2. Place the crank handle on the end of the elevating shaft, lining up the grooves (A) in the handle with the shear pin (B) as shown in Fig. 3. Then assemble the nut to the end of the elevating shaft.

#### ADJUSTING AND LEVELING TRACK-ARM

We recommend that the track-arm is adjusted and leveled as follows. These instructions should be followed when the machine is used with the 50-104 Steel Legs and also when it is used as a bench model.

- 1. With the cutting head still removed from the track-arm, place a spirit level, against the lower edge of the track, as shown in Fig. 4.
- 2. The spirit level should indicate that the front end of the track-arm will be slightly higher than the rear, so as to cause the cutting head to return gently to the starting position when released by the operator. Place metal or hardwood shims underneath front legs as required.

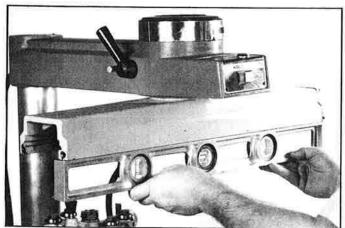


Fig. 5

# INSTALLING CUTTINGHEAD TO TRACK-

1. Remove the packing material from around the motor, and place the motor on a board as shown in Fig. 6.

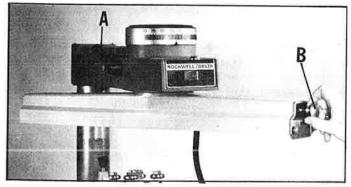


Fig. 7

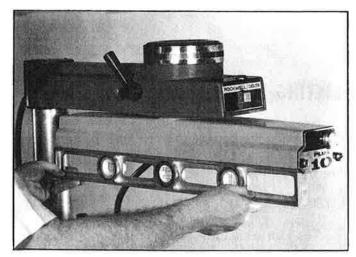


Fig. 4

3. Swing the track-arm 90 degrees and check to make sure the arm is level, as shown in Fig. 5. Add additional shims if necessary. IMPORTANT: After the cutting head is installed to the track-arm, recheck these instructions to make sure the track-arm is properly adjusted, as explained in STEPS 1, 2, and 3.

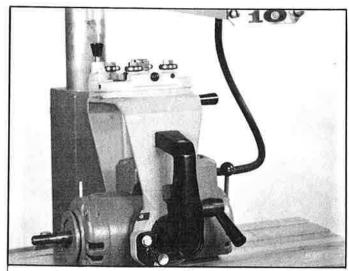


Fig. 6

2. Loosen track lock (A), pull out index knob (B), as shown in Fig. 7, and rotate track arm 90 degrees.

3. Place rip lock in slot in cuttinghead as shown in Fig. 8 with jaws (A) open.

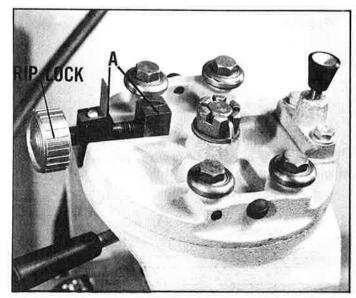


Fig. 8

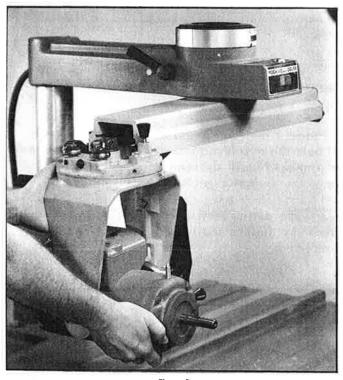


Fig. 9

4. Slip the cuttinghead in the track arm as shown in Fig. 9, and attach rear plate to the track-arm with screws and rubber washers provided.

#### **ADJUSTING LEVELING STRIPS**

1. Two wrenches are supplied with your radial saw. Lock the wrench with the large opening, between the two arbor collars, as shown in Fig. 10.

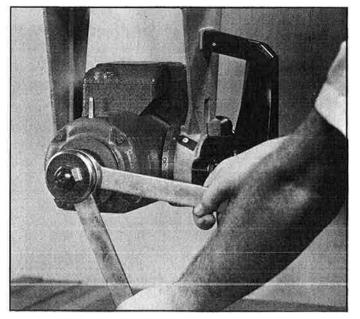


Fig. 10

Loosen "yoke swivel lock", pull out "swivel index" (A), as shown in Fig. 11, and place cuttinghead in the rip position.

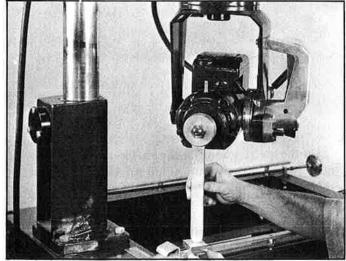
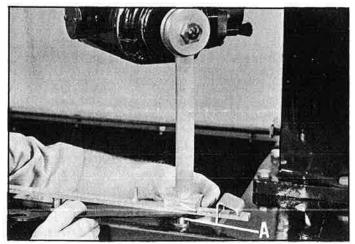


Fig. 12

- Rotate the track-arm and using the feeler gage, check the leveling strip at opposite rear corner.
- If an adjustment is necessary, remove screw (A) and loosen locknut (B), Fig. 13.



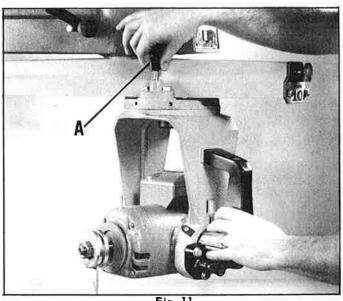
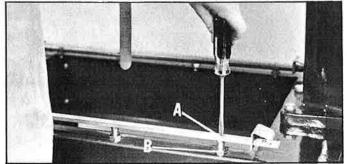


Fig. 11

- Rotate track arm, loosen rip lock and move cuttinghead to the rear of the track, as shown in Fig. 12.
- Place a feeler gage (block of metal or hardwood) over the rear leveling screw. Raise or lower the cuttinghead until the end of the wrench just touches the feeler gage, as shown in Fig. 12.

NOTE: The cuttinghead should not be raised or lowered any further until the leveling operation is completed.



Raise or lower the leveling strip by turning the leveling screw (A) until the wrench just touches the feeler gage, as shown in Fig. 14.

8. When the correct setting is obtained, hold the leveling screw (A) with a wrench, to prevent it from turning and tighten the locknut (B) Fig. 15. Then replace the flat head screw (C).

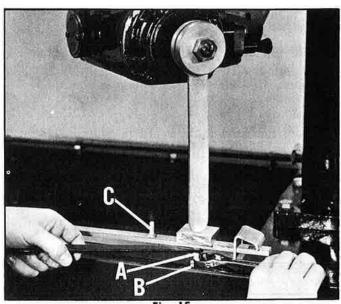


Fig. 15

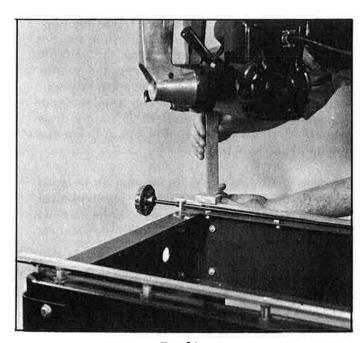


Fig. 16

9. Check the leveling strip at the front corners, as shown in Fig. 16, and adjust if necessary.

10. Lay a straight edge on the leveling strips and adjust the center two screws (A) Fig. 17, if necessary.

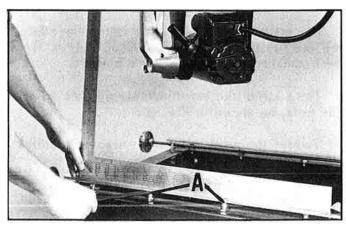


Fig. 17

#### INSTALLING TABLE BOARDS

- 1. Place the main table board on the leveling strips making sure that the two roll pins in the leveling strip fit into the two holes in the table board.
- 2. Fasten the main table board in place, using screws and washers provided, see Fig. 18.
- 3. Place the remaining loose boards and fence on the leveling strips and tighten the lock knobs.

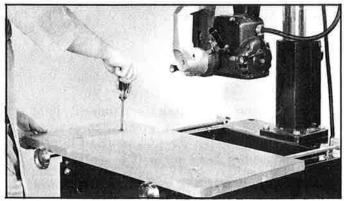


Fig. 18

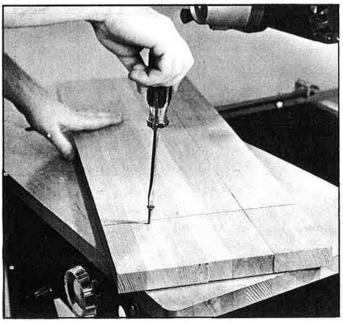


Fig. 19

NOTE: The loose table boards vary in width so that the fence can be placed between them in the best position for various miter cuts. When repositioning the fence and boards they should always be lined up before tightening the clamp knobs. To do this quickly, the following suggestion is offered. Draw a pencil line on the underside of the loose boards along the outside edge of the leveling strips. Remove the boards and lay them on the machine or your workbench. Insert a small wood screw, 1/2" or 3/4" long, in the center of each board about 1/8" away from the pencil line, as shown in Fig. 19. Drive the screws in about half way.

To protect your original table boards, it is good practice to fasten a piece of 1/4" plywood over them using small screws or brads. Make sure to countersink the screws or brads in the plywood, at least 1/8" below the surface.

#### INSTALLING BLADE TO CUTTINGHEAD

- l. Place the saw blade on the motor shaft between the two flanges. The recessed side of the flanges should be against the saw blade.
- 2. The teeth of the saw blade should face down at the front, as shown in Fig. 20.
- 3. Tighten the arbor nut with one wrench while holding shaft steady with other wrench, as shown in Fig. 20.

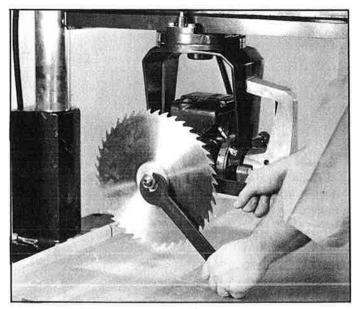


Fig. 20

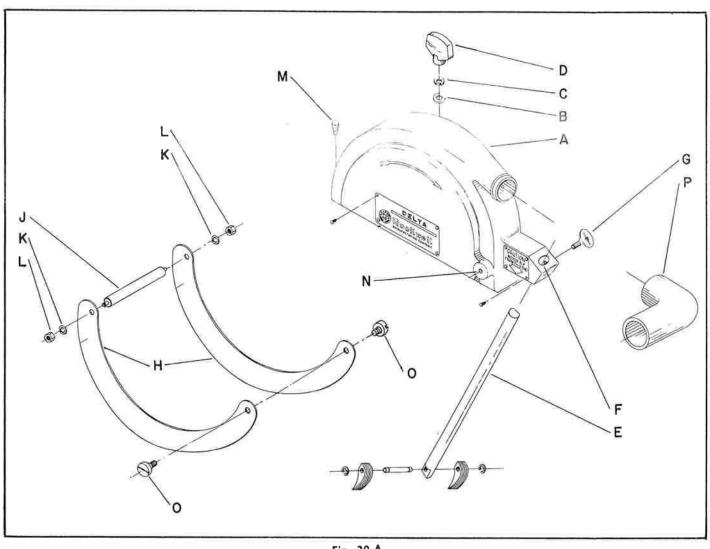


Fig. 20 A

#### INSTALLING BLADE GUARD AND ANTI-KICKBACK ROD TO CUTTINGHEAD

- Assemble blade guard (A) to the stud on the motor and fasten in place using washers (B), lockwasher (C) and handknob (D), Fig. 20-A.
- Insert the anti-kickback rod (E) through hole (F) in front of blade guard, and fasten in place using thumb screw (G), Fig. 20-A.

#### ASSEMBLING RETRACTABLE LEAF GUARD AND DUST CHUTE TO BLADE GUARD

- Assemble the two leaf guards (H) Fig. 20-A, to the stud (J) using lockwasher (K) and nut (L).
- Place the stud (J) over the blade guard (A) so that the stud (J) rest on top of the bumper (M), Fig. 20-A.
- Fasten the front of the two leaf guards (H) to the two holes, one of which is shown at (N), using the two extension screws (O), Fig. 20-A.
- Place the dust chute (P) Fig. 20-A, in place over the hole in the front of the saw guard.

#### **ELECTRICAL CONNECTIONS**

The motor on your machine has been wired for 230V single phase, the power cord is equipped with a plug that has two flat, current-carrying prongs in tandem, and one round or "U"-shapped longer ground prong. This is used only with the proper mating 3-conductor grounding type receptacle, as shown in Fig. 20-B. When the three-prong plug on your machine is plugged into a grounded, 3-conductor receptacle, the long ground prong on the plug contacts first so the machine is properly grounded before electricity reaches it.

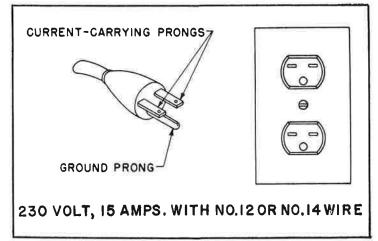


Fig. 20 B

If you have to use this machine on 115 Volt, the motor must be rewired in accordance with the wiring diagram on page 20. The wire and fuse noted in Fig. 20-E, must be used, with a 115 Volt, 15 amp plug and receptacle as shown in Fig. 20-C.

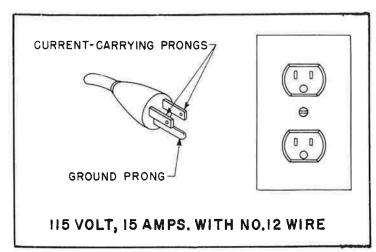


Fig. 20 C

IN ALL CASES, MAKE SURE THE RECEPTACLE IN QUESTION IS PROPERLY GROUNDED.

If the motor on your machine is wired for 200V, 230V or 460V three phase, the necessary wiring from the starter to the power source should be completed by a competent electrician.

IMPORTANT: Make sure the electrical characteristics are the same between the motor nameplate and the power source and make sure the power circuit the radial saw will be used on is properly fused and that the wire size is correct, as shown in Fig. 20-E. MAKE SURE THE RADIAL SAW IS PROPERLY GROUNDED.

#### WIRE AND FUSE SIZE

| HP   | SINGLE PHASE |                   |                |                   | THREE PHASE     |                   |           |                   |  |
|------|--------------|-------------------|----------------|-------------------|-----------------|-------------------|-----------|-------------------|--|
|      | 115 VOLTS    |                   | 230 VOLTS      |                   | 200 - 230 VOLTS |                   | 460 VOLTS |                   |  |
|      | WIRE SIZE    | TIME LAG<br>FUSE* | WIRE SIZE      | TIME LAG<br>FUSE* | WIRE SIZE       | TIME LAG<br>FUSE* | WIRE SIZE | TIME LAG<br>FUSE* |  |
| 11/2 | 12           | 20                | 14             | 15                | -               |                   | :         | :-:               |  |
| 2    | :=:          | _                 | <del>_</del> _ | -                 | 14              | 15                | 14        | 15                |  |

\*Size fuse selected for branch circuit protection.

Every Delta Radial Saw is thoroughly tested, inspected and accurately aligned before leaving the factory and when delivered is ready for operation after the cutting head and table is installed. However, regardless of the care with which this or any piece of fine machinery is manufactured, inspected and shipped, it is possible that rough handling in shipment may make minor adjustment necessary.

Therefore, we offer you these instructions to help you keep your saw in perfect working order for its entire life. We suggest that you check its alignment before use and again at periodic intervals since through the years the abrasive action of dust and dirt may cause some parts to wear.

#### **OPERATING ADJUSTMENTS**

#### **CAUTION**

#### ALWAYS DISCONNECT SAW FROM POWER SOURCE BEFORE MAKING ANY ADJUSTMENTS

## ADJUSTING BLADE SQUARE WITH TABLE TOP

- 1. Remove the blade guard, place cuttinghead in cut-off position over fixed portion of table, as shown in Fig. 21.
- 2. Place a steel square against saw blade, as shown in Fig. 21. Be sure square is between the teeth of the blade.

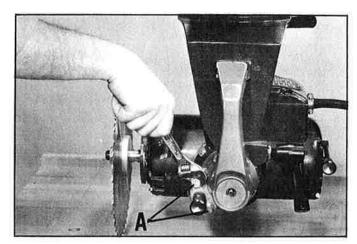


Fig. 22

4. Loosen bolt (A) Fig. 23, located on inside of yoke.

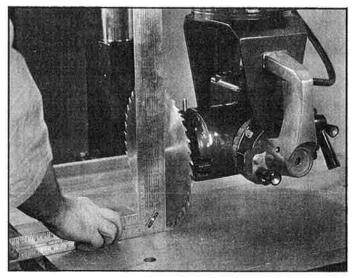


Fig. 21

3. If the blade is not square with the table, an adjustment is necessary. Loosen the two bolts (A) Fig. 22.

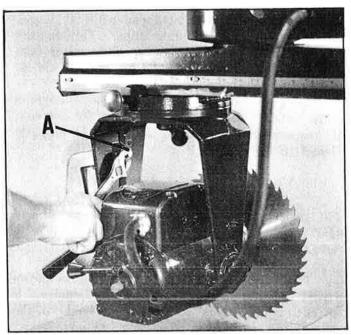


Fig. 23

- 5. Hold the cuttinghead with your left hand, loosen the bevel clamp handle (A) Fig. 24 and tilt the motor until the square is flush against the saw blade.
- 6. When the adjustment is completed tighten the bevel clamp handle (A) Fig. 24, and the two bolts (A) Fig. 22 and bolt (A) Fig. 23.

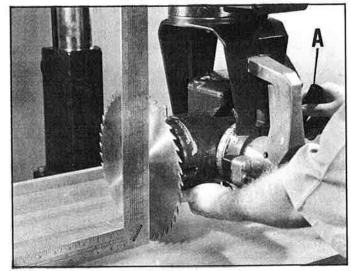


Fig. 24.

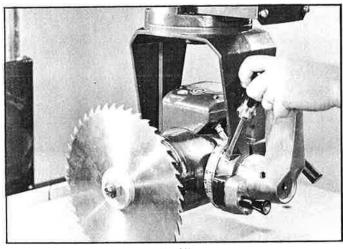


Fig. 25.

7. Set the pointer to the zero mark on the bevel scale, as shown in Fig. 25, and replace the blade guard.

# ADJUSTING SAW TRAVEL SQUARE WITH FENCE

The 10" Radial Saw is equipped with 90 degree and 45 degree positive miter stops. This feature makes it possible to produce accurate miter cuts and perfectly square cross cuts at all times.

To do accurate work, saw travel must be 90 degrees to the fence. If saw travel is not 90 degrees, this means that the track arm is not properly aligned to the fence.

To check and adjust, proceed as follows:

- 1. Remove saw blade from the cuttinghead and insert wrench in place of blade, as shown in Fig. 26.
- 2. Place a steel square against fence, as shown in Fig. 26, and pull cuttinghead along square. If the cuttinghead does not travel parallel to the square, the following adjustment is necessary.

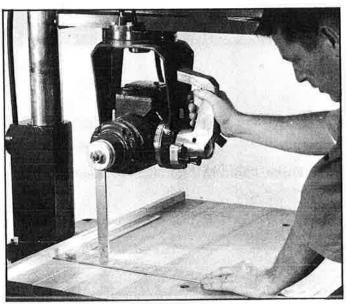


Fig. 26.

3. Remove three screws (A) and miter scale (B) Fig. 27.

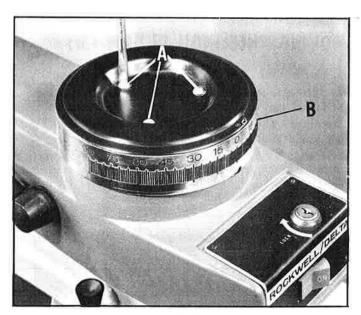


Fig. 27

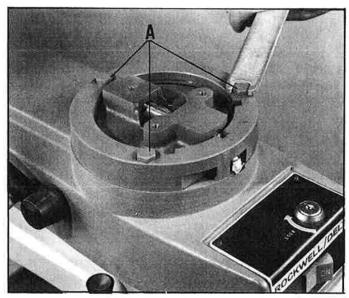


Fig. 28

4. Loosen three screws (A) Fig. 28, and loosen track-arm clamp handle.

- 5. To move front end of track to the right, loosen set screw (A) and tighten set screw (B) Fig. 29. To move front end of track to the left, reverse this procedure.
- 6. When the cuttinghead travels parallel to the square, tighten three screws (A) Fig. 28. Replace bevel scale (B) and three screws (A) Fig. 27, with the zero graduation mark on the scale lining up with the pointer.

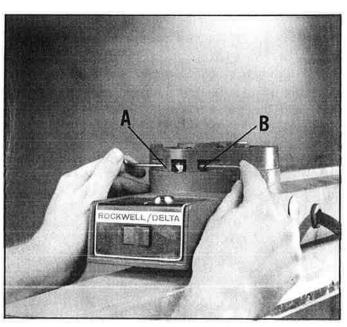


Fig. 29

#### REMOVING "HEELING" IN SAW CUT

Even though the cuttinghead travel may be perfectly aligned at 90 degrees to the fence, the blade itself may not be 90 degrees or square with the fence, as shown in Fig. 30. This condition is known as "heeling."

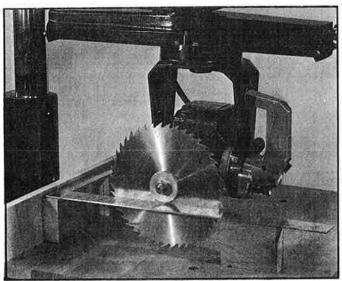


Fig. 31

3. If the blade is not parallel to the square, an adjustment is necessary. Loosen yoke clamping handle and the two screws (A) Fig. 32. Swivel the yoke until the saw blade is parallel with the square. Then tighten yoke clamping handle and the two screws (A) Fig. 32.

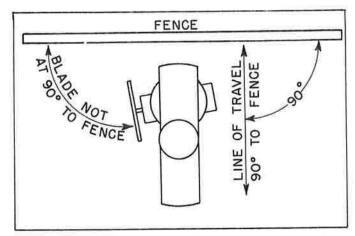


Fig. 30

To check and adjust, proceed as follows:

- 1. Take a piece of 3/4" plywood, at least 5" wide, and clamp it between the table boards in place of the fence, as shown in Fig. 31.
- 2. Using three 2x4's, place them on the table, as shown. Lay the square on the 2x4's with one end of the square against the plywood and the other end against the saw blade, as shown in Fig. 31.

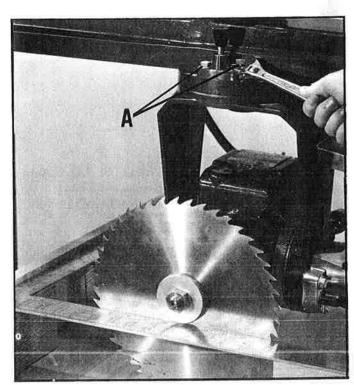


Fig. 32

#### **MAINTENANCE**

# CHANGING POSITION OF YOKE CLAMPING HANDLE

When the yoke clamping handle does not lock in a convenient position, it may be repositioned as follows:

- 1. Swing the track to the rip position, remove rear end plate from the track-arm, and remove the cuttinghead, as shown in Fig. 33.
- 2. Loosen yoke clamp handle (A) and remove cotter pin (B) Fig. 33.
- 3. Turn the nut (C) Fig. 33, clockwise 60 degrees and replace cotter pin.
- 4. Replace the cuttinghead to the track-arm.

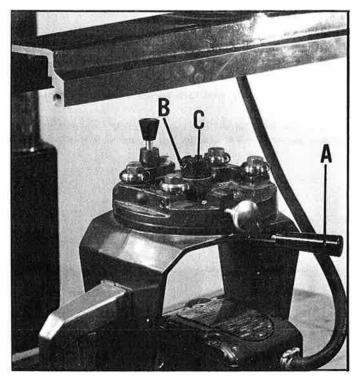


Fig. 33

# B

Fig. 34

(For clarity Fig. 34 is shown with the cuttinghead removed. The adjustment should be made with the cuttinghead at the center of the track.)

# ADJUSTMENT OF BALL BEARINGS AGAINST TRACK

The carriage is mounted on four pre-loaded, prelubricated, shielded ball bearings. Two on fixed shafts (on saw blade side of track-arm), the other two on adjustable eccentric shafts.

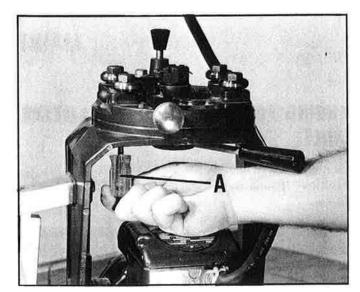
After years of operation wear may develop in the track-arm causing "play" between the ball bearings and the track. Check the ball bearings against the track for any "play". The ball bearings must ride smoothly and evenly in track to do accurate work.

To check and adjust the bearings on the eccentric shafts, proceed as follows:

- 1. Move the cuttinghead to the center of the track, and check to see if any play is present.
- 2. To adjust, place special wrench (A) Fig. 34 over hexagon nut (located underneath the carriage) and loosen.
- 3. Loosen set screw (B) Fig. 34 to release lock action on eccentric shaft.

- Using a small screw driver (A) Fig. 35, turn screw slightly until all play is removed.
- Lock set screw (B) Fig. 34, and tighten hex jam nut with special wrench (A).
- Use the same procedure to adjust rear bearing.

(For clarity Fig. 35 is shown with the cuttinghead removed. The adjustment should be made with the cuttinghead at the center of the track.)



REPLACING MANUAL BRAKE ASSEMBLY

1. Remove four screws (A) Fig. 36-A, and protective shaft covering (B). Remove the motor end bell from

2. Remove the small roll pin that holds the brake handle (C) Fig. 36-A, to the stud and remove the

the motor.

handle.

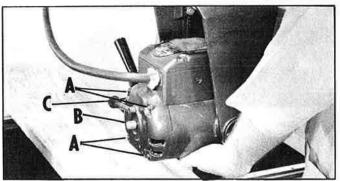
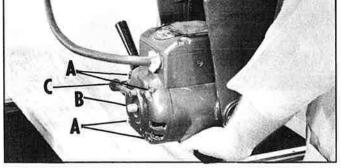


Fig. 36 A

- 3. Remove the brake shoe assembly with the stud and spring from inside of the motor end bell.
- 4. Slide the new spring (A) Fig. 36-B, onto the stud with the arms of the spring spanning the roll pin in the brake shoe assembly, as shown.



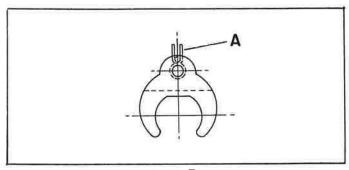


Fig. 36 B

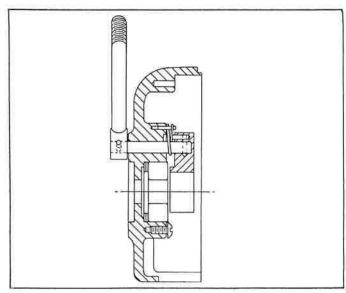


Fig. 36 C

- 5. Assemble the brake shoe assembly to the inside of the motor end bell with the spring spanning the roll pin located on the inside of the end bell, as shown in Fig. 36-C.
- 6. Replace the brake handle and assemble the motor end bell to the motor.

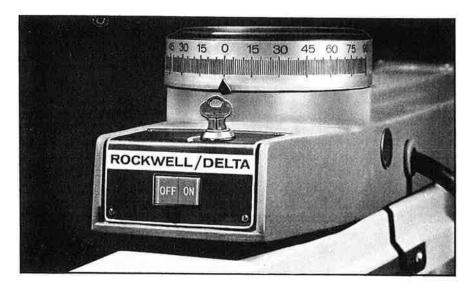


Fig. 37

#### **SWITCH**

Your Rockwell/Delta Radial Saw is equipped with a convenient, up front, On and Off Switch. The switch is placed at eye level, as shown in Fig. 37, and can be turned on or of in an instant for added operator protection. The saw is equipped with a lock-out feature which permits the switch to be locked so it cannot be turned on without the key. When the switch is in the On position the key cannot be removed.

#### **OPERATION**

Figures 38, 39, and 40, are shown with the leaf guard removed for clarity.

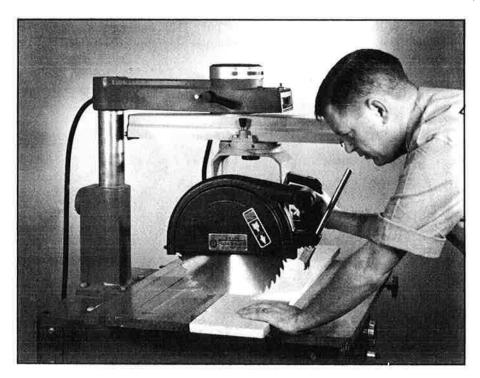


Fig. 38

#### **CROSS—CUTTING**

The first operation you should learn to perform on the radial saw is cross-cutting. In cross-cutting the track-arm is set parallel with the over-arm and locked in position. The saw blade is to the left and behind the fence. The material is placed on the table against the fence and the saw blade is pulled across the work and returned to its starting position. The operator should position himself a little to the left of the machine for better visibility while cutting. Fig. 38 shows cross-cutting on the radial saw.

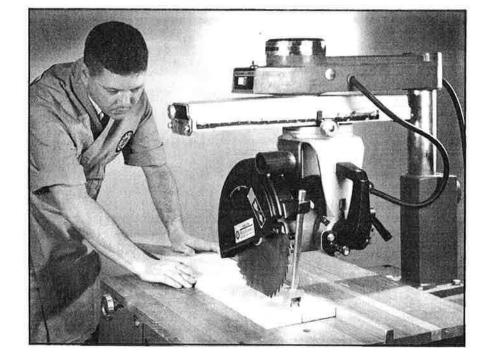


Fig. 39 RIPPING

Ripping involves making a length-wise cut through a board along the grain. In ripping the track-arm is set parallel with the over-arm. The yoke is then positioned so that the blade is parallel to the fence. The blade can be located in either the inboard or outboard position when ripping. In feeding the material, one edge rides against the fence while the flat side of the board rests on the table. The guard should be lowered on the infeed end and the anti-kickback attachment adjusted accordingly. The feed hand should always be well away from the blade and should be positioned on the material so that it will pass the saw blade on the outboard side of the cut. The material between the blade and the fence should not be touched with the hand until the saw is stopped. Fig. 39 shows outboard ripping on the radial saw.

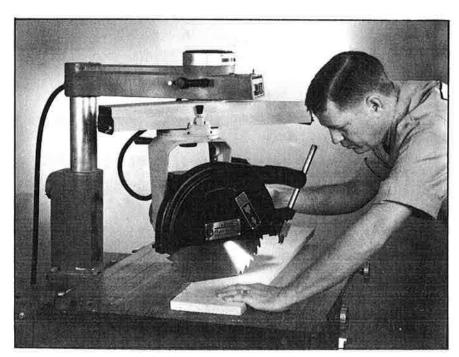


Fig. 40
MITERING

Mitering is performed in the same manner as cross-cutting with the exception that the track-arm is first positioned to the desired angle on the miter scale before it is clamped in place. Fig. 40 shows a typical mitering operation on the radial saw.



#### **AUTHORIZED DELTA PARTS DISTRIBUTORS**

#### CALIFORNIA

LOS ANGELES, 90007 Rockwell Manufacturing Company 2400 South Grand Avenue Phone: 213 749-0386

OAKLAND, 94601 Rockwell Manufacturing Company 4621 Malat Street Post Office Box 7327 Phone: 415 535-2424

#### COLORADO

DENVER, 80207 Rockwell Manufacturing Company 4900 East 39th Avenue Phone: 303 388-5803

#### GEORGIA

ATLANTA (Doraville), 30340 3500 McCall Place Phone: 404 458-2263

#### HAWAII

HONOLULU, 96819 Rockwell Manufacturing Company 3209 Koapaka Street Phone: 808 872-048

#### **ILLINOIS**

CHICAGO, (Melrose Park), 60160 Rockwell Manufacturing Company 4533 North Avenue Phone: 312 921-2650

#### **MASSACHUSETTS**

BOSTON, (Allston), 02134 Rockwell Manufacturing Company 414 Cambridge Street Phone: 617 782-1700

#### MICHIGAN

DETROIT (Southfield), 48075 Rockwell Manufacturing Company 18650 West Eight Mile Road Phone: 313 358-1000

#### MISSOURI

N. KANSAS CITY, 64116 Rockwell Manufacturing Company 1141 Swift Avenue Phone: 816 221-2070

#### **NEW YORK**

NEW YORK, 10013 Rudolf Bass, Incorporated 175 Lafayette Street, Cor. Grand Street Phone: 212 CA 6-4000

BUFFALO, 14204 Karle Saw Company, Incorporated 138-150 Chicogo Street, Cor. So. Park Avenue Phone: 716 853-8053 or 853-8054

#### OHIO

CINCINNATI, 45203 Rockwell Manufacturing Company 906 Dalton Street Phone: 513 241-2737

#### PENNSYLVANIA

PHILADELPHIA, 19120 Rockwell Manufacturing Company 4433-37 Whitaker Avenue Phone: 215 455-7907

PITTSBURGH, 15208 Rockwell Manufacturing Company 400 North Lexington Avenue Phone: 412 241-8400

#### TEXAS

DALLAS, 75247 Rockwell Manufacturing Company 2934 Iron Ridge Street Post Office Box 47767 Phone: 214 631-1890

#### WASHINGTON

SEATTLE, 98101 Rockwell Manufacturing Company 1918 Minor Avenue Phone: 206 622-4576

#### WISCONSIN

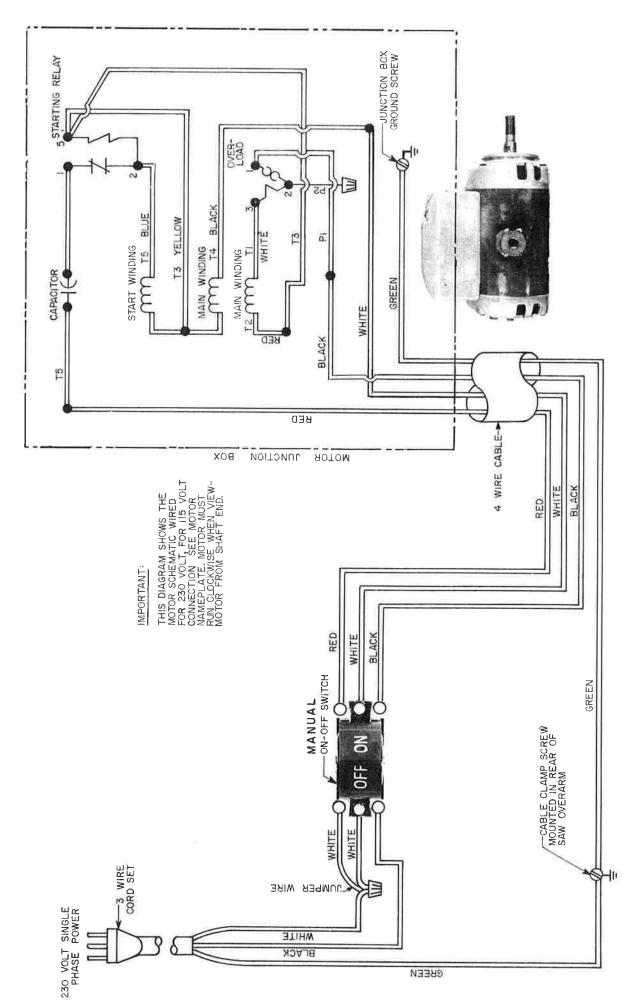
MILWAUKEE, 53222 Rockwell Manufacturing Company 10700 West Burleigh Street Phone: 414 774-3650

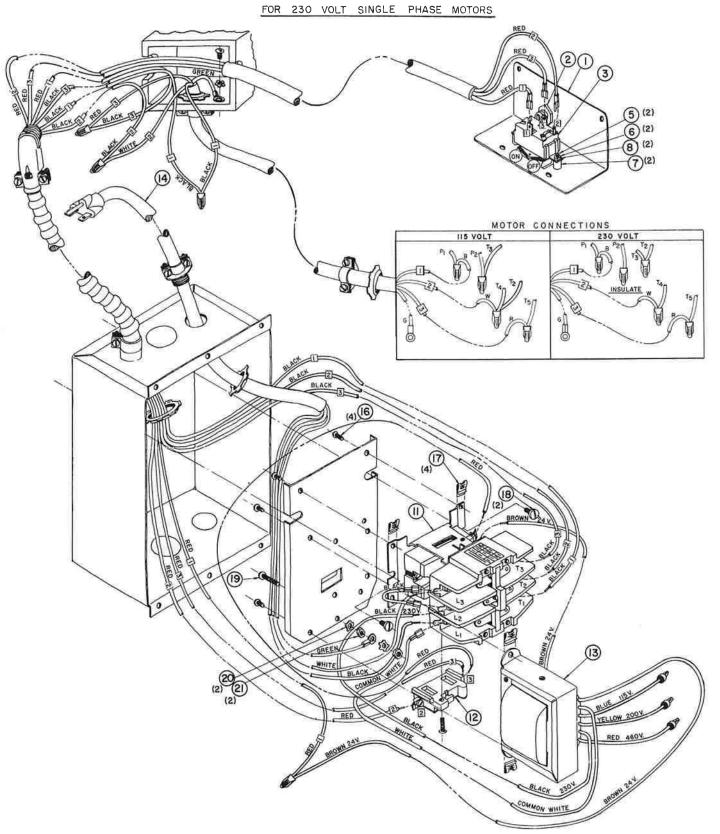
#### CANADA

GUELPH, ONTARIO Rockwell Manufacturing Company of Canada Limited 40 Wellington Street Post Office Box 848 Phone: 519 822-2840

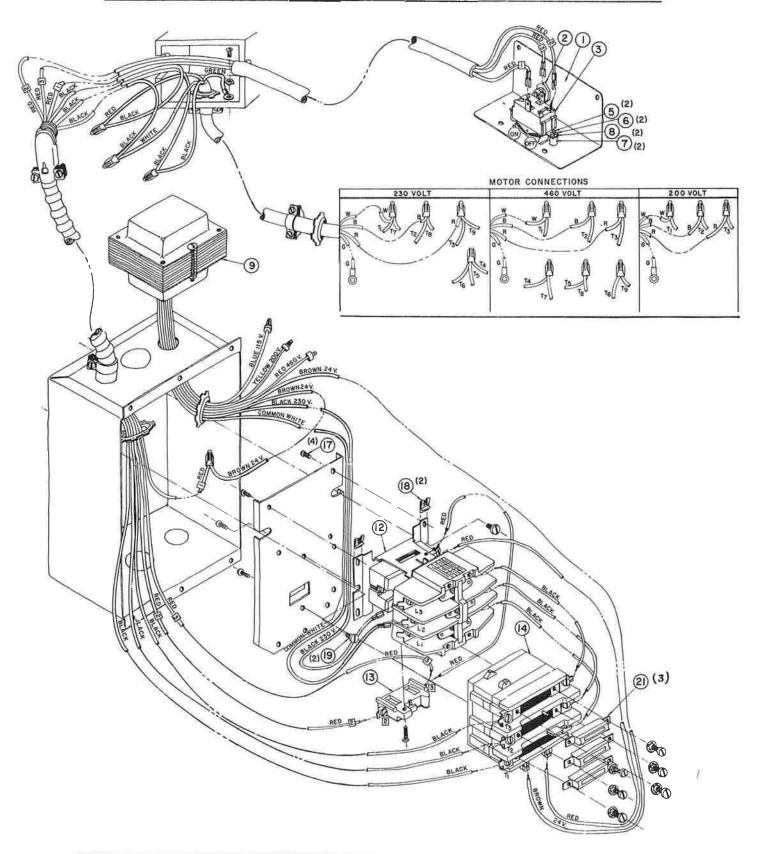
-JUNCTION BOX GROUND SCREW MOTORS STARTING RELAY £Τ PHASE FOR 115 VOLT SINGLE VOLT OPERATION OF THIS TOOL IS NOT RECOMMENDED BLACK T3 YELLOW a. MAIN WINDING WHIT START WINDING MAIN WINDING TIP TIP CAPACITOR GREEN WHITE BLACK SWITCH CONTROL WITH INTEGRAL OVERLOAD PROTECTOR 13 BED 4 WIRE CABLE-JUNCTION XOB ROTOM CONNECTION SEE PAGE 21.
MOTOR MUST RUN CLOCKWISE
WHEN VIEWING MOTOR FROM
SHAFT END. FOR 115 VOLT - FOR 230 VOLT WHITE BLACK RED DIAGRAM SHOWS THE MOTOR SCHEMATIC WIRED MPORTANT S 3 RED WHITE BLACK ON-OFF SWITCH GREEN MANUAL CABLE CLAMP SCREW MOUNTED IN REAR OF SAW OVERARM NOTE: 115 ON-OFF MANUAL WHITE WHITE -3 WIRE CORD SET JUMPER WIRE 115 VOLT SINGLE PHASE POWER **BTIHW** ВГАСК **GREEN** 

MOTORS PHASE 230 VOLT SINGLE FOR SWITCH CONTROL WITH INTEGRAL OVERLOAD PROTECTOR ON-OFF MANUAL



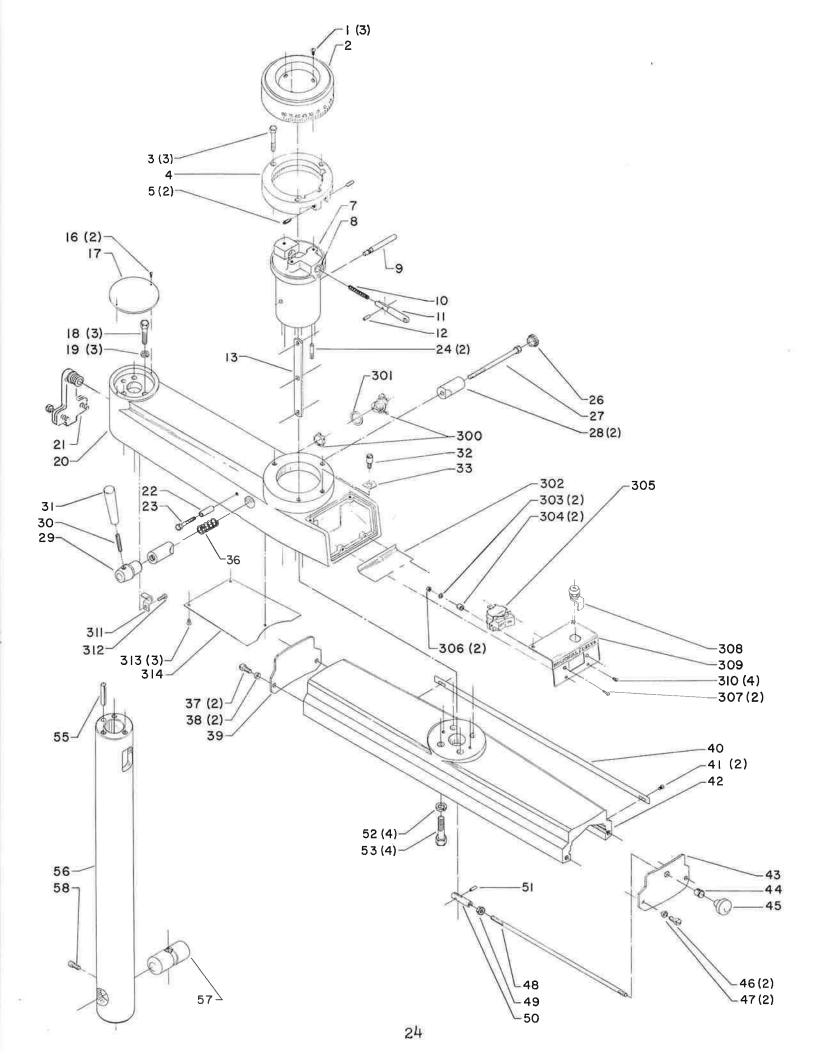


| Ref. | Part            | Description                           | Ref. | Part         | Description                              |
|------|-----------------|---------------------------------------|------|--------------|--|
| No.  | No.             |                                       | No.  | No.          | •  |
|      | 424-02-331-0020 | Switch Plate Assembly, consisting of: | .13  | 1086720      | Transformer (Primary Lead must           |
| 1    | 424-02-031-0031 | Cover                                 |      |              | match Voltage)                           |
| 2    | 424-02-368-0002 | Lock w/Two Keys                       | 14   | Cat. #49-514 | 230 V. Cable                             |
| 3    | 438-01-017-0085 | Switch                                | 14   | Cat, #49-513 | 115 V. Cable                             |
| 5    | SP-588          | #6-32 x 3/4" Rd. Hd. Scr.             | 16   | 1086756      | Special Screw                            |
| 6    | SP-1215         | #6-32 Hex. Nut                        | 17   | 1086757      | Speed Nut                                |
| 7    | 424-02-109-0001 | Spacer                                | 18   | 0908460      | #8-32 x 3/4" Pan Hd. Thread Forming Scr. |
| 8    | SP-1788         | #6 External Tooth Lock Washer         | 19   | 1086822      | Special Screw                            |
| 11   | 1225237         | Contactor                             | 20   | SP-1795      | #10 External Tooth Lock Washer           |
| 12   | 1225236         | Interlock                             | 21   | SP-1203      | #10-32 Hex. Nut                          |



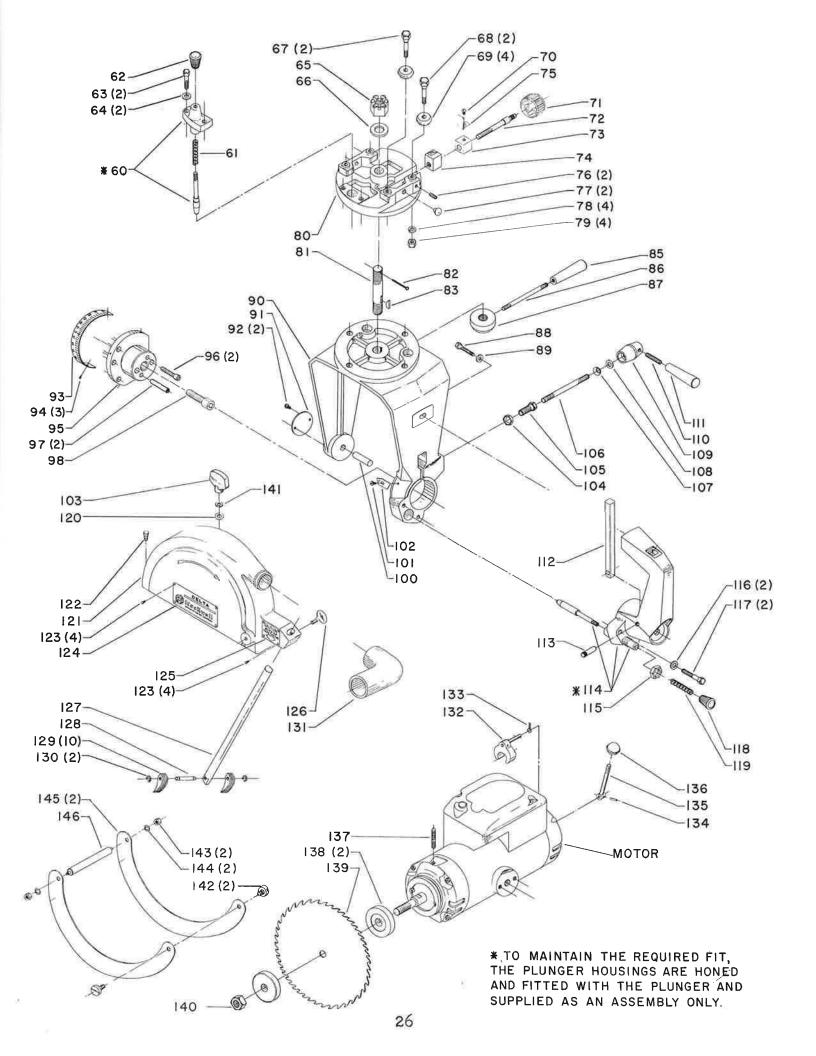
| Ref. | Part            | Description                           | Ref.       | Part    | Description                              |
|------|-----------------|---------------------------------------|------------|---------|--|
| No.  | No.             |                                       | No.        | No.     |  |
| •    | 424-02-331-0020 | Switch Plate Assembly, Consisting of: | 9          | 1086753 | Transformer                              |
| 1    | 424-02-031-0031 | Cover                                 | 12         | 1225237 | Contactor                                |
| 2    | 424-02-368-0002 | Lock w/2 Keys                         | 13         | 1225236 | Interlock                                |
| 3    | 438-01-017-0085 | Switch                                | 14         | 1225235 | Overload Block                           |
| 5    | SP=588          | #6-32 x 3/4" Rd. Hd. Scr.             | 17         | 1086756 | Special Screw                            |
| 6    | SP-1215         | #6-32 Hex. Nut                        | 18         | 1086757 | Speed Nut                                |
| 7    | 424-02-109-0001 | Spacer                                | 19         | 0908460 | #8-32 x 3/4" Pan Hd. Thread Forming Scr. |
| 8    | SP-1788         | #6 External Tooth Lock Washer         | <b>2</b> 1 | 1225215 | Heater Coil                              |

Heater Coil must be selected based on motor amp rating at selected voltage



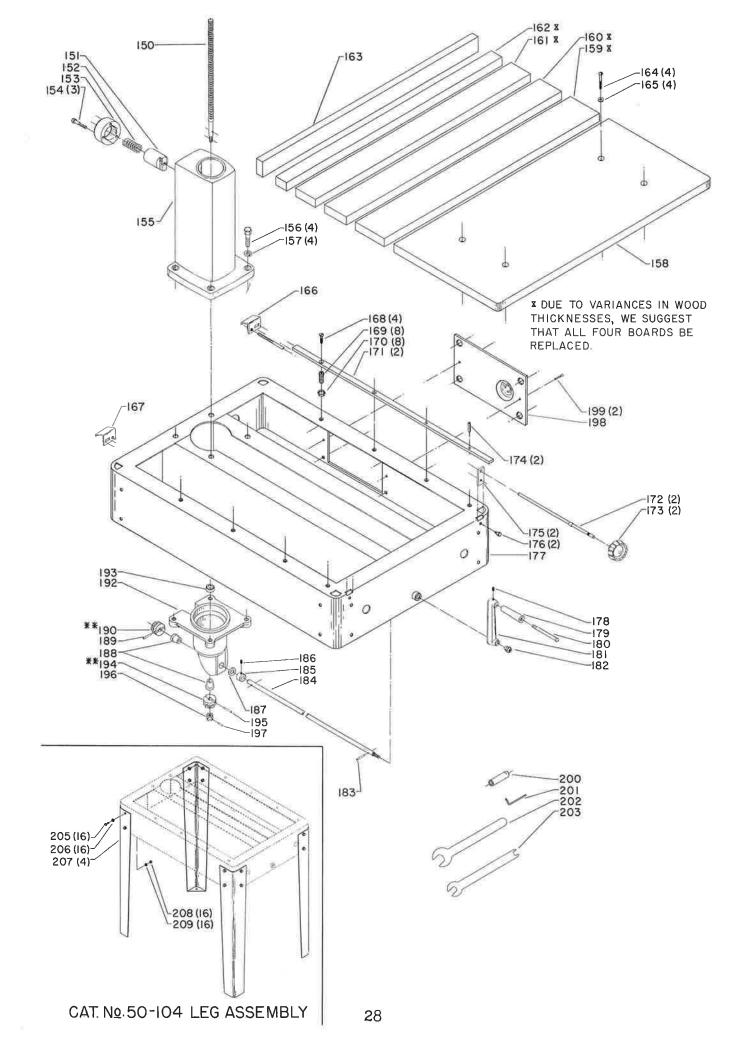
### **Replacement Parts**

| *********** |                 |  |             |                 |                                |  |  |  |
|-------------|-----------------|--|-------------|-----------------|--------------------------------|--|--|--|
| Ref.        | Part            | Description                              | Ref.        | Part            | Description                    |  |  |  |
| No.         | No.             |  | No.         | No.             |                                |  |  |  |
| 1           | 901-02-010-7562 | #10-32 x 5/16" Rd. Hd. Screw             | 46          | SP-718          | 5/16-18 x 1/2" Fil, Hd, Screw  |  |  |  |
| 2           | 424-02-031-0030 | Index Cover                              | 47          | 904-07-081-6237 | Rubber Washer                  |  |  |  |
| 3           | 424-02-112-0013 | Special Screw                            | <b>4</b> 8  | 424-02-108-0012 | Rod                            |  |  |  |
| 4           | 424-02-088-0005 | Stop                                     | 49          | SP-5435         | 5/16-18 Hex. Jam Nut           |  |  |  |
| 5           | 901-04-161-9252 | 1/4-28 x 1/2" Nylok Soc. Set Scr.        | 50          | 424-02-105-0002 | Sleeve                         |  |  |  |
| 7           | 424-02-030-0004 | Index Column                             | 51          | SP-2729         | 3/16 x 1/2" Roll Pin           |  |  |  |
| 8           | 424-02-017-0332 | Bushing                                  | 52          | SP-1705         | 1/2" Split Lock Washer         |  |  |  |
| 9           | 424-02-071-0009 | Pin                                      | 53          | SP-616          | 1/2-13 x 1-1/2" Hex. Hd. Screw |  |  |  |
| 10          | 928-01-251-8372 | Spring                                   | 55          | 905-02-011-8145 | 3/8 x 1-1/2" Groove Pin        |  |  |  |
| 11          | 424-02-071-0016 | Pin                                      | 56          | 424-02-030-0003 | Column                         |  |  |  |
| 12          | SP-2729         | 3/16 x 1/2" Roll Pin                     | 57          | 424-02-035-0001 | Cylinder                       |  |  |  |
| 13          | 424-02-004-0014 | Bar                                      | 58          | SP-3350         | 5/16-18 x 1/2" Soc. Hd. Screw  |  |  |  |
| 16          | SP-558          | #8-32 x 1/4" Rd. Hd. Screw               | 300         | SP-2480         | Box Connector                  |  |  |  |
| 17          | MK-5916         | Support Cover                            | 301-        | 904-07-011-8401 | 7/8 L.D. x 1-1/8 O.D. x 1/16"  |  |  |  |
| 18          | SP-648          | 3/8-16 x 1-1/4" Hex. Hd. Screw           |             |                 | Fiber Washer                   |  |  |  |
| 19          | SP-1704         | 3/8" Split Lockwasher                    | 302         | 438-01-011-0036 | Insulating Paper               |  |  |  |
| 20          | 424-02-089-0014 | Support                                  | •           | 424-02-331-0021 | Cover - Manual Control         |  |  |  |
| 21          | 438-01-009-0040 | Fitting                                  | 303         | SP-1788         | #6 External Tooth Lock Washer  |  |  |  |
| 22          | HBS-843         | Spacer                                   | 304         | 424-02-109-0001 | Spacer                         |  |  |  |
| 23          | SP-614          | 1/4-20 x 1-1/4" Hex. Hd. Screw           | 305         | 438-01-017-0084 | Switch - Manual Control        |  |  |  |
| 24          | SP-6846         | 1/4 x 1" Groove Pin                      | 306         | SP-1215         | #6-32 Hex. Nut                 |  |  |  |
| 26          | 961-01-010-7494 | Plug                                     | 307         | SP-588          | #6-32 x 3/4" Rd, Hd, Screw     |  |  |  |
| 27          | 901-01-101-9846 | 5/16-18 x 4-1/4" Hd. Screw               | <b>30</b> 8 | 424-02-368-0002 | Lock w/Two Keys                |  |  |  |
| 28          | 424-02-027-0010 | <b>Cla</b> mp                            | 309         | 424-02-031-0031 | Switch Cover                   |  |  |  |
| 29          | 424-02-107-0001 | Hub                                      | •           | 424-02-331-0020 | Cover - Magnetic Control       |  |  |  |
| 30          | SP-115          | 5/16-18 x 1-1/4" Hdless Set Screw        | 303         | SP-1788         | #6 External Tooth Lock Washer  |  |  |  |
| 31          | 931-01-072-0453 | Handle                                   | 304         | 424-02-109-0001 | Spacer                         |  |  |  |
| 32          | 424-02-071-0017 | Pi <b>n</b>                              | 305         | 438-01-017-0085 | Switch - Magnetic Control      |  |  |  |
| 33          | 951-01-021-7019 | Pointer                                  | 306         | SP-1215         | #6-32 Hex. Nut                 |  |  |  |
| 36          | 928-01-601-8873 | Spring                                   | 307         | SP-588          | #6-32 x 3/4" Rd, Hd, Screw     |  |  |  |
| 37          | SP-718          | 5/16-18 x 1/2" Fil. Hd. Screw            | <b>30</b> 8 | 424-02-368-0002 | Lock w/Two Keys                |  |  |  |
| <b>3</b> 8  | 904-07-081-6237 | Rubber Washer                            | <b>30</b> 9 | 424-02-031-0031 | Switch Cover                   |  |  |  |
| 39          | 424-02-031-0027 | Rear Cover                               | 310         | SP-558          | #8-32 x 1/4" Rd, Hd, Screw     |  |  |  |
| 40          | 951-02-011-8282 | Rip Scale                                | 311         | 438-01-004-0030 | Clamp (use with 1 Phase Motor) |  |  |  |
| 41          | 901-02-160-3729 | #8-32 x 1/4" Pan Hd. Screw               | 311         | 438-01-009-0045 | Clamp (use with 3 Phase Motor) |  |  |  |
| 42          | 424-02-055-0010 | Guid <b>e</b>                            | 312         | SP-509          | 1/4-20 x 1/2" Rd. Hd. Screw    |  |  |  |
| 43          | 424-02-331-0013 | Front Cover, Including:                  | 313         | SP-558          | #8-32 x 1/4" Rd. Hd. Screw     |  |  |  |
| 44          | 910-01-071-0132 | H <b>eyc</b> o B <b>us</b> hi <b>n</b> g | 314         | 424-02-031-0032 | Bottom Cover                   |  |  |  |
| 45          | 931-01-042-0455 | Knob                                     |             |                 |                                |  |  |  |



Replacement Parts

|            | Replacement Parts        |                                   |             |                      |                                   |  |  |  |
|------------|--------------------------|-----------------------------------|-------------|----------------------|-----------------------------------|--|--|--|
| Ref.       | Part                     | Description                       | Ref.        | Part                 | Description                       |  |  |  |
| No.        | No.                      |                                   | No.         | No.                  |                                   |  |  |  |
| 60         | 424-02-388-0019          | Stop Assembly, Including:         | 106         | 424-02-111-0008      | Stud                              |  |  |  |
| 61         | MK-5516                  | Spring                            | 107         | 904-03-010-6676      | Spring Washer                     |  |  |  |
| 62         | 931-01-062-0454          | Knob                              | 108         | SBS-55               | Washer                            |  |  |  |
| 63         | SP-649                   | 5/16-18 x 1* Hex. Hd. Screw       | 109         | 424-02-107-0002      | Hub                               |  |  |  |
| 64         | SP-1620                  | 11/32 x 11/16 x 1/16" Washer      | 110         | SP-115               | 5/16-18 x 1-1/4" Headless Set Sci |  |  |  |
| 65         | 902-01-161-7838          | 3/4" - 16 Slotted Nut             | 111         | 931-01-072-0453      | Handle                            |  |  |  |
| 66         | 9 <b>04-01-031-574</b> 9 | Special Washer                    | •           | 424-02-355-0015      | Guide Assembly, Consisting of:    |  |  |  |
| 67         | MG-127                   | Stud                              | 112         | 424-02-004-0015      | Lever                             |  |  |  |
| 68         | 424-02-111-0010          | Stud                              | 113         | 424-02-071-0012      | Pin                               |  |  |  |
| 69         | 920-04-011-8088          | Bearing                           | 114         | 424-02-355-0013      | Guide Assembly, Including         |  |  |  |
| 70         | SP-569                   | #8-32 x 5/16" Rd. Hd. Screw       | 115         | BM-23                | Special Hex Nut                   |  |  |  |
| 71         | MG-180                   | Knob                              | 116         | SP-1620              | 11/32 x 11/16 x 1/16" Washer      |  |  |  |
| 72         | 424-02-112-0011          | Screw                             | 117         | SP-609               | 5/16-18 x 1-1/2" Hex. Hd. Screw   |  |  |  |
| 73         | 424-02-027-0014          | Outer Clamp                       | 118         | 931-01-062-0454      | Knob                              |  |  |  |
| 74         | 424-02-027-0011          | Inner Clamp                       | 119         | MH-3493              | Spring                            |  |  |  |
| <b>7</b> 5 | 951-01-021-7018          | Rip Scale Pointer                 | 120         | SP-1620              | 11/32 x 11/16 x 1/16" Washer      |  |  |  |
| 76         | SP-202                   | 1/4-20 x 1/2" Soc. Set Screw      | 121         | Cat. #33-593         | Complete Guard, Including:        |  |  |  |
| 77         | M <b>J-423</b> 2         | Rubber Bumper                     | 122         | TAB-175              | Bumper                            |  |  |  |
| <b>7</b> 8 | SP-1703                  | 5/16" Split Lockwasher            | 123         | SP-2250              | #4 x 3/16" Drive Screw            |  |  |  |
| <b>7</b> 9 | SP-1206                  | 5/16" -24 Hex, Nut                | 124         | 960-02-012-0038      | Nameplate                         |  |  |  |
| 80         | 424-02-057-0003          | Ro <b>ller</b> Head               | 125         | 960-04-012-0031      | Caution Plate                     |  |  |  |
| 81         | 424-02-111-0009          | Stud                              | 126         | SP-1505              | 1/4-20 x 1/2" Thumb Screw         |  |  |  |
| 82         | SP-2106                  | 1/8 x 1-1/4" Cotter Pin           | 127         | 424-02-408-0015      | Anti-Kick Back Rod, Including     |  |  |  |
| 83         | SP-2606                  | Hi-Pro Key                        | 128         | 424-01-071-0015      | Pin                               |  |  |  |
| 85         | 931-01-072-0453          | Handle                            | 129         | MK-5904              | Finger                            |  |  |  |
| 86         | 424-02-111-0012          | Stud                              | 130         | 904-15-062-0269      | Retaining Ring                    |  |  |  |
| 87         | MH-3187                  | Clamp                             | 131         | MH-3169              | Dust Chute                        |  |  |  |
| 88         | 901-01-060-5784          | 1/4-20 x 1-1/2" Hex. Hd. Screw    | <b>13</b> 2 | 424-01-371-0016      | Brake Shoe w/Stud                 |  |  |  |
| 89         | SP-1614                  | 9/32 x 5/8 x 1/16" Washer         | 133         | 928-01-101-8899      | Spring                            |  |  |  |
| 90         | 424-02-102-0004          | Yoke                              | 134         | 905-01-010-2717      | Pin                               |  |  |  |
| 91         | MG-117                   | Trunnion Cover                    | 135         | 424-01-111-0004      | Handle                            |  |  |  |
| 92         | 901-02-160-3729          | #8-32 x 1/4" Pan Hd. Screw        | 136         | SP-3606              | Knob                              |  |  |  |
| 93         | 951-02-011-8281          | Dial                              | 137         | MH <b>-344</b> 6     | Stud for Guard                    |  |  |  |
| 94         | SP-2252                  | #2 x 3/16" Drive Screw            | 138         | MH-3452              | Flange                            |  |  |  |
| 95         | 424-02-095-0005          | Front Trunnion                    | 139         | Cat. #33-197         | 12" Blade                         |  |  |  |
| 96         | SP-770                   | 5/16 x 18 x 1-1/4" Soc. Hd. Screw | 140         | MH-3317              | Arbor Nut                         |  |  |  |
| 97         | 424-02-071-0018          | Pin                               | 141         | SP-1752              | 5/16 Int. Tooth Lockwasher        |  |  |  |
| 98         | SP-753                   | 1/2-13 x 1-1/4" Soc. Hd. Screw    | •           | Cat. #33-594         | Leat Guard, Consisting of:        |  |  |  |
| 100        | 424-02-071-0013          | Pin                               | 142         | мн-3803              | Extension Screw                   |  |  |  |
| 101        | 901-02-160-3729          | #8-32 x 1/4" Pan Hd. Screw        | 143         | SP-1029              | 1/4"-20 Hex. Nut                  |  |  |  |
| 102        | 951-01-021-7017          | Pointer                           | 144         | SP-1702              | 1/4" Split Lockwasher             |  |  |  |
| 103        | 931-01-132-0475          | Knob                              | 145         | MH-3483              | Leaf Guard                        |  |  |  |
| L04        | SP-2956                  | Pal Nut                           | 146         | MH <b>-34</b> 84     | Stud                              |  |  |  |
| 105        | 424-02-017-0008          | Threaded Bushing                  |             | 74111_O.4O.4         | Stud                              |  |  |  |
|            |                          | 0                                 | •           | Not shown assembled. |                                   |  |  |  |



#### Replacement Parts

| Ref.        | Part             | Description                     | Ref. | Part            | Description                   |
|-------------|------------------|---------------------------------|------|-----------------|-------------------------------|
| No.         | No.              |                                 | No.  | No.             | •                             |
| 150         | 424-02-112-0010  | Screw                           | 180  | 424-02-071-0015 | Pin                           |
| 151         | 424-02-074-0002  | Plug                            | 181  | 424-02-033-0004 | Crank                         |
| 152         | 928-01-201-8869  | Spring                          | 182  | 424-02-079-0007 | Special Retainer              |
| 153         | 424-02-031-0025  | Column Base Cover               | 183  | 905-04-091-7956 | Shear Pin                     |
| 154         | SP-609           | 5/16-18 x 1-1/2" Hex, Hd, Screw | 184  | 424-02-108-0013 | Rod                           |
| 155         | 424-02-005-0008  | Column Base                     | 185  | SDP-34-S        | Collar, Including:            |
| 156         | SP-616           | 1/2-13 x 1-1/2" Hex. Hd. Screw  | 186  | SP-208          | 1/4-20 x 1/4" Soc. Set Screw  |
| 157         | SP-1705          | 1/2" Split Lock Washer          | 187  | DSS-36          | Fiber Washer                  |
| •           | 424-02-311-0002  | Table Board Assembly,           | 188  | 424-02-017-0003 | Bushing                       |
|             |                  | Consisting of:                  | 189  | SP-2732         | 5/32 x 1" Roll Pin            |
| 158         | 424-02-011-0018  | Front Board ••                  |      | 424-02-051-0008 | Gear                          |
| 159         | MH <b>-304</b> 9 | Board                           | 192  | 424-02-013-0001 | Gear Box                      |
| 160         | MH-3050          | Board                           | 193  | SP-5323         | Bearing                       |
| 161         | MH-3051          | Board                           |      | 424-02-051-0008 | Gear                          |
| 162         | MH-3052          | Board                           | 195  | SP-2732         | 5/32 x 1" Roll Pin            |
| 163         | MH-3053          | Fence                           | 196  | 902-01-161-7837 | Slotted Nut                   |
| 164         | SP-536           | 1/4-20 x 1-3/4" Rd. Hd. Screw   | 197  | SP-5073         | 3/32 x 9/16" Roll Pin         |
| 165         | SP-1614          | 9/32 x 5/8 x 1/16" Washer       | 198  | 1086740         | Starter Box Cover             |
| 166         | MG-187-S         | Clamp Pad- R. H.                | 199  | 0908460         | #8-32 x 3/4" Pan Hd.          |
| 167         | MG-188-S         | Clamp Pad- L. H.                | -00  | 0000100         | Th'd, Forming Scr.            |
| 168         | SP-406           | 1/4-20 x 3/4" Flat Hd. Screw    | 200  | 424-02-012-0006 | Wrench                        |
| 169         | MG-162           | Leveling Screw                  | 201  | Cat, #1534      | 1/8" Hex. Soc. Wrench         |
| 170         | SP-2956          | Pal Nut                         | 202  | MH-3318         | Arbor Nut Wrench              |
| 171         | 424-02-004-0013  | Bar                             | 203  | MG-164          | 1/2" Hex. Wrench              |
| 172         | 424-02-408-0009  | Rod Assembly                    | 200  | Cat. #50-104    | Leg Assembly, Consisting of:  |
| 173         | 931-02-011-9037  | Handle                          | 205  | SP-607          | 5/16-18 x 3/4" Hex. Hd. Screv |
| 174         | SP-2720          | 1/4 x 1" Roll Pin               | 206  | SP-1620         | 11/32 x 11/16 x 1/16" Washer  |
| <b>17</b> 5 | 424-02-089-0009  | Support                         | 207  | 424-02-366-0005 | Leg Assembly                  |
| 176         | SP-601           | 1/4-20 x 3/8" Hex. Hd. Scr.     | 208  | SP-1300         | 5/16"-18 Hex, Nut             |
| 177         | 424-02-305-0016  | Base                            | 209  | SP-1703         |                               |
| <b>17</b> 8 | SP-208           | 1/4-20 x 1/4" Soc. Set Screw    | 400  | OL _T 100       | 5/16" Split Lock Washer       |
| 179         | 931-01-051-6381  | Handle                          |      |                 |                               |

Not Shown Assembled

When replacing either one of the old style metal elevating gears it will be necessary to replace both gears, Ref. No. 190 and Ref. No. 194 now made of Delrin Plastic, as both gears must be of the same material.

# RECOMMENDED SAFETY ENGINEERED GUARDS FOR ALL ROCKWELL INDUSTRIAL MACHINES

| RUCKWELL INDUSTRIAL MINUTINES         |          |  |  |  |  |
|---------------------------------------|----------|--|--|--|--|
| TOOLS                                 |          | GUARDS                                     |  |  |  |
| BAND SAWS                             |          |  |  |  |  |
| 28-200, 28-300 14" Band Saws          | 28-883   | Belt Guard                                 |  |  |  |
|                                       |          |  |  |  |  |
| CIRCULAR SAWS                         |          |  |  |  |  |
| 34-395 12'' - 14'' Tilting Arbor Saw  | 34-937   | Uniguard                                   |  |  |  |
| 34-395 12'' - 14'' Tilting Arbor Saw  | 34-936   | Supersafe Guard                            |  |  |  |
| 34-466 10'' Unisaw                    | 34-885   | Uniguard                                   |  |  |  |
| 34-466 10'' Unisaw                    | 34-639   | Splitter Mounted Blade Guard               |  |  |  |
| 34-426 10" Tilting Arbor Saw          | 34-886   | Belt Guard                                 |  |  |  |
| 34-426 10" Tilting Arbor Saw          | 34-641   | Blade Guard                                |  |  |  |
| 34-643 9" Tilting Arbor Saw           | 34-965   | Belt and Pulley Guard                      |  |  |  |
| 34-643 9" Tilting Arbor Saw           | 34-636   | Blade Guard                                |  |  |  |
| 34-300 10" Motorized Saw              | 34-638   | Blade Guard                                |  |  |  |
| 34-625 9'' Motorized Saw              | 34-638   | Blade Guard                                |  |  |  |
| DRILL PRESSES                         |          |  |  |  |  |
| 15-470 15" Variable Speed Drill Press | 15-846   | Belt Guard - Top Cover Plate               |  |  |  |
| 15-490 15" Step Pulley Drill Press    | 15-825   | Full Belt and Pulley Guard                 |  |  |  |
|                                       |          |  |  |  |  |
| FINISHING MACHINES                    | I        |  |  |  |  |
| 31-520 6'' Belt Grinder               | 31-141   | Belt Guard for Open Stand                  |  |  |  |
| GRINDERS                              | 1        |  |  |  |  |
| 24-151 TG-3 Toolmaker Grinder         | 24-819   | Dust Collector Attachment                  |  |  |  |
| 23-200 & 23-136 7" & 10" Grinder      | 23-025   | Safety Shields                             |  |  |  |
| 23-200 7'' Grinder                    | 23-802   | Dust Collector Attachment                  |  |  |  |
| 23-136 10" Grinder                    | 23-803   | Dust Collector Attachment                  |  |  |  |
| 23-612 6'' Grinder                    | 23-800   | Eye Shields                                |  |  |  |
| 31-350 1'' Sander Grinder             | 31-361   | Arbor Pulley Guard                         |  |  |  |
| 31-350 1'' Sander Grinder             | 31-366   | V-Pulley and Belt Guard                    |  |  |  |
| JOINTER                               | 1        |  |  |  |  |
| 37-220 6'' Deluxe Jointer             | 37-807   | Rear Safety Knife Guard                    |  |  |  |
| 37-220 6" Deluxe Jointer              | 37-661   | Belt Guard                                 |  |  |  |
|                                       |          |  |  |  |  |
| PLANERS                               | 00 504   | Obovinal Lood                              |  |  |  |
| 22-503 24" x 9" Planer                | 22-501   | Shaving Hood                               |  |  |  |
| 22-212 18" x 6" Planer                | 22-801   | Shaving Hood                               |  |  |  |
| 22-401 13'' x 6'' Planer              | 22-422   | Shaving Hood                               |  |  |  |
| RADIAL SAWS                           | 1        |  |  |  |  |
| 33-345 18'' Radial Saw                | 33-471   | Retractable Leaf Guard                     |  |  |  |
| 33-345 18'' Radial Saw                | 33-543   | Blade Guard                                |  |  |  |
| 33-345 18'' Radial Saw                | 33-550   | Safety Return Attachment                   |  |  |  |
| 33-345 18'' Radial Saw                | 33-446   | Retractable Leaf Guard for 20" Blade Guard |  |  |  |
| 33-345 18'' Radial Saw                | 33-543   | 20'' Blade Guard                           |  |  |  |
| 33-729 16'' Radial Saw                | 33-450   | Retractable Leaf Guard                     |  |  |  |
| 33-729 16'' Radial Saw                | MK-5592S | Blade Guard                                |  |  |  |
| 33-729 16'' Radial Saw                | 33-549   | Safety Return Attachment                   |  |  |  |
|                                       | 1        |  |  |  |  |

| T        | 00LS                   | GU              | ARDS                     |
|----------|------------------------|-----------------|--------------------------|
| RADIAL S | SAWS - Continued       |                 |                          |
| 33-728   | 14" Radial Saw         | 33-449          | Retractable Leaf Guard   |
| 33-728   | 14'' Radial Saw        | 424-03-354-0010 | Blade Guard              |
| 33-728   | 14" Radial Saw         | 33-549          | Safety Return Attachment |
| 33-487   | 12'' Radial Saw        | 33-594          | Retractable Leaf Guard   |
| 33-487   | 12'' Radial Saw        | 33-593          | Blade Guard              |
| 33-267   | 10'' Radial Saw        | 33-448          | Retractable Leaf Guard   |
| 33-267   | 10" Radial Saw         | 33-941          | Blade Guard              |
| 33-267   | 10" Radial Saw         | 33-942          | Shaping Guard            |
| 33-285   | 9'' Radial Saw         | 33-448          | Retractable Leaf Guard   |
| 33-285   | 9" Radial Saw          | 33-941          | Blade Guard              |
| SCROLL   | SAWS                   |                 |                          |
| 40-440   | 24" Scroll Saw         | 40-442          | Belt and Pulley Guard    |
| 40-440   | 24" Scroll Saw         | 40-203          | Belt and Pulley Guard    |
| SHAPERS  | S                      |                 |                          |
| 43-205   | Heavy Duty Wood Shaper | 43-830          | Fence Guard Assembly     |
| 43-205   | Heavy Duty Wood Shaper | 43-348          | Safety Ring Guard        |
| 43-110   | Light Duty Wood Shaper | 432-01-354-0001 | Pulley and Belt Guard    |
| 43-110   | Light Duty Wood Shaper | 43-817          | Ring Guard               |
| 43-502   | Overarm Router Shaper  | 43-517          | Spindle Nose Guard       |
| 43-502   | Overarm Router Shaper  | 43-817          | Ring Guard               |

#### YOUR ROCKWELL WARRANTY

Rockwell is proud of the quality of the power tools which it sells. The component parts of our tools are inspected at various stages of production, and each finished tool is subjected to a final inspection before it is placed in its specially designed carton to await shipment. Because of our confidence in our engineered quality, Rockwell agrees to repair or replace any part or parts of Rockwell Power Tools or Rockwell Power Tool Accessories which examination proves to be defective in workmanship or material. In order to take advantage of this guarantee, the complete portable power tool or accessory, or in the case of machinery, the part must be returned prepaid to the appropriate factory, Rockwell service center, or authorized service station for examination. This guarantee, of course, does not include repair or replacement required because of misuse, abuse, or normal wear and tear. Repairs made by other than our factory, service center, or authorized service station, relieves Rockwell of further liability under this guarantee. THIS GUARANTEE IS MADE EXPRESSLY IN PLACE OF ALL OTHER GUARANTEES OR WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO QUALITY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE.