



# Rockwell

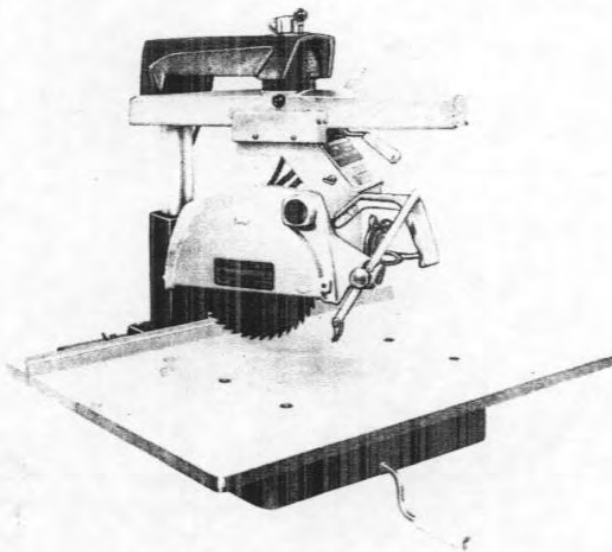
MANUFACTURING COMPANY

The Rockwell Building • Pittsburgh, Pa.

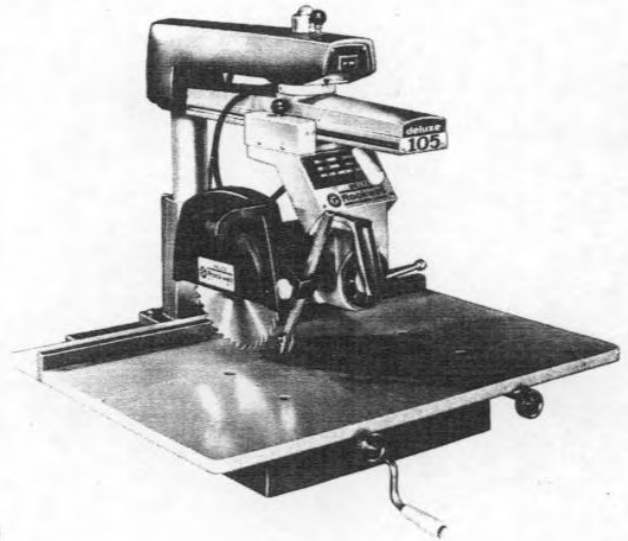
PM -424-08-651-0002

✓ DATED IM-9-1-65

## ROCKWELL-DELTA "PLUS 105" 9" RADIAL SAW "DELUXE 105" 10" RADIAL SAW



**"Plus 105"  
9" Radial Saw**



**"Deluxe 105"  
10" Radial Saw**

### 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 knowledge 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.

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.

The following instructions, unless otherwise stated, apply to both the "Plus 105" 9" Radial Saw and the "Deluxe 105" 10" Radial Saw.

## UNPACKING

1. After the carton is opened at the top, remove table boards, saw blade, guard and fillers from the carton.

2. Slit the carton along the sides at column end of the saw, as shown in Fig. 2. Then remove the saw from the carton by pulling it straight out.

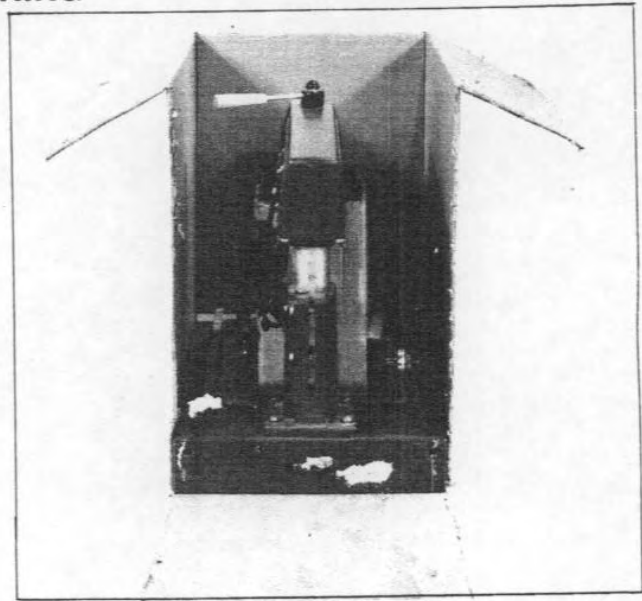


Fig. 2

## SETTING UP

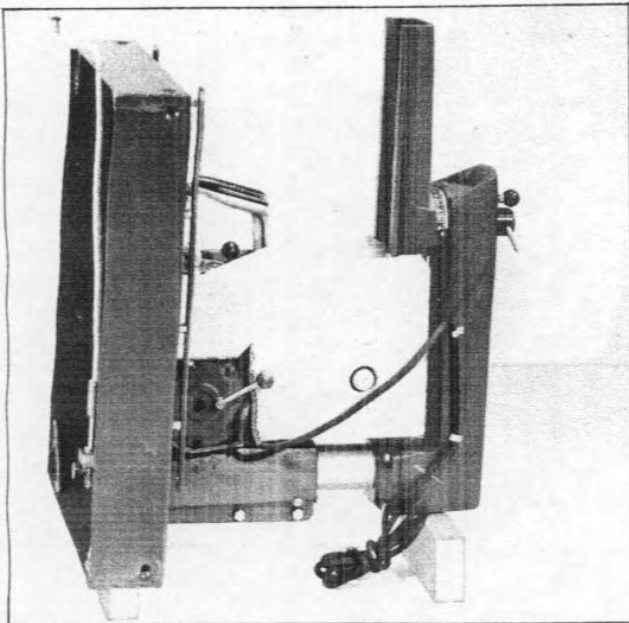


Fig. 3

### ASSEMBLING STEEL STAND

If you have purchased the Cat. #50-113 Steel stand or the Cat. #50-120 Cabinet Type Stand, assemble the stand to the saw at this point.

The following steps explain assembling the 50-113 Steel Stand to the Radial Saw.

1. Cut two pieces of 2 x 4's. One 8" long and one 12" long.

2. Tilt the saw on its back with the 12" long 2 x 4 under the base and the 8" long 2 x 4 under the overarm, as shown in Fig. 3.

3. Assemble the steel stand as shown in Fig. 4.



Fig. 4

4. Fasten the stand to the base of the saw, as shown in Fig. 5.

5. Assemble the caster attachment to the stand by following the instruction manual packed with the casters.

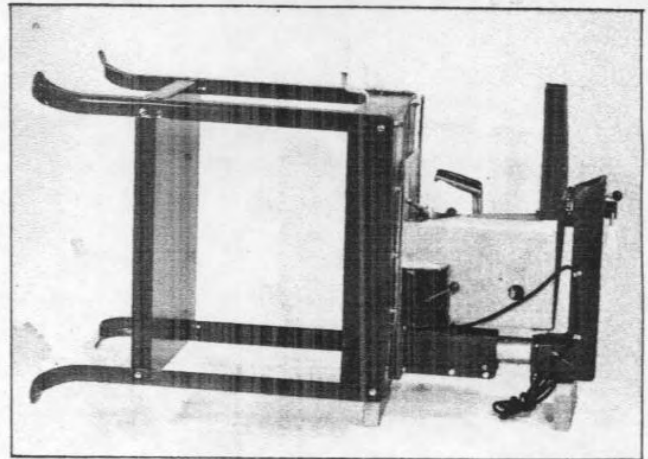


Fig. 5

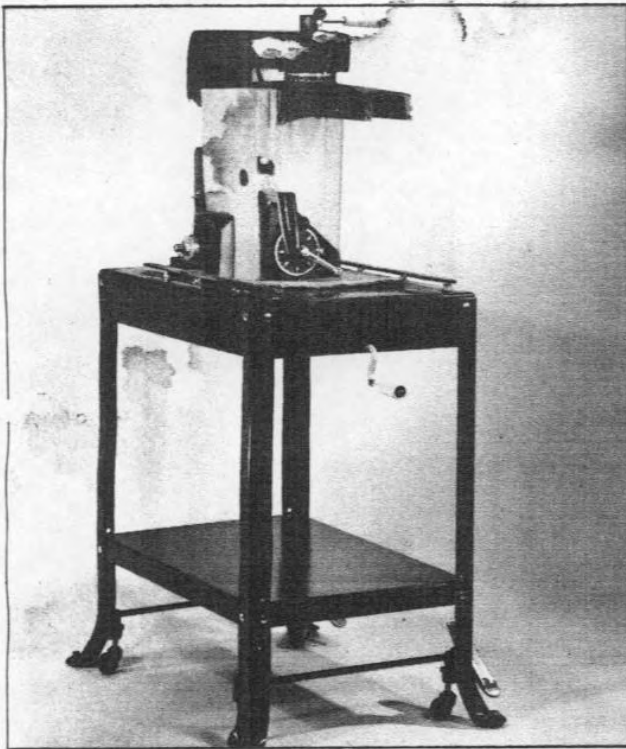


Fig. 6

6. Stand the machine straight up, as shown in Fig. 6, raise overarm and remove packing from around the motor.

### INSTALLING CUTTINGHEAD TO TRACK-ARM

1. Loosen track lock (A), pull out index knob (B), as shown in Fig. 7, and rotate track-arm 90 degrees to the right.

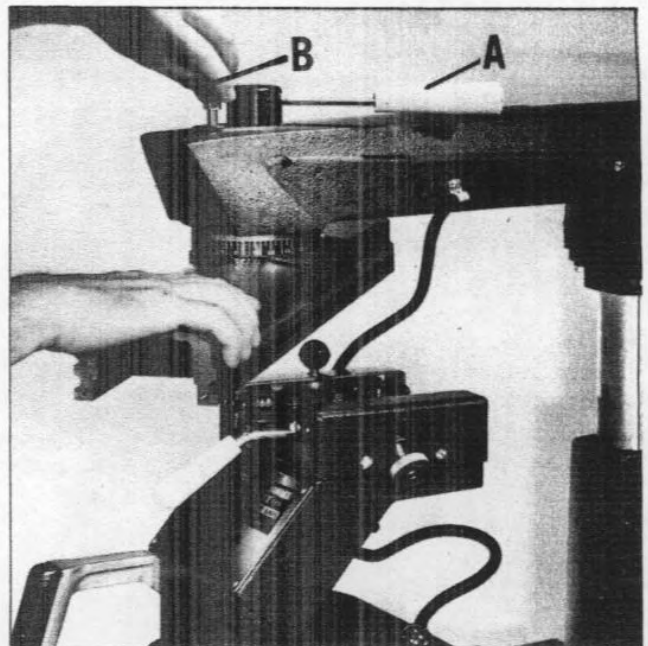


Fig. 7

2. Place the rip lock (A) Fig. 8, in position with jaws open and slip the cuttinghead in the track-arm as shown.

3. Attach front plate to track-arm with screws provided.

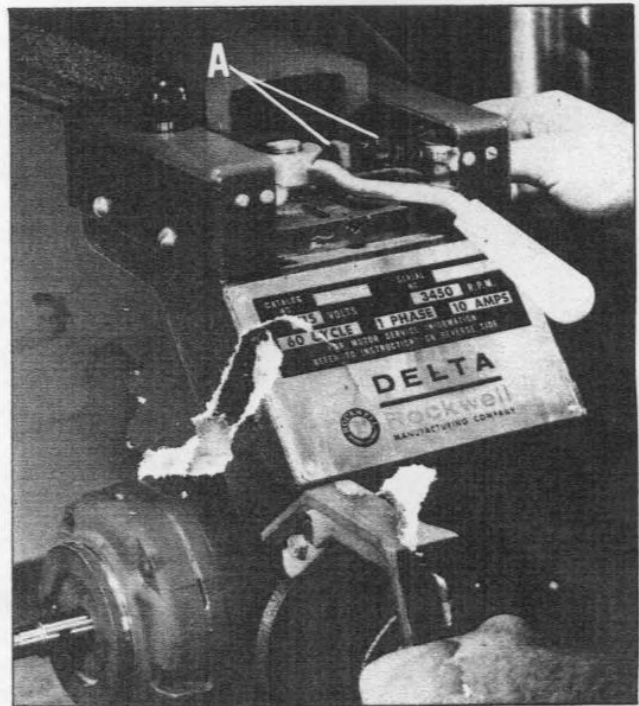


Fig. 8

## 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. 9.

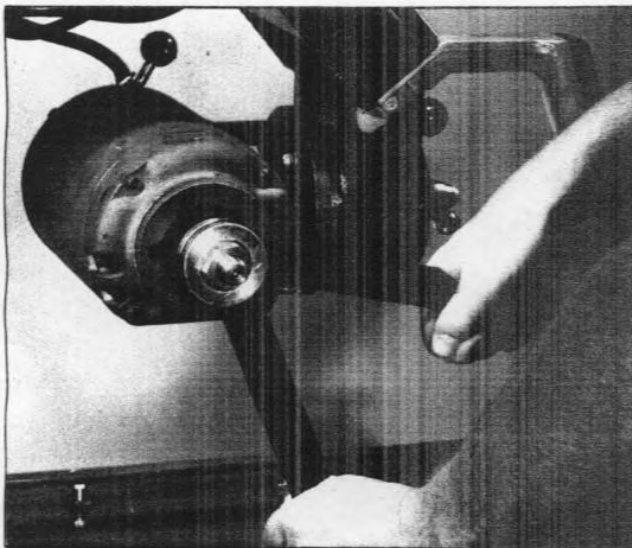


Fig. 9

2. Loosen "yoke swivel lock, (A)", pull out "swivel index (B)" Fig. 10, and place cuttinghead in rip position.

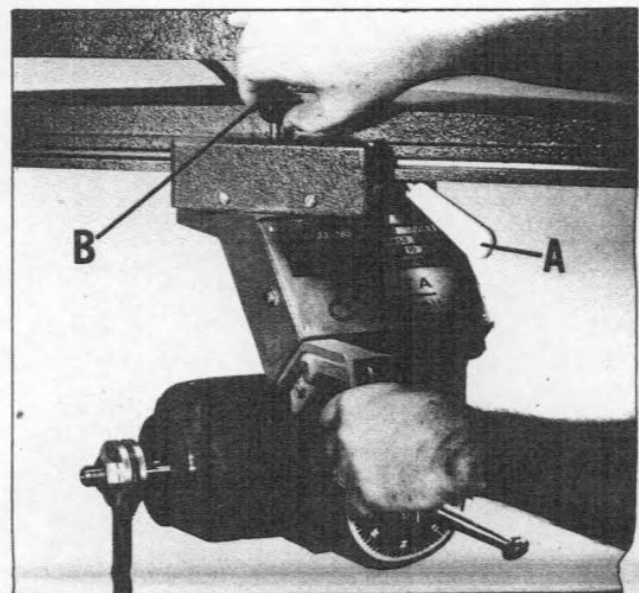


Fig. 10

3. Rotate track-arm, loosen rip lock and move cuttinghead to the rear of the track until the wrench is over the rear leveling screw, as shown in Fig. 11.

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

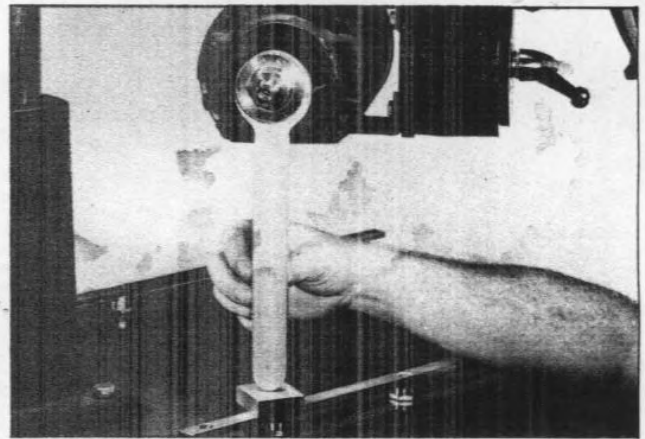


Fig. 11

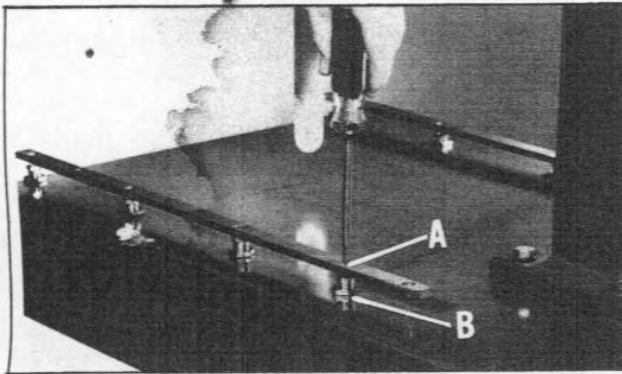


Fig. 12

5. Rotate the track-arm and, using the feeler gage, check the leveling strip at opposite rear corner.

6. If an adjustment is necessary, remove screw (A) and loosen locknut (B) Fig. 12.

7. Raise or lower the leveling strip by turning the leveling screw (A) until the wrench just touches the feeler gage, as shown in Fig. 13.

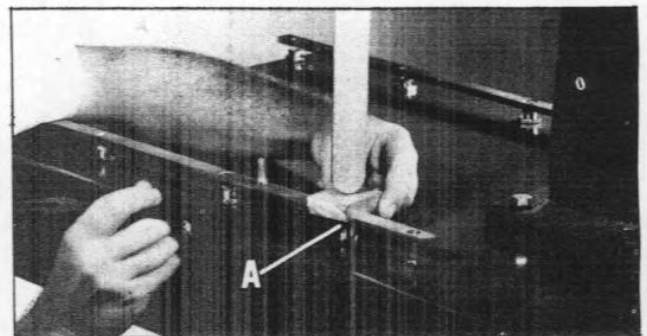


Fig. 13

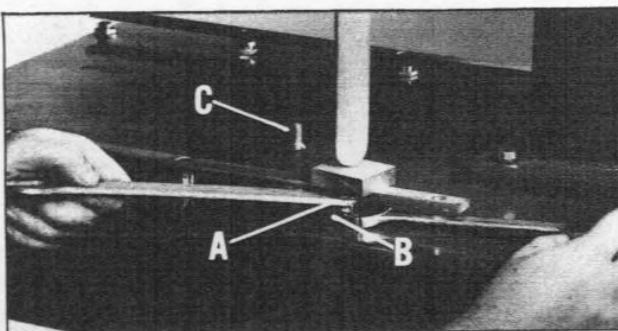


Fig. 14

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. 14. Then replace the screw (C).

9. Install leveling strips at the front corners, as shown in Fig. 15, and adjust if necessary. NOTE: It may be necessary to fasten the front table screws in the leveling strips in order to hold the front of the strips down.

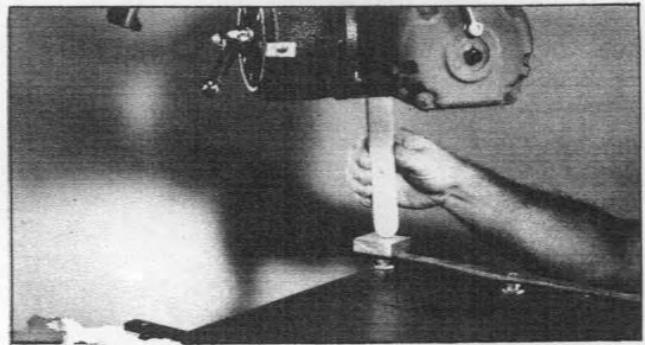


Fig. 15

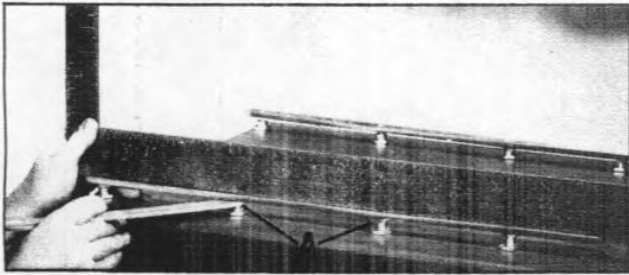


Fig. 16

10. Lay a straight edge on the leveling strips and adjust the center two screws (A) Fig. 16, if necessary. The front table screws can now be removed.

## INSTALLING TABLE BOARDS AND FENCE LOCK CLAMPS

STEPS 1 AND 2 PERTAIN TO THE "DELUXE 105" MODEL ONLY.

1. Slide clamp pads (C) Fig. 16-A, on the rear end of the leveling strips, as shown.
2. Insert clamp rods (A) Fig. 16-A, through the clamp supports (B) and screw into the clamp pad (C).

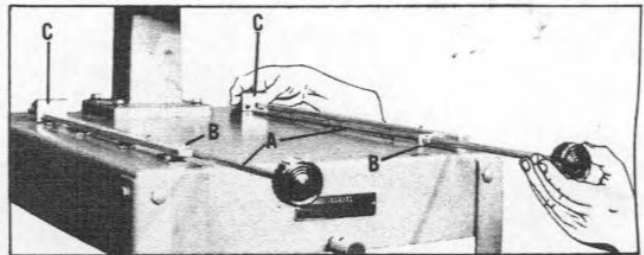


Fig. 16-A

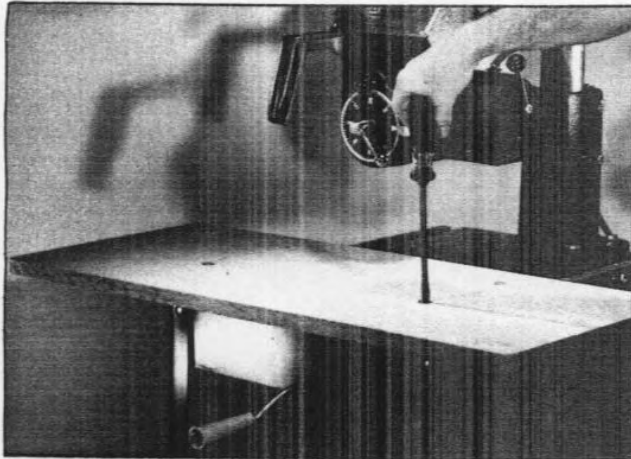


Fig. 17

STEPS 3, 4, AND 5 PERTAIN TO BOTH RADIAL SAW MODELS.

3. 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.
4. Fasten the main table board in place, using screws and washers provided, see Fig. 17.
5. Place the remaining loose boards and fence on the leveling strips.

STEP 6 PERTAINS TO THE "PLUS 105" MODEL ONLY.

6. Place the table board clamps (A) Fig. 18, in the holes provided in the rear of the base and tighten against the table boards.

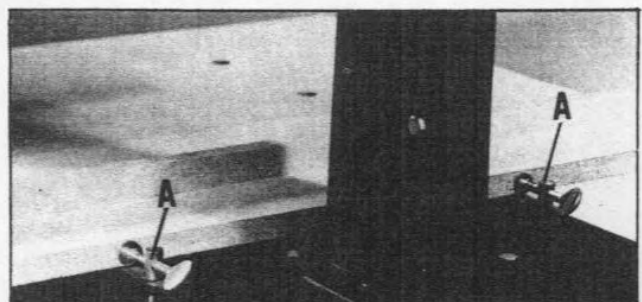


Fig. 18

## INSTALLING BLADE AND BLADE GUARD TO CUTTINGHEAD

1. 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. 19.
3. Tighten the arbor nut with *one* wrench while holding shaft steady with other wrench, as shown in Fig. 19.



Fig. 19

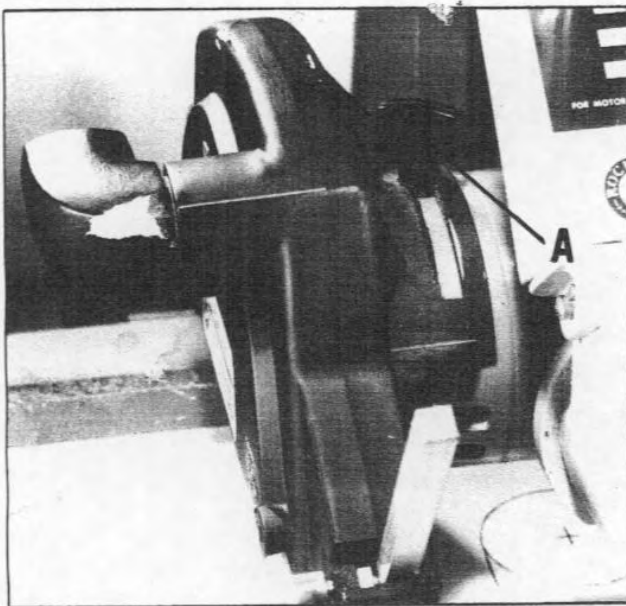


Fig. 20

4. Assemble the blade guard to the motor, as shown in Fig. 20, using hand knob (A). On the "Plus 105" model, a wing nut is used to hold the blade guard to the motor.

## OPERATING ADJUSTMENTS

### CAUTION

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

### ADJUSTING BLADE SQUARE WITH TABLE TOP

1. Remove the blade guard and place cutting-head 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.

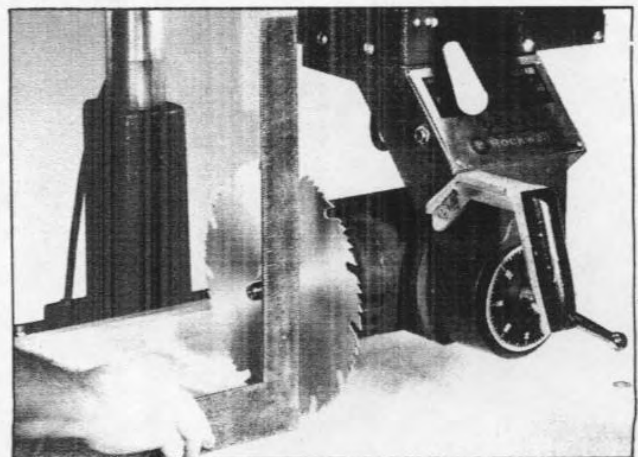


Fig. 21

3. If the blade is not square with the table, loosen the four bolts (A) Fig. 22, located on the motor and the motor bracket.

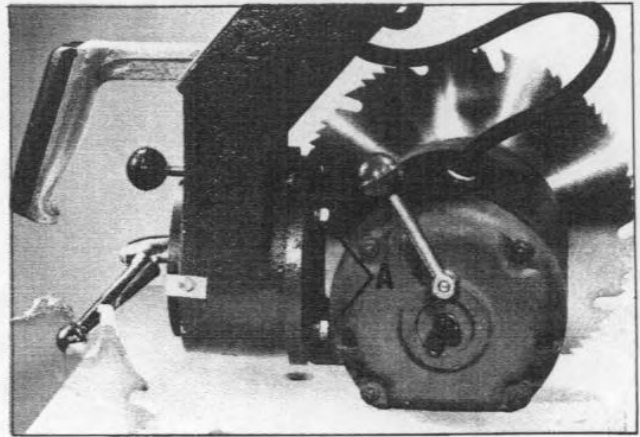


Fig. 22

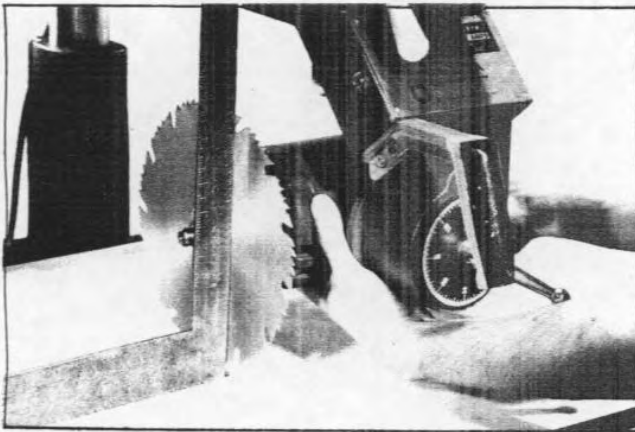


Fig. 23

4. Holding the cuttinghead with both hands, tilt the motor until the square is flush against the saw blade, as shown in Fig. 23.

5. When you are sure the blade is square with the table, tighten four bolts (A) Fig. 22.

6. Set the pointer to the zero mark on the bevel scale, and replace the blade guard.

## ADJUSTING RIP SCALE POINTERS (DELUXE 105 MODEL)

Two rip scale pointers are supplied with the Deluxe 105 Model Radial Saw, one for "in-rip" and the other for "out-rip". To adjust the pointers proceed as follows:

1. Place the cuttinghead in the "out-rip" position as shown in Fig. 24, and place the fence in the rear most position on the table.

2. Place a square against the fence, as shown in Fig. 24, and move the cuttinghead until the blade is on the 24" mark on the square. Then lock the cuttinghead in place.

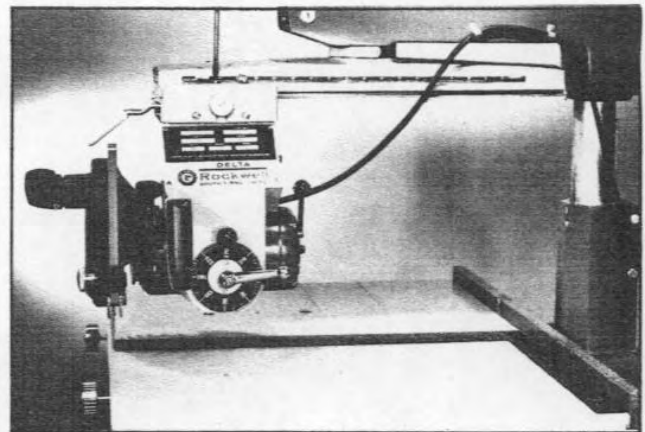


Fig. 24

3. Adjust the left hand pointer, so that it points to the 24" mark on the "out-rip" portion of the rip scale.

4. Next place the cuttinghead in the "in-rip" position, as shown in Fig. 24-A, and place the fence between the table boards, as shown in Fig. 24-A.

5. Move the cuttinghead until the saw blade is flush against the fence and adjust the right hand pointer so that it points to the "0" mark on the "in-rip" portion of the rip scale, as shown in Fig. 24-A.

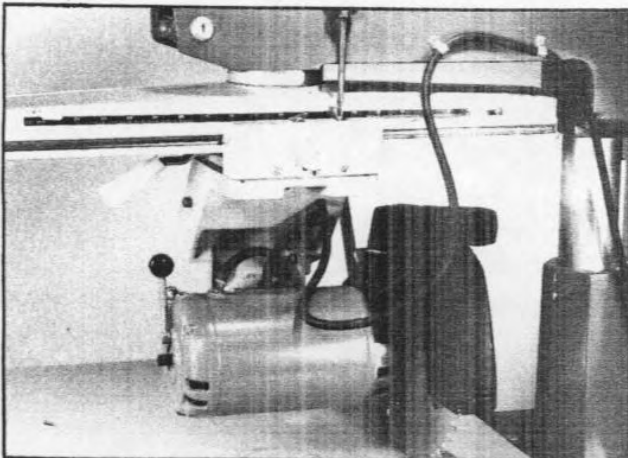


Fig. 24-A



## ADJUSTING SAW TRAVEL SQUARE WITH FENCE

Your Radial Saw is equipped with exclusive "Micro-Set" Miter Stops. This feature makes it possible to produce accurate miter cuts and perfectly square cross cuts at all times by individual adjustment of the three stop positions. These stops are accurately adjusted at the factory, however, future adjustments can be made if necessary.

To check and adjust, proceed as follows:

1. Remove saw guard and blade from the cuttinghead and insert wrench in place of blade, as shown in Fig. 25.
2. Place a steel square against fence, as shown in Fig. 25, and pull cuttinghead along square. If the cuttinghead does not travel parallel to the square, the following adjustment is necessary.
3. Slightly loosen track-arm clamp handle (A) Fig. 25.

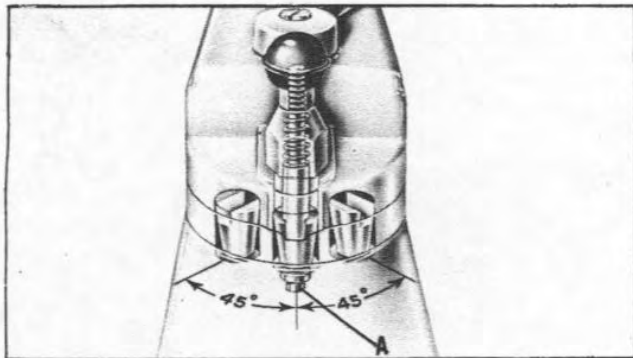


Fig. 25-A

5. Rap the center cap screw (A) Fig. 26, sharply upwards, using a soft hammer (B) or a block of wood. This loosens a concealed tapered plug set in the track-arm that is attached to the cap screw (A).



Fig. 25

4. Locate center cap screw (A) Fig. 26, located under center of track-arm, and loosen slightly using an allen wrench. This center cap screw is also shown in Fig. 25-A.

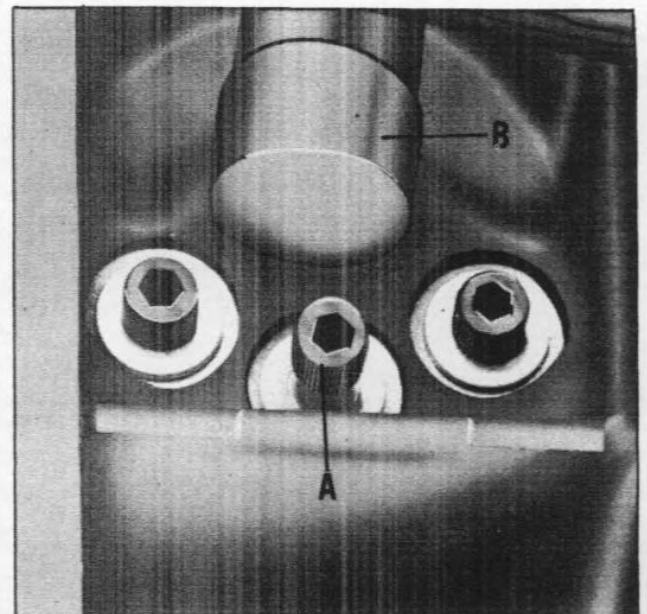


Fig. 26

6. Place a wrench on hex nut (A) Fig. 27 and turn slightly to one side. **CAUTION: DO NOT ROTATE NUT (A) COMPLETELY. THE NUT WILL ONLY ROTATE 15 DEGREES RIGHT OR LEFT. FORCING THE NUT WILL CAUSE THE PLUNGER TO "FREEZE" IN THE HOUSING.** The entire track will move as the nut is turned.

7. When the saw travel is square with the fence tighten track-arm clamp handle (B) Fig. 27, to hold the adjustment. Then tighten cap screw (A) Fig. 26.

8. Check pointer (C) Fig. 27 and adjust to zero if necessary.

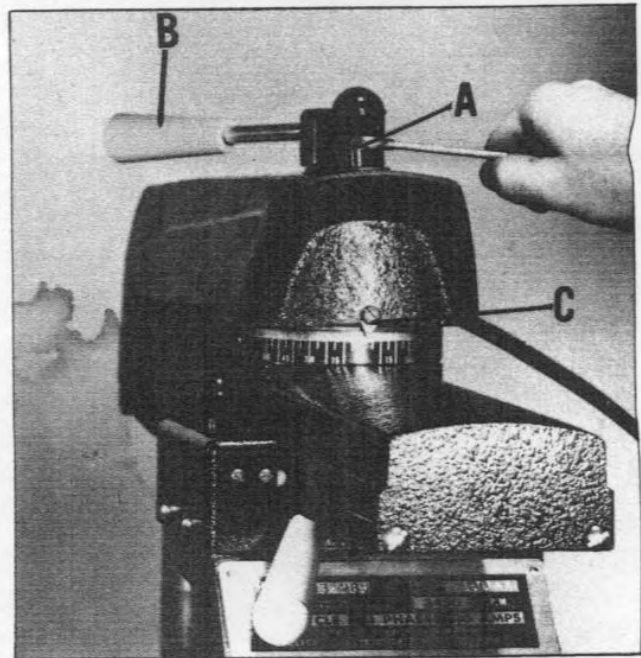


Fig. 27

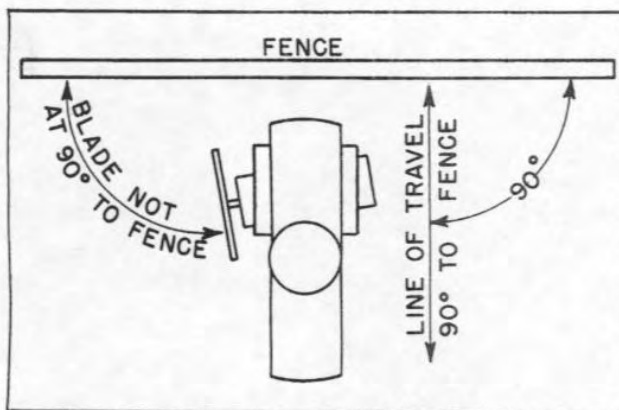


Fig. 28

## 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. 28. This condition is "heeling".

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. 29.

2. Using three pieces of 2 x 4's place them on the table, as shown. Lay a square on the 2 x 4's with one end of the square against the plywood fence, and the other end against the saw blade, as shown in Fig. 29.

3. If the blade is not parallel to the square, loosen yoke clamping handle (A) and remove the bearing cover (B) by removing two screws (C) Fig. 29.

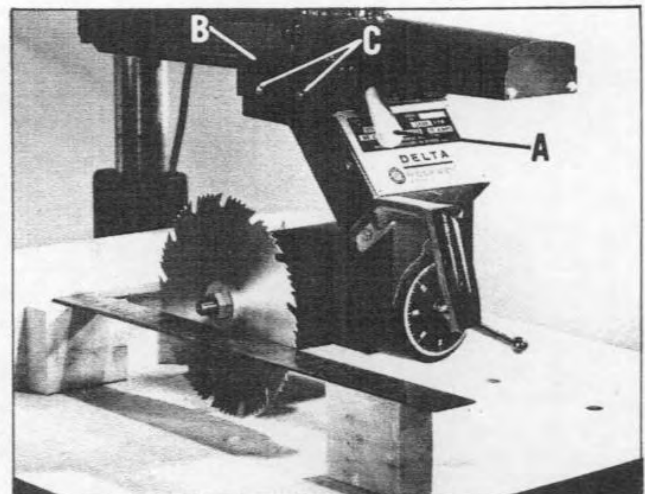


Fig. 29

4. Loosen two screws (A) Fig. 30, and swivel the yoke until the saw blade is parallel with the square. Then tighten yoke clamping handle and two screws (A) Fig. 30.

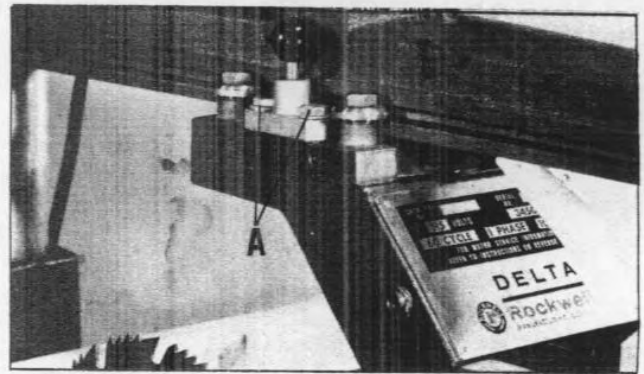


Fig. 30

## 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-arm 90 degrees to the right.
2. Remove the plate from the front of the track-arm, and remove the cuttinghead from the track-arm.
3. Adjust the yoke clamping handle (A) Fig. 31, by tightening the nut located on the bottom of the stud (B). Tighten this nut until the yoke clamping handle locks in a convenient position and reassemble the cuttinghead to the track-arm.

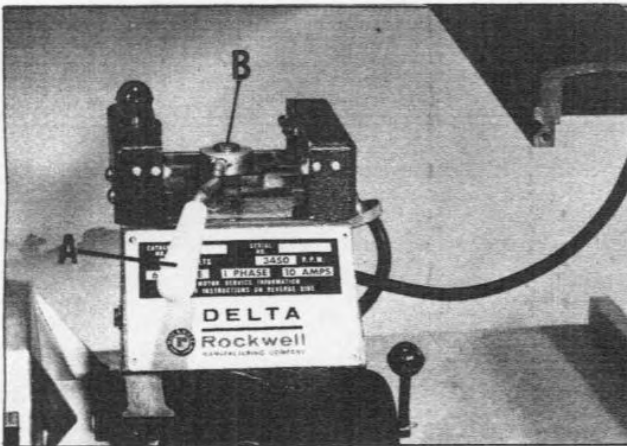


Fig. 31

### ADJUSTMENT OF BALL BEARINGS AGAINST TRACK

The carriage is mounted on four pre-loaded, pre-lubricated, shielded ball bearings two on fixed shaft (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 the 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. Remove the bearing cover on the right hand side of the track-arm.
3. To adjust, loosen rip lock (A) Fig. 32, and loosen set screws (B) on both front and rear bearings to release lock action on eccentric shafts (C).
4. Place wrench on hex nut (D) that locks shaft (C) Fig. 32 and loosen both front and rear bearings.
5. Place wrench on eccentric shaft (C) Fig. 32 and turn until all play is removed. Do the same to the rear bearing.
6. Retighten hex nuts (D) with wrench and lock set screws (B) Fig. 32, at both bearings.

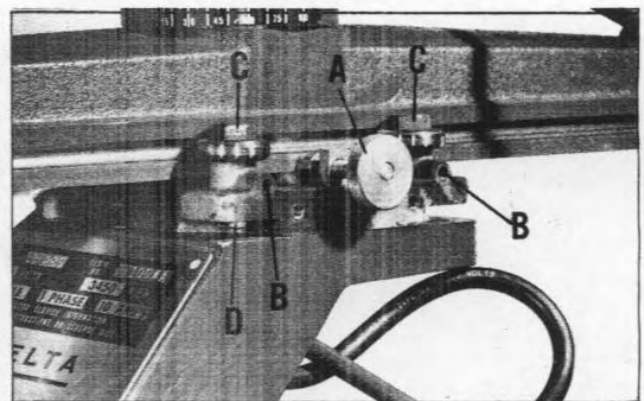


Fig. 32

## TAKING SIDE MOTION OUT OF OVER-ARM (PLUS 105 MODEL)

Side motion of the over-arm should be eliminated prior to making other adjustments.

To adjust proceed as follows:

1. Loosen the lock nut (B) in column base, and loosen screws (A) and (D) Fig. 33.
2. Loosen nuts (E), tighten bolts (F) until the base (H) wraps firmly around the column (G) Fig. 33. Check elevation by turning elevating handle making sure the column moves up or down, but not too freely. Then tighten nuts (E) against the casting.
3. If the column binds or does not move easily in the base, reverse the above instructions by unscrewing the bolts (F) Fig. 33, and tighten the nuts (E) against the casting.
4. Tighten screw (D) Fig. 33, against column gib (C) until all side motion disappears in over-arm and tighten screw (A) and nut (B) Fig. 33.

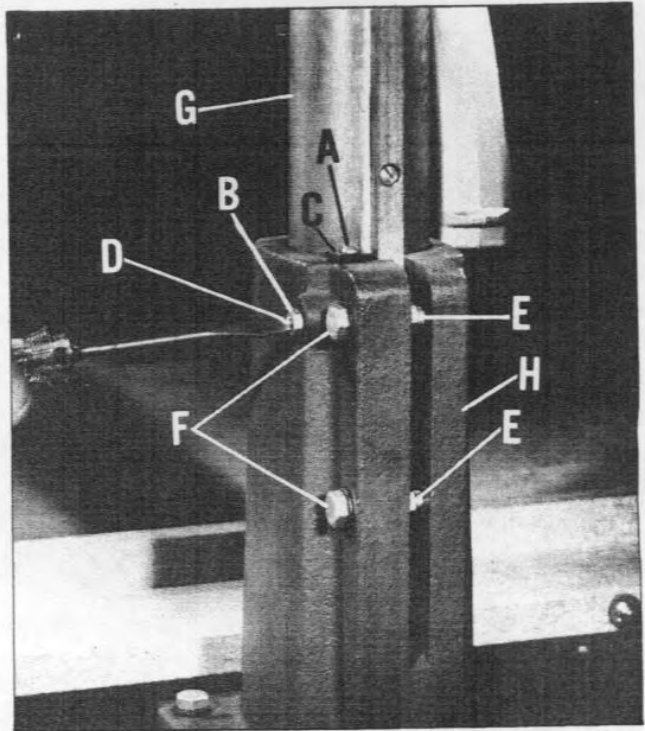


Fig. 33

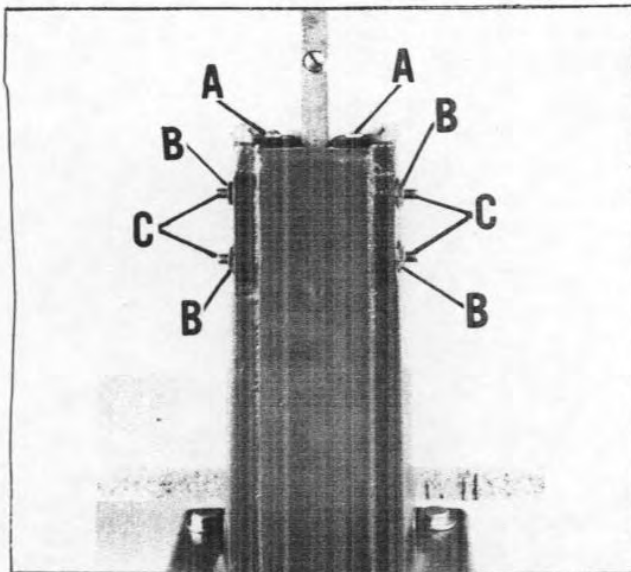


Fig. 33-A

## TAKING OUT "PLAY" BETWEEN OVER-ARM AND TRACK-ARM

1. Move cutting head to center of track.
2. Place clamp handle in unlocked position, remove clamp handle rod from the nut (A) and remove the nut, Fig. 34.
3. Using a wrench tighten nut (B), Fig. 34, until the track-arm is snug against the over-arm. Test by lifting the miter plunger (C) and making sure the track-arm rotates smoothly and does not bind.
4. Tighten the nut (A) on the King bolt (D) Fig. 34, and insert the clamp handle rod in the nut.

## TAKING SIDE MOTION OUT OF OVER-ARM (DELUXE 105 MODEL)

Side motion of the over-arm should be eliminated prior to making other adjustments.

To adjust, proceed as follows:

1. Loosen two gib screws (A) Fig. 33-A.
2. Loosen four nuts (B) Fig. 33-A, and tighten the four gib adjusting screws (C) against the column gibs until all side motion disappears in over-arm.
3. Then tighten the four nuts (B) and the two gib screws (A) Fig. 33-A.

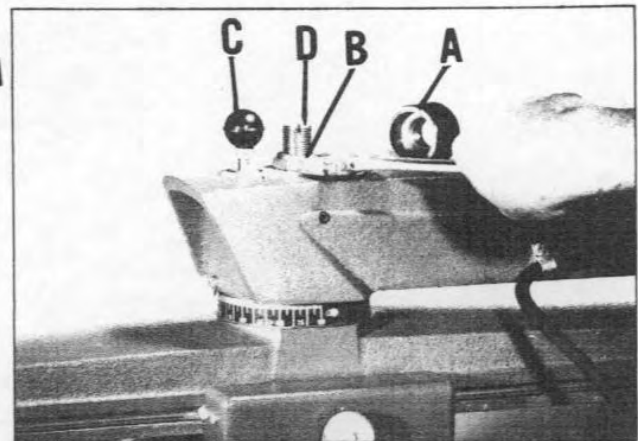


Fig. 34

## CHANGING POSITION OF THE TRACK CLAMPING HANDLE

When the clamp handle does not lock in a convenient position (right side, slightly forward of perpendicular to over-arm) the set screw (A) must be placed in another slot (B) in the King bolt (C) Fig. 35.

For clarity Fig. 35 is shown with the track-arm lowered and the King bolt exposed.

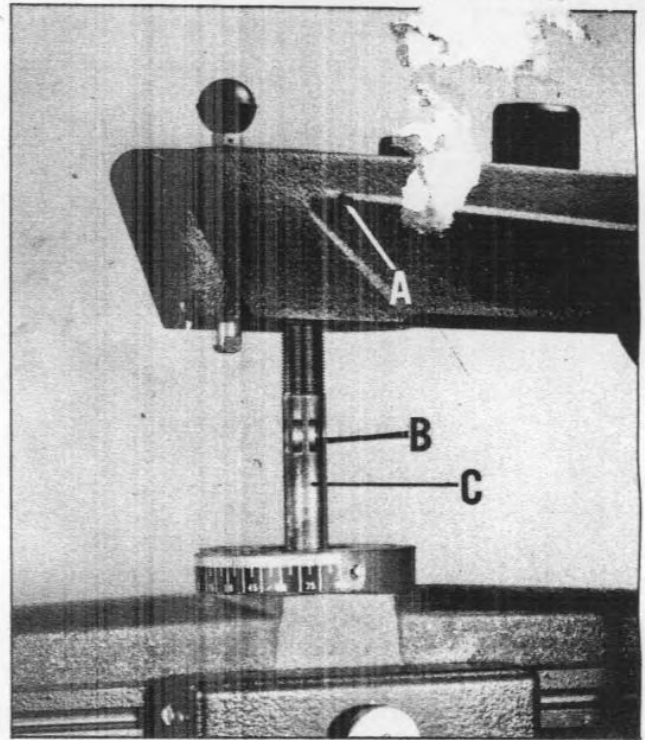


Fig. 35

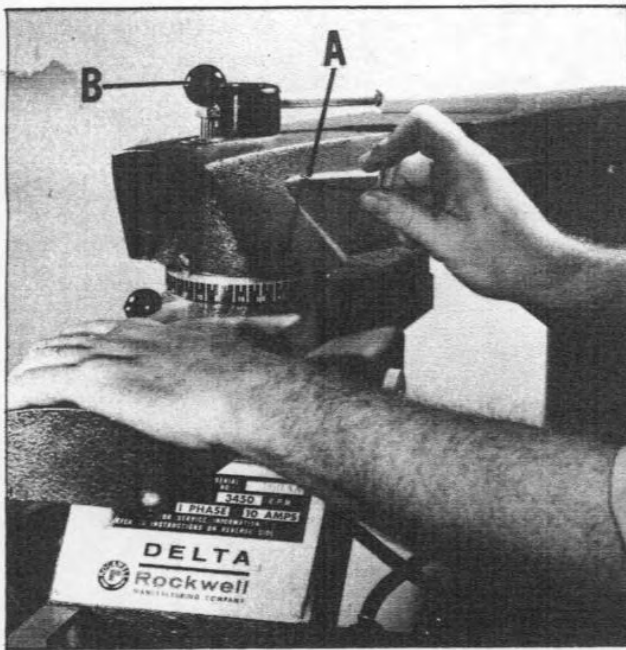


Fig. 36

## CHANGING POSITION OF THE BEVEL CLAMP HANDLE

Check the bevel clamp handle to make sure it locks in a convenient position. If an adjustment is necessary, simply loosen the screw (A) Fig. 37, and reposition the handle so it locks in a convenient position.

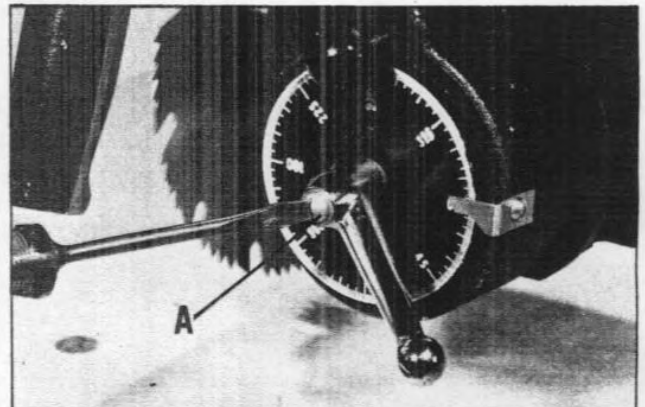


Fig. 37

To adjust proceed as follows:

1. Place the track-arm clamp handle in an unlocked position and loosen set screw (A) Fig. 36 four turns.
2. Lift the miter stop plunger (B), Fig. 36, and rotate the King bolt by moving the track-arm until the set screw (A) can be tightened into the next slot (B) Fig. 35 in the King bolt.
3. If necessary, repeat this operation until the clamp handle locks in a convenient position.

## OPERATION AND CONTROLS

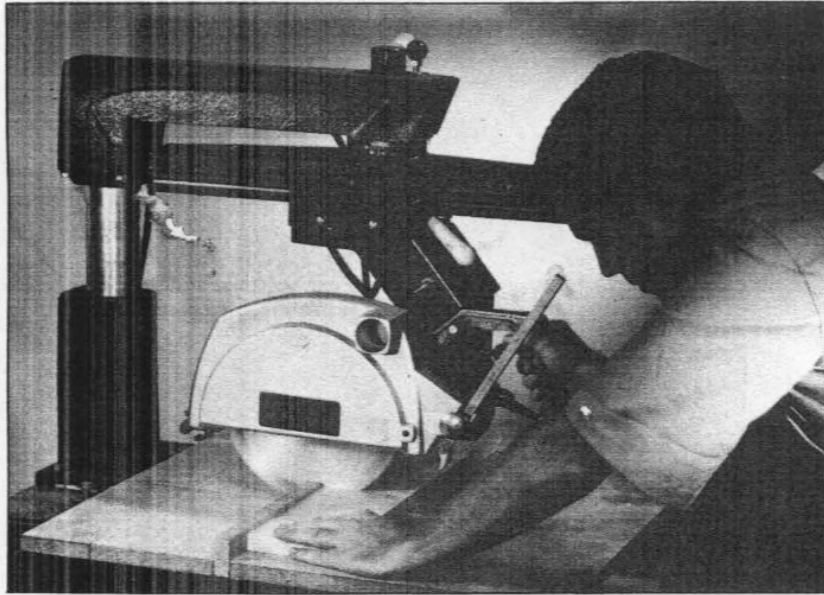


Fig. 38

### 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.

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

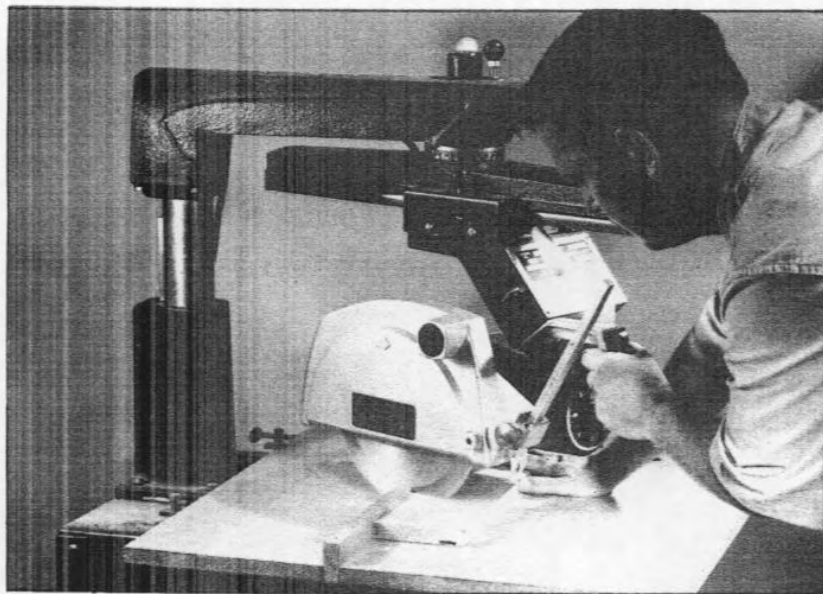


Fig. 39

### 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. 39 shows a typical mitering operation on the radial saw.

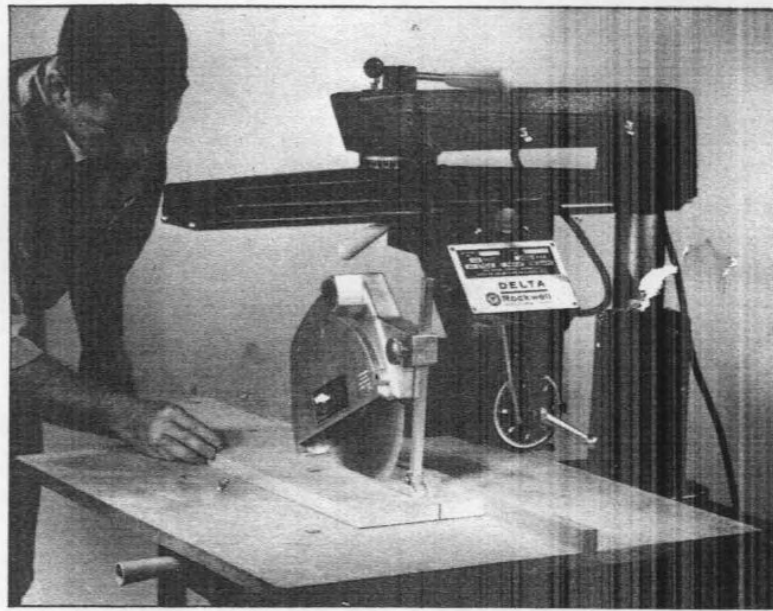


Fig. 40

## 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. 40 shows outboard ripping on the radial saw.

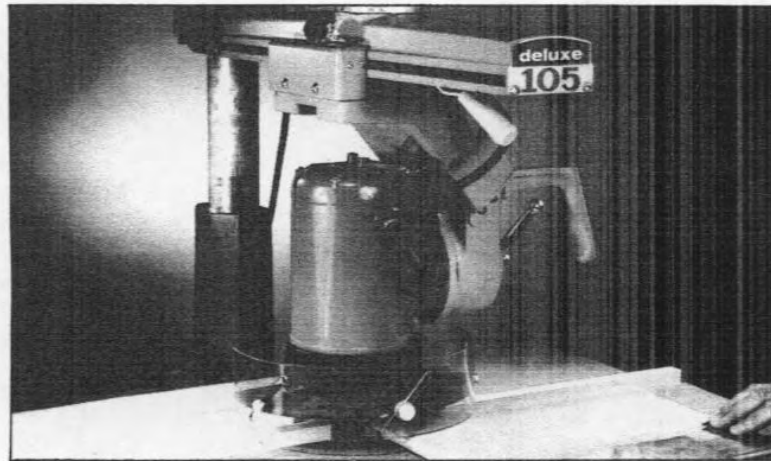
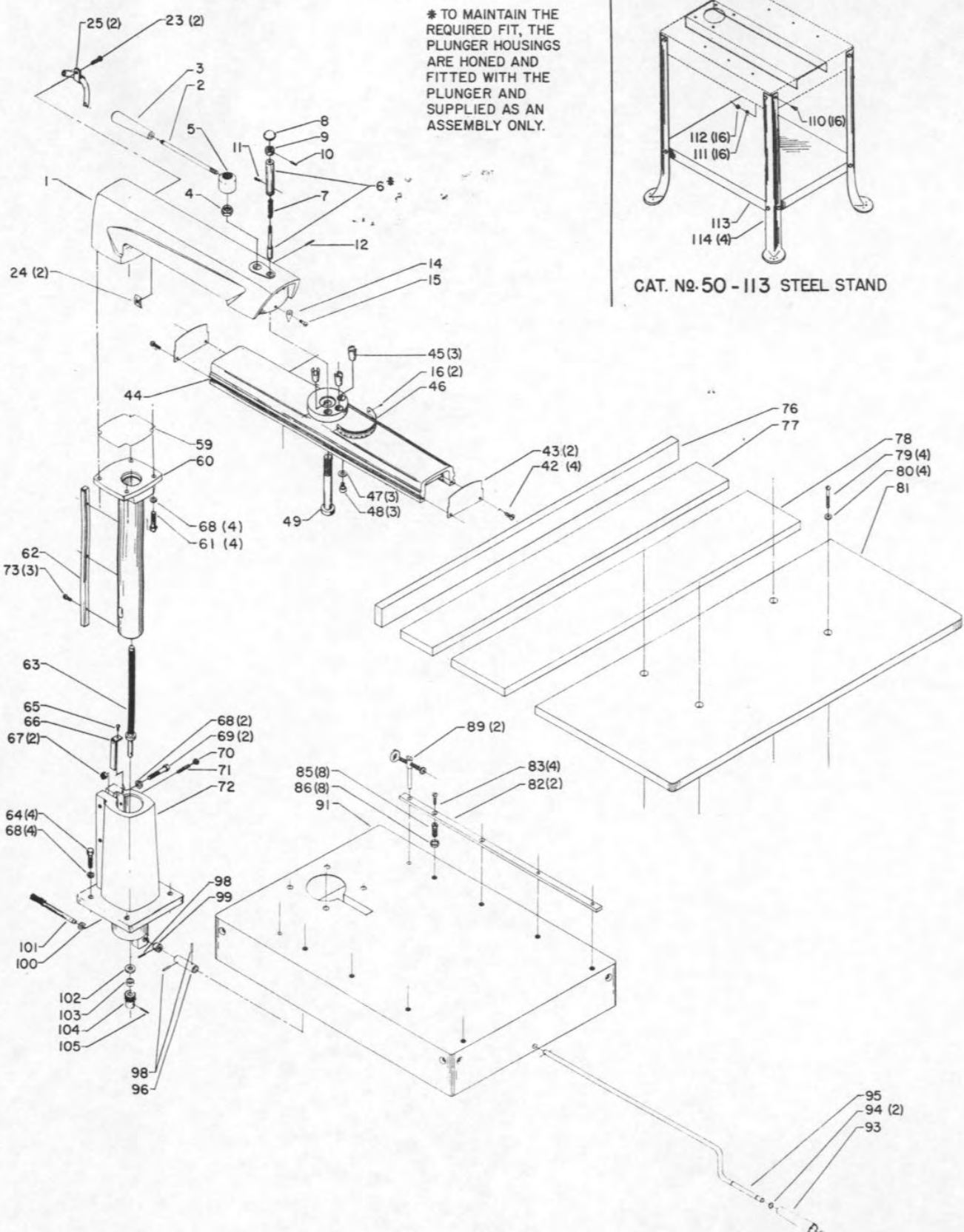


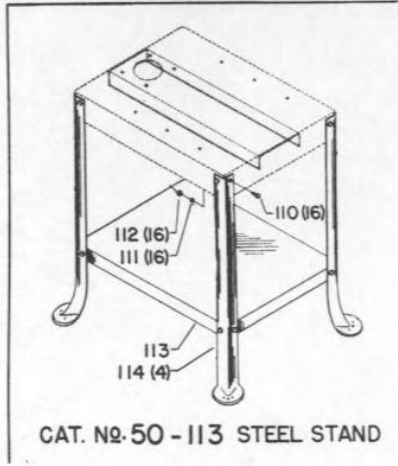
Fig. 41

## USING THE MOULDING CUTTERHEAD

When moulding on the radial saw the cuttinghead can be raised or lowered, moved forward or backward, and even tilted. Any portion of the cutter knives, therefore, can be brought into play and each set of knives can turn out an almost endless variety of shapes. In setting up the radial saw to do moulding, the track-arm is set parallel with the over-arm, and the cuttinghead is located on the inboard end of the track-arm. Tilt the motor to  $90^{\circ}$  position so that the cuttinghead is parallel with the saw table. Use the elevating handle to lower the cuttinghead to the desired depth of cut. Sliding the cuttinghead forward for back on the track-arm, positions the motor so that the projection of knives in front of the fence equals the width of cut desired. The Cat. #33-942 Moulding/Shaping Guard is shown attached to the cuttinghead in Fig. 41, and it should be used whenever possible in moulding operations.



\* TO MAINTAIN THE REQUIRED FIT, THE PLUNGER HOUSINGS ARE HONED AND FITTED WITH THE PLUNGER AND SUPPLIED AS AN ASSEMBLY ONLY.

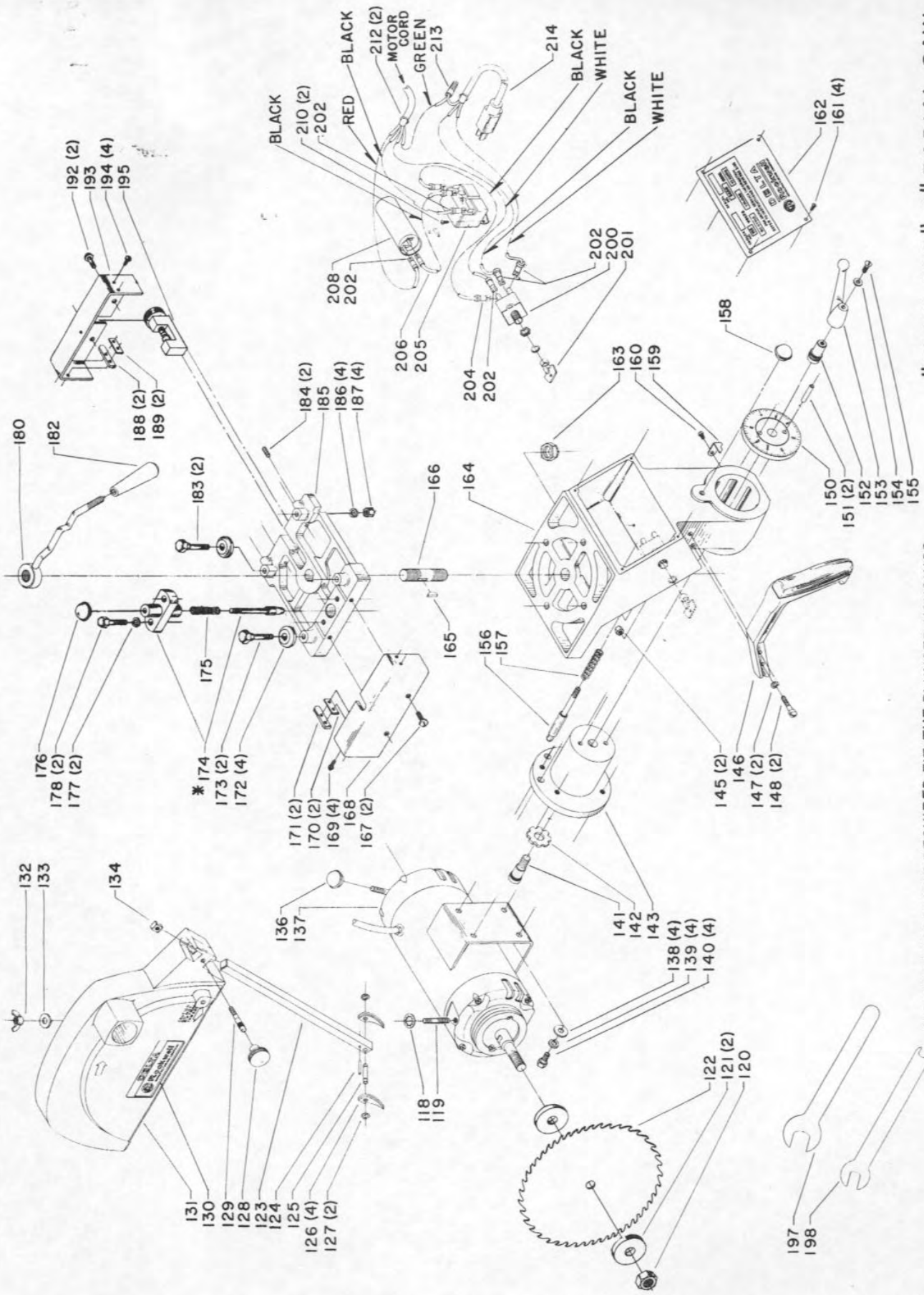


" PLUS 105 " 9" RADIAL SAW



## Replacement Parts "Plus 105" 9" Radial Saw

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	424-08-389-0002	Arm	69	SP-670	3/8-24 x 1 3/4"Hex. Hd. Scr.
2	424-08-408-0005	Rod	70	SP-1034	1/4"-20 Hex. Nut
3	931-01-052-0472	Knob	71	901-04-121-3616	1/4-20 x 1 1/2"Hdless, Set Scr.
4	SP-1036	3/4"-16 Esna Nut	72	424-08-305-0008	Column Base
5	424-08-327-0004	Clamp	73	3P-715	1/4-20 x 1/2"Fil. Hd. Scr.
6	424-08-388-0002	Plunger & Housing, Including:	76	424-01-011-0016	Fence
7	MH-3493	Spring	77	424-08-011-0002	3 7/16 x 31 31/32"Board
8	MK-5448	Knob	78	424-08-011-0001	5 13/16 x 31 31/32"Board
9	SP-1300	5/16-18 Hex. Nut	79	SP-536	1/4-20 x 1 3/4"Rd. Hd. Screw
10	SP-6731	5/64 x 1/2"Roll Pin	80	SP-1614	9/32 x 5/8 x 1/16"Washer
11	SP-8210	#00 x 1/8"Drive Screw	81	424-08-011-0003	Front Board
12	SP-9435	1/4-20 x 1 1/2"Soc. Set Scr.	82	MG-186	Leveling Strip
14	MH-3417	Pointer	83	SP-406	1/4-20 x 3/4"Flat Hd. Screw
15	901-02-050-3223	1/4-20 x 5/16"Fil. Hd. Scr.	85	MG-162	Leveling Screw
16	901-06-651-7356	#4-40 x 1/4"Rd. Hd. S. Tapping Screw	86	SP-2956	Pinnut
23	SP-3026	#8 x 3/4"Truss Hd. S. Tapping Screw	89	424-08-410-0001	Post Assembly
24	SP-2953	Speed Nut	91	424-08-305-0004	Table Base
25	SP-4838	Cable Clamp	93	931-01-052-0474	Knob
42	SP-715	1/4-20 x 1/2"Fil. Hd. Scr.	94	SP-7431	Retaining Ring
43	424-08-372-0002	End Plate	95	424-08-408-0004	Elevating Rod
44	424-08-355-0004	Track	96	424-01-061-0001	Tube
45	MJ-4880	Plug	98	SP-2704	1/8 x 3/4"Roll Pin
46	951-02-011-8271	Miter Scale	99	424-01-104-0001	Spacer
47	SP-1604	5/16 x 3/4 x .065 Washer	100	DDL-175	29/64 x 3/4 x 1/16"Washer
48	SP-762	5/16-18 x 5/8"Soc. Hd. Scr.	101	424-01-051-0004	Worm Gear
49	424-01-071-0010	King Bolt	102	MH-3919	Thrust Bearing
59	424-01-031-0015	Dust Cover	103	418-07-105-0003	Special Washer
60	424-08-330-0002	Column	104	424-01-051-0003	Gear
61	SP-642	3/8-16 x 1"Hex. Hd. Screw	105	SP-2721	1/8 x 7/8"Roll Pin
62	424-01-004-0007	Column Key	*	Cat. #50-113	Steel Stand, consisting of:
63	424-01-412-0004	Screw Assembly	110	MS-62	5/16-24 x 1"Hex. Hd. Screw
64	SP-648	3/8-16 x 1 1/4"Hex. Hd. Scr.	111	SP-1750	5/16"Internal Tooth Lockwasher
65	SP-593	#10-24 x 3/8"Binding Hd. Scr.	112	SP-1206	5/16"-24 Hex. Nut
66	MG-118	Gib	113	436-02-415-0006	Shelf
67	SP-1270	3/8"-24 Hex. Jam Nut	114	436-02-366-0002	Leg
68	SP-1704	3/8"Split Lockwasher	*	Available but not included with Cat. #33-285 Bench Model Saw	



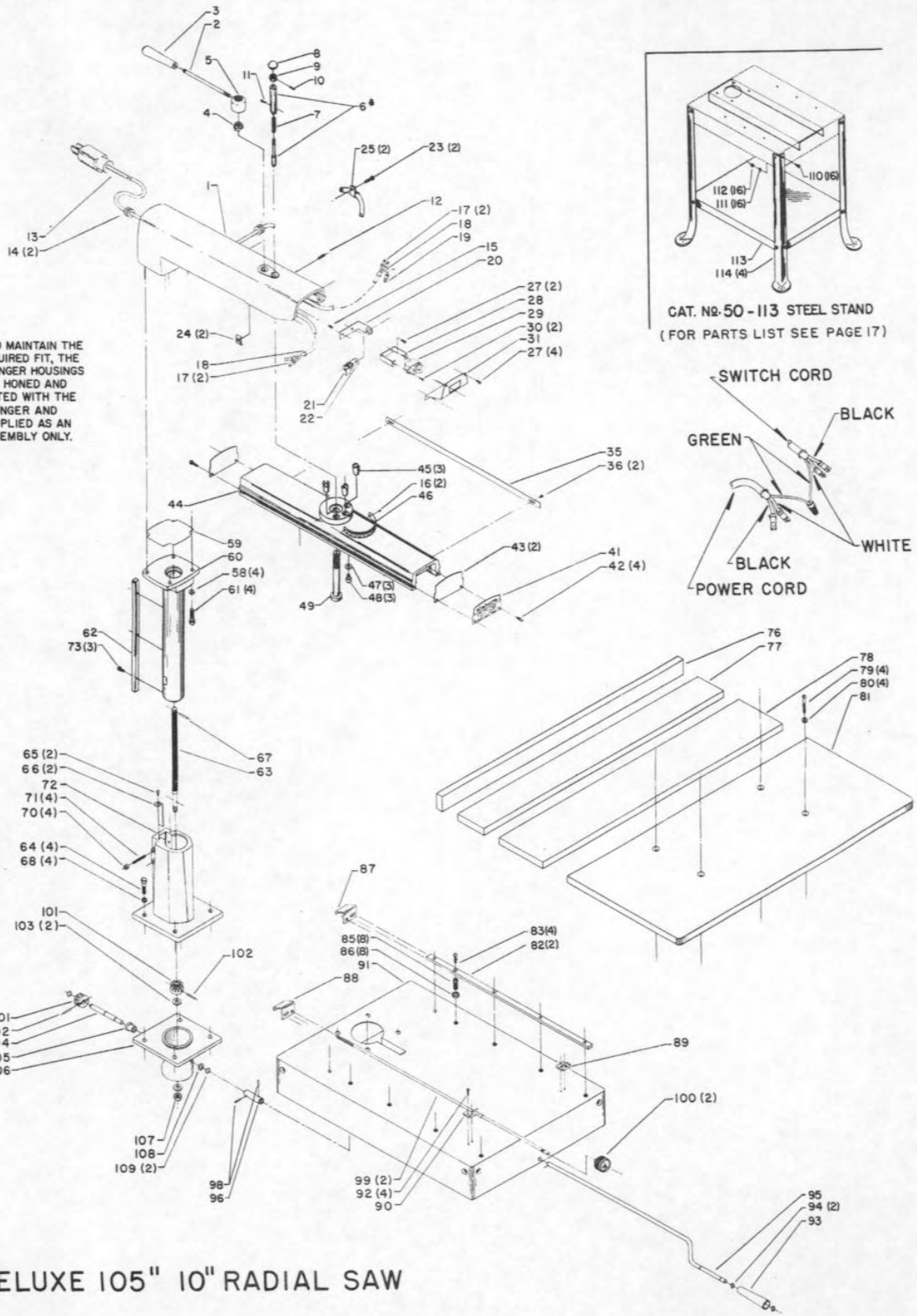
"PLUS 105" 9" RADIAL SAW

\* TO MAINTAIN THE REQUIRED FIT, THE PLUNGER HOUSINGS ARE HONED AND FITTED WITH THE PLUNGER AND SUPPLIED AS AN ASSEMBLY ONLY.

## Replacement Parts "Plus 105" 9" Radial Saw

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
118	SP-1752	5/16" Internal Tooth Lockwasher	164	424-08-402-0006	Yoke
119	MH-3446	Stud for Guard	165	SP-2607	#3 Wood End Key
120	MH-3317	Arbor Nut	166	424-08-111-0002	King Bolt Stud
121	MG-128	Flange	167	SP-509	1/4-20 x 1/2" Rd, Hd, Screw
122	Cat. #33-224	9" Combination Saw Blade	168	424-08-331-0005	Bearing Cover - L. H.
123	424-08-408-0001	Anti-Kickback Assembly, Including:	169	SP-3003	#6 x 3/8" Self Tapping Screw
124	SP-2704	1/8 x 3/4" Roll Pin	170	MG-140	Holding Strip
125	424-08-371-0001	Pin	171	MG-141	Felt Wiper
126	424-04-347-0001	Finger	172	920-04-011-8088	Bearing
127	904-15-062-0269	Snap Ring	173	MG-127	Bearing Stud
128	931-02-151-6361	Knob	174	424-08-388-0001	Plunger & Housing, Including:
129	424-02-412-0008	Screw	175	MK-5516	Spring
130	960-03-012-0409	Nameplate	176	MK-5448	Knob
131	424-08-354-0003	Guard	177	SP-1620	11/32 x 11/16 x 1/16" Washer
132	BM-20	5/16-18 Wing Nut	178	SP-649	5/16-18 x 1" Hex, Hd, Screw
133	SP-1605	3/8 x 7/8 x 1/16" Washer	180	424-08-327-0003	Clamp Assembly
134	SP-1330	1/4"-20 Sq. Nut	182	931-01-052-0473	Clamp Knob
136	SP-3606	Knob	183	MG-126	Eccentric Bearing Stud
137	438-02-314-0335	Motor	184	SP-202	1/4-20 x 1/2" Soc, Set Screw
138	SP-1605	3/8 x 7/8 x 1/16" Washer	185	424-08-357-0005	Roller Head
139	SP-1703	5/16" Split Lockwasher	186	SP-1703	5/16" Split Lockwasher
140	424-08-112-0002	Special Screw	187	SP-1206	5/16"-24 Hex, Nut
141	424-08-111-0001	Stud	188	MG-141	Felt Wiper
142	424-08-079-0001	Special Washer	189	MG-140	Holding Strip
143	424-08-395-0002	Trunnion	192	SP-509	1/4-20 x 1/2" Rd, Hd, Screw
145	SP-1034	1/4-20 Hex, Nut	193	424-08-331-0007	Bearing Cover - R. H.
146	424-08-360-0002	Handle	194	SP-3003	#6 x 3/8" Self Tapping Screw
147	SP-1702	1/4" Split Lockwasher	195	MG-119-S	Rip Lock
148	SP-725	1/4-20 x 1" Fil, Hd, Screw	197	MH-3318	Arbor Nut Wrench
150	424-08-327-0009	Clamp Washer	198	MG-164	1/2" Hex, Wrench
151	SP-6846	1/4 x 1" Type 4 Groove Pin	200	438-01-017-0066	Switch W/Key
152	SR-218	Clamp	201	406-04-068-0001	Extra Key
153	SR-217	Handle	202	438-01-018-0026	Terminal
154	SP-1603	1/4 x 9/16 x 3/64" Washer	204	438-01-320-0057	Jumper
155	SP-509	1/4-20 x 1/2" Rd, Hd, Screw	205	438-01-015-0011	Relay
156	424-08-071-0002	Pin	206	438-01-320-0056	Jumper
157	MK-5516	Spring	208	438-01-029-0002	Capacitor
158	MK-5448	Knob	210	SP-3000	#6 x 1/4" Self-Tapping Screw
159	951-01-021-7012	Pointer	212	904-15-221-2671	Hog Ring
160	SP-551	#10-32 x 1/4" Rd, Hd, Screw	213	SP-4935	Wire Nut
161	SP-567	#6-32 x 1/4" Rd, Hd, Screw	214	438-01-302-0115	Power Cord
162	960-02-012-0025	Nameplate			
163	SP-1036	3/4"-16 Esna Nut			

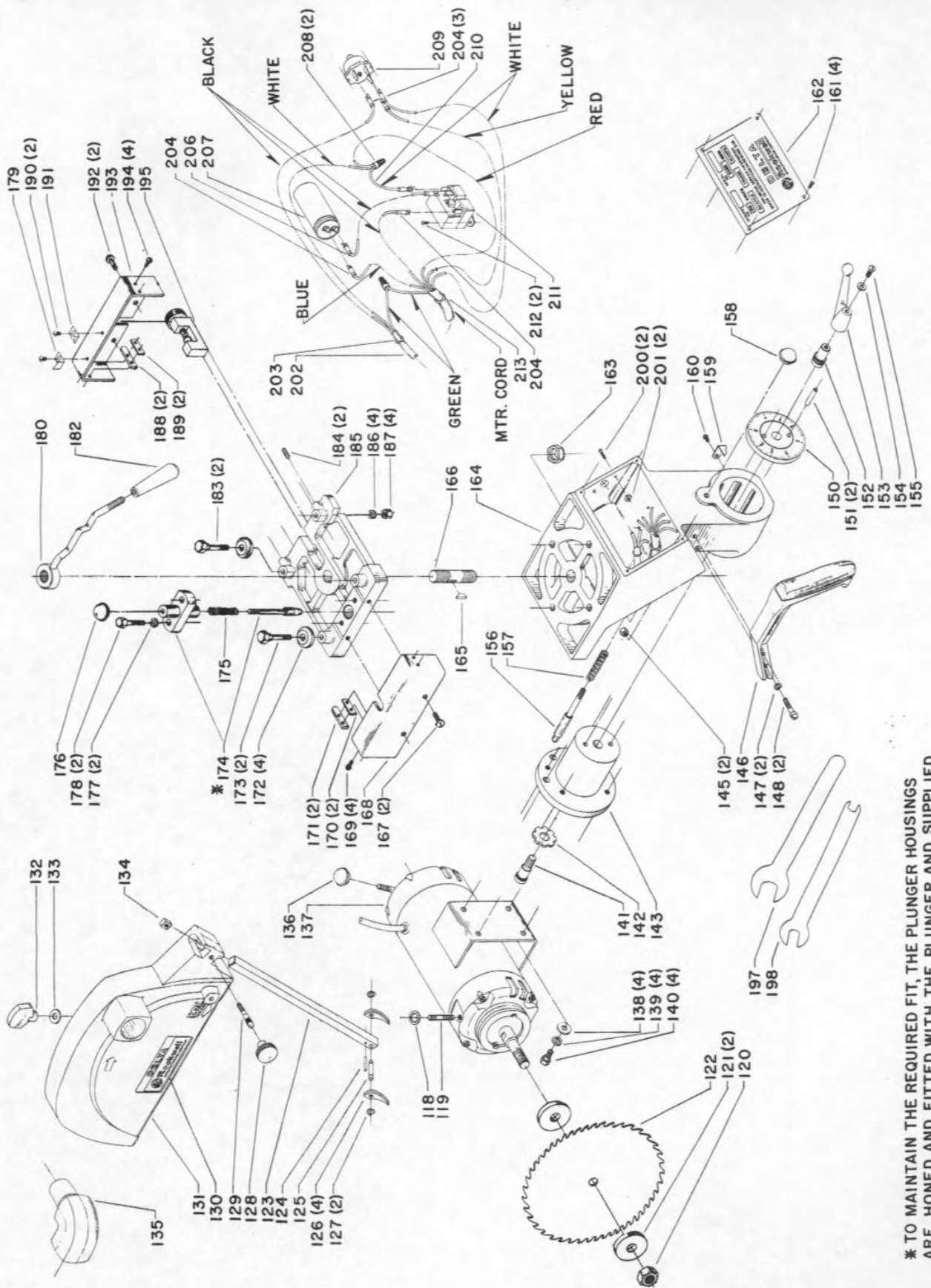
\* TO MAINTAIN THE REQUIRED FIT, THE PLUNGER HOUSINGS ARE HONED AND FITTED WITH THE PLUNGER AND SUPPLIED AS AN ASSEMBLY ONLY.



"DELUXE 105" 10" RADIAL SAW

## Replacement Parts "Deluxe 105" 10" Radial Saw

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	424-08-389-0003	Arm	62	424-01-004-0007	Column Key
2	424-08-408-0005	Rod	63	424-08-112-0003	Elevating Screw
3	931-01-052-0472	Knob	64	SP-648	3/8-16 x 1 1/4"Hex, Hd, Scr.
4	SP-1036	3/4"-16 Esna Nut	65	SP-593	#10-24 x 3/8"Binding Hd, Scr.
5	424-08-327-0004	Clamp	66	MG-118	Gib
6	424-08-388-0002	Plunger & Houding, Including:	67	SP-2732	5/32 x 1"Roll Pin
7	MH-3493	Spring	68	SP-1704	3/8"Split Lockwasher
8	MK-5448	Knob	70	SP-1034	1/4-20 Hex, Nut
9	SP-1300	5/16-18 Hex, Nut	71	901-04-121-3616	1/4-20 x 1 1/2"Hdless, Set Scr.
10	SP-6731	5/64 x 1/2"Roll Pin	72	424-08-305-0005	Column Base
11	SP-8210	#00 x 1/8"Drive Screw	73	SP-715	1/4-20 x 1/2"Fil, Hd, Scr.
12	SP-9435	1/4-20 x 1 1/2"Soc. Set Scr.	76	424-08-011-0008	Fence
13	438-01-302-0115	Power Cord	77	424-08-011-0006	4 3/16 x 31 31/32"Board
14	LBS-27	Grommet	78	424-08-011-0007	6 7/8 x 31 31/32"Board
15	SP-1185	1/4-20 x 5/16"Soc. Set Scr.	79	SP-536	1/4-20 x 1 3/4"Rd, Hd, Scr.
16	901-06-651-7356	#4-40 x 1/4"Rd, Hd, S. Tapping Scr.	80	SP-1614	9/32 x 5/8 x 1/16"Washer
17	438-01-018-0026	Terminal	81	424-08-011-0005	Front Board
18	904-15-221-2671	Hog Ring	82	MG-186	Leveling Strip
19	SP-4935	Wire Nut	83	SP-406	1/4-20 x 3/4"Flat Hd, Screw
20	424-08-314-0003	Bracket	85	MG-162	Leveling Screw
21	424-08-368-0001	Lock Assembly W/Key	86	SP-2956	Palnut
22	424-08-068-0001	Extra Key for Lock	87	MG-187-S	Clamp-R, H.
23	SP-3026	#8 x 3/4"Truss Hd, S. Tapping Scr.	88	MG-188-S	Clamp-L, H.
24	SP-2953	Speed Nut	89	MG-185	Rod Support-R, H.
25	SP-4838	Cable Clamp	90	MG-184	Rod Support-L, H.
27	901-02-011-8976	#10-32 x 3/8"Rd, Hd, Scr.	91	424-08-305-0004	Table Base
28	424-08-314-0002	Bracket	92	SP-3025	#8 x 5/8"Truss Hd, S. TappingScr.
29	438-01-017-0069	Switch	93	931-01-052-0474	Knob
30	SP-3003	#6 x 3/8"Sheet Metal Screw	94	SP-7431	Retaining Ring
31	424-08-031-0001	Switch Cover	95	424-08-408-0004	Rod
35	951-02-011-7016	Rip Scale	96	424-01-061-0001	Tube
36	SP-558	#8-32 x 1/4"Rd, Hd, Screw	98	SP-2704	1/8 x 3/4"Roll Pin
41	424-08-372-0003	Nameplate	99	424-01-408-0005	Rod Assembly
42	SP-715	1/4-20 x 1/2"Fil, Hd, Screw	100	MG-180	Knob
43	424-08-372-0002	End Plate	101	424-02-051-0008	Gear
44	424-08-355-0007	Track	102	SP-2732	5/32 x 1"Roll Pin
45	MJ-4880	Plug	103	MH-3919	Thrust Bearing
46	951-02-011-8272	Miter Scale	104	424-08-106-0001	Shaft
47	SP-1604	5/16 x 3/4 x .065"Washer	105	424-02-017-0003	Bushing
48	SP-762	5/16-18 x 5/8"Soc. Hd, Scr.	106	424-08-013-0001	Gear Box
49	424-01-071-0010	King Bolt	107	SP-1266	1/2-13 Hex, Jam Nut
58	SP-1704	3/8"Split Lockwasher	108	SP-7221	Thrust Washer
59	424-01-031-0015	Dust Cover	109	904-15-010-7442	Retaining Ring
60	424-08-330-0002	Column			
61	SP-642	3/8-16 x 1"Hex, Hd, Screw			



"DELUXE 105" 10" RADIAL SAW

\* TO MAINTAIN THE REQUIRED FIT, THE PLUNGER HOUSINGS ARE HONED AND FITTED WITH THE PLUNGER AND SUPPLIED AS AN ASSEMBLY ONLY.

## Replacement Parts

### "Deluxe 105" 10" Radial Saw

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
118	SP-1752	5/16"Internal Tooth Lockwasher	166	424-08-111-0002	King Bolt Stud
119	MH-3446	Stud for Guard	167	SP-509	1/4-20 x 1/2"Rd, Hd, Scr.
120	MH-3317	Arbor Nut	168	424-08-331-0005	Bearing Cover - L. H.
121	MG-128	Flange	169	SP-3003	#6 x 3/8"Self-Tapping Scr.
122	Cat. #1015	10"Combination Blade	170	MG-140	Holding Strip
123	424-08-408-0001	Anti-Kickback Assy., Including:	171	MG-141	Felt Wiper
124	SP-2704	1/8 x 3/4"Roll Pin	172	920-04-011-8088	Bearing
125	424-08-371-0001	Pin	173	MG-127	Bearing Stud
126	424-04-347-0001	Finger	174	424-08-388-0001	Plunger & Housing, Including:
127	904-15-062-0269	Snap Ring	175	MK-5516	Spring
128	931-02-151-6361	Knob	176	MK-5448	Knob
129	424-02-412-0008	Screw	177	SP-1620	5/16"Split Lockwasher
130	960-03-012-0409	Nameplate	178	SP-649	5/16-18 x 1"Hex, Hd, Screw
131	424-08-354-0004	Guard	179	951-01-021-7014	"In-Rip"Pointer
132	931-01-132-0475	Knob	180	424-08-327-0003	Clamp Assembly
133	SP-1605	3/8 x 7/8 x 1/16"Washer	182	931-01-052-0473	Clamp Knob
134	SP-1330	1/4"-20 Sq. Nut	183	MG-126	Eccentric Bearing Stud
135	424-08-001-0001	Adapter for Guard	184	SP-202	1/4-20 x 1/2"Soc. Set Scr.
136	SP-3606	Knob	185	424-08-357-0005	Roller Head
137	438-02-314-0365	Motor	186	SP-1703	5/16"Split Lockwasher
138	SP-1605	3/8 x 7/8 x 1/16"Motor	187	SP-1206	5/16-24 Hex, Nut
139	SP-1703	5/16"Split Lockwasher	188	MG-141	Felt Wiper
140	424-08-112-0002	Special Screw	189	MG-140	Holding Strip
141	424-08-111-0001	Stud	190	SP-558	#8-32 x 1/4"Rd, Hd, Screw
142	424-08-079-0001	Special Washer	191	951-01-021-7015	"Out-Rip"Pointer
143	424-08-395-0002	Trunnion	192	SP-509	1/4-20 x 1/2"Rd, Hd, Screw
145	SP-1034	1/4"-20 Hex, Nut	193	424-08-331-0011	Bearing Cover-R, H.
146	424-08-360-0003	Handle	194	SP-3003	#6 x 3/8"Self-Tapping Screw
147	SP-1702	1/4"Split Lockwasher	195	MG-119-S	Rip Lock
148	SP-725	1/4-20 x 1"Fil, Hd, Screw	197	MH-3318	Arbor Nut Wrench
150	424-08-327-0007	Clamp Washer Assembly	198	MG-164	1/2"Hex, Wrench
151	SP-6846	1/4 x 1"Type 4 Groove Pin	200	SP-7755	#6-32 x 1"Rd, Hd, Screw
152	SR-218	Clamp	201	SP-1301	#6-32 Sq. Nut
153	SR-217	Handle	202	438-01-002-0110	Switch Cord
154	SP-1603	1/4 x 9/16 x 3/64"Washer	203	904-15-221-2671	Hog Ring
155	SP-509	1/4-20 x 1/2"Rd, Hd, Screw	204	438-01-018-0026	Terminal
156	424-08-071-0002	Pin	206	438-01-320-0056	Jumper
157	MK-5516	Spring	207	438-01-029-0002	Capacitor
158	MK-5448	Knob	208	SP-4935	Wire Nut
159	951-01-021-7012	Pointer	209	438-01-017-0072	Overload Switch
160	SP-551	#10-32 x 1/4"Rd, Hd, Screw	210	438-01-320-0049	Jumper
161	SP-567	#6-32 x 1/4"Rd, Hd, Screw	211	438-01-015-0013	Relay
162	960-02-012-0026	Nameplate	212	SP-3000	#6 x 1/4"Self-Tapping Scr.
163	SP-1036	3/4"-16 Esna Nut	213	M-130	Hog Ring for Motor Cord
164	424-08-402-0009	Yoke			
165	SP-2607	#3 Woodruff Key			

## ROCKWELL GUARANTEE

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, we agree 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 Delta or other Rockwell machinery part or accessory must be returned prepaid to the appropriate Factory, Rockwell Service Center, or Authorized Service Station for our 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, Rockwell 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 expressed or implied with respect to fitness, merchantability, or quality.

### MOTORS

Motors are built to Rockwell's specifications by only leading motor manufacturers. A service station list is supplied with your motor and all defective motors (both in and out of guarantee) should be taken to the local authorized repair station when service is desired.

---

## AUTHORIZED DELTA PARTS DISTRIBUTORS

### ATLANTA, GEORGIA 30301

Rockwell Manufacturing Company  
1495 Northside Drive, N. W.  
Phone: 873-5434

### BUFFALO, NEW YORK 14204

Karle Saw Company, Inc.  
138-150 Chicago St., Cor. So. Park Ave.  
Phone: 853-8053 or 8054

### CHARLOTTE, NORTH CAROLINA 28201

Industrial and Textile Supply  
1300 South Mint Street  
Phone: 376-6411

### CHICAGO, ILLINOIS 60160

Rockwell Manufacturing Company  
4533 North Avenue  
Melrose Park, Illinois  
Phone: 921-2650

### CINCINNATI, OHIO 45203

Rockwell Manufacturing Company  
906 Dalton  
Phone: 513 241-2737

### CLEVELAND, OHIO 44115

Reynolds Machinery Company  
3107 Carnegie Avenue  
Phone: 361-3745

### DALLAS, TEXAS 75247

Rockwell Manufacturing Company  
2934 Iron Ridge  
Phone: 214 631-1890

### DETROIT, MICHIGAN 48220

Waterstons  
960 West Eight Mile Road  
Phone: 564-5794 or 545-1500

### KANSAS CITY, MISSOURI 64108

Rockwell Manufacturing Company  
1649 Jarboe Street  
Phone: 221-2710

### MILWAUKEE, WISCONSIN 53213

W. A. Voell Machinery Company  
5835 W. Bluemound Road  
Phone: 476-0990

### NEW YORK, NEW YORK 10013

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

### PHILADELPHIA, PENNSYLVANIA 19106

Delta Equipment Company  
148 North Third Street  
Phone: 627-1860-1861-1862

### PHILADELPHIA, PENNSYLVANIA 19106

Swanger Brothers  
116 North Third Street  
Phone: 627-0178

### PITTSBURGH, PENNSYLVANIA 15208

Rockwell Manufacturing Company  
400 N. Lexington Avenue  
Phone: 241-8400

### PORTERVILLE, CALIFORNIA 93257

Rockwell Manufacturing Company  
Highway 65 and Pioneer Avenue  
P. O. Box 711  
Phone: 784-7180

### SEATTLE, WASHINGTON 98109

Rockwell Manufacturing Company  
1918 Minor Avenue  
Phone: 682-8080

### WORCESTER, MASSACHUSETTS 01604

Waite Hardware Company  
189 Front Street  
Phone: 753-8161

### CANADA ROCKWELL MANUFACTURING COMPANY OF CANADA LIMITED

40 Wellington Street, P. O. Box 420  
Guelph, Ontario, Canada  
Phone: 822-2840