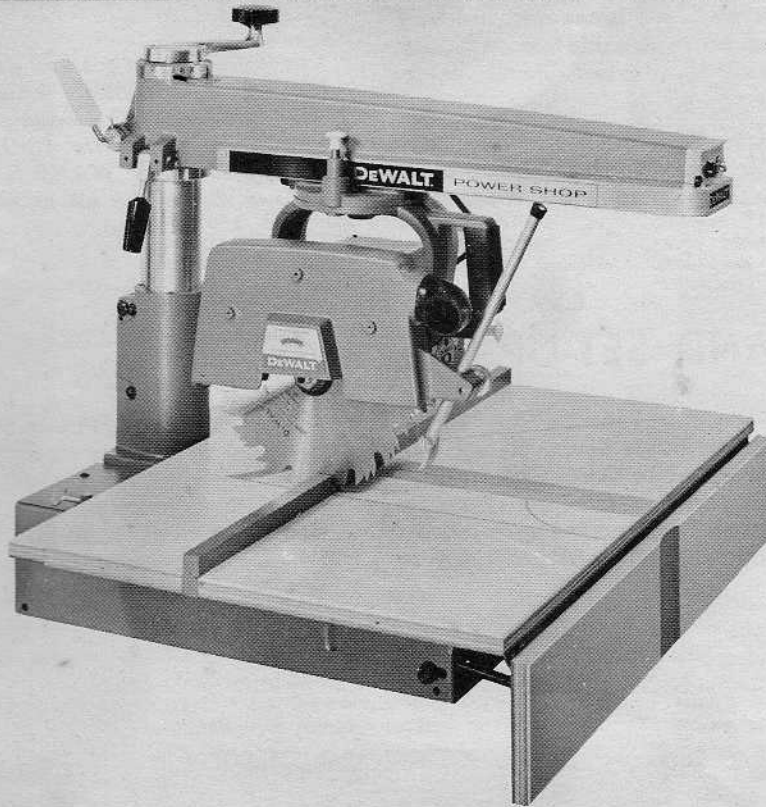




DEWALT. POWER SHOP



Instruction, Maintenance and Parts Book

Model 1200 and 1400

DEWALT, INC.
Lancaster, Pennsylvania
A *Black & Decker* SUBSIDIARY

IN CANADA: BLACK & DECKER MFG. CO. LTD., DeWALT DIV.

BROCKVILLE, ONTARIO

INTRODUCTION

The DeWalt "Power Shop" machine you have purchased, and to which the instructions in this manual pertain, represents the culmination of a long history in the design and manufacture of power tools for home and industry. Today, your DeWalt machine is capable of versatility, precision, safety, and ease-of-operation never before reached in the industry.

ONE DeWalt machine is actually MANY machines combined in a compact, flexible unit . . . the number of its operations limited only by the ingenuity of the operator.

Even the inexperienced craftsman can quickly learn to master its simple operation principles, thereby attaining maximum skill and efficiency in the shortest period of time.

The following pages are intended as a basis for the acquiring of this skill. Follow the instructions carefully until you learn the fundamentals. Then, begin to use your imagination for further uses. At this stage, the book, **NEWEST WAYS TO EXPERT WOODWORKING**, will also be an excellent investment.

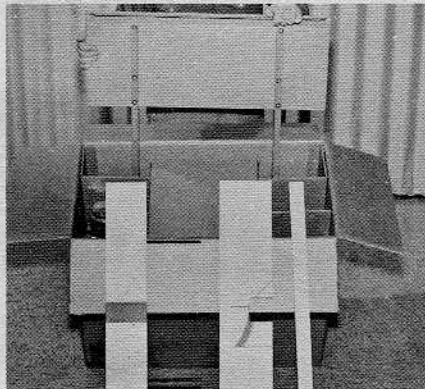
UNPACKING AND SET-UP INSTRUCTIONS

. . . you can easily and safely set up your DeWalt "Power Shop," America's most popular power tool. Handling is minimized because every machine is assembled and job-tested at the factory, then partially knocked down for shipment to you. The only tools required are the wrenches furnished with the machine and a screw driver from your tool box.

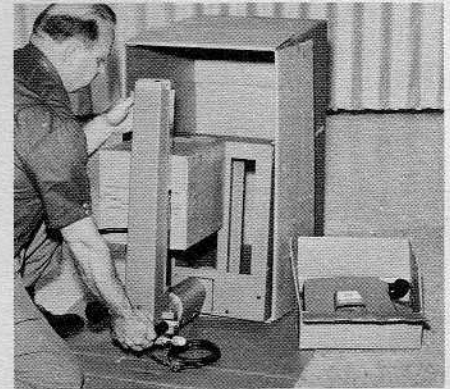
So that your new "Power Shop" may be placed in operation just as soon as assembled, all electrical connections have been made at the factory to operate on 120V single phase power supply. For 240V single phase, see connection diagram on page 10 or on motor name plate. Just follow this easy step-by-step procedure in setting up your new "Power Shop"!



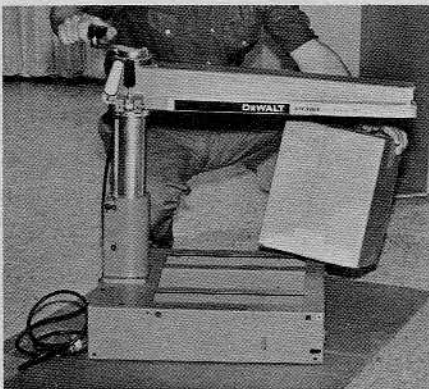
1. Remove loose table top boards and guide strips.



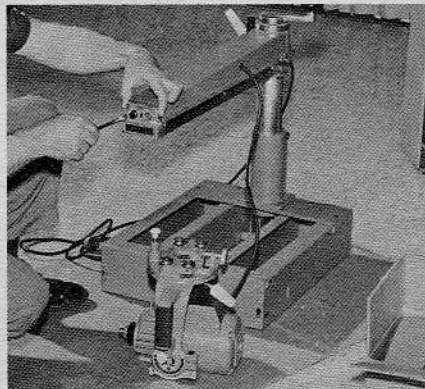
2. Remove table top assembly. Note: On model 1200 one spacer board and guide strip only provided.



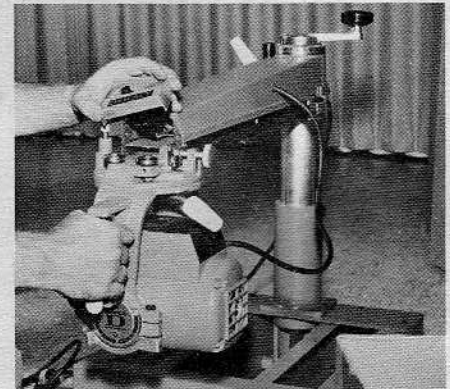
3. Remove guard box, tip carton on end and remove machine.



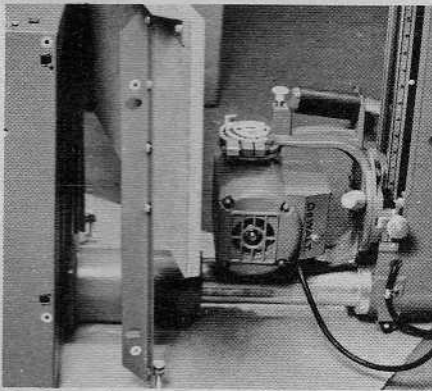
4. Raise arm assembly to free motor box by turning elevating handle counter-clockwise. Remove motor from box.



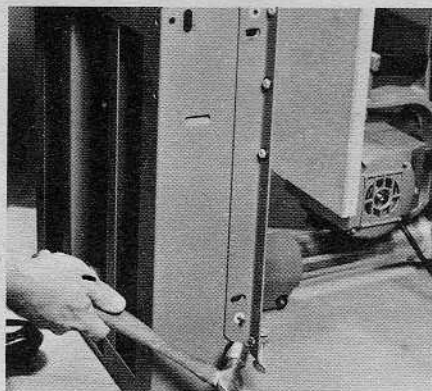
5. Remove two screws from arm end cap and wipe arm tracks with clean cloth.



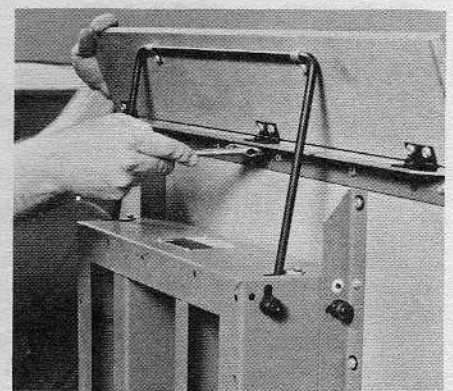
6. Insert motor assembly in arm. Be careful not to damage rip pointer on right side of assembly.



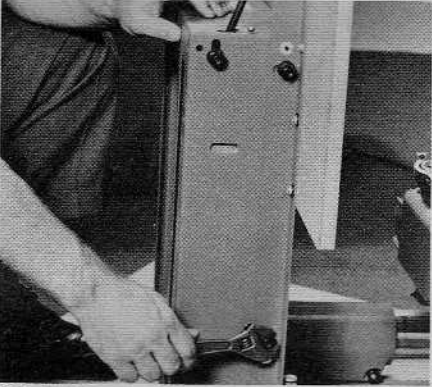
7. Fit table top assembly to machine frame so that four drilled holes (circled in white) match.



8. Mount table top assembly to frame by inserting four roll pins in matching holes provided. This will assure original factory adjustment.



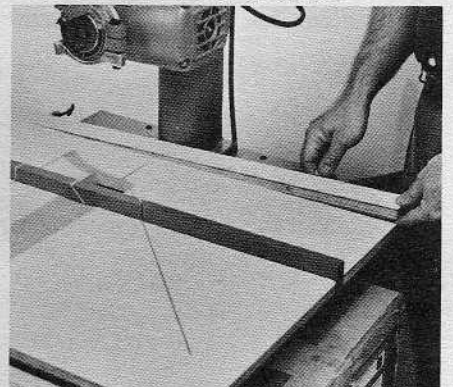
9. Attach three hinges of drop leaf extension (Note: extension not provided with Model 1200) and insert table hardware as shown in circles.



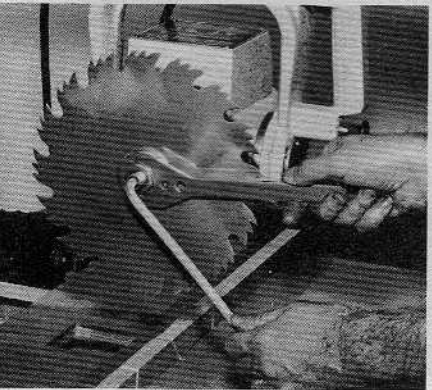
10. Tighten table support nuts.



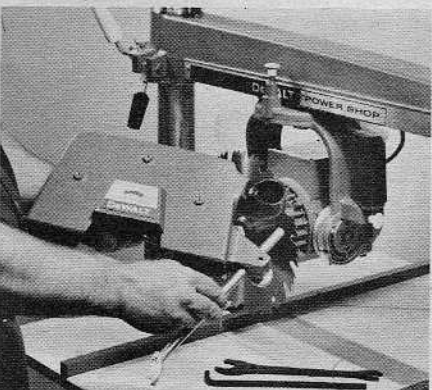
11. Lay spacer board on table top. Hold table extension parallel with table top, adjust and tighten support nut and bolt.



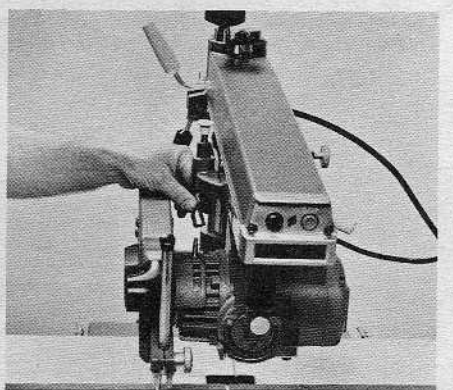
12. Assemble guide strip and spacer boards and secure with two thumb screws at rear.



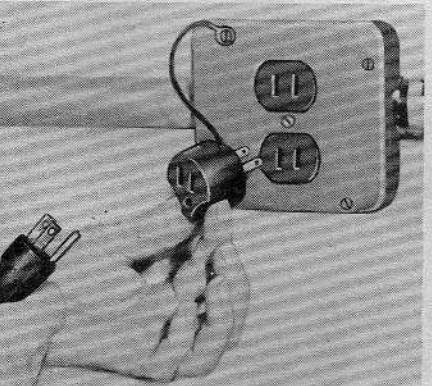
13. Place saw blade between collars (recessed portion against blade). Tighten arbor nut using both wrenches.



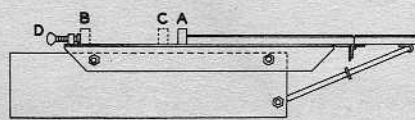
14. Assemble guard kick-back and elbow.



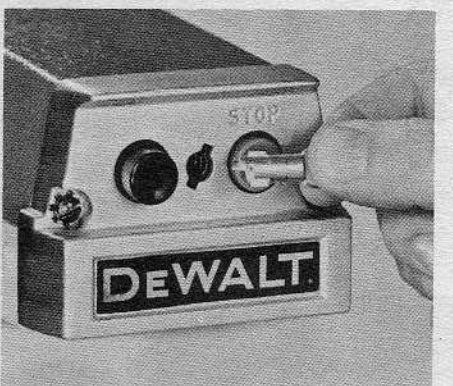
15. Enclose blade with guard and lock in place with wing nut.



16. If power outlet is not 3-prong grounded type, use adaptor as shown.



17. Place guide fence in position (A) for normal operations. For maximum cut-off (position C), for ripping wide panels (position B). To locate guide fence loosen thumb screws at rear (D), lift fence, position, and re-lock.



18. Insert key, unlock push button switch and you are ready for a lifetime of woodworking pleasure.

OPERATING INSTRUCTIONS

ARM ROTATES 360° RIGHT OR LEFT FOR MITER CUTS

Release clamp (B) and lift latch (C) . . . then easily swing the arm (A) into any right or left angle. The calibrated miter scale (D) is at eye-level and shows precisely the miter angle you want. The "built-in" stops at 0 and 45° automatically locate these popular, common angles. You get lifetime mechanical accuracy without human error. Also, you never shift the lumber for miters . . . DeWalt puts the saw at the exact angle and you pull across for perfect miter cuts everytime!

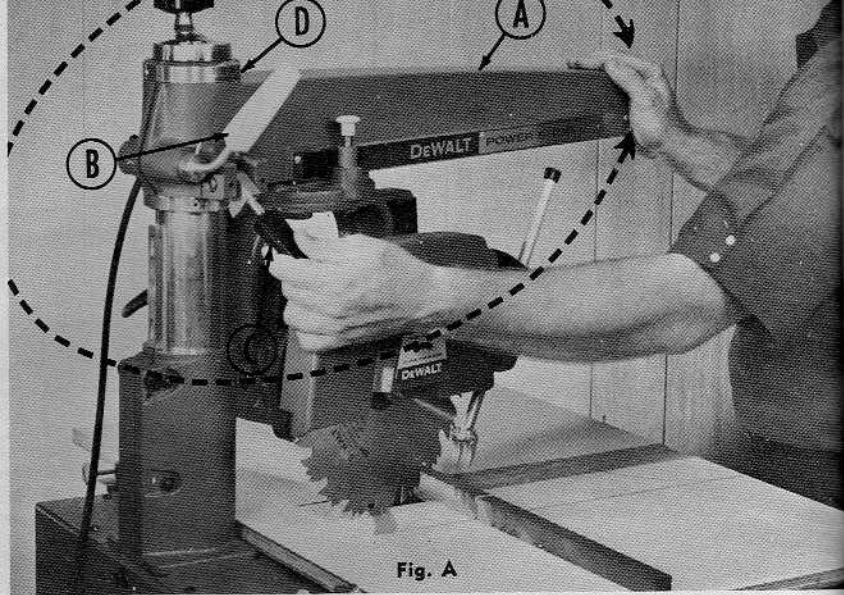


Fig. A

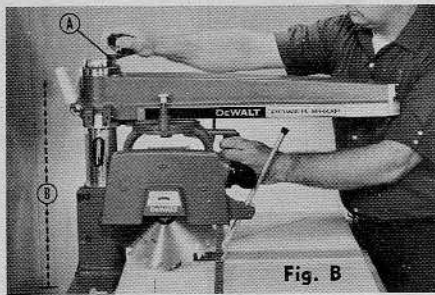


Fig. B

DeWalt measures for you . . . each full turn of the elevating knob (A) lifts or lowers (B) the arm exactly $\frac{1}{8}$ inch . . . one half turn gives you $\frac{1}{16}$ inch . . . actually pre-determines depth of cut. This is precision depth control at its finest.

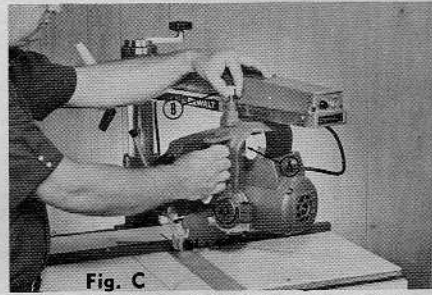


Fig. C

Saw Swivels 360° for Rip Cuts

It's easy. Release yoke clamp (A) and lift locating pin (B) . . . then swing yoke right or left. Automatically stops at all four 90° positions. Changes from cross cut to rip in less than five seconds!

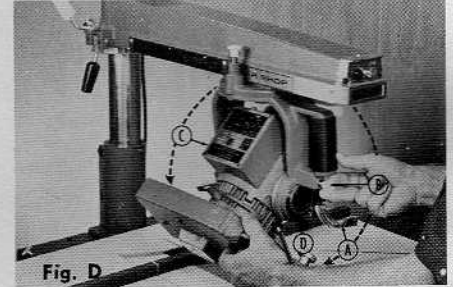


Fig. D

Saw Tilts for Bevel Cuts

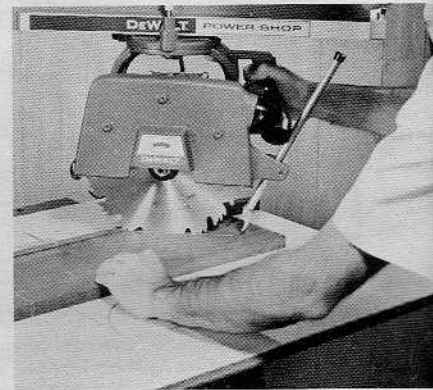
First, raise arm about 18 turns. Pull out clamp (A) and locating pin (B). Tilt motor (C) for angle desired on bevel scale (D) . . . Relock (A). Automatically locates popular 0, 45° and 90° bevel positions. There's no limit on bevel cuts.

CROSS CUT

Read Fig. A. Set arm at right angle to the guide fence, at 0° on the miter scale. With the miter latch in column slot at 0° position, securely lock arm with arm clamp handle. Place material on work table, against guide fence, draw saw blade across for the cut. After completing cut, return saw blade behind guide fence.

Read Fig. A. Release arm clamp handle, lift miter latch. Swing arm to desired angle shown on miter scale. For 45° miter cuts, right or left, locate the miter latch in the proper 45° column slot. Securely lock arm with clamp handle. Intermediate angles: lock arm in position with arm clamp handle only. Cutting action same as cross cut.

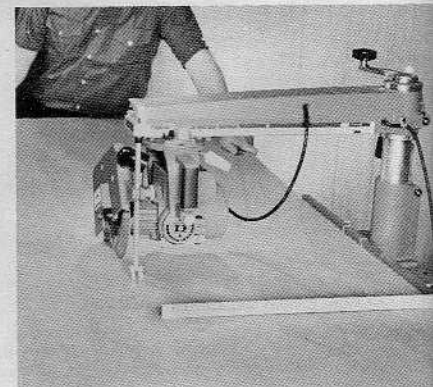
MITER

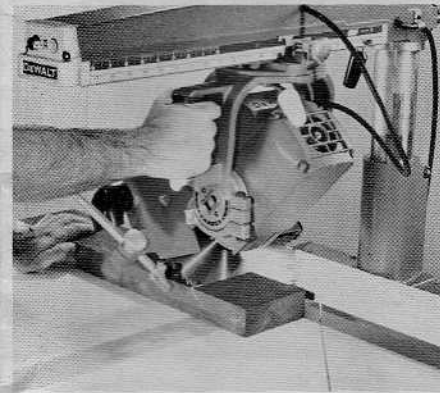


IN-RIP

Read Fig. C. Start with arm locked in cross cut position. Pull out motor to end of arm. Release yoke clamp handle and lift locator pin. Revolve motor 90°, right or left, for out-rip or in-rip position. Re-engage locator pin in proper yoke slot and lock yoke clamp handle. Locate saw for desired width of rip, using rip scale, and lock saw carriage by tightening rip lock against side of arm. Adjust safety guard so that it feeds end almost touches material. Lower kickback assembly so that fingers are approximately $\frac{1}{8}$ " lower than material. With material against guide strip, feed evenly into saw blade; give it a chance to cut. DO NOT FORCE. DO NOT FEED FROM KICKBACK SIDE OF GUARD. FOLLOW INSTRUCTIONS ON CAUTION TAG.

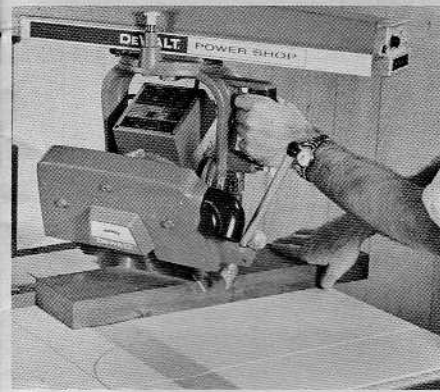
OUT-RIP





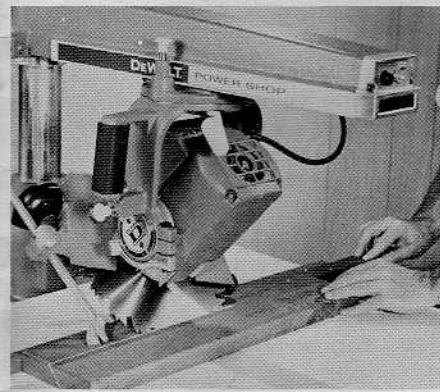
BEVEL CUT-OFF

Read Figs. B and D. Start in cross cut position. Elevate the saw by rotating crank on top of column. Pull out locating pin and release bevel clamp handle. Tilt motor in yoke to angle desired on bevel scale. Locating pin quickly locates 0°, 45° or 90° positions. If any other angle is desired, bevel clamp will hold motor rigidly in position.



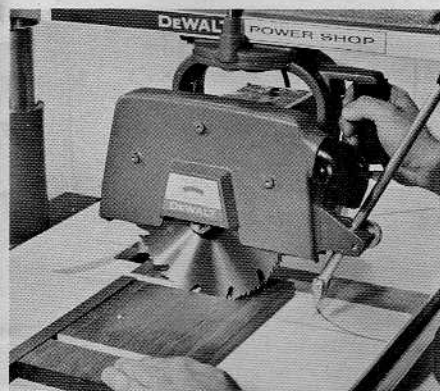
COMPOUND MITER

Read Figs. A, B and D. Start in bevel cut-off position. Lift miter latch, release arm clamp handle. Swing the arm into desired miter position, usually 45° or in-between angles, then relock arm clamp handle. Pull saw across for miter cuts. The compound miter cut is simply a combination bevel and miter cut.



BEVEL RIP

Read Figs. B, C and D. Start in bevel cross-cut position as described above. Now, place the saw into rip position and (using rip lock) lock securely against arm at desired point. Be sure to lower guard at in-feed position, adjust the kickback device and then use a wood "pusher" stick to further prevent kickback.

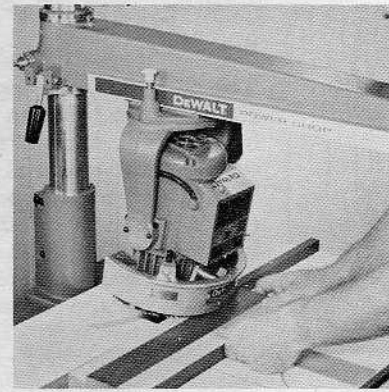
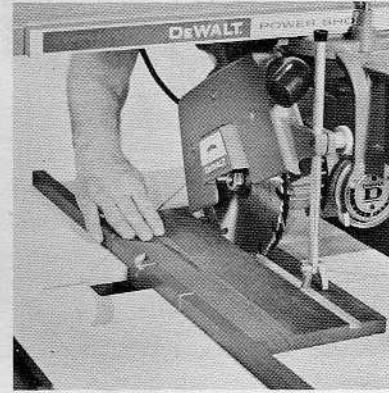


DADO

Replace saw blade with dado head. Use for across or angle dado cuts same as saw blade. When determining depth of cut, simply lower dado until it just touches top of material. Then lower dado head as desired. Each full turn equals 1/8", one-half turn 1/16", etc. Wide dado cuts can be made by making successive passes across the material, cutting in either direction.

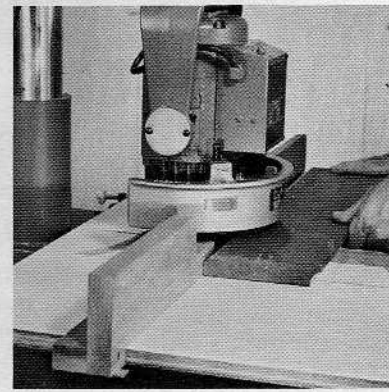
PLOUGH

This operation is done with dado head in RIP position. Lower dado head for depth of cut desired, then lock carriage securely against machine arm. Be sure to adjust safety guard on in-feed side, lower kickback assembly to hold material. When starting cut, hold material firmly down on table and back against guide. Feed evenly.



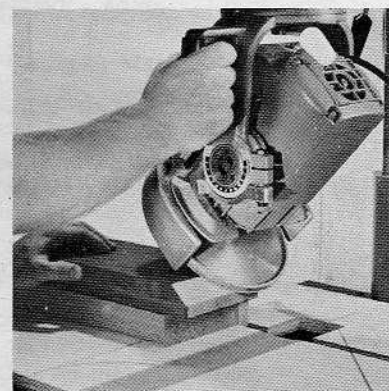
RABBET

Re-read Figs. B, C and D. First, elevate arm until motor locates in 90° vertical position. Place shaper guard over dado head. Swivel motor into rip position so that guard sets above material. Use column crank, also rip lock to set dado for cut desired. Feed material evenly, firmly against guide. Tilt motor for bevel rabbet cuts.



SHAPE

Place shaper cutter on motor arbor; cover with shaper guard. Now, set up the machine in the same position as RABBET. Set shaper cutter for the profile desired. Lock saw carriage securely, adjust shaper guard so that it just clears the material. Feed the material firmly and evenly into the shaper cutters. Maintain positive pressure.



DISC SANDER

Place disc sander directly on motor spindle. Locate disc sander wherever desired on machine. For bevel and surface sanding only, place shaper guard over the disc sander. For finish work on angles, use work support fixture. For surface sanding tilt the disc sander into vertical position. Feed the material evenly for best results. Use finer paper for final finish.

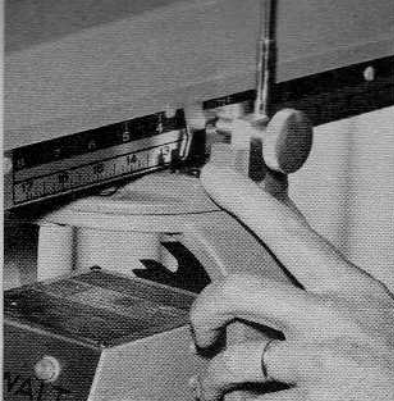


Figure 1

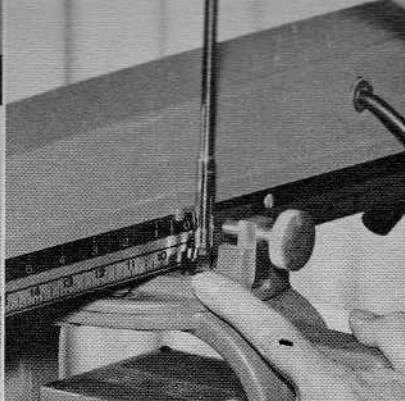


Figure 2



Figure 3

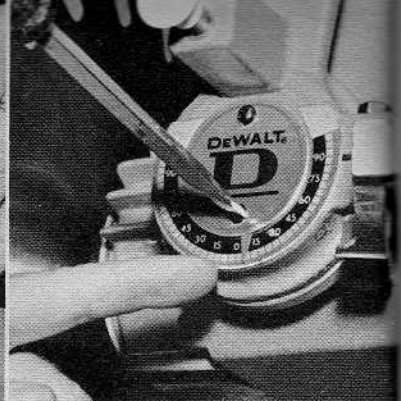


Figure 4

ADJUSTMENTS AND ALIGNMENTS

Adjustment of Scales

Rip Scale

The Rip Scale is located on the right side of the Radial Arm. When the motor is positioned with motor arbor toward the column it is called "in rip" position, and material should be fed from right to left. When the motor arbor is positioned toward the operator it is called "out rip" and material is fed from left to right. When "in ripping" width dimensions are located on the top of the scale and when "out ripping" on the bottom of the scale by use of the reference pointers. The pointers are adjustable and must be readjusted only when gauge (thickness) of blade is changed.

To adjust:

"In rip" (figure 1)

- Place the motor in "in rip" and move the motor on the arm until the saw blade just touches the guide fence.
- Loosen two screws on pointer base and move pointer until edge aligns with 0 on the top scale. Tighten back screw.

"Out rip" (figure 2)

- Place a board of known width against the guide strip, position motor in "out rip" position and move the motor until the blade just touches the material.
- Loosen front screw only and move bottom pointer until the edge aligns with dimension on the lower scale of the known width of board. Tighten screw.

Miter Scale (figure 3)

The miter scale is located at the top rear of the arm. When the arm is positioned for straight cross-cut the pointer should be at 0 on the scale. To adjust loosen the screw holding the pointer, adjust, and tighten.

Bevel Scale (figure 4)

The bevel scale is located at the front of the motor. When the motor is positioned for vertical cutting pointer should be at 0 on the scale. To adjust loosen the lower screw, move the pointer to 0 and tighten.

ALIGNMENT PROCEDURE

All DeWalt machines are thoroughly tested, inspected, and accurately adjusted before leaving the factory. Rough handling in shipment can, at times, affect adjustments. Because of this we recommend alignment check before operation. You will also find that because of overload and various excessive stresses and strains realignment and minor adjustments may periodically become necessary to maintain complete accuracy.

Provisions are made for complete adjustment of all positions so that your DeWalt Machine can be kept accurate for its entire life. A description of each of these adjustments follows and should be performed in the sequence listed.

1. CHECK TABLE TOP AND GUIDE FENCE

The table top assembly and guide strip are checked for straightness with a master straight edge before leaving the factory. As all wood products must "breathe" and are affected by various humidity conditions, a slight change from factory conditions may sometimes be found. Straightness of top and Guide Strip, with Clamp Screws (at rear of table) tight, should be checked with a square or straight edge. Correction can be made only by sanding. A slight variation from perfect straightness of table top will not normally affect the average woodworking requirements. Do not use a level except as a straight edge. (This check is for straightness, not levelness with floor.)

NOTE: You may desire to place a hardboard or plywood protective top on the section of table top in front of the guide fence until you are more familiar with the operation of your machine. This procedure will eliminate excessive cutting into permanent top and, like the guide fence, is easily replaced when necessary. Be sure you countersink finishing nails and place them so as not to be in line with cutting tools.

2. ADJUSTMENT OF YOKE CLAMP HANDLE (figure 5)

The purpose of this handle is to provide a friction lock between the upper face of the yoke and the bottom face of the rollerhead. It should also eliminate any play between these two parts. In operating position the yoke clamp handle is pushed back from

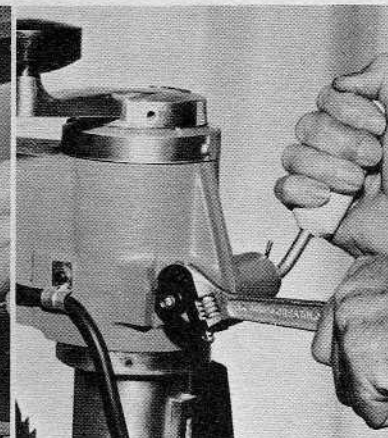
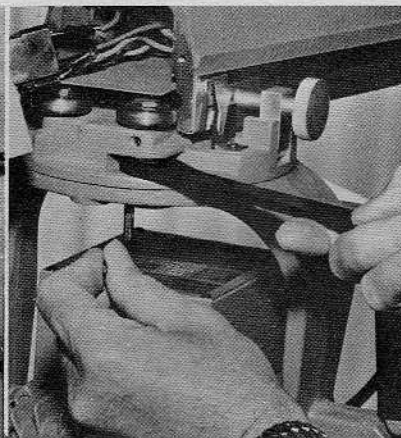
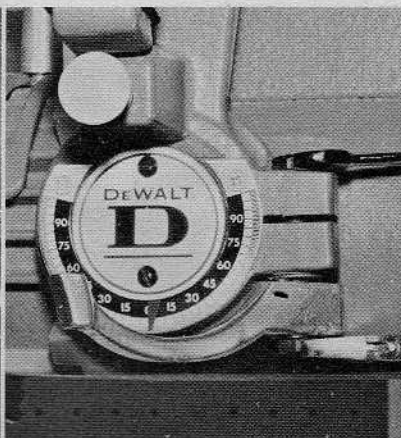
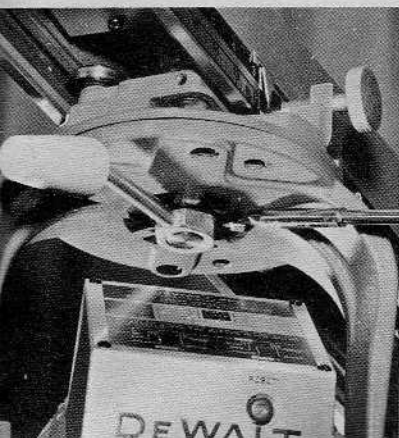


Figure 5

Figure 6

Figure 7

Figure 8

the hand grip of the yoke. If, at any time, it is possible to move this handle so that it strikes the rear leg of the yoke, it is not in proper adjustment. Its proper position for machine operation is approximately 90° or less to the hand grip of the yoke.

To readjust:

- (a) Pull yoke clamp handle forward to release friction locking action.
- (b) Insert screw driver between the yoke and the notched clamp adjustor. Flex the adjustor downward just enough to pass over the lug stop on the yoke.
- (c) Rotate clamp adjustor as necessary (to tighten, counter-clockwise; to loosen, clockwise). Be sure the notch in the adjustor is positioned properly over the yoke lug stop at final setting.

NOTE: If difficulty is encountered in making the above adjustment we suggest that you remove the arm end cap and slide the entire motor, yoke and rollerhead assemblies from the arm. This will provide access to the king bolt and by turning this with a screw driver it will assist in the above adjustment procedure.

3. ADJUSTING BEVEL CLAMP HANDLE

(figure 6)

The purpose of the Bevel Clamp Handle is to hold the motor rigidly at any angle. This is accomplished by the cam action of the top of the clamp tightening the split portion of the yoke around dial plate. In locked position it should be flush with and under bevel scale and hold motor rigidly at the angle desired.

To adjust:

- (a) Loosen Bevel Clamp Handle by pulling left side away from motor.
- (b) While holding bottom head of Cap Screw with a wrench tighten or loosen the top jam nut as necessary.

4. ADJUSTING ROLLERHEAD BEARINGS TO ARM TRACKS (figure 7)

The rollerhead is suspended by four special tolerance, grease-packed, double shield ball bearings. These

bearings are mounted on two straight bearing shafts and two eccentric bearing shafts. In proper adjustment the top and bottom radii of all four bearings should be in contact with arm tracks for their entire length and head should roll freely.

To adjust:

- (a) Remove arm end plate.
- (b) Bring motor, yoke and rollerhead assemblies to the end of arm.
- (c) Loosen two set screws located at the right side and front and rear of the rollerhead as they lock the eccentric bearing shafts in place.
- (d) Release yoke clamp handle by pulling forward. Disengage locating pin by lifting plastic knob and swivel motor 90 degrees to "in rip" position.
- (e) Loosen hex jam nuts on right side, front and rear.
- (f) Insert socket wrench in recess at bottom of shafts and turn bearing shaft until the ball bearing touches the arm track on both top and bottom radii. Repeat for both eccentric shafts.

CAUTION: Do not tighten too much. Bearings should only be sufficiently tightened so that they roll and do not slide. Be sure tracks are clean.

- (b) While holding each eccentric shaft in adjustable position with the set screw wrench tighten jam nuts and relock set screws. Replace arm end cap.

5. ADJUSTING ARM CLAMP HANDLE

(figure 8)

The Arm Clamp Handle holds the arm in desired position for cross-cut or miter work. When tightened it should be in upright (vertical) position. If, when tightened, this handle goes beyond this position, it should be adjusted as follows:

- (a) Remove Cotter Pin by tapping from bottom to top.
- (b) Tighten left-hand nut as necessary.
- (c) Replace cotter pin.

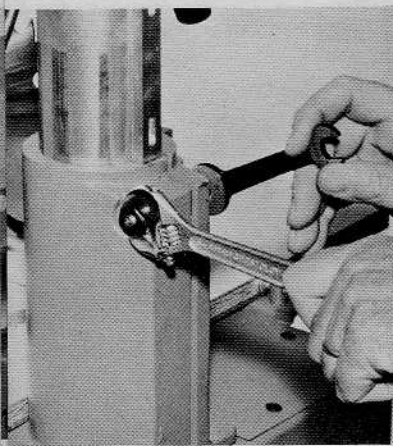


Figure 9

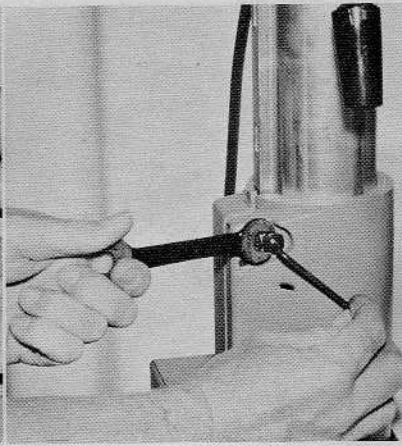


Figure 10

6. ADJUSTING BASE TO COLUMN

(figures 9 and 10)

If, after the Arm Clamp Handle is tightened, you have side motion at the end of the arm and this is caused by the Column rotating in the base it indicates adjustment of the base or column key gib is necessary.

To adjust: (Face rear of machine)

- (a) Loosen all base hardware above table frame level (5 pieces). There are: two pinch bolts with lock nuts (top and bottom), two set screws with lock nuts (top and bottom), and one set screw without lock nut (top only).
- (b) Elevate and depress column. If base is too tight around the column causing binding tighten the small set screw (the one without lock nut at top of base) until column moves freely. If base is not too tight leave this set screw loose.
- (c) Tighten the base pinch bolts (top and bottom) by turning the bolt heads on right side until the base fits snugly around the column diameter but column elevates and depresses freely. Lock with nuts on left side.
- (d) To prevent side motion of the arm (rotation of column) tighten the top and bottom set screws so that the column key gib (brass plate) is forced against the column key. Be careful you do not tighten to the point of binding with resulting hindrance to the elevating. Lock by tightening jam nuts.
- (e) Tighten small set screw (the one without lock nut) at top of base if you have not already done so in "b" above.

7. ADJUSTING TABLE TOP PARALLEL WITH ARM (figure 11)

The table top surface must be parallel with the horizontal plane of the arm tracks.

To check this alignment:

- (a) Insert the arbor nut wrench or a piece of steel about 10" long between the saw arbor collars.
- (b) Elevate or depress saw that when swinging arbor wrench on the motor arbor the bottom of it just touches the table top.

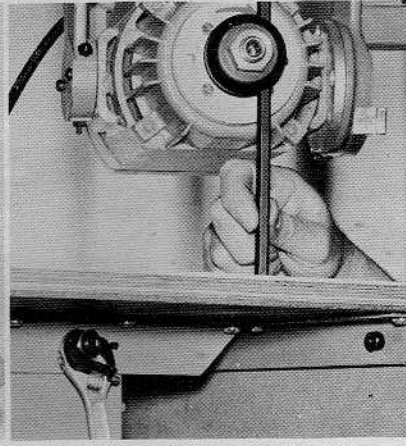


Figure 11

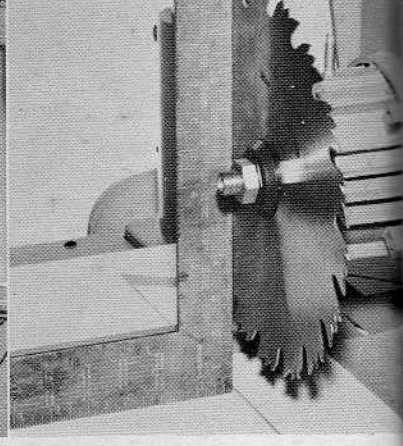


Figure 12

- (c) Locate the highest spot on the table over adjusting cleats by moving the arm on the column and the rollerhead along the arm tracks.
- (d) If the bottom of the arbor wrench in vertical position does not "just touch" the table top at all positions over the cleats adjustment is necessary.

To readjust:

- (a) Remove and discard the four roll pins locking the cleats to the table frame.
- (b) Loosen all locking nuts at the sides of the table frame except the one holding the highest point of the table as determined above.
- (c) Elevate the low sections to the same elevation as the highest and tighten all lock nuts.

8. ADJUSTING BLADE PERPENDICULAR TO WORK TOP (figures 12 and 13)

With the arm in cross-cut position, all latches engaged and all clamp handles locked place a steel square with one angle on the table top parallel to guide strip and the other angle against the flat of the saw blade (place in saw blade gullets and not against teeth because of tooth set). If blade is not flat against square, adjust as follows:

- (a) Remove name plate by removing two screws.
- (b) Loosen two outside socket head screws.
- (c) Loosen bevel clamp handle.
- (d) Tilt motor until blade is flat against the square and again lock (very firmly) socket head screws. Replace name plate.

NOTE: In some cases it will be found necessary to also loosen center cap screw in order to adjust motor.

9. ADJUSTING CROSS CUT TRAVEL WITH GUIDE FENCE (figures 14 and 15)

With the miter latch engaged and arm clamp handle locked, place a wide board (1" x 12" if available) against the guide strip. Cross-cut this board with a set tooth blade. Check cut with a steel square. If cut is not square, the arm is out of alignment with the guide fence.

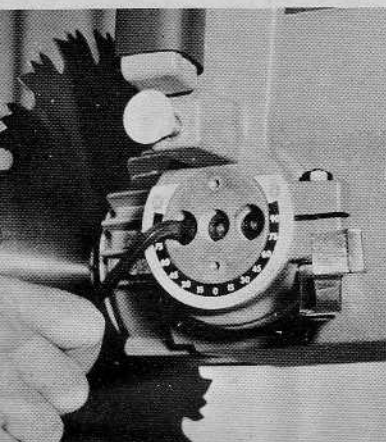


Figure 13

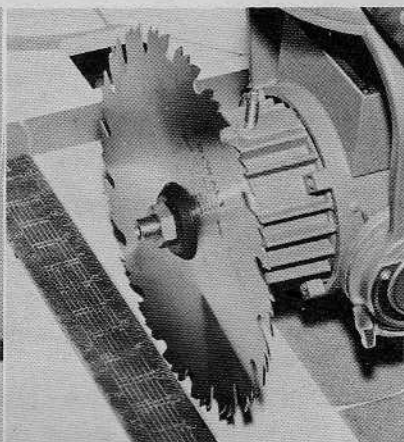


Figure 14

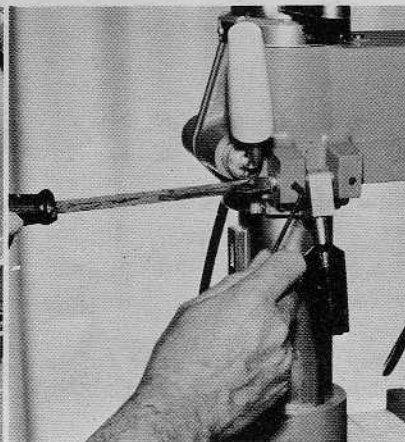


Figure 15

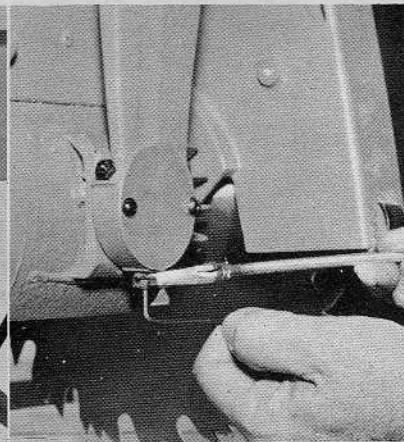


Figure 16

To readjust:

- (a) Loosen arm clamp handle.
- (b) Loosen two set screws.
- (c) Lay steel square on table top with one angle against guide fence and the other at angle of 0° cross-cut.
- (d) Move saw carriage and blade forward along steel square to determine which way arm must be adjusted.
- (e) If saw blade moves toward square as it comes forward, disengage miter latch. With screw driver loosen rear adjusting screw, re-engage miter latch. Check and repeat if necessary.
- (f) If saw blade moves away from square as it comes forward, disengage miter latch. Loosen front adjusting screw and tighten rear adjusting screw, re-engage miter latch. Check and repeat if necessary.
- (g) When saw travel is parallel to square for entire length, lock adjusting screws in place by retightening set screws.

10. ADJUSTING CROSS-CUT TRAVEL PARALLEL TO ARM TRACKS (figure 16)

Both the leading and trailing teeth of the saw blade should travel in the same plane parallel to the arm tracks. To check, place a board 4" x 1" or larger against the right side of the guide fence. With the machine in 0° cross-cut position and all locks and latches engaged, end trim this stock by allowing only the front teeth of the blade to clear the stock and the rear teeth remaining in the cut. Now remove the stock by sliding to the right before returning the cutting head to the back of the arm. Examine the cut edge of the stock. If blade marks of the rear teeth are prominent on the cut stock the rear teeth are not exactly following the front teeth and adjustment is necessary. (The arcs of the rear teeth start at the bottom front of the stock and travel up and back.) Repeat this same operation with the stock against the left side of the guide fence. To adjust

when marks are on stock cut on right side:

- (a) Disengage bevel clamp handle.
- (b) Loosen right and left lock nuts at rear of yoke.
- (c) Loosen left set screw about $1/6$ turn and tighten right set screw.
- (d) Retighten lock nuts and bevel clamp handle.
- (e) Recheck as above by cutting.

To adjust when marks are on stock cut on left side:

- (a) Disengage bevel clamp handle.
- (b) Loosen right and left lock nuts.
- (c) Loosen right set screw about $1/6$ turn and tighten left set screw.
- (d) Retighten lock nuts and bevel clamp handle.
- (e) Recheck as above by cutting.

After left and right adjustments have been made, tilt the motor to 45° bevel cross-cut position and again make cuts on 2" x 4" stock as was done in cross-cut position. If tooth marks again appear the motor is too high or low in the rear of the yoke.

To adjust when marks appear on bottom side of cut (left-hand piece of stock):

- (a) Disengage bevel clamp handle.
- (b) Loosen all lock nuts.
- (c) Loosen right set screws about $1/6$ turn and tighten bottom set screw.
- (d) Retighten lock nuts and bevel clamp handle and recheck as above by cutting.

To adjust when marks appear on upper side of cut:

- (a) Disengage bevel clamp handle.
- (b) Loosen all lock nuts.
- (c) Loosen bottom set screw about $1/6$ turn and tighten right set screws.
- (d) Retighten lock nuts and bevel clamp handle and recheck as above by cutting.

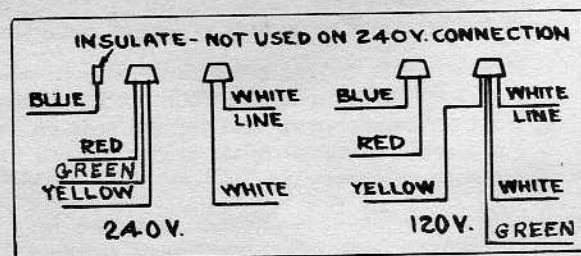
MAINTENANCE AND OPERATION

1. Do—Connect to power supply with not less than number 12 size wire.
2. Do—Protect line with 15 ampere *time delay* fuse.
3. Do—Be sure blade rotates clockwise when facing arbor.
4. Do—Be sure all clamp handles are tight before starting any operation. Push back to tighten. Pull to loosen.
5. Do—Be sure blade and arbor collars are clean and recessed side of collars are against blade. Tighten arbor nut securely, using both wrenches provided.
6. Do—Keep saw blade sharp and properly set.
7. Do—Use anti-kickback attachment on guard.
8. Do—Keep arm tracks and bearing surfaces clean and dry. Periodic cleaning with dry cleaner is recommended.
9. Do—Periodically recheck alignment.
10. Do—Loosen clamp screws at rear of table when machine is not in use.
11. Do—Remove blade but not arbor collars and nut when using rear shaft.

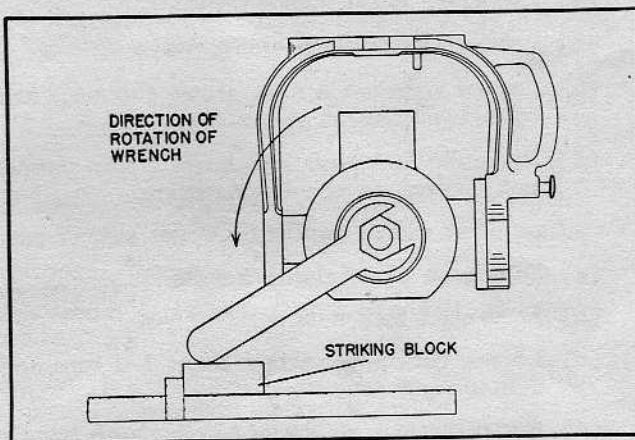
1. Don't—Attempt to operate on anything but designated voltage.
2. Don't—Operate unless all clamp handles are tight.
3. Don't—Use blades of larger diameter than recommended.
4. Don't—Remove anti-kickback from guard.
5. Don't—Rip from wrong direction—observe caution tag on guard.
6. Don't—Oil or grease arm tracks or motor.
7. Don't—Wedge anything against fan to hold motor shaft.
8. Don't—Subject table top to variable humidity conditions (keep away from damp place).
9. Don't—Force cutting action. Stalling or partial stalling of motor can cause major damage to motor winding.
10. Don't—Remove saw blade guard when boring.
11. Don't—Remove arbor collars and nut when using rear shaft.

VOLTAGE CONNECTIONS FOR SINGLE PHASE

1. Model 1400 machine is equipped with a dual voltage motor 120/240 V. Model 1200 is 120 V only.
2. To change from originally connected voltage, remove specification plate, unscrew insulators, and reconnect as per diagram.
 - (a) Be careful not to exert any undue strain on wires or tamper with permanent solder connections.
 - (b) Connection marked "White Line" is the power supply line.



DIRECTIONS FOR REMOVING ARBOR NUT

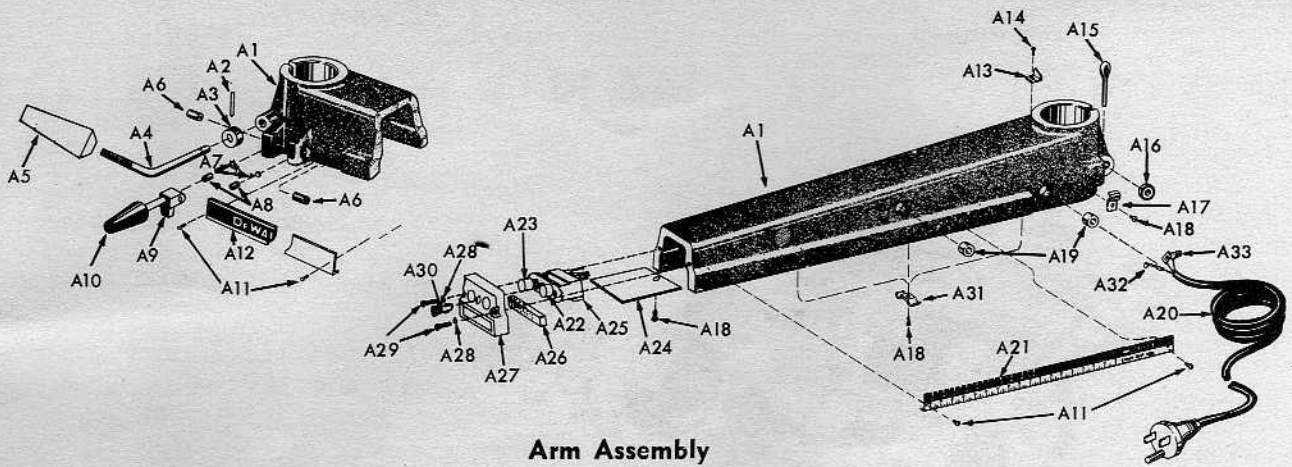


1. Fit 5/16" Allen wrench into front end of motor shaft. (This is a holding wrench only.)
2. Fit large wrench on arbor nut as nearly parallel to first wrench as possible.
3. While holding first wrench stationary with right hand, use downward pressure of left hand on second wrench and nut will loosen.

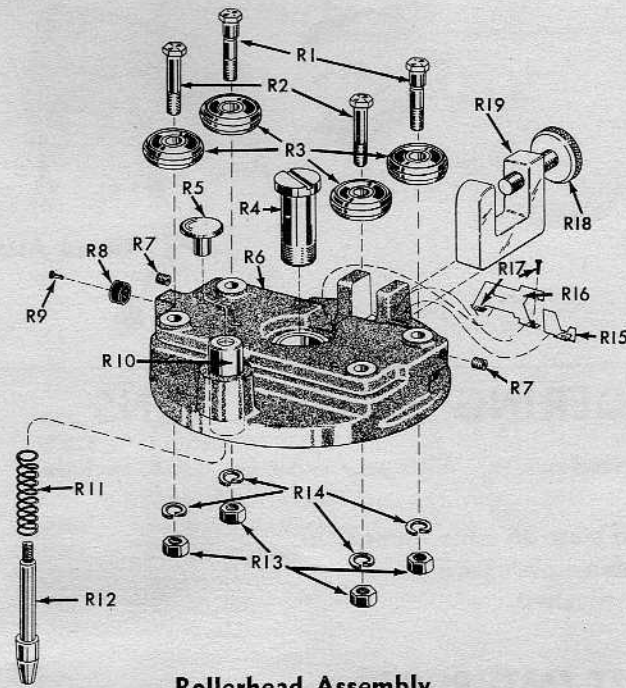
In cases of extreme tightness use the following method:

1. Lock rollerhead to arm with rip lock assembly.
2. Fit wrench to arbor nut only.
3. Place striking block of wood as shown in figure below.
4. While holding wrench on arbor nut strike end of wrench on wood block in counter-clockwise direction as shown in figure at left.

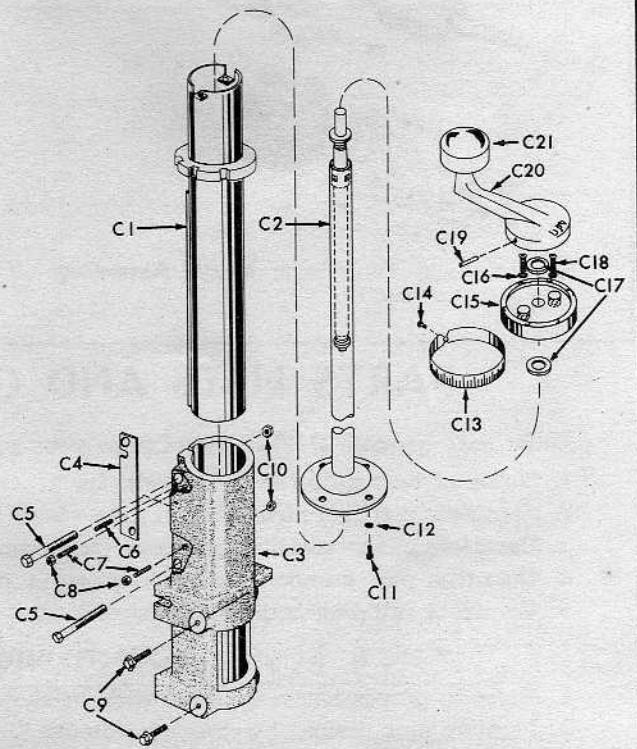
(Caution—Never wedge anything against fan.)



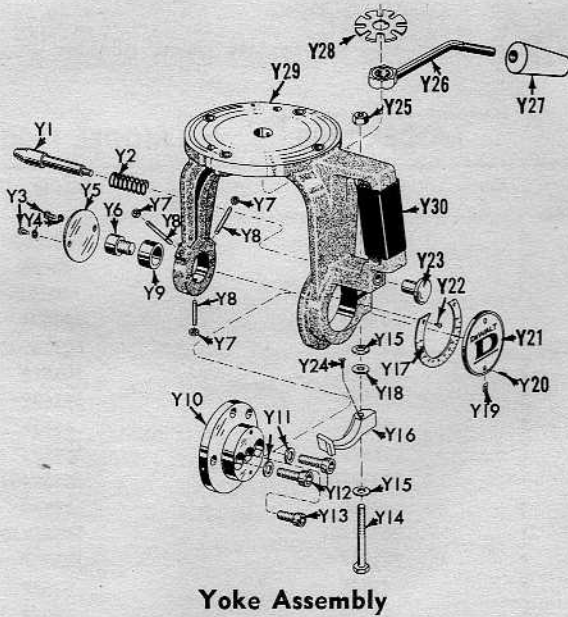
Arm Assembly



Rollerhead Assembly



Base and Column Assembly



Yoke Assembly

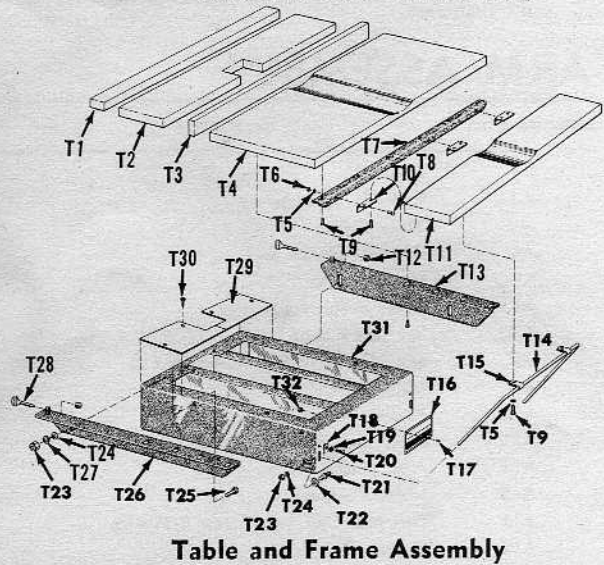
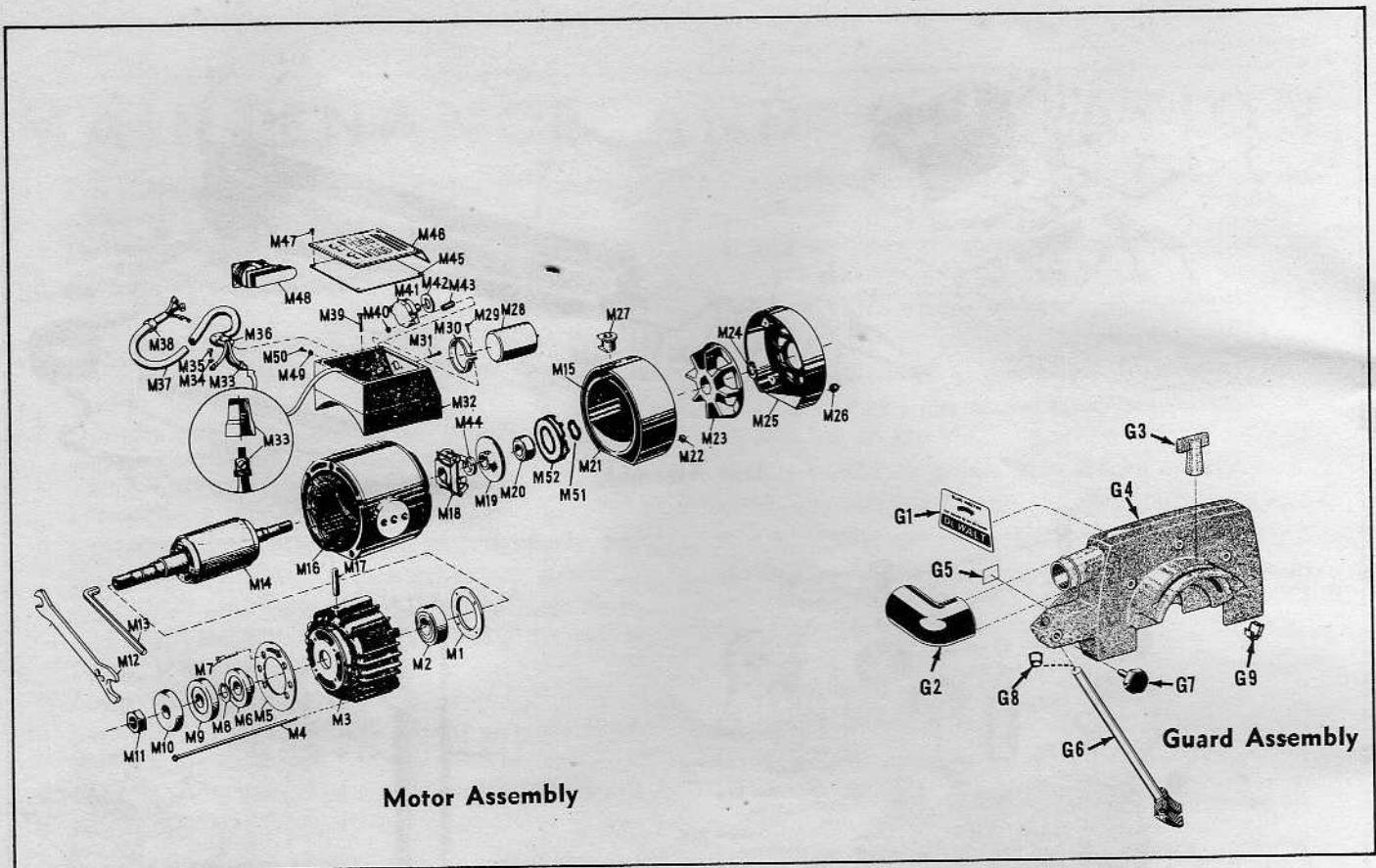


Table and Frame Assembly



PARTS LISTS AND ORDERING INSTRUCTIONS

Order only genuine DeWalt Parts from your authorized dealer. With your order be sure to include:

1. Name of manufacturer. (DeWalt, Inc.)
2. Complete machine identification data (from name plate on table frame).
3. Complete motor identification data (from motor name plate).
4. Quantity, part number, and description of parts required.
5. Complete shipping and billing instructions.

HOW TO IDENTIFY PARTS DESIRED

1. Refer to proper assembly illustration as shown on pages 11 and 12.
2. Identify part desired by drawing number.
3. Refer to proper part list covering this assembly (pages 12 through 15) to identify name of part and part number.

ARM ASSEMBLY

MODEL 1200

MODEL 1400

Identification	Description	Quantity	Part No.	Quantity	Part No.
A1	Arm	1	20316501	1	20316500
A2	Roll Pin $\frac{1}{8} \times 1\frac{3}{4}$	1	42185	1	42185
A3	Plain Collar	1	100341	1	100341
A4	Clamp Handle Rod	1	203574	1	203574
A5	Handle Grip	1	20358501	1	20358500
A6	Miter Adjusting Screw	2	103525	2	103525
A7	Set Screw Slug	2	103522	2	103522
A8	Soc. Cup Pt. Set Screw $\frac{1}{4} \times \frac{1}{4}$	2	46101	2	46101
A9	Miter Latch	1	203577	1	203577
A10	Handle Grip	1	20358401	1	20358401
A11	Elec. Hd. Self Tap Screw 6-32 x $\frac{1}{4}$	3	43580	6	43580
A12	Arm Name Plate	1	20307401	1	20362400
A13	Miter Pointer	1	203597	1	203597
A14	Pan Hd. Self Tap Screw 8-32 x $\frac{1}{4}$	1	43577	1	43577
A15	Cotter Pin $\frac{1}{4} \times 1$	1	42018	1	42018
A16	L. H. Hex Nut	1	41174	1	41174

ARM ASSEMBLY (Continued)

Identification	Description	Quantity	Part No.	Quantity	Part No.
A17	Cable Strap	1	30901	1	30901
A18	Phillips Hd. Self Tap Screw 8-32 x 3/8	5	43518	5	43518
A19	Lead Bushing	2	119307	2	117104
A20	Plug and Cable Set	1	203198	1	203198
A21	Rip Scale	1	203822	1	203756
A22	Switch Button (Red)	1	20707001	1	20707001
A23	Switch Button (Black)	1	20707000	1	20707000
A24	Switch Support	1	207062	1	207062
A25	Switch	1	203194	1	203194
A26	Bumper	1	203065	1	203065
A27	Arm End Cap	1	20320702	1	20320701
A28	Lock Washer #10	2	48903	2	48903
A29	Fill. Hd. Mach. Screw 10-24 x 3/4	2	45713	2	45713
A30	Switch Key	1	207060	1	207060
A31	Cable Clip	3	30007	3	30007
A32	Knife Disconnect Lug	1	30513	1	30513
A33	Connector	2	30531	2	30531

ROLLERHEAD ASSEMBLY

MODEL 1200

MODEL 1400

Identification	Description	Quantity	Part No.	Quantity	Part No.
R1	Shaft, Bearing (Eccentric)	2	100418	2	100418
R2	Shaft, Bearing (Concentric)	2	100417	2	100417
R3	Bearing	4	22101	4	22072
R4	King Bolt	1	203087	1	203087
R5	Knob, Plastic	1	3750701	1	3750700
R6	Rollerhead	1	20356300	1	20356300
R7	1/4-20 x 1/4 Hol. Cup Set Screw	1	46101	2	46101
R8	Bumper	1	23506	1	23506
R9	#6 x 3/8 Drive Screw—Type U	1	43503	1	43503
R10	Bushing, Locating Pin*	1	100440	1	100440
R11	Spring, Latch	1	101506	1	101506
R12	Locating Pin	1	100432	1	100432
R13	5/16-24 Hex Nut	4	41165	4	41165
R14	5/16 Lock Washer	4	48806	4	48806
R15	Pointer, Out-rip	1	203821	1	203765
R16	Pointer, In-rip	1	203764	1	203764
R17	Screw, Pan Hd., Self Tap #6-32 NC x 5/16	2	43559	2	43559
R18	Clamp Screw	1	203630	1	203630
R19	Rip Lock	1	203749	1	203749
	Complete Assembly		20359001		20359000

*Part of and available only with Part R6.

BASE AND COLUMN ASSEMBLY

MODEL 1200

MODEL 1400

Identification	Description	Quantity	Part No.	Quantity	Part No.
C1	Column	1	20313800	1	20313800
C2	Support Tube and Bridge Assembly	1	20322000	1	20322000
C3	Base	1	20364100	1	20364100
C4	Gib	1	203638	1	203638
C5	Hex Hd. Cap Screw, 3/8-16 x 2 1/2	2	42806	2	42806
C6	Socket Cup Set Screw Pt. 1/4-20 x 5/8	1	46166	1	46166
C7	Socket Flat Pt. Set Screw 1/4-20 x 1	2	46421	2	46421
C8	Jam Nut, 1/4-20 NC	2	41351	2	41351
C9	Sems Hex Hd. Cap Screw 5/16-18 x 3/4	6	42805	6	42805
C10	Jam Nut, 3/8-16 NC	2	41353	2	41353
C11	Button Socket Hd. Cap Screw #10-24 x 1/2	4	43003	4	43003
C12	Lock Washer #10	4	48803	4	48803
C13	Miter Scale	1	20360200	1	20360200
C14	Drive Screw, Type "U" #6 x 1/4	1	43604	1	43604
C15	Thrust Cap	1	203661	1	203661
C16	Lock Washer 1/4	2	48805	2	48805
C17	Shim Washer	2	10024500	2	10024500
C18	Rd. Hd. Mach. Screw, Phill 1/4-20 x 1	2	43693	2	43693
C19	Crank Pin	1	20356900	1	20356900
C20	Elevating Arm	1	20366000	1	20366000
C21	Elevation Grip	1	20358600	1	20358600
	Complete Assembly		203643		203643

YOKE ASSEMBLY

MODEL 1200

MODEL 1400

Identification	Description	Quantity	Part No.	Quantity	Part No.
Y1	Locating Pin	1	119510	1	119510
Y2	Latch Spring	1	101506	1	101506
Y3	10-24 x 3/8 Rd. Hd. Screw	2	45219	2	45219
Y4	#10 Lock Washer	2	48803	2	48803
Y5	Safety Plate	1	101116	1	101116
Y6	Support Screw	1	203111	1	203111
Y7	#10-24 Hex Nut	3	41153	3	41153
Y8	#10-24 x 1 Soc. Cup Pt. Set Screw	3	46163	3	46163
Y9	Trunnion Bushing	1	119508	1	119508
Y10	Dial Plate	1	303039	1	303039
Y11	Washer	2	203085	2	203085
Y12	5/16-18 x 1 1/4 Soc. Hd. Cap Screw	2	42908	2	42908
Y13	3/8-16 x 1 Soc. Hd. Cap Screw	1	42905	1	42905
Y14	5/16-18 x 2 1/2 Hex Hd. Cap Screw	1	42741	1	42741
Y15	Washer	2	48582	2	48582
Y16	Bevel Handle	1	203589	1	203589
Y17	Bevel Protractor	1	203642	1	203642
Y18	Washer	1	203663	1	203663
Y19	Bevel Pointer	1	203588	1	203588
Y20	#8-32 x 1/4 Rd. Hd. Mach. Screw	2	43655	2	43655
Y21	Medallion	1	203587	1	203587
Y22	#6-32 x 1/4 Flat Hd. Screw (Phil)	2	44491	2	44491
Y23	Plastic Knob	1	3750701	1	3750700
Y24	#4-40 x 1/4 Pan Hd. Screw	1	43578	1	43578
Y25	5/16-18 Hex Jam Nut	1	41352	1	41352
Y26	Clamp Assembly	1	203572	1	203572
Y27	Handle	1	20358401	1	20358400
Y28	Yoke Clamp Adjuster	1	203264	1	203264
Y29	Yoke	1	203656	1	203656
Y30	Grip	1		1	20360800

TABLE AND FRAME

MODEL 1200

MODEL 1400

T1	Spacer Board			1	203067
T2	Back Board	1	203755	1	203066
T3	Guide Strip	1	119719	1	119719
T4	Fixed Board	1	203773	1	203616
T5	Lock Washer 1/4			5	48805
T6	Hex Nut, 1/4-20 NC			3	41155
T7	Front Cleat	1	203098	1	203098
T8	Hex Indented Hd. Cap Screw, 1/4-20 x 5/8			3	42781
T9	Table Screw	14	201287	22	201287
T10	Hinge			3	9324
T11	Extension Board			1	203100
T12	Clamp Shoe	2	201356	2	201356
T13	Right Hand Cleat and Stud	1	203159	1	203159
T14	Support			1	20310200
T15	Extension Strap			2	3092000
T16	Machine Name Plate	1	30109428	1	30109423
T17	Drive Screw, Type U, #4 x 3/16	4	43502	4	43502
T18	Safety Latch			2	20311500
T19	#10 Lock Washer			2	48803
T20	Self Tap Screw, Rd. Hd. #10-32-NF x 1/2			2	43542
T21	Support Stud			2	20311400
T22	External Everlock Washer, 3/8			2	48924
T23	Hex Nut, 3/8-16 NC	4	41157	6	41157
T24	Flat Washer 3/8 SAE	4	48705	6	48705
T25	Machine Bolt, Sq. Hd. 3/8-16 NC x 3/4	4	40301	4	40301
T26	L. H. Cleat and Stud	1	203160	1	203160
T27	Lock Washer 3/8	4	48807	4	48807
T28	Clamp Screw	2	201355	2	201355
T29	Cover Plate			1	20363900
T30	Phill Truss Hd. Screw, #10-12 x 3/8 Type A			4	43614
T31	Table Frame Assembly	1	203634	1	203634
T32	Hex Nut, NF, #10-32			2	41154
	Complete Table Top Assembly		20363501		20363500
	Table Extension Assembly				20363600

SINGLE PHASE MOTORS

FRAME 230

FRAME 235

Identification	Description	Quantity	Model 500180	Quantity	Model 500147
M1	Cap, Inside	1	545405	1	545405
M2	Bearing	1	22100	1	22096
M3	Bell, Arbor End	1	545404	1	545404
M4	Tie Rod	4	545263	4	545511
M5	Plate, Cover	1	539158	1	539158
M6	Arbor Spacer	1	500114	1	500114
M7	8/32 x 1 Flat Hd. Screw	4	45112	4	45112
M8	Retaining Ring	1	39062	1	39062
M9	Arbor Collar, Rear	1	201436	1	201436
M10	Arbor Collar, Front	1	201436	1	201436
M11	Arbor Nut	1	7654	1	7654
M12	Shaft Wrench	1	301121	1	301121
M13	Arbor Wrench	1	203095	1	203095
M14	Rotor and Shaft	1	500179	1	545556
M15	Insulation, Fan Bell	1	501171	1	501171
M16	Wound Stator, 120/240 V.	1	500178	1	*500143
M17	Stud, Guard	1	539007	1	539007
M18	Spec. Cent. Mech.	1		1	545407
M19	Assy., Brake Sleeve	1		1	545414
M20	Bearing	1	22099	1	22095
M21	Bell, Fan End	1	545266	1	545281
M22	8/32 Hex Nut (5/16 Across Flat)	4	41181	4	41181
M23	Fan	1	545514	1	545515
M24	Retaining Ring	1	39065	1	39065
M25	Housing Fan	1	545267	1	545267
M26	Nut, Hex Cap	4	41009	4	41009
M27	Bushing, Lead	1	545275	1	545275
M28	Capacitor, Assy.	1	500141	1	500141
M29	8/32 x 5/8 Self Tap Screw	1	43536	1	43537
M30	Clamp Tube	1	500139	1	500139
M31	8/32 x 1 Mach. Screw	2	45305	2	45112
M32	Relay Box	1	545272	1	545272
M33	Connector	1		2	30234
M34	Washer, Everlock Ext. #8	1	48902	1	48902
M35	8/32 x 5/16 Self Tap Screw	1	43534	1	43546
M36	Bushing	1	30236	1	30236
M37	Cable Motor	1	539022	1	203652
M38	Bushing, Lead	1	119307	1	119307
M39	8/32 x 5/8 Self Tap Screw	4	43537	4	43537
M40	8/32 Hex Nut (5/16 Across Flat)	2	41181	2	41181
M41	Protector, Overload	1	545277	1	545277
M42	Washer, Felt	1	545012	1	545012
M43	Bushing, Standoff	2	545274	2	545274
M44	Washer, Felt	1		1	500314
M45	Gasket, Paper	1	545273	1	545273
M46	Plate, Specification	1	500183	1	203628
M47	#4 x 5/16 Self Tap Screw	4	43524	4	43579
M48	Relay	1	500131	1	500131
M49	Lock Washer #8	4	48802	4	48802
M50	Pan Hd. Screw 6/32 x 1/4	2	45304	2	45304
M51	Load Spring	1		1	48613
M52	Brake Clip	1		1	203356

* Note—For special motors of other than 60 Cycle refer to factory for proper part.

STANDARD GUARD ASSEMBLY

MODEL 1200

MODEL 1400

Identification	Description	Quantity	Model 1200	Quantity	Model 1400
G1	Name Plate	1	203232	1	203232
G2	Dust Spout	1	100804	1	100804
G3	Wing Nut	1	203107	1	203107
G4	Guard	1	201396	1	203239
G5	Caution Plate	1	203674	1	203674
G6	Kickback Assembly	1	203063	1	203063
G7	Kickback Clamp	1	201405	1	203631
G8	Cap	1	25303	1	25303
G9	Hold Down Clip	1	201404	1	201404
	Complete Assembly		201406		203233

