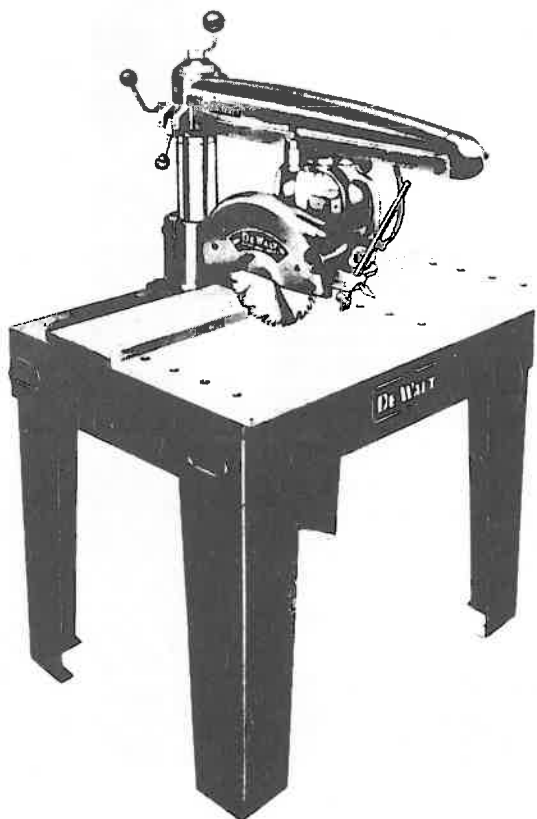


MODEL
MB
DEWALT

Amf DEWALT®
POWER SHOP

instruction, maintenance and parts book



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DEWALT DIVISION
American Machine & Foundry Company
Lancaster, Pennsylvania

INTRODUCTION

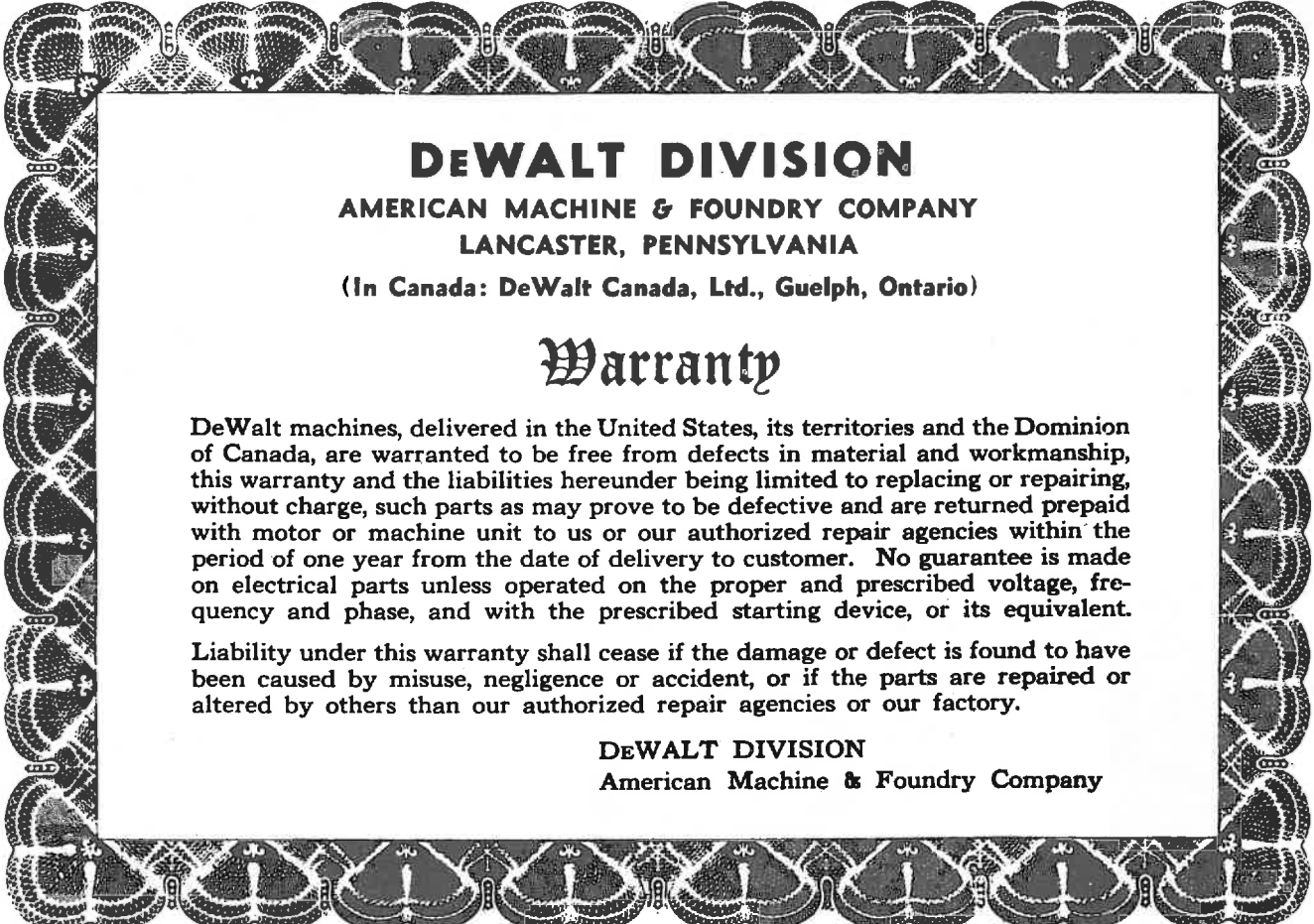
The AMF DeWalt "Power Shop" machine you have purchased, and to which the instructions in this manual pertain, represents the culmination of a long history in the design and manufacture of power tools for home and industry. Today, your DeWalt machine is capable of versatility, precision, safety, and ease-of-operation 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 described on the back cover, **EASY WAYS TO EXPERT WOODWORKING**, will also be an excellent investment.

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DEWALT DIVISION

AMERICAN MACHINE & FOUNDRY COMPANY
LANCASTER, PENNSYLVANIA

(In Canada: DeWalt Canada, Ltd., Guelph, Ontario)

Warranty

DeWalt machines, delivered in the United States, its territories and the Dominion of Canada, are warranted to be free from defects in material and workmanship, this warranty and the liabilities hereunder being limited to replacing or repairing, without charge, such parts as may prove to be defective and are returned prepaid with motor or machine unit to us or our authorized repair agencies within the period of one year from the date of delivery to customer. No guarantee is made on electrical parts unless operated on the proper and prescribed voltage, frequency and phase, and with the prescribed starting device, or its equivalent.

Liability under this warranty shall cease if the damage or defect is found to have been caused by misuse, negligence or accident, or if the parts are repaired or altered by others than our authorized repair agencies or our factory.

DEWALT DIVISION
American Machine & Foundry Company

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 . . . AMF DeWalt puts the saw at the exact angle and you pull across for perfect miter cuts everytime!

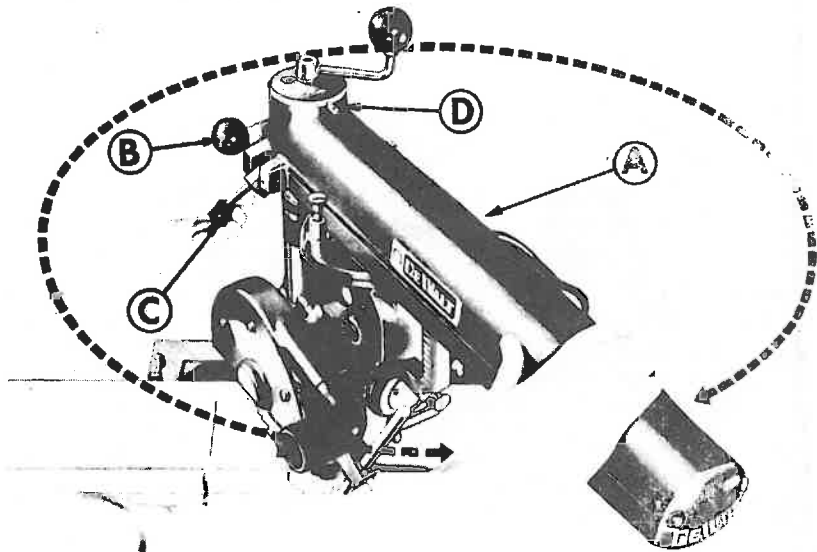
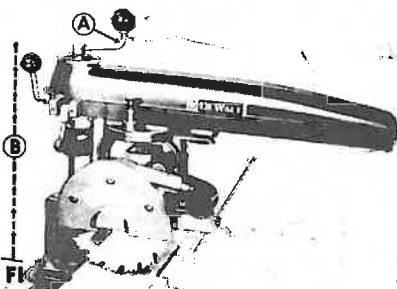


FIG. A



Saw Raises or Lowers

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

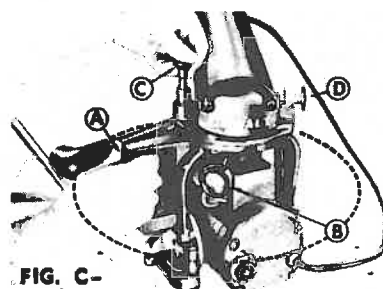


FIG. C-

Saw Swivels 360° for Rip Cuts

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

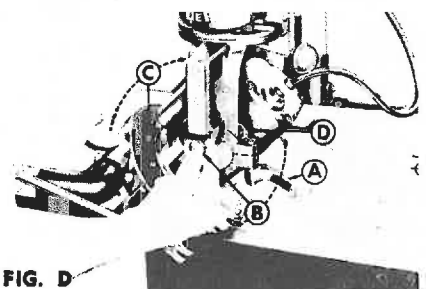
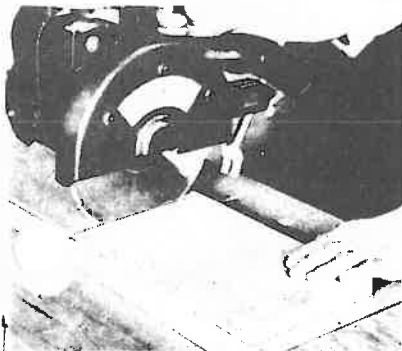


FIG. D

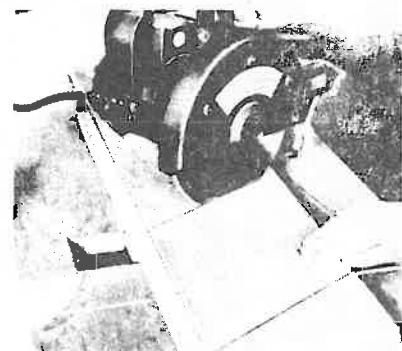
Saw Tilts for Bevel Cuts

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.



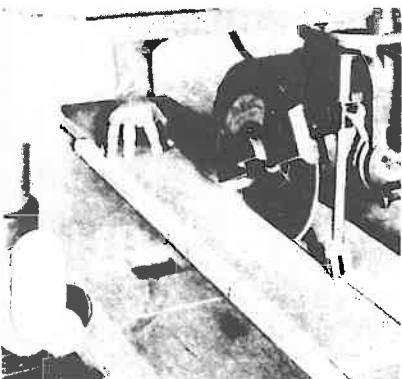
CROSS CUT

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.



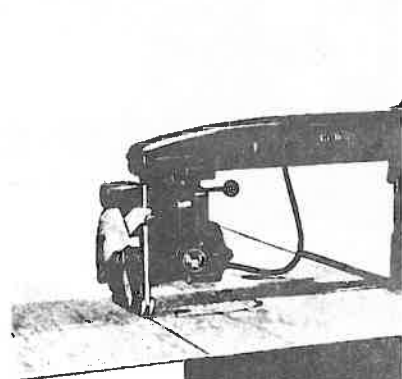
MITER

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.

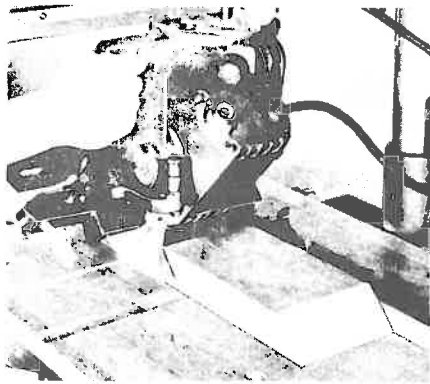


IN-RIP

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 infeed end almost touches material. Lower kickback assembly so that fingers are approximately 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.

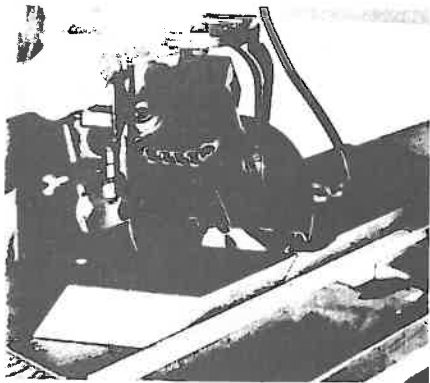


OUT-RIP



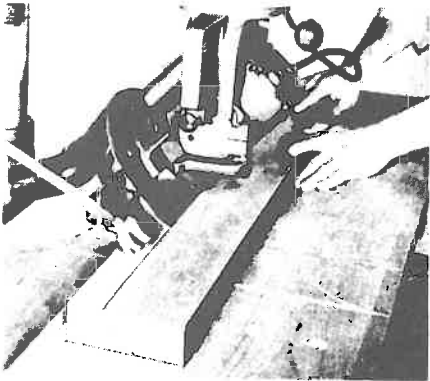
BEVEL CUT-OFF

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.



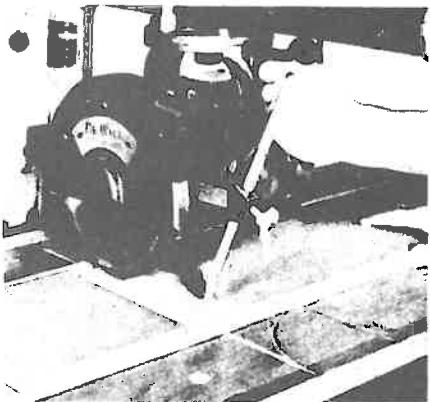
COMPOUND MITER

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.



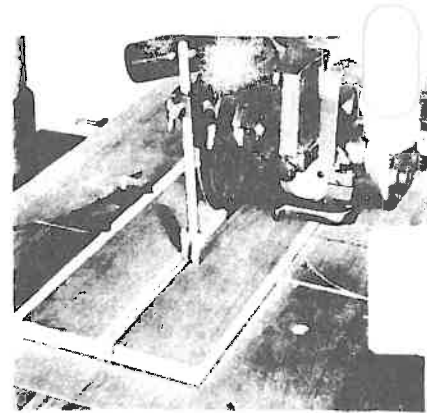
BEVEL RIP

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.



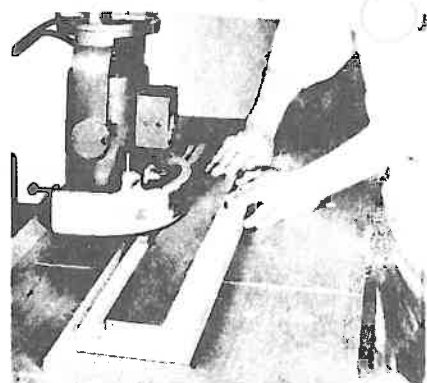
DADO

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.



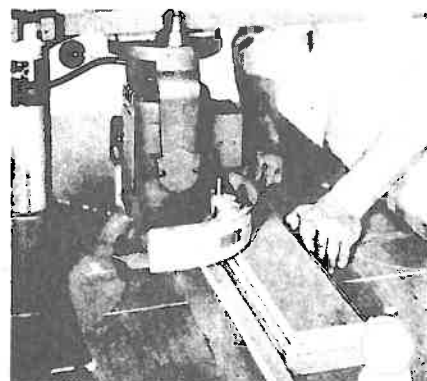
PLOUGH

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 kick-back assembly to hold material. When starting cut, hold material firmly down on table and back against guide. Feed evenly.



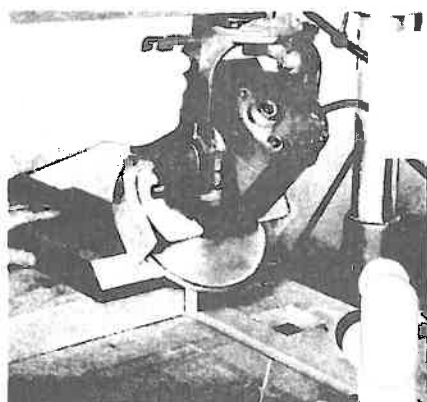
RABBET

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.

SEE BACK COVER FOR MORE DETAILS

MAINTENANCE AND OPERATION

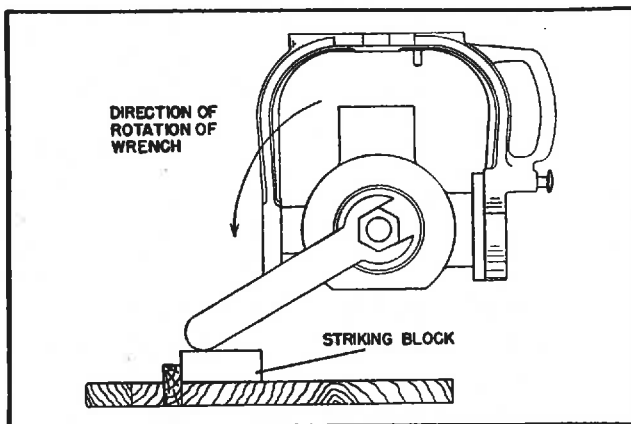
Do

1. Connect to power supply with not less than number 12 size wire.
2. Protect $\frac{3}{4}$ and $1\frac{1}{2}$ H.P. motors with 30 amp. fuse in line.
3. Be sure blade rotates clockwise when facing arbor.
4. Be sure all clamp handles are tight before starting any operation. Push back to tighten. Pull to loosen.
5. Be sure blade and arbor collars are clean and recessed side of collars are against blade with thickest collar on inside. Tighten arbor nut securely, using both wrenches provided.
6. Keep saw blade sharp and properly set.
7. Use anti-kickback attachment on guard.
8. Keep arm tracks and bearing surfaces clean and dry. Periodic cleaning with dry cleaner is recommended.
9. Periodically recheck alignment.
10. Loosen clamp screws at rear of table when machine is not in use.

Don't

1. Attempt to operate on anything but designated voltage.
2. Operate unless all clamp handles are tight.
3. Use blades of larger diameter than recommended.
4. Remove anti-kickback from guard.
5. Rip from wrong direction — observe caution tag on guard.
6. Oil or grease arm tracks or motor.
7. Wedge anything against fan to hold motor shaft.
8. Subject table top to variable humidity conditions (keep away from damp place).
9. Force cutting action. Stalling or partial stalling of motor can cause major damage to motor winding.

DIRECTIONS FOR REMOVING ARBOR NUT



1. Fit small wrench to milled flats on 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 below.

(Caution—Never wedge anything against fan.)

ADJUSTMENT OF RIP SCALE

(Figure 7, Page 10)

The rip scale is located on the right side of the radial arm (A26). When the motor is positioned with motor arbor toward the column it is called the "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 reference pointer (Figure 6—R15). The rip scale is adjustable and must be readjusted when changing from "in" to "out" rip or vice versa.

To adjust:

"In Rip"

- (a) Place the motor in "in rip" and move the motor on the arm until the saw blade just touches the guide fence.
- (b) By loosening the screws (A27) move the rip scale until the reference pointer (Figure 6—R15) points to 0 on the top scale and retighten screws.

"Out Rip"

- (a) 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.
- (b) By loosening screws (A27) adjust rip scale until reference pointer (Figure 6—R15) points to the dimension on the lower scale of the known width of board.

ALIGNMENT PROCEDURE

All DeWalt machines are thoroughly tested, inspected, and accurately adjusted before leaving the factory. Rough handling in shipment can, at times, affect adjustment. 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.

Provision is 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 (Figures 3 and 4, Page 9)

The table top assembly and guide strip are checked for straightness with a master straight edge before leaving the factory. As all wood must "breathe" and is affected by various humidity conditions, a slight change from factory conditions

will sometimes be found. Straightness of top and Guide Strip, with clamp Screws (T8 at rear of table) tight, should be checked with a square or straight edge. Correction can only be made by sanding or planing to level. A slight variation from perfect level 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, Page 10)

The purpose of this handle (Y3 & Y4) is to provide a friction lock between upper face of the yoke (Y5) and the bottom face of the rollerhead (Figure 6)(R8). It should also eliminate any play between these two parts. In operating position the yoke clamp handle is pushed back from the hand grip of the yoke (Y5). If, at any time, it is possible to move this handle so that it strikes the rear portion of the yoke, it is not in proper adjustment. Its proper position for machine operation is at approximately 90° or less to the hand grip of the yoke (Y5).

To readjust:

- (a) Remove arm end cap (See Figure 7)(A15)
- (b) Remove yoke, rollerhead, and motor assembly from the arm.
- (c) Loosen dog screw (Y6) by turning counter-clockwise with screw driver at least 5 full turns.
- (d) Place yoke clamp handle (Y3 & Y4) to proper position while holding king bolt (Y1) in original position.
- (e) Turn king bolt (Y1) 1/6 turn clockwise.
- (f) Retighten dog screw (Y6) being sure end of screw engages in one of the key slots of king bolt (Y1). (You can be sure it is properly engaged when it is again necessary to turn 5 full turns to tighten.) Replace motor, yoke, and rollerhead assembly.

3. ADJUSTING BEVEL CLAMP HANDLE (Figure 5, Page 10)

The purpose of the Bevel Clamp Handle (Y30) 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 (Y5) around dial plate (Y28). In locked position Bevel Clamp Handle should be positioned as

shown on Figure 5 and hold motor rigidly at angle desired.

To adjust:

- (a) Loosen Bevel Clamp Handle (Y30) by pulling left side away from motor.
- (b) While holding Cap Screw (Y31) with a wrench tighten or loosen Jam Nut (Y7) as necessary.

4. ADJUSTING ROLLERHEAD BEARINGS TO ARM TRACKS (Figure 6, Page 10)

The rollerhead (R8) is suspended by four special-tolerance, grease-packed, double shield ball bearings (R5). These bearings are mounted on two straight bearing shafts (R4) and two eccentric bearing shafts (R3). In proper adjustment top and bottom radii of all four bearings should be in contact with arm tracks for their entire length and head should roll freely along tracks.

To adjust these bearings:

- (a) Bring motor, yoke and rollerhead assemblies to end of arm and tighten clamp screw (R20).
- (b) Remove arm end plate (Figure 7)(A15).
- (c) Loosen 2 set screws one full turn (R9 right side view and left side view) as they lock the eccentric bearing shafts (R3) in place.
- (d) Release yoke clamp handle (Figure 5)(Y3 & Y4) by pulling forward. Disengage locating pin (R11) by lifting red plastic knob (R1) and swivel motor 90° to either in- or out-rip position.
- (e) Loosen Hex Jam Nuts (R13) on right side front and rear.
- (f) Loosen Clamp Screw (R20).
- (g) Insert socket wrench in recess at bottom of shafts (R3) and turn 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 tight so that they roll and do not slide. Be sure tracks are clean.

- (h) While holding each eccentric shaft (R3) in adjusted position with the set screw wrench tighten right hand jam nuts (R13) and re-lock set screws (R9). Replace arm end cap.

All four bearings should now ride smoothly the entire length of arm tracks as these are milled perfectly parallel.

5. ADJUSTING ARM CLAMP HANDLE (Figure 7, Page 10)

The Arm Clamp Handle (A7 & A8) holds the arm (A3) 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 (A18) by tapping from bottom to top.
- (b) Tighten left hand nut (A19) as necessary.
- (c) Replace cotter pin.

6. ADJUSTING BASE TO COLUMN (Figures 8 and 9, Pages 10 and 11)

If, after Arm Clamp Handle is tightened, you have side motion at the end of the arm it indicates adjustment of the base (C19) or column key gib (C20) is necessary.

To readjust:

- (a) Loosen jam nuts (C21 & C22), then loosen set screws (C23 & C24).
- (b) Tighten jam nut (C21) so that base (C19) fits around column diameter but column will move freely up and down. (Move column up and down by rotating elevating crank (C9)). Tighten the rearmost set screw (C24) and lock with jam nut so that base casting is uniformly tightened in vertical plane.
- (c) To prevent side motion of arm it is now necessary to adjust Column Key Gib (C20) to Column Key (C1). Tighten forward set screws (C23) so that it forces Column Key Gib (C20) securely (but not to the point of binding, with resulting hindrance to proper elevation) against Column Key (C1) and lock with Jam Nut.

7. ADJUSTING TABLE TOP PARALLEL WITH ARM (Figures 3 and 4, Page 9)

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 in place of the saw blade.
- (b) Turn motor to out-rip position.
- (c) Elevate or depress saw so that when swinging arbor wrench on the motor arbor the bottom of it just touches the table top.
- (d) Locate the highest spot on the table over adjusting screws (T5) by moving the arm on the column and the rollerhead in the arm.
- (e) Loosen all lock nuts (T13) under table frame flanges. (Table sections T1, T2 & T3 are removed for this operation.) Now by turning adjusting nuts (T13) on top of table frame flange clockwise elevate low sections of table to same elevation as highest section found.
- (f) Tighten all lock nuts (T13) under table frame flanges.

8. ADJUSTING BLADE PERPENDICULAR TO WORK TOP (Figure 5, Page 10)

With the arm in cross cut position, all latches engaged and all clamp handles locked, pull the motor yoke and rollerhead forward so that the center line of the blade is just back of the guide strip and lock with rip lock. To check squareness 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 (Figure 5, part Y24) by removing two screws (Y25).
- (b) Loosen socket head screws (Y21).
- (c) Loosen bevel clamp handle (Y30).
- (d) Tilt motor until blade is flat against the square and again lock (very firmly) socket head screws (Y21). Replace name plate (Y24).

NOTE: In some cases it will be found necessary to also loosen cap screw (Y23) in order to adjust motor.

9. ADJUSTING CROSS CUT TRAVEL WITH GUIDE FENCE (Figure 7, Page 10)

With the miter latch (A9) engaged and arm clamp handle (A7 & A8) 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. To readjust:

- (a) Loosen arm clamp handle (A7 & A8).
- (b) Loosen set screws (A11).
- (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 (A5) and tighten front adjusting screw (A5), 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 (A5) and tighten rear adjusting screw (A5), 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 (A11).

10. ADJUSTING CROSS-CUT TRAVEL PARALLEL TO ARM TRACKS (Figure 5, Page 10)

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 (Y30).
- (b) Loosen right and left lock nuts (Y14).
- (c) Loosen left set screw (Y15) about 1/6 turn and tighten right set screw (Y15).
- (d) Retighten lock nuts (Y14) 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 (Y30).
- (b) Loosen right and left lock nuts (Y14).
- (c) Loosen right set screw (Y15) about 1/6 turn and tighten left set screw (Y15).
- (d) Retighten lock nuts (Y14) and bevel clamp handle.
- (e) Recheck as above by cutting.

After left and right adjustments have been made turn 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:

- (a) Loosen bevel clamp handle (Y30).
- (b) Loosen all lock nuts (Y14).
- (c) Loosen set screws (Y15) about 1/6 turn and tighten set screw (Y17).
- (d) Retighten lock nuts (Y14) and bevel clamp handle and recheck as above by cutting.

To adjust when marks appear on upper side of cut:

- (a) Loosen bevel clamp handle (Y30).
- (b) Loosen all lock nuts (Y14).
- (c) Loosen set screw (Y17) about 1/6 turn and tighten set screws (Y15).
- (d) Retighten lock nuts (Y14) and bevel clamp handle and recheck as above by cutting.

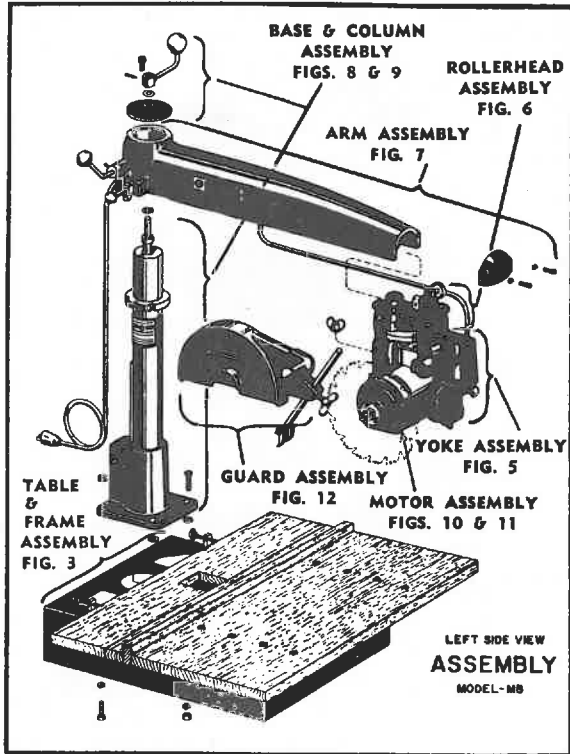


Figure 1

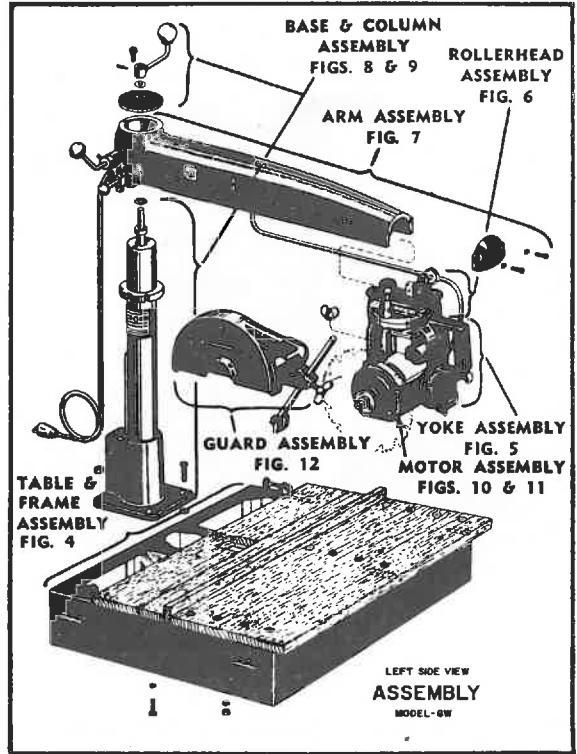


Figure 2

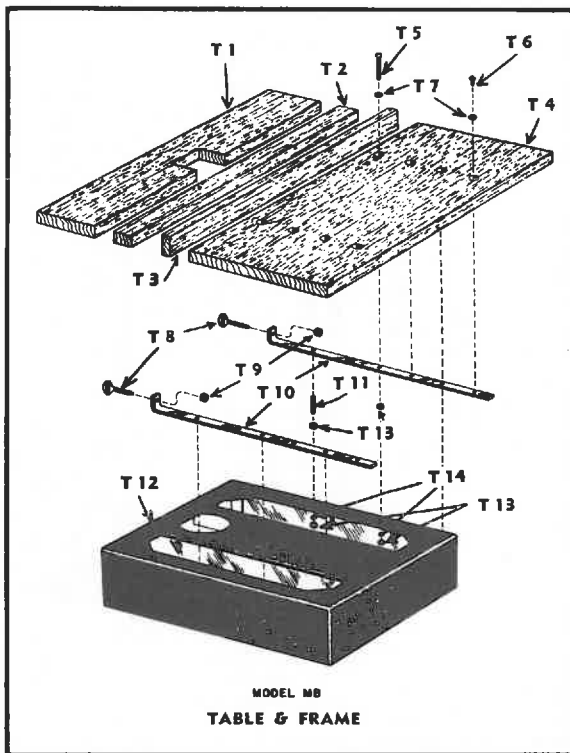


Figure 3

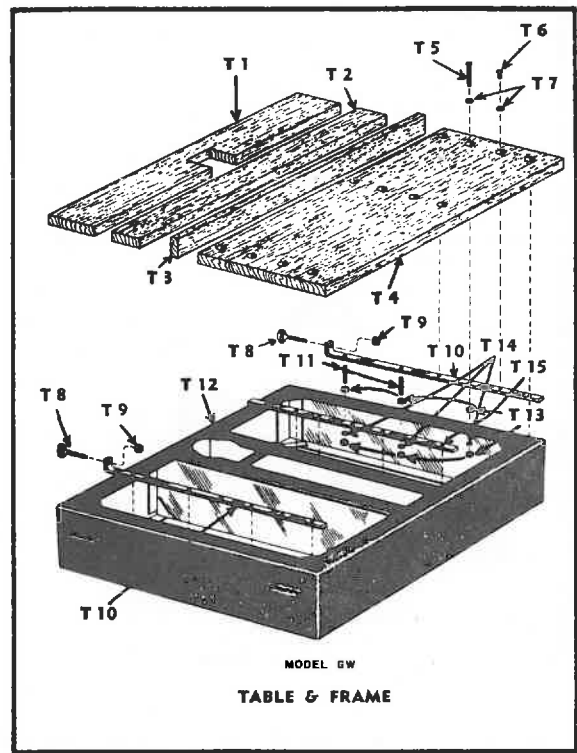


Figure 4

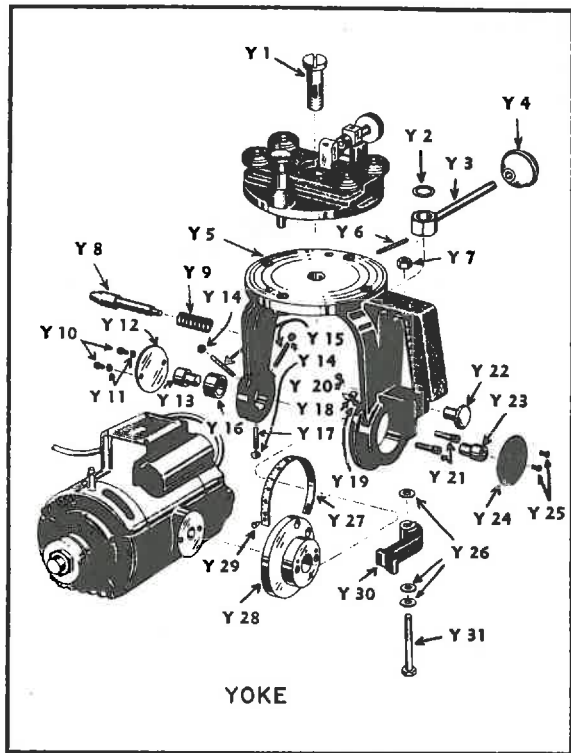


Figure 5

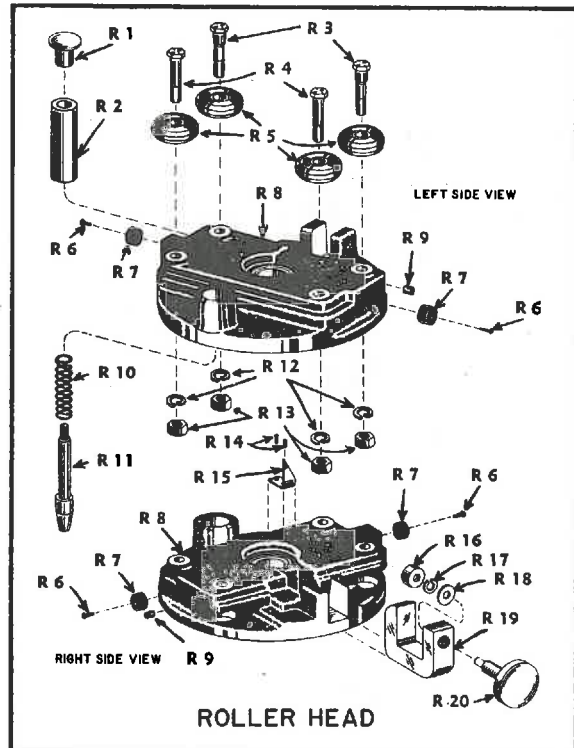


Figure 6

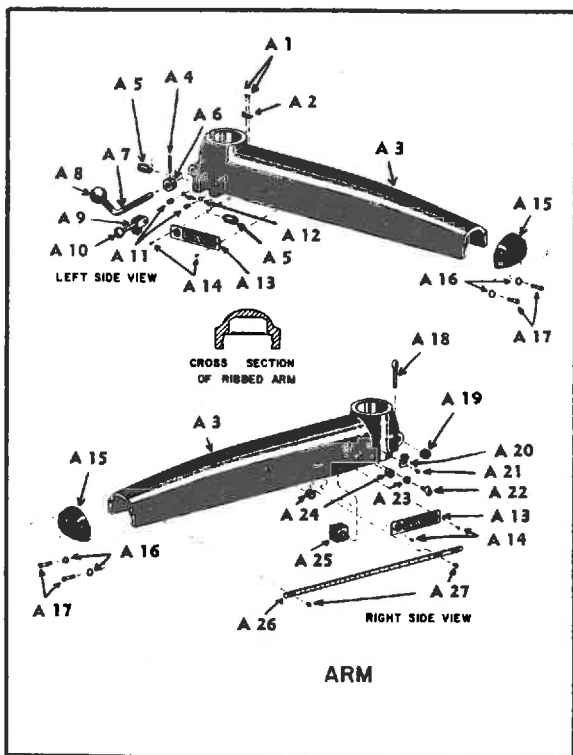


Figure 7

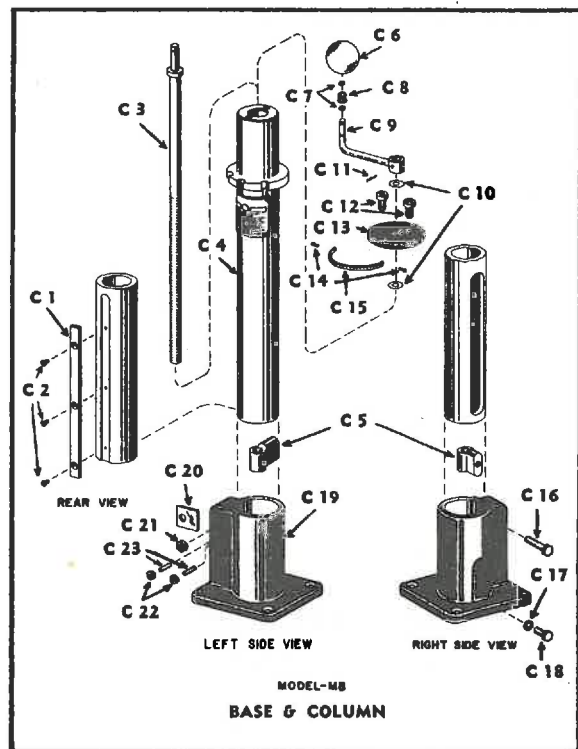


Figure 8

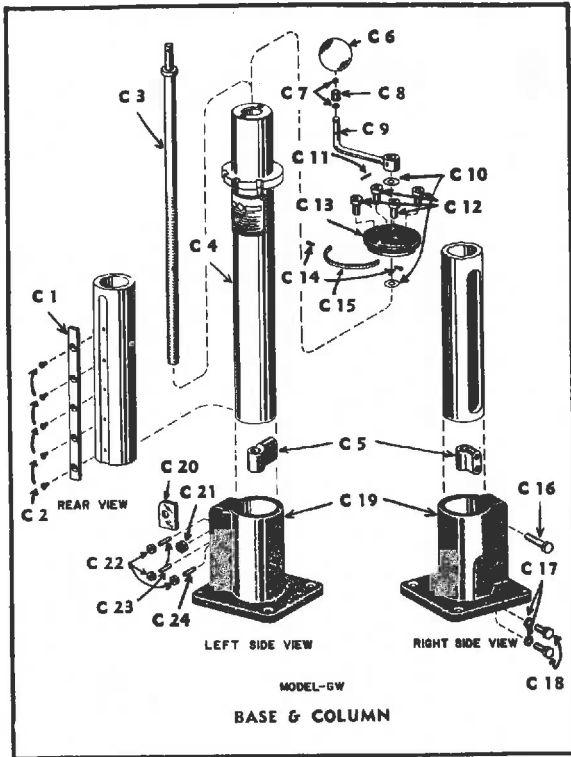


Figure 9

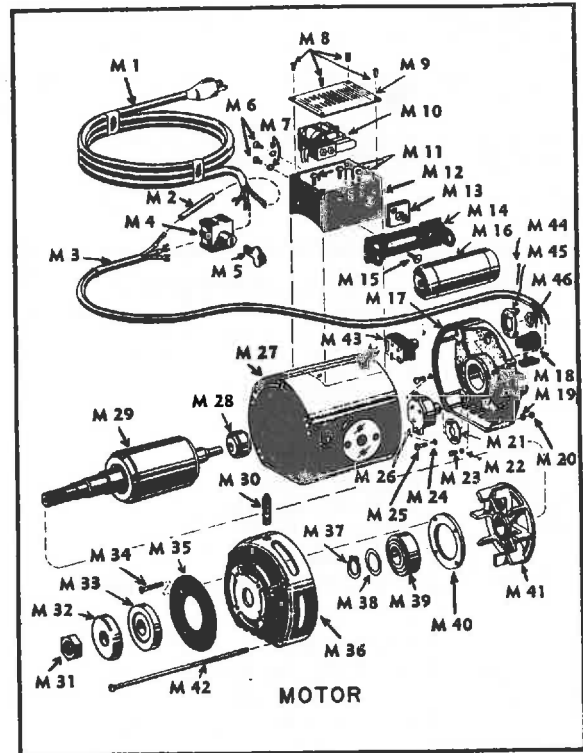


Figure 10

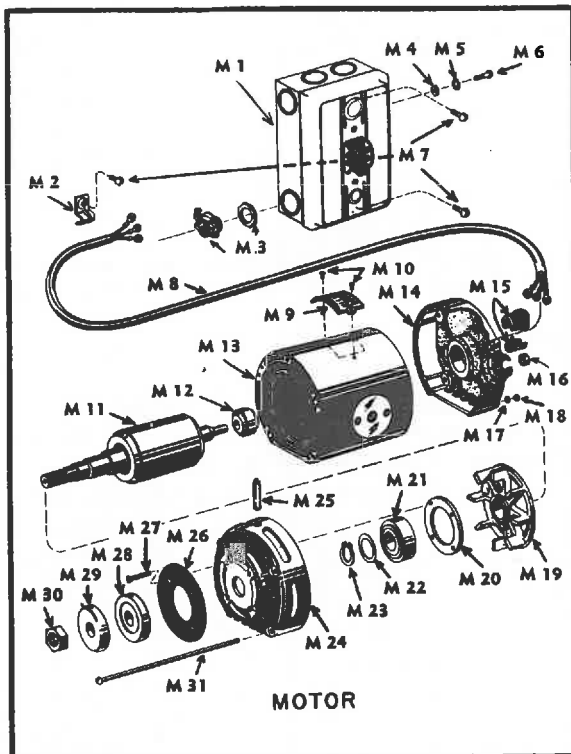


Figure 11

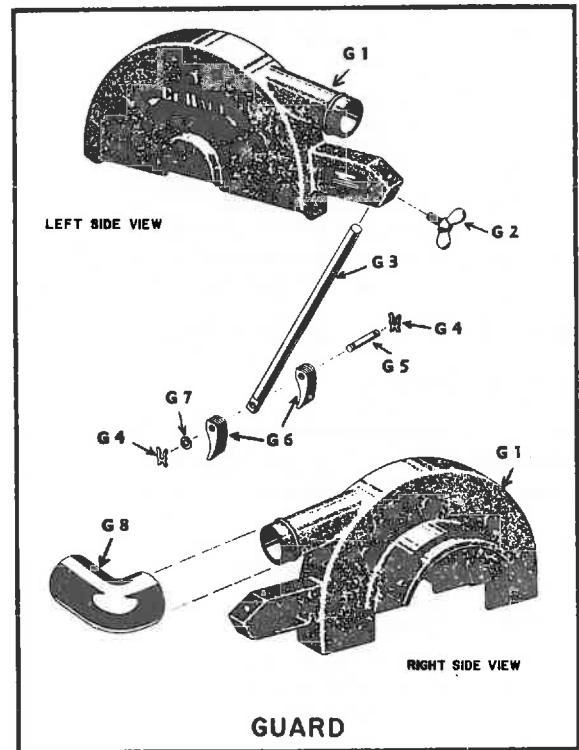


Figure 12



PARTS LIST FOR MODELS MB & GW

YOKE ASSEMBLY

Figure 5, Page 10

Identification	Description	MB		GW	
		Quantity	Part No.	Quantity	Part No.
Y1	King Bolt	1	* 100509	1	* 100509
Y2	Shim Washer	1	339162	1	339162
Y3	Yoke, Clamp Handle	1	203113	1	203113
Y4	Ball, Red Plastic	1	100131	1	100131
Y5	Yoke	1	119511	1	117515
Y6	Dog Screw	1	119507	1	119507
Y7	5/16-18 Hex Jam Nut	1	80467	1	80467
Y8	Locating Pin	1	119510	1	119510
Y9	Latch Spring	1	101506	1	101506
Y10	10-25 x 3/8 Rd. Hd. Screw, (Phillips)	2	82282	2	82282
Y11	# 10 Lockwasher	2	82507	2	82507
Y12	Safety Plate	1	101116	1	101116
Y13	1/2-20 x 1/2 Soc. Hd. Cap Screw	1	203111	1	203111
Y14	10-24 Std. Hex Nut	3	81953	3	81953
Y15	10-24 x 1 1/4 Hol. Cup Pt. Set Screw	2	82413	2	82413
Y16	Trunnion Bushing	1	119508	1	119508
Y17	10-24 x 1 Hol. Cup Pt. Set Screw	1	80652	1	80652
Y18	Bevel Scale Pointer	1	119111	1	119111
Y19	Special Washer	1	82482	1	82482
Y20	8-32 x 1/4 Rd. Hd. Screw (Phillips)	1	80604	1	80604
Y21	5/16-18 x 3/4 Soc. Hd. Set Screw	2	82194	2	82194
Y22	Knob, Red Plastic	1	100132	1	100132
Y23	1/2-20 x 3/4 Soc. Cap Screw	1	82199	1	82199
Y24	Name Plate—AMF	1	201377-01	1	201377-01
Y25	8-32 x 1/4 Rd. Hd. Screw (Phillips)	2	80604	2	80604
Y26	3/8 Flat Washer	3	82483	3	82483
Y27	Bevel Scale	1	119112	1	119112
Y28	Dial Plate	1	100124	1	100124
Y29	# 6 x 3/8 Rd. Hd. Drive Screw	2	82229	2	82229
Y30	Bevel Clamp Handle	1	100519	1	100519
Y31	5/16-18 x 2 1/2 Hex. Hd. Cap Screw	1	82123	1	82123

* Substitute Parts No. 203087-01 King Bolt and No. 80464 Adjuster.

MB & GW ROLLER HEAD ASSEMBLY

Figure 6, Page 10

Identification	Description	MB		GW	
		Quantity	Part No.	Quantity	Part No.
R1	Knob, Red Plastic	1	100132	1	100132
R2	Bushing, Locating Pin	1	100440	1	100440
R3	Shaft, Bearing (Eccentric)	2	80461	2	101426
R4	Shaft, Bearing (Concentric)	2	80460	2	101425
R5	Bearing	4	81469	4	80500
R6	# 2 x 1/4 Drive Screw (Type U)		82245		
R6	# 6 x 3/8 Drive Screw			2	82229
R7	Rubber Bumper	2	80526	2	80525
R7	Rubber Bumper			2	80525
R8	Roller Head	1	119404	1	403031
R9	1/2-20 x 1/4 Hol. Cup Pt. Set Screw	2	82387	2	82387
R10	Spring	1	101506	1	101506

MB & GW ROLLER HEAD ASSEMBLY (Continued)

Figure 6, Page 10

Identification	Description	MB		GW	
		Quantity	Part No.	Quantity	Part No.
R11	Pin, Locating	1	100432	1	100432
R12	3/8 Lock Washer	4	393		
R12	3/8 Lock Washer			4	82510
R13	3/8-24 Hex Nut	4	80470		
R13	3/8-24 Hex Nut			4	81963
R14	# 2 x 3/8 Drive Screw	2	82227	2	82227
R15	Rip Pointer	1	119401	1	119401
R16	Clamp Shoe	1	100435	1	100435
R17	# 12 Lock Washer	1	82508	1	82508
R18	# 12 Flat Washer	1	80671	1	80671
R19	Rip Lock	1	119405	1	119405
R20	Clamp Screw Assembly	1	100433	1	100433

Assembly number 203090 includes items R-16, R-17, R-18, R-19, R-20

MB & GW ARM ASSEMBLY

Figure 7, Page 10

Identification	Description	MB		GW	
		Quantity	Part No.	Quantity	Part No.
A1	# 2 x 3/8 Rd. Hd. Drive Screw	2	82229	2	82229
A2	Miter Pointer	1	100130	1	117103
A3	Arm	1	119306		
A3	Arm (For Single Phase Motor)			1	117318
A3	Arm (For Three Phase Motor)			1	117323
A4	# 1 x 1 1/2 Taper Pin	1	82062		
A4	# 2 x 2 Taper Pin			1	82058
A5	Miter Adjusting Screw	2	103525	2	103525
A6	Plain Collar	1	100341*	1	100341**
A7	Clamp Handle Rod	1	100337*	1	100337**
A8	Plastic Ball	1	100131	1	100131
A9	Miter Latch	1	119312	1	119312
A10	Plastic Ball	1	81440	1	81440
A11	1/4-20 x 1/4 Mol. Cup Pt. Set Screw	2	82387	2	82387
A12	Set Screw Slug	2	103522	2	103522
A13	DeWalt Name Plate (Arm)	2	201408	2	201408
A14	# 2 x 3/8 Drive Screw Type U	4	82227	4	82227
A15	Arm End Cap	1	100339	1	117320
A16	1/4 Lockwasher	2	416	2	416
A17	1/4-20 x 3/4 Fill. Hd. Mach. Screw (Phillips)	2	80153		
A17	3/8-18 x 1 3/4 Soc. Hd. Cap Screw			2	80590
A18	1/4 x 1 1/2 Cotter Pin	1	82022	1	82022
A19	3/8-16 L.H. Hex Nut	1	81965	1	81965
A20	Cable Strap	1	81777	1	80564
A21	8-32 x 3/8 Rd. Hd. Self Tap Screw	1		1	
A22	Switch Key	2	100135	2	100135
A23	Special Locknut	1	24701	1	24701
A24	Cable Bushing	2	119307	2	117104
A25	Key Lock Switch	1	80542	1	80542
A26	Rip Scale	1	119105	1	117105
A27	8-32 x 1/4 Rd. Hd. Self Tap Screw	2	80593	2	80593

* Available as assembly only
Order Arm Clamp Handle Assembly No. 100340

** Available as assembly only
Order Arm Clamp Handle Assembly No. 117321.

MB & GW BASE & COLUMN

Figure 8 and 9, Page 10 and 11

MB

GW

Identification	Description	Quantity	Part No.	Quantity	Part No.
C1	Column Key	1	119204	1	101204
C2	10/24 x 1/2 Flat Hd. Mach. Screw	3	80610		
C2	1/4-20 x 3/8 Flat Hd. Mach. Screw			5	82303
C3	Elevating Screw	1	303033	1	403035
C4	Column	1	119203	1	117210
C5	Elevating Nut	1	119207	1	117203
C6	Plastic Ball	1	100133	1	100133
C7	Truarc Retaining Ring	2	81864	2	81864
C8	Handle Plug	1	100233	1	100233
C9	Elevating Crank	1	100237	1	100237
C10	Shim Washer	1	100245	1	100245
C11	# 1 x 1 Taper Pin	1	82055	1	82055
C12	3/8-16 x 3/4 Fill. Hd. Mach. Screw (Phillips)	2	80606		
C12	3/8-18 x 1 1/4 Soc. Hd. Cap Screw			4	82172
C13	Thrust Cap	1	100247	1	117216
C14	# 6 x 7/8 Rd. Hd. Drive Screw	2	82229	2	82229
C15	Miter Scale	1	100212	1	101213
C16	3/8-16 x 2 Hex Hd. Cap Screw	1	80165		
C16	1/2-13 x 2 1/4 Hex Hd. Cap Screw			1	82121
C17	3/8" Lockwasher	1	82510		
C17	1/2" Lockwasher			2	82511
C18	3/8-16 x 1 1/8 Hex Hd. Cap Screw	1	82138		
C18	1/2-13 x 1 1/4 Hex Hd. Cap Screw			2	82106
C19	Base	1	119212	1	117201
C20	Column Key Gib	1	119211	1	117207
C21	3/8" Hex Jam Nut	1	52996		
C21	1/2"-13 Hex Jam Nut			1	81987
C22	3/8-18 Hex Jam Nut	2	80467	3	80467
C23	3/8-18 x 1 1/4 Hol. Cup Pt. Set Screw	2	82401		
C23	3/8-18 x 1 1/2 Hol. Cup Pt. Set Screw			2	82403
C24	3/8-18 x 1 Hol. Cup Pt. Set Screw			1	82399

TABLE & FRAME

Figure 3 and 4, Page 9

MB

GW

Identification	Description	Quantity	Part No.	Quantity	Part No.
T1	Back Board	1	119720*	1	117753**
T2	Spacer Board	1	119718*	1	117754**
T3	Guide Fence	1	119719*	1	117704**
T4	Table Board, Front	1	119717*	1	117736**
T5	3/8-18 x 2 Rd. Hd. Machine Screw	4	80605*	6	80605**
T6	3/8-18 x 3/4 Rd. Hd. Machine Screw	4	82284*	6	82284**
T7	3/8 SAE Flat Washer	8	801*	12	801**
T8	Clamp Screw	2	80455*	2	80455**
T9	Clamp Shoe	2	80050*	2	80050**
T10	End Cleat	2	119721*	2	117744**
T11	3/8-18 x 1 1/2 Hol. Cup Pt. Set Screw	2	82403*	6	82403**
T12	Table Frame	1	119713*	1	117746**
T13	3/8 Hex Jam Nut	12	80467*	24	80467**
T14	3/8 Lock Washer	6	393*	12	393**
T15	Center Cleat	1		1	117743**

* Available as assembly only.
Order Table Top Assembly No. 119716.

** Available as assembly only.
Order Table Top Assembly No. 117753.

SINGLE PHASE MOTORS

Figure 10, Page 11

MB Frame 156

GW Frame 196

Identification	Description	Quantity	Part No.	Quantity	Part No.
M1	Cable Set	1	203198	1	77306
M2	Plastic Sleeving	1		1	
M3	Motor Cable	1	539022	1	545004
M4	Key Lock Switch	1	80542	1	80542
M5	Keys for Switch	2	100135	2	100135
M6	6-32 x 1/4 Rd. Hd. Mach. Screws	2	80620	2	80620
M7	# 6 Lockwasher	2	82505	2	82505
M8	# 4-40 Self Tapping Screw (Type B)	4	82244	4	82244
M9*	Motor Name Plate	1	545001	1	545001
M10	Relay	1	537452	1	537452
M11	8-32 x 3/8 Self Tapping Screw (Type F)	3	82233	3	82233
M12	Relay Box	1	539016	1	539016
M13	Felt Spacer	1	539021	1	539021
M14	Mounting Bracket (Condenser)	1	**	1	**
M15	10-24 x 7/16 Self Tapping Screw (Type F)	1	**	1	**
M16	Condenser	1	539017	1	539017
M17	Rear End Bell	1	539014	1	545007
M18	Cable Connector	1	33305	1	81722
M19	# 8 Lockwasher	4	82506	4	82506
M20	8-32 Hex Nut	4	81952	4	81952
M21	Felt Washer	1	545012	1	545012
M22	# 8 Lockwasher	1	82506	1	82506
M23	8-32 x 1/4 Self Tapping Screw (Type F)	1	82236	1	82236
M24	# 8 Flat Washer	2	80676	2	80676
M25	# 8-32 x 1/2 Self Tapping Screw (Rd. Hd.)	2	82235	2	82235
M26	Thermostat	1	544755	1	545010
M27	Wound Stator	1	544950	1	545202
M28	Bearing	1	81461	1	81461
M29	Rotor & Shaft	1	539151	1	543154
M30	Guard Stud	1	539007	1	539007
M31	Arbor Nut	1	80109	1	80109
M32	Arbor Collar	1	80465	1	80465
M33	Arbor Collar	1	80465	1	80465
M34	8-32 x 1 1/8" Flat Hd. Screw	4	82321	4	82321
M35	Cover Plate	1	539158	1	539158
M36	Arbor End Bell	1	545153	1	545153
M37	Truarc Retaining Ring	1	539159	1	539159
M38	Shim Washer	2	539160	2	539160
M39	Bearing	1	81459	1	81459
M40	Bearing Cap	1	539155	1	539155
M41	Fan	1	539157	1	539157
M42	Tie Rod	4	539008	4	539254
M43	Toggle Switch (Voltage Change)			1	81599
M44	1/4 x 1 3/4" Cutter Pin			1	82021
M45	Bracket			1	545006
M46	Lock Nut			1	24701

*Motor Serial Number required with order.

**Included with M16.

THREE PHASE MOTORS

Figure 11, Page 11

MB Frame 160 GW Frame 190

Identification	Description	Quantity	Part No.	Quantity	Part No.
M1	Manual Thermal Starter	1	81596	1	81596
M2	Steel Strap	1	81777	1	81777
M3	Squeeze Connector 1/2"	1	80561	1	80561
M4	8-32 Hex Nut (Brass)	1	81946	1	81946
M5	# 8 Lockwasher	1	82506	1	82506
M6	8-32 x 3/8" Rd. Hd. Screw (Brass)	1	80608	1	80608
M7	8-32 x 3/8" Rd. Hd. Self Tapping Screw	3	82233	3	82233
M8	Motor Cable	1	77213	1	77213
M9*	Motor Name Plate	1	501103	1	539801
M10	# 4 x 3/4" Drive Screws	2	12122	2	12122
M11	Rotor and Shaft	1	539151	1	539402
M12	Bearing	1	81461	1	81461
M13	Wound Stator	1	539751	1	539956
M14	Rear End Bell	1	539554	1	539554
M15	Cable Connector	1	81722	1	81722
M16	Hole Plug	1	539553	1	539553
M17	# 8 Lockwasher	4	82506	4	82506
M18	8-32 Hex Nut	4	81946	4	81946
M19	Fan	1	539157	1	539157
M20	Bearing Cap	1	539155	1	539155
M21	Bearing	1	81459	1	81459
M22	Shim Washer	2	539160	2	539160
M23	Truarc Retaining Ring	1	539159	1	539159
M24	Arbor End Bell	1	539167	1	539167
M25	Guard Stud	1	539007	1	539007
M26	Cover Plate	1	539158	1	539158
M27	8-32 x 1 1/4" Flat Hd. Screw	4	82321	4	82321
M28	Arbor Collar	1	80465	1	80465
M29	Arbor Collar	1	80465	1	80465
M30	Arbor Nut	1	80109	1	80109
M31	Tie Rod	4	539008	4	539254

STANDARD GUARD

Figure 12, Page 11

MB

GW

Identification	Description	Quantity	Part No.	Quantity	Part No.
G1	Guard	1	201406	1	203233
G2	Thumb Screw	1	82461	1	82461
G3	Support Bar	1	119808*	1	117909**
G4	X Washers	2	39226*	2	80580**
G5	Hinge Pin	1	119820*	1	119820**
G6	Kickback Fingers	10	103865*	10	103865**
G7	Flat Washers	2	82481*	2	82481**
G8	Dust Spout	1	80466	1	80466

*Available as assembly only, Part No. 119809

**Available as assembly only, Part No. 117911