

ASSEMBLY OF YOUR **DELTA SHOP**



IMPORTANT: This manual is to be used in assembling your Deltashop.

Information for assembling Unit No. 1, the Circular Saw and Stand, can be found on page 2.

Instructions for installing the motor are on page 3.

When you add Unit No. 2, the Jointer, refer to page 4.

When you add Unit No. 3, the Drill Press, refer to page 5.

When you add Unit No. 4, the Sander, refer to page 6.

Information for setting up all Units can be found on pages 6 and 7.

DELTA
MILWAUKEE®

CIRCULAR SAW AND STAND

Note: Tool At a Time Plan Package No. 1, Catalog Number 34-532, also includes separate package, SP-34-500-C

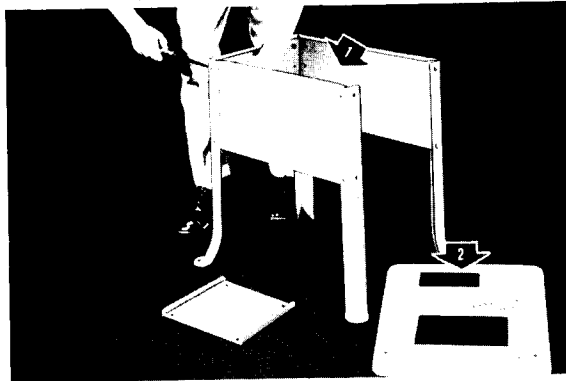
Package No. 1 includes:

Steel Stand Carton—Catalog # 50-308
Saw Carton and Saw Accessory Carton
Catalog # 34-500, SP-34-500-C

Contains:

- | | |
|--------------------------------|---|
| Stand Carton # 50-308 | { 4 side panels
4 legs
1 top
16— $\frac{5}{8}$ " and 6— $1\frac{1}{4}$ " bolts, nuts and washers—to assemble stand |
| Saw Carton # 34-500 | { 1 circular saw (Cat. # 34-500)
1 arbor pulley (assembled on arbor)
1 motor mounting bracket
1 8" combination blade (Cat. # 325)
1 motor mounting plate
1 circular saw table insert (Cat. # 34-961)
1 switch name plate (Part # BG-32)
1 hand wheel and hand knob |
| Accessory Carton # SP-34-500-C | { 1 rip fence (Part # TAB-151-S)
1 miter gage with stop rod (Cat. # 864)
2 rip fence guide bars (Part # NCS 125,126)
4 shoulder screws, depth collars and one Allen wrench (Part SP-2)
1 3 ft. power cord (Part # M-198)
4 bolts, nuts and washers to mount saw
1 wrench (Cat. # 1522)
2 miter gage bolts (Part # NCS-178) with wrench (Part # J-40) |

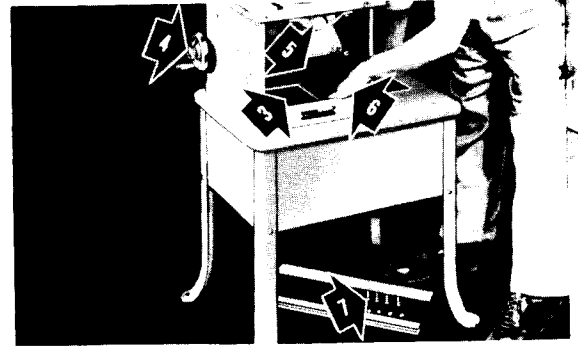
49-185 Belt and Pulley Group for No. 62-253— $\frac{3}{4}$ H.P. motor. (Set aside Belt and Pulley Group for assembly with motor. See No. 14, Page 3.)



1. Attach four* panels to legs by means of sixteen bolts, nuts and washers. Be sure holes in flange of side panels are facing up and that the end panel flange is level with flanges of side panels.

*If Units 1 and 2 are being assembled together leave off the panel on the jointer side of the stand for ease in bolting down the jointer.

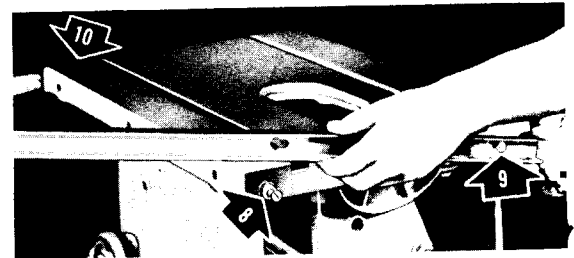
2. Place the top on the stand and insert the six $1\frac{1}{4}$ " bolts in holes along the edges of the top; place the washers and nuts on the bolts and tighten securely.



3. Position circular saw over larger opening on stand top.
4. Arbor tilting wheel extension *must* be in position shown. Mount wheel on extension.
5. Align bolt holes located in the inside corners of the saw cabinet with the corresponding holes in the stand top.

NOTE: Raise arbor to highest possible position.

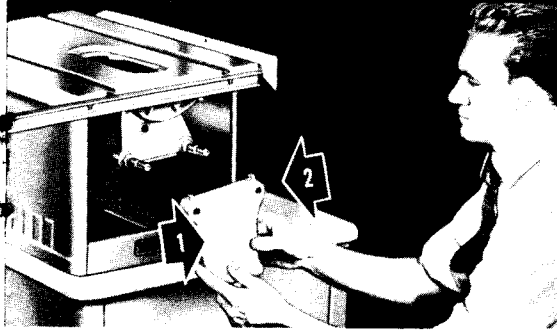
6. Working inside the saw cabinet with one hand and the underside of the stand with the other, insert the bolts in the holes; put washers and nuts on bolts, and tighten securely. Use 2 washers on each bolt; one above hole and one below hole.
7. You will find 4 shoulder screws and 4 spacers. Place a spacer on each of the shoulder screws.



8. Screw shoulder screws part way into tapped hole in front and rear flanges of saw table.
9. Attach rear guide (the guide bar without scale markings) to rear table by passing rounded ends of slots in guide bar over head of screws. Slide rail all the way to the left and tighten screws. The long overhang of guide bar is to be away from jointer area.
10. Similarly, attach front guide bar to front of table flange—be sure scale readings are on top.

Be sure to study your Saw Operating & Maintenance Instruction Sheet carefully.

HOW TO MOUNT MOTOR AND MOTOR ACCESSORIES



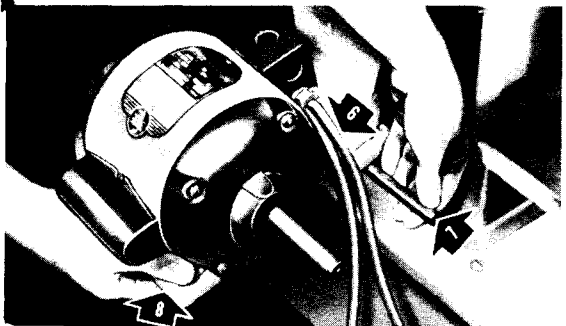
NOTE: The motor is purchased separately. Be sure to ask your dealer for the #62-253, $\frac{3}{4}$ H.P. motor which includes the toggle switch. The belt and pulley groups included with your Deltashop are designed for this motor.

Motor mounting bracket and plate are included in Deltashop Unit No. 1.

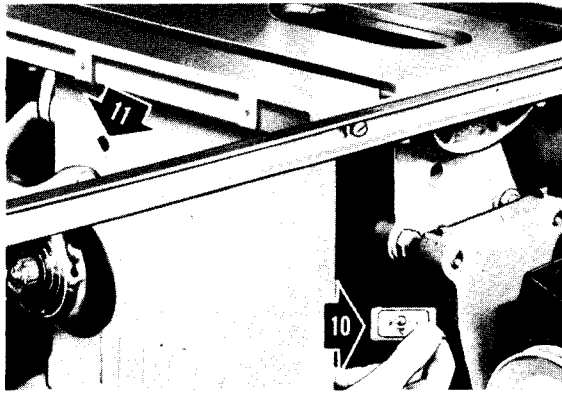
1. Place motor mounting plate on projecting ends of the tie-rods which extend from rear of cabinet.
2. Tighten the two plate box head screws.



3. Place motor on floor with larger end of shaft to left.
4. Place motor mounting bracket on motor and insert bolts (from under side) through slots in bracket into holes in motor base.
5. Place washers and nuts on bolts; tighten nuts securely.



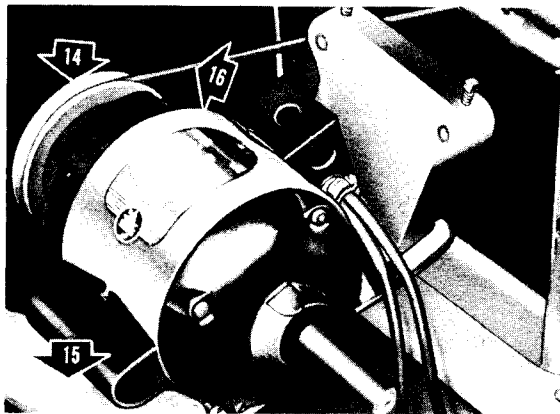
6. Align 2 holes on motor mounting bracket with the extended hole in motor mounting plate.
7. Attach plate with motor mounting bracket by inserting motor plate rod.
8. Ease motor down with hand until plate locks with bracket.



9. Tighten set screw under rod.

NOTE: For complete instructions on how to remove switch from motor see instruction sheets.

10. Remove lock nut from toggle switch.
11. Insert switch in toggle switch hole. (On right side of machine.)



12. Place switch plate on switch.
13. Lock switch into position with lock nut.
14. Mount the saw drive motor pulley (contents list Page 2) on the shorter end of motor (left side of motor) with the hub facing away from motor.
15. Raise motor with hand.
16. Place circular saw belt on saw and saw drive pulley. Lower motor; weight of motor holds tension.

DELTASHOP JOINTER

Package No. 2, Catalog #37-114 includes:

Jointer Raising Block Carton—
Cat. #37-113

Jointer Carton—Catalog #37-110

Jointer Block Carton—
Catalog #37-113

Contains:

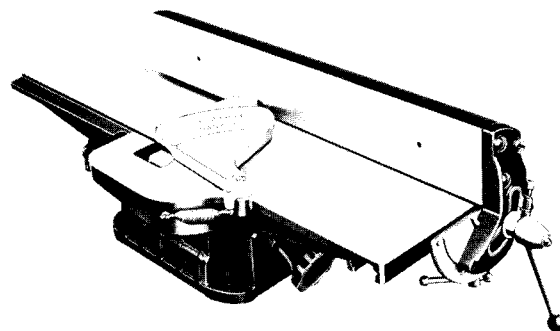
- 1 raising block (Cat. #37-113)
- 4 bolts, nuts and washers

Jointer Carton—Catalog #37-110

Contains:

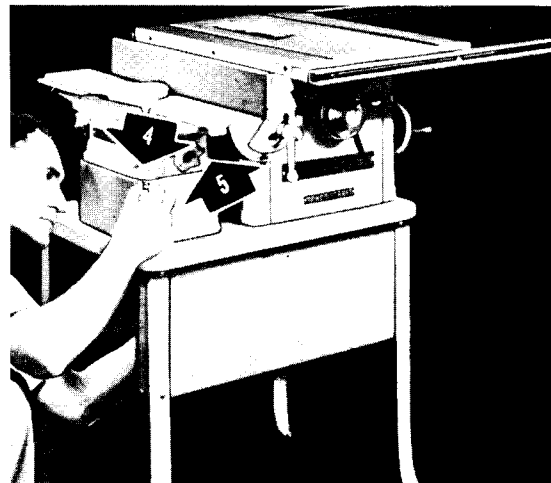
- 1 jointer (Cat. #37-110)
- 1 fence for jointer (Part #HJ-4-S)
- 1 blade guard (Part #J-13-S)
- 1 jointer arbor pulley (Part #J-17-S)
- 49-186 Belt and Pulley Group for 62-253— $\frac{3}{4}$ H.P. motor.

NOTE: Be sure to mount jointer pulley (J-17-S) on jointer arbor before setting jointer on block. Tighten with Allen wrench.



Deltashop
Drill Press

- 1 drill pre
- 1 idler bra
- 1 brace br
- 1 2 1/4" arb
- 2 bolts an
- 1 Allen w
- 1 Hexagor
- 1 Jacobs c
- 1 V-belt (



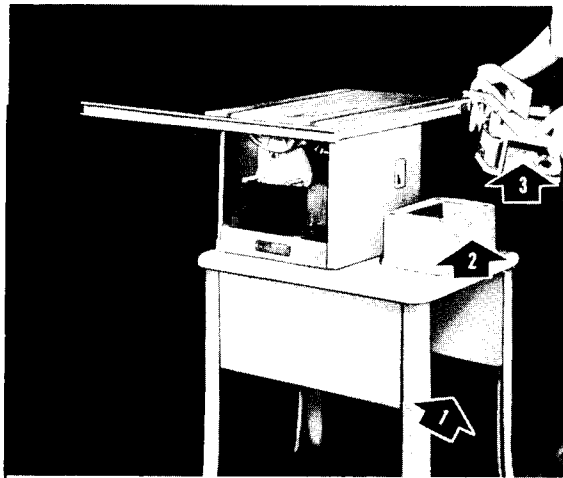
- 4. Insert four bolts from underside of table through aligned holes. Put on washers and securely tighten nuts. Put remaining side panel of stand in position—securely tighten with 4 bolts.
- 5. The jointer table has a slot in the front. Cross-slide bracket on underside of fence scale fits into the slot.

NOTE: Insert blade guard in hole on table and secure spring after you have placed fence in position.

- 6. Slip sleeve over the larger end of the motor shaft. Tighten set screw.
- 7. Mount the jointer drive (larger) pulley on sleeve, with hub facing motor. Tighten set screw.
- 8. Raise motor and place jointer belt on jointer shaft and motor drive pulley.

NOTE: The only time it is necessary to remove the jointer belt is when the saw arbor is tilted.

Be sure to study your Jointer Operating & Maintenance Instruction Sheet carefully.



- 1. Remove panel on jointer side of stand.
- 2. Position raising block over the other opening in the stand. Design on block should face away from saw.
- 3. Place jointer on the raising block. Align holes in jointer base with corresponding holes in raising block and stand; name plate to the outside.

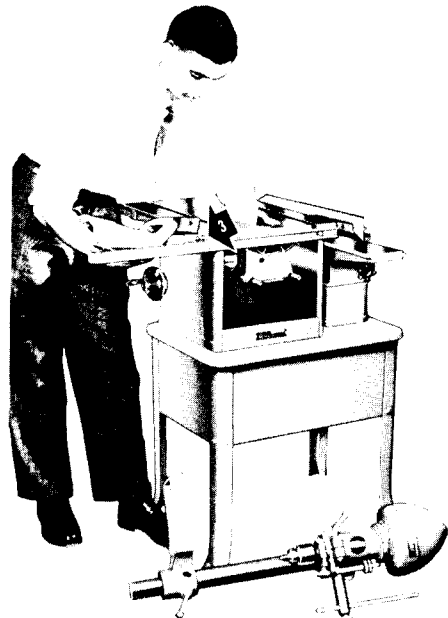
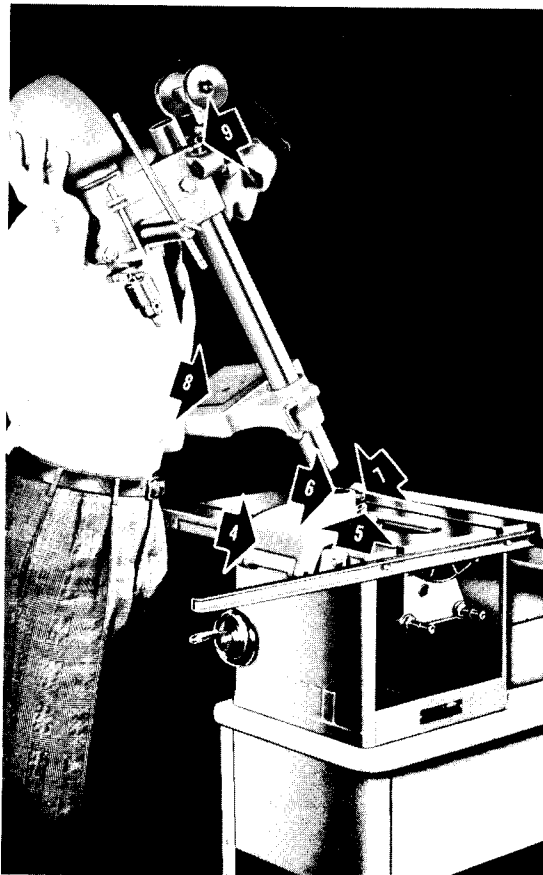


DELTASHOP DRILL PRESS

Deltashop Unit No. 3 includes:
 Drill Press and Accessory Carton—Catalog # 11-130

Contains:

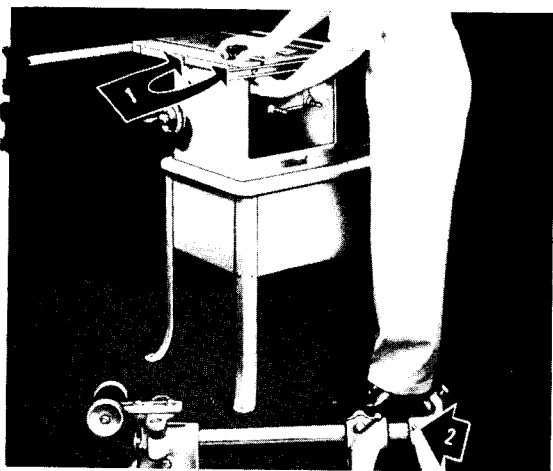
- 1 drill press
 - 1 idler bracket
 - 1 brace bracket
 - 1 2 1/4" arbor pulley (Cat. # 49-189)
 - 2 bolts and nuts
 - 1 Allen wrench (Part # SP-2)
 - 1 Hexagonal box wrench (Part # SBS-47)
 - 1 Jacobs chuck key (Part # DP-44)
 - 1 V-belt (Cat. # 49-179)
- } Assembled



1. Working inside the saw cabinet from rear, insert the two bolts into holes on edge of saw table.
2. Loosen two box head screws in drill press mounting bracket and base. Slide base and bracket off column.
3. Place drill press mounting base and bracket on bolts; put nuts on bolts and tighten securely.
4. Swing drill press mounting base up and rest on saw table.
5. Securely tighten lock screw clamp to edge of saw table insert opening.
6. Lift drill press and insert column in hole in base.
7. Tighten two hexagon screws in base at rear.
8. Turn table of drill press to left to prevent damage to circular saw when lowering drill press to non-operating position.
9. Loosen hexagonal screws to bring idler pulley bracket assembly and saw arbor pulley into vertical alignment.
10. For instruction on installing drive belt see Page 7.

NOTE: Keep drill press in non-operating position when not in use.

Be sure to study your Drill Press Operating & Maintenance Instruction Sheet carefully.



HOW TO ASSEMBLE DELTASHOP UNIT #4

DELTASHOP SANDER

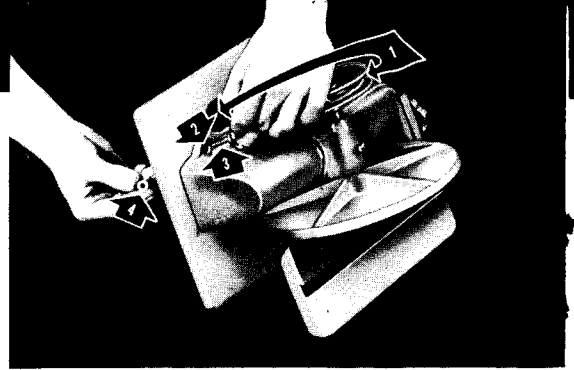
Deltashop Unit No. 4, Catalog # 31-202 includes:

Sander Carton—Catalog # 31-200 and
Sander Base Carton—Catalog # 31-201

Contains:

- 1 sander (assembled) (Cat. # 31-200)
- 1 base plate (Cat. # 31-201)
- 1 V-belt (Cat. # 281)
- 1 arbor pulley (attached) (Cat. # 5400)
- 1 garnet paper disk (Cat. # 46-817)
- 4 bolts, nuts and washers
- 1 tube disk adhesive (Cat. # 49-503)

- 1. Position mounting base on sander. Be sure opening on base plate is directly below pulley.
- 2. Align bolt holes on sander with those in mounting base.

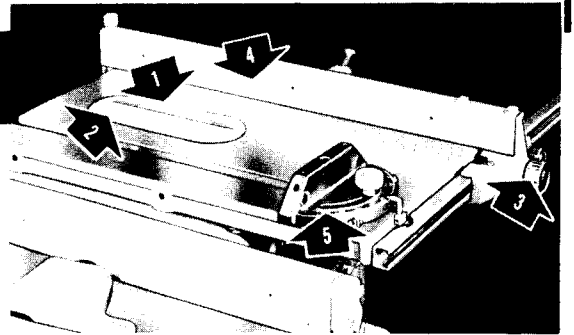


- 3. Insert bolts with washers on them through holes.
- 4. Place nuts on bolts and securely tighten.

Be sure to study your Sander Operating & Maintenance Instruction Sheet carefully.

HOW TO SET UP YOUR DELTASHOP AS A CIRCULAR SAW

- 1. Your saw should arrive with saw blade mounted. If not, remove hexagonal nut and saw blade flange from saw arbor. Place saw blade on arbor and replace saw blade flange and hexagonal nut. Tighten nut with saw arbor wrench, use a board to keep saw blade from turning.
- 2. Place table insert in table.
- 3. Loosen large hand lock knob on rip fence.
- 4. Slide rip fence onto the guide rails. Make sure hook in rear end of fence is hooked under flange of rear guide bar. Tighten hand lock knob when fence is placed in desired position. Small hand knob can be used to make close adjustments. When securing the fence be sure to tighten small knob over rear guide bar.
- 5. Place miter gage in table groove.



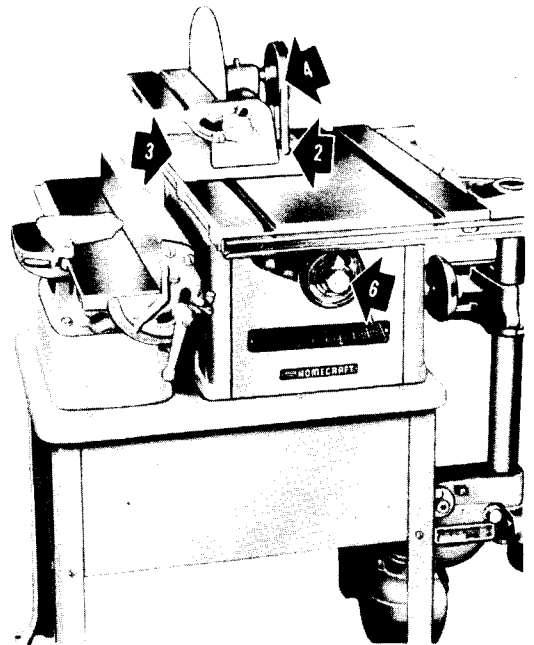
HOW TO SET UP YOUR DELTASHOP AS A JOINTER

Your jointer is always ready to use. Just be sure belt is engaged.

HOW TO SET UP YOUR DELTASHOP AS A SANDER

- 1. Replace saw blade with saw arbor pulley. Do not use metal flange.
 - 2. Place sander belt on sander pulley through hole in base plate.
 - 3. Place sander on saw table with opening in base plate over table insert opening. Notches on bottom of sander fit snugly in insert opening. (Note: Base plate aligns parallel with saw table.)
 - 4. Slip sander belt over arbor pulley.
- Put tension on sander belt by lowering arbor with hand wheel.

Your sander is now ready to use. It is controlled by the switch on circular saw.



HOW TO SET UP YOUR DELTASHOP AS A DRILL PRESS

NOTE: Remove saw table insert and saw blade.

Place arbor pulley on saw arbor—replace and tighten hexagonal nut. Do not use metal flange.

1. Raise drill press into operating position.
2. Hook end of lock screw under edge of table insert opening. Tighten lock screw engaging edge of insert opening.
3. Place drill press belt on cone pulley by moving drill press feed handle down to provide clearance. Release feed handle. (Be sure belt is in parallel position when operating drill press.) To make it parallel raise idler bracket up and down, see 8.

NOTE: If idler pulley is tight, loosen two idler pulley nuts slightly.

4. Place belt on idler pulleys.
5. Insert belt through table insert opening and place belt on arbor pulley.
6. Put tension on drill press by lowering saw arbor with raising and lowering hand wheel.

NOTE: When new your belt is stiff. Flex it a few times until it becomes soft. Keep only minimum tension on drill press pulley.

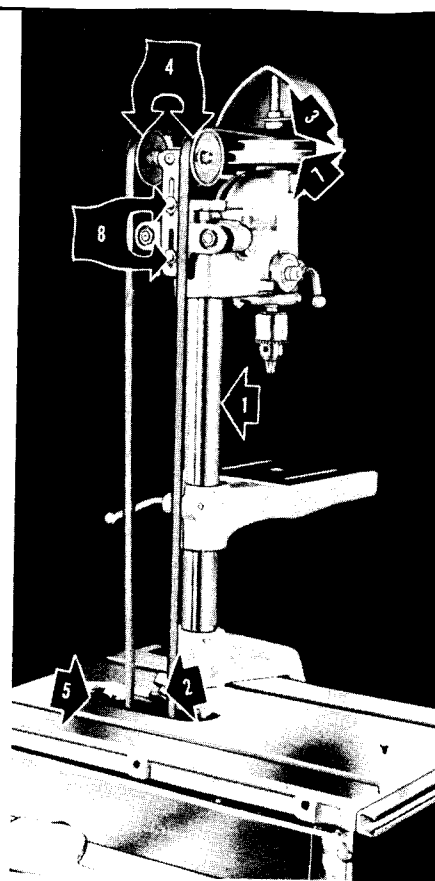
TO CHANGE SPEED ON YOUR DRILL PRESS

NOTE: Loosen tension on belt by raising saw arbor, see No. 6.

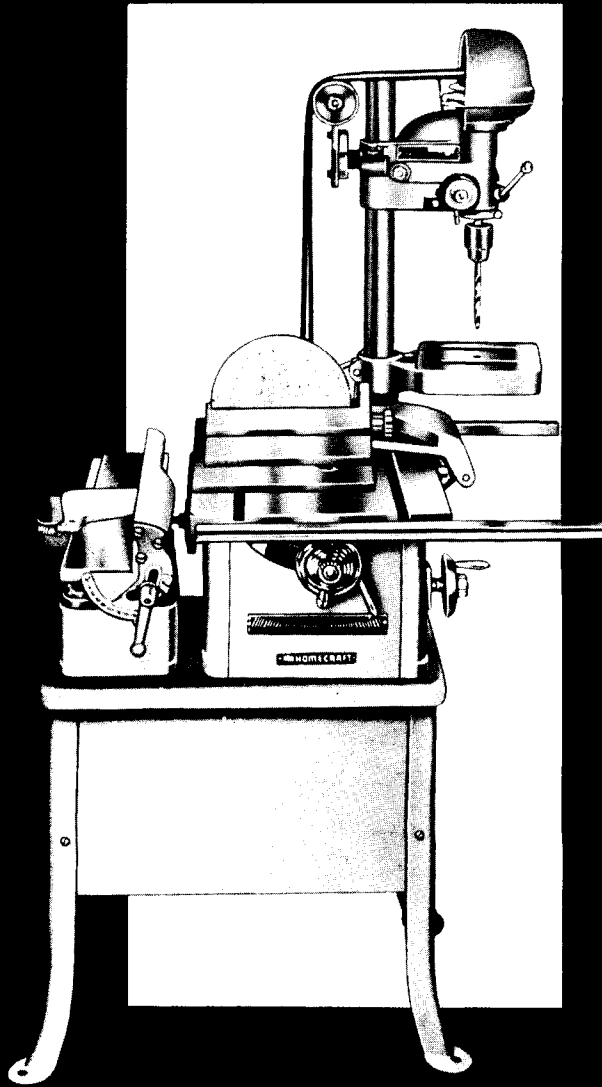
7. Shift belt to desired step of cone pulley.
8. Loosen bolts on idler bracket and move bracket up or down until part of belt between idler pulley and step pulley is in a horizontal position. Tighten bolts on idler bracket.

Put tension on drill press belt by lowering saw arbor.

Some Suggestions



1. Each tool has an operating and maintenance instruction booklet—study it carefully.
2. Send in Warranty Cards for free operating manuals.
3. Get the most out of each basic tool by using Delta accessories. As an example: In addition to all types of ripping and cross cutting on the saw you can also use a dado head to cut grooves easily and accurately . . . a moulding cutter-head to cut beautiful mouldings, etc.



A SPACE SAVING,
TIME SAVING,
MONEY SAVING
ONE MOTOR UNIT
COMPOSED OF THE
MOST-USED, FAMOUS

*DELTA
HOMECRAFT
QUALITY
POWER TOOLS*



DELTA POWER TOOL DIVISION

Rockwell MANUFACTURING COMPANY PITTSBURGH 8, PENNSYLVANIA