

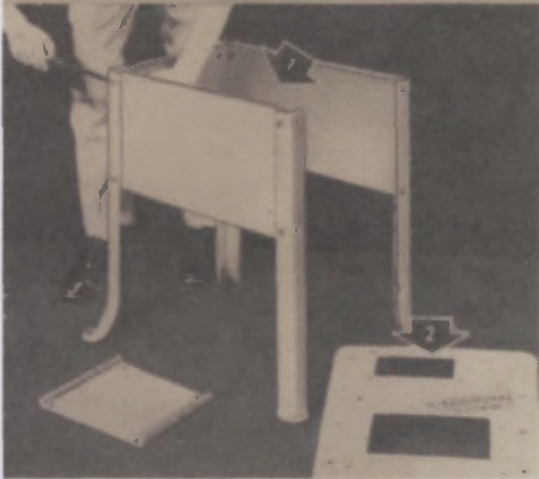
ASSEMBLY OF
YOUR **DELTA SHOP**



YOU HAVE
A LIFETIME
INVESTMENT

DELTA
MILWAUKEE

HOW TO ASSEMBLE BASIC DELTASHOP



SAW CARTON AND SAW ACCESSORY CARTON— BOTH MARKED CATALOG NO. 34-500

Contains:

- 1 circular saw
- 1 arbor pulley (assembled on arbor)
- *1 motor mounting bracket
- 1 8" combination blade
- *1 motor mounting plate
- *1 rip fence
- *1 miter gage with stop rod
- 2 rip fence guide bars
- 4 shoulder screws, depth collars and one Allen wrench
- 1 circular saw table insert
- 1 switch name plate
- 1 3 ft. power cord
- 4 bolts and nuts and 8 washers
- 1 hand wheel and hand knob
- 1 wrench
- 2 miter gage bolts with wrench

* Items marked with asterisk are to be put aside for now.

NOTE: To clearly illustrate operation, circular saw is shown with short guide bars throughout manual. Your machine actually has a 24" guide bar.

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.

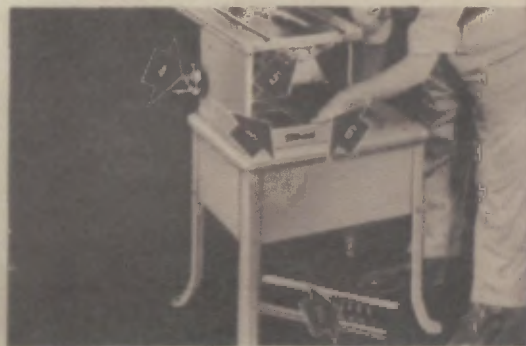
6. Working inside the saw cabinet with one hand and the underside of the stand with the other, insert the bolts in the holes; put washers and nuts on bolts, and securely tighten. Use 2 washers on each bolt; one above hole and one below hole.

STEEL STAND CARTON—CATALOG NO. 50-308

Contains:

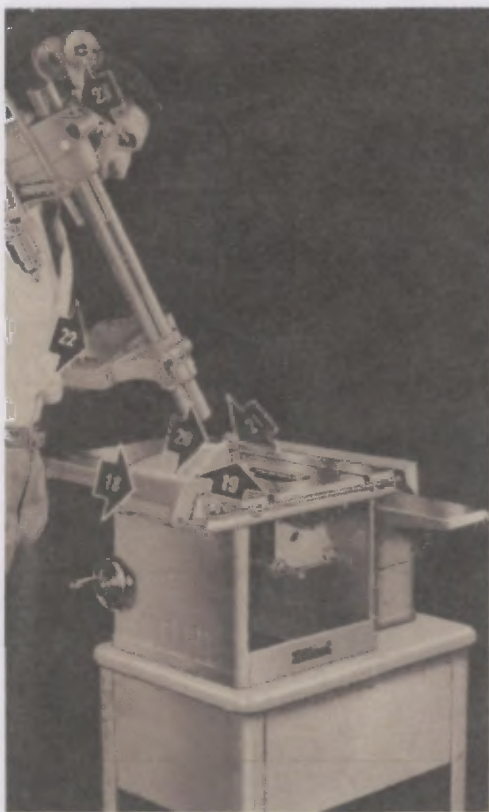
- 4 bolts, washers, and nuts
- 4 side panels
- 4 legs
- 1 top
- 20 bolts, nuts, washers

1. Attach three panels to legs by means of twelve washers, bolts and nuts. Be sure holes in flange of side panels are facing up and that the end panel flange is level with flanges of side panels.
2. Place the top on the stand and insert the eight bolts in holes along the edges of the top; place the washers and nuts on the bolts and securely tighten. (Small rectangular cut-out in top should be towards open end of stand.)



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.



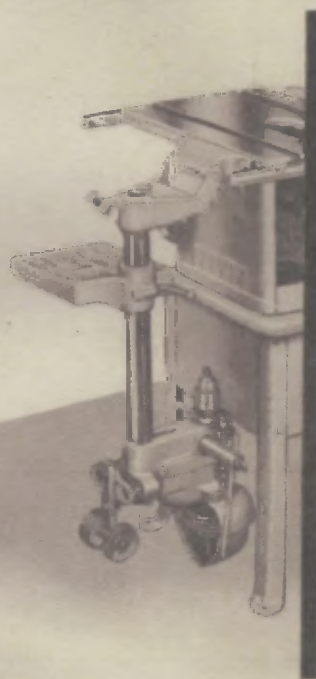
15. Working inside the saw cabinet from rear, insert the two bolts into holes on edge of saw table.
16. Loosen two box head screws in drill press mounting bracket and base. Slide base and bracket off column.
17. Place drill press mounting base and bracket on bolts; put nuts on bolts and securely tighten.
18. Swing drill press mounting base up and rest on saw table.
19. Securely tighten lock screw clamp to edge of saw table insert opening.
20. Lift drill press and insert column in hole in base.
21. Tighten two box head screws in base at rear.
22. Turn table of drill press to left to prevent damage to circular saw when lowering drill press to non-operating position.
23. Loosen hexagonal screws to bring idler pulley bracket assembly and saw arbor pulley into vertical alignment.

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

**SANDER CARTON—CATALOG NO. 31-200 AND
SANDER BASE CARTON—CATALOG NO. 31-201**

Contains:

- 1 sander (assembled)
- 1 base plate
- 1 V-belt
- 1 arbor pulley (attached)
- 1 garnet paper disk
- 4 bolts, nuts and washers
- 1 tube disk adhesive



24. Position mounting base on sander. Be sure opening on base plate is directly below pulley.
25. Align bolt holes on sander with those in mounting base.
26. Insert bolts with washers on them through holes.
27. Place nuts on bolts and securely tighten.

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



**JOINTER RAISING
BLOCK CARTON—
CATALOG NO. 37-113**

Contains:

- 1 raising block
- 4 bolts, nuts and washers

11. Position raising block over the other opening in the stand.

NOTE: Design on the block should face away from saw.



JOINTER CARTON—CATALOG NO. 37-110

Contains:

- 1 jointer
- 1 fence for jointer

- 1 blade guard
- 1 jointer pulley

NOTE: Be sure to mount jointer pulley on jointer arbor before setting jointer on block. Tighten with Allen wrench.

12. Place jointer on the raising block. Align holes in jointer base with corresponding holes in raising block and stand; name plate to the outside.
13. 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.
14. 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.



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

**DRILL PRESS AND ACCESSORY
CARTON—CATALOG NO. 11-130**

Contains:

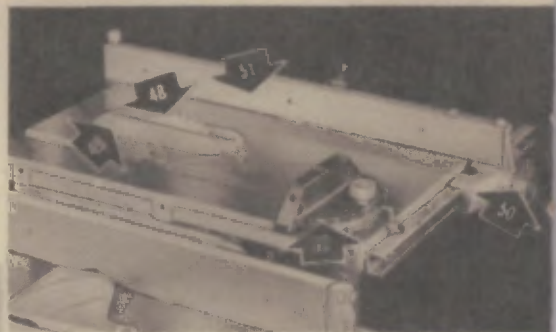
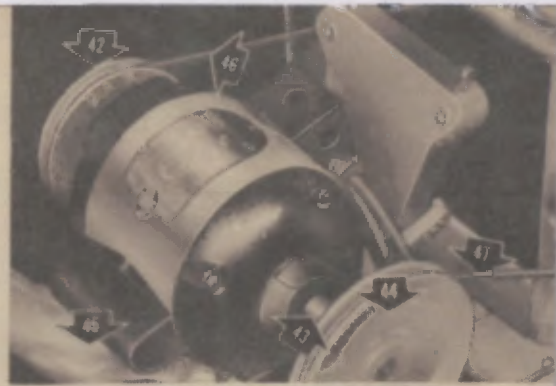
- 1 drill press
- 1 idler bracket } Assembled
- 1 brace bracket }
- *1 3" arbor pulley
- *1 Allen wrench
- *1 hexagon box wrench
- *1 Jacobs chuck key
- *1 V-belt
- 2 bolts and nuts

*Items marked with asterisk are to be put aside for now.



40. Place switch plate on switch.
41. Lock switch into position with lock nut.
42. Mount the saw drive motor pulley (smaller of the two pulleys) on the shorter end of motor (left side of motor) with the hub facing away from motor.
43. Slip sleeve over the larger end of the motor shaft. Tighten set screw.
44. Mount the jointer drive pulley on sleeve, with hub facing motor. Tighten set screw.
45. Raise motor with hand.
46. Place circular saw belt on saw and saw drive pulley. Lower motor; weight of motor holds tension.
47. Similarly 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.



HOW TO SET UP YOUR DELTASHOP AS A CIRCULAR SAW

48. Your saw blade will usually 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 (hold nut with wrench, tighten by pulling on V-belt.)
49. Place table insert in table.

50. Loosen lock nut on rip fence.
51. Slide rip fence onto the guide rails. Make sure hook in rear end of fence is hooked under flange of rear guide bar. Tighten lock hand knob when fence is placed in desired position.
52. Place miter gage in table groove.

Your saw is now ready to use.

HOW TO SET UP YOUR DELTASHOP AS A JOINTER

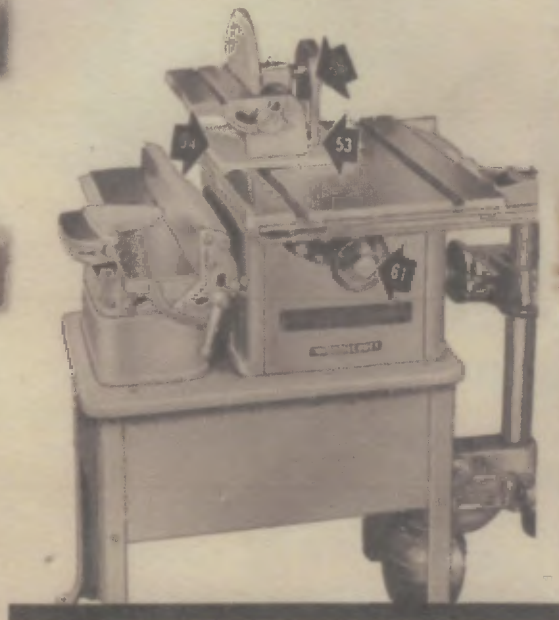
Your jointer is always ready to use. Just be sure belt is engaged.

HOW TO SET UP YOUR DELTASHOP AS A SANDER

53. Place sander belt on sander pulley through hole in base plate.
54. Place sander on saw table with opening in base plate over table insert opening. (Note: Base plate aligns parallel with saw table.)
55. Place sander belt on sander and arbor pulleys.

Put tension on sander belt by lowering arbor with racking hand wheel.

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



HOW TO MOUNT MOTOR AND MOTOR ACCESSORIES

(The motor and toggle switch are purchased extra.)

28. Place motor mounting plate on projecting ends of the tie-rod which extend from rear of cabinet.

NOTE: Motor mounting bracket and motor mounting plate are included in the circular saw carton.

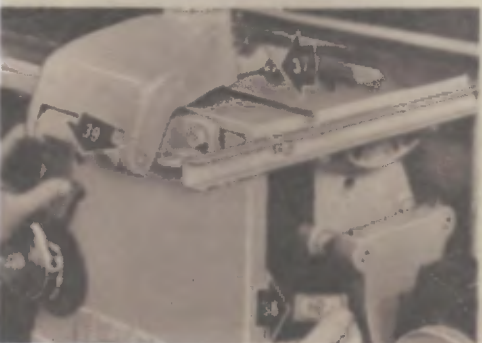
29. Tighten the two plate box head screws.



30. Place motor on floor with larger end of shaft to left.
31. Place motor mounting bracket on motor, and insert bolts (from under side) through slots in bracket into holes in motor base.
32. Place washers and nuts on bolts; securely tighten nuts.
33. Align 2 holes on motor mounting bracket with the extended hole in motor mounting plate.
34. Attach plate with motor mounting bracket by inserting motor plate rod.
35. Ease motor down with hand until plate locks with bracket.
36. Tighten set screw under rod.
37. Replace drill press in operating position and tighten lock screw to saw table.

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

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



HOW TO SET UP YOUR DELTASHOP AS A DRILL PRESS

NOTE: Remove saw blade and saw table insert.

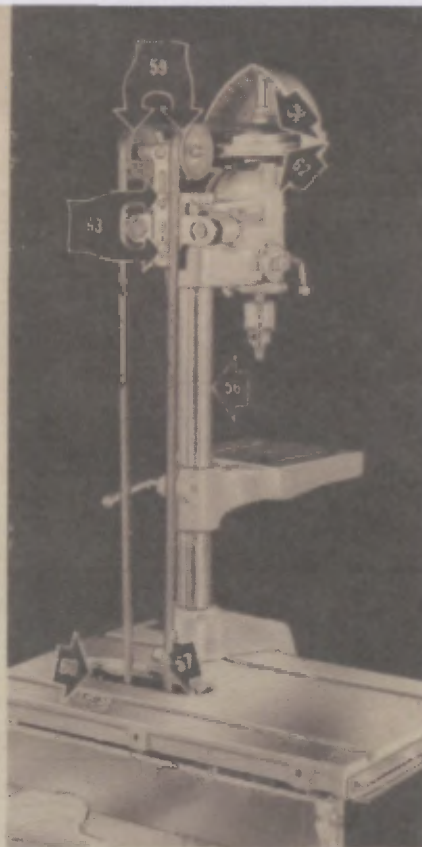
Place arbor pulley on saw arbor—replace and tighten hexagonal nut.

56. Raise drill press into operating position.
57. Hook end of lock screw under edge of table insert opening. Tighten lock screw onto it, engaging edge of insert opening.
58. 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 52.

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

59. Place belt on idler pulleys.
60. Insert belt through table insert opening and place belt on arbor pulley.
61. 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

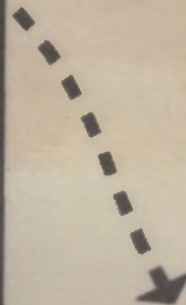
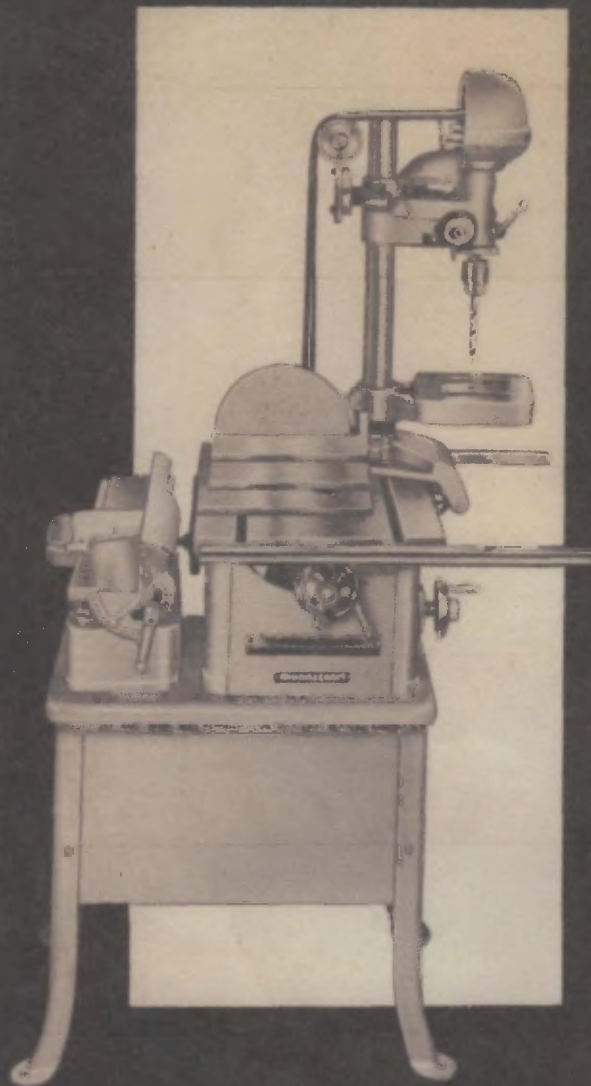
NOTE: Loosen tension on belt by raising saw arbor, see No. 61.

62. Shift belt to desired step of cone pulley.
63. 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 (see No. 61).

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
TOOLS**



DELTA POWER TOOL DIVISION

Rockwell MANUFACTURING COMPANY PITTSBURGH 8, PENNSYLVANIA

AD-746