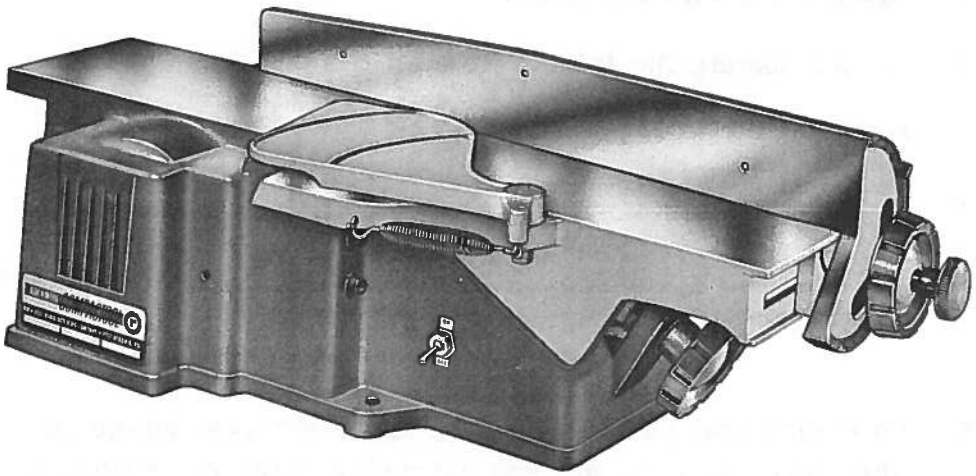
OPERATING INSTRUCTIONS

FOR

COMPACTOOL JOINTER



Rockwell

MANUFACTURING COMPANY

DATED IM 6-1-65

PM-418-07-651-0001

SAFETY RULES

1. Always keep your hands on top of the work.
2. Always hold the work firmly on the table or against the fence.
3. Always cut with the grain.
4. Do not operate the jointer unless the guard is in place.
5. Do not use the jointer when the knives are dull.
6. Do not wear jewelry or loose clothing.
7. Make certain that line voltage to motor and fuse is correct for your installation.
8. To assure that your Compactool Motor receives adequate voltage when under load do not use extension cords of inordinate length or too light of a wire gauge. For average service, using extension cords up to 25' long, #16 gauge wire is the minimum recommended.
9. Where possible, it is good practice to install a separate fused circuit direct from the service entrance to your Compactool — such outlets require minimum #14 gauge wire size and should be fused with a 15 amp time lag fusetron, Under no circumstances should you use common lamp cord or hardware extensions since they do not have the voltage carrying capacity required by your Compactool Motor.

INTRODUCTION

Your new Rockwell Compactool Jointer is simple to operate and is built to give long years of troublefree performance. However, you will achieve maximum results if you will take a few minutes to read through this manual. On the following pages you will find several hints that will increase the utility of your machine and help you better maintain its efficiency.

Rockwell Compactools mechanize countless laborious hand chores around the home workshop. They eliminate fatigue and speed up slow operations in many specialized types of work.

These Compactools are built to the same standards of precision and quality that have made Rockwell famous as producers of fine tools for industry and home.

Printed in U.S.A.

Your Rockwell Compactool Jointer comes fully assembled and ready for use. All that is necessary for you to do is fasten the jointer to a table or work bench using the holes provided in the base.

Although your jointer was carefully adjusted at the factory, it should be checked before being put into operation. Any inaccuracies due to rough handling in transit can easily be corrected by following these directions.

TABLE AND KNIFE ADJUSTMENTS

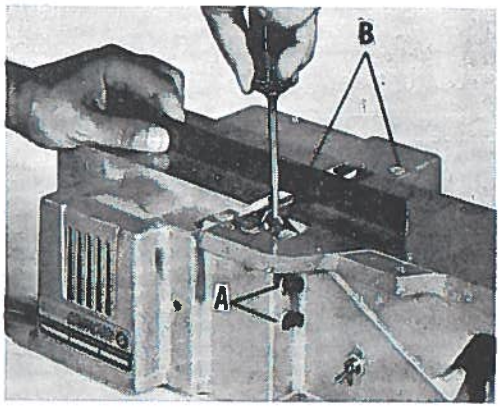
The knives and the front table (when the pointer is at the lowest mark on the scale) should be exactly level with the rear table. To check this adjustment, proceed as follows:

1. Disconnect the jointer from the power source.

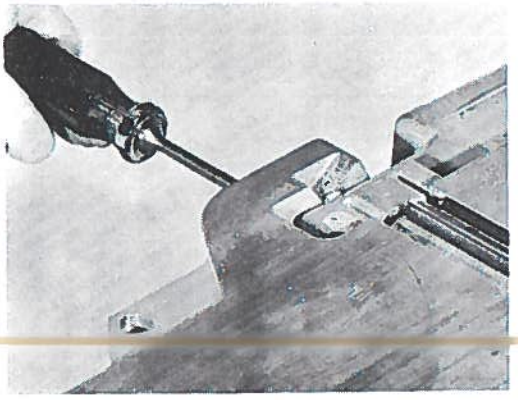
2. Lower the front table. Place a straight edge on the rear table extending over the cutterhead.

3. Rotate the cutterhead by hand. The knives should just touch the straight edge.

4. If the cutterhead must be raised or lowered, loosen the four hex head screws (A), two located on each side of cabinet.



5. Keeping downward pressure on the screwdriver, turn screws (B) clockwise to raise or counter-clockwise to lower the cutter-head until the knives just touch the straight edge. When the knives are parallel with both sides of the table, tighten the four hex head screws (A).



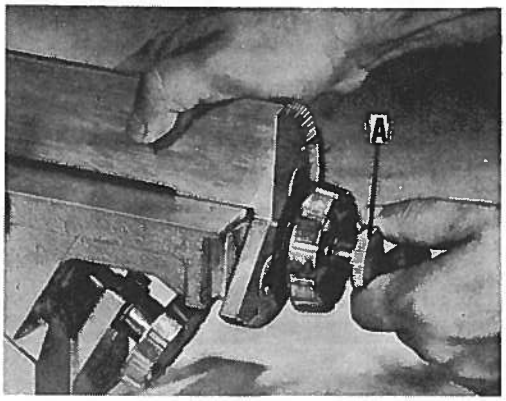
6. Make sure the front table is level with the rear table by raising or lowering the front table as necessary.

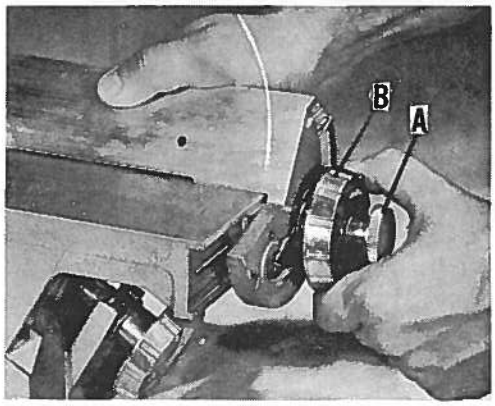
7. When you are convinced the front table, knives, and rear table are level, place the pointer at the bottom line on the scale. Each line on the scale represents 1/32".

FENCE ADJUSTMENT

The fence can be moved across the table and can be tilted 45° right or left at any position on the table.

1. To move the fence to the right or left on the table, loosen the lock-knob (A), move the fence to the desired position and tighten the lock-knob.

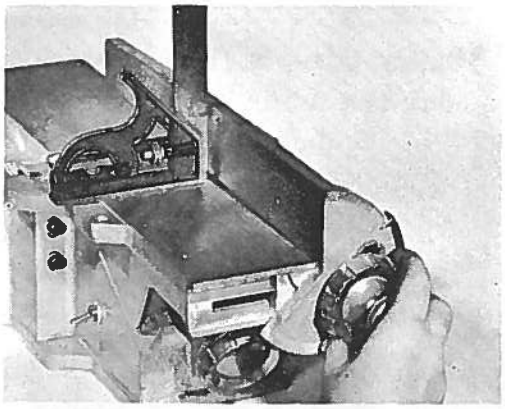


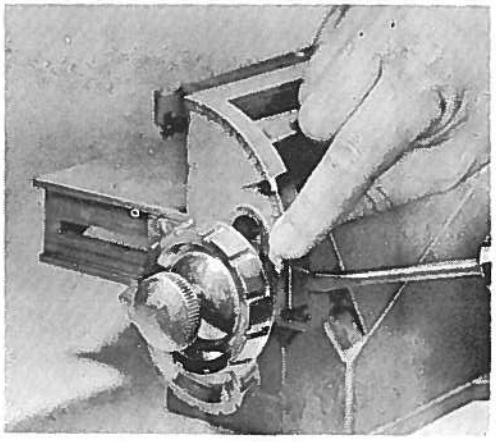


2. To tilt the fence, loosen the fence locking knob (B), tilt the fence to the desired angle and tighten the fence locking knob. (It is not necessary to loosen lock-knob (A) for this adjustment.)

3. To adjust the fence so that it is at a 90° angle to the table, place a square on the table with one end against the fence.

4. Loosen the fence locking knob, and adjust the fence until you are satisfied it is at a 90° angle. Then tighten the fence locking knob.



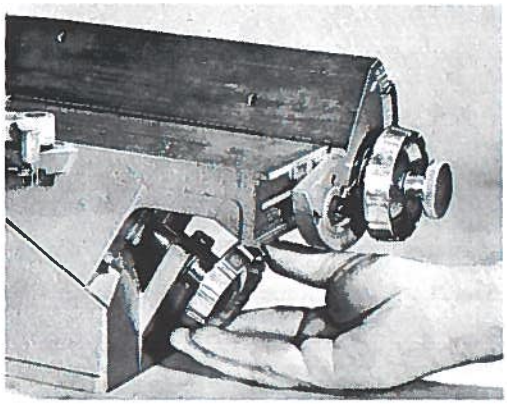


5. Loosen the screw on the pointer and move the pointer to the mark on the scale that is equi-distant from both 45° marks.

DEPTH OF CUT

The amount of material removed by a single cut can be any thickness from a very thin shaving to 1/4 inch.

Adjust for depth of cut by raising or lowering the front table, using the hand knob on the front of the base.

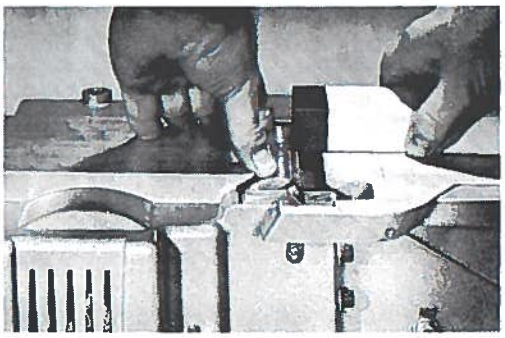


HONING KNIVES

Careful honing at regular intervals will maintain a sharp cutting edge on the knives for some time. In order to hone the knives properly, proceed as follows:

1. DISCONNECT JOINTER FROM POWER SOURCE.

2. Partly cover a fine sharpening stone with wax paper, so it will not mark the table, and place it on the front table.



3. Turn the cutterhead until the stone rests flat on the bevel of the knives.

4. Hone the knives by stroking them lengthwise with the stone, applying the same number of strokes to each knife.

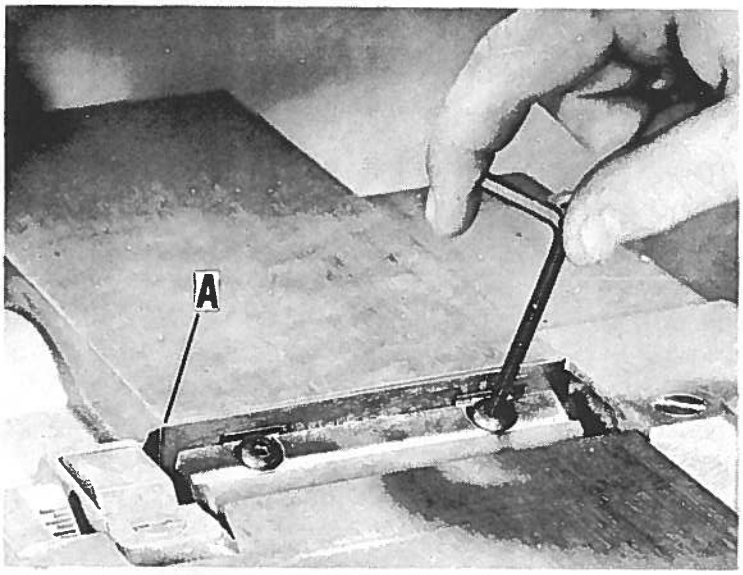
5. After this operation is completed, it is necessary to check to be sure the cutting circle of the knives is even with the leading edge of the rear table. If an adjustment is necessary refer to the information listed under TABLE AND KNIFE ADJUSTMENTS.

REPLACING KNIVES

When the knive cannot be properly sharpened by honing them, they must be replaced as follows:

1. Disconnect the jointer from the power source.

2. Using an Allen wrench, turn out the screws that hold the knives in place and remove the old knives.



3. Make sure the slots in the cutterhead are clean and insert new knives. Place the screws in the cutterhead making sure the head of the screws are inserted through the slots in the knives.

4. Care should be taken that each of the knives extend the same amount (approximately 1/16") beyond the left edge of the rear table (A). Then tighten screws securely.

5. After inserting new knives, recheck to make sure the knives are level with the back table. If an adjustment is necessary, refer to the instructions listed under TABLE AND KNIFE ADJUSTMENTS.

CUTTERHEAD REPAIRS

Special tools are required to remove and replace the ball bearings on the cutterhead. When the bearings or cutterhead need replacing order a complete new cutterhead assembly, or return the old one to us for repairing for which there is a nominal charge covering repair work plus a small labor charge per bearing for installing.

Be sure to send the complete cutterhead assembly with bearings and housings, less pulley, by prepaid express or parcel post insured. Cutterheads may be returned to:

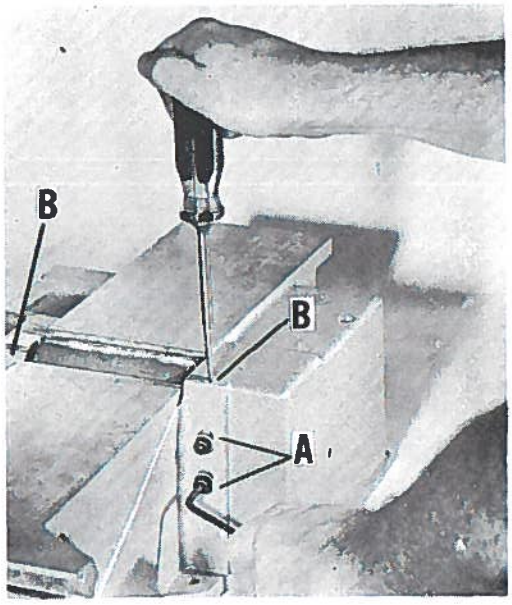
Rockwell Manufacturing Company
Power Tool Division
Tupelo, Mississippi
Attention: Service Department

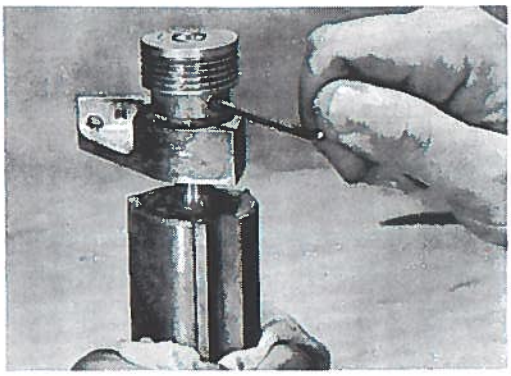
Proceed as follows when removing the cutterhead from the jointer.

1. Disconnect the jointer from the power source.
2. Remove the belt from tne pulley.

3. Remove the four screws (A), two located on each side of the cabinet.

4. Unscrew the two screws (B) and the cutterhead will drop down through the inside of the jointer.





5. Remove the pulley from the cutterhead.

6. When installing the cutterhead in the jointer, reverse the above instructions.

MOTOR WARRANTY

The motor unit of your Rockwell Compactool is guaranteed against any defect in material or workmanship for a period of one year from the date of purchase. Under the terms of this guarantee, Rockwells liability is limited to the repair or replacement of any part or parts, at our option, which prove upon our examination to have been defective and not damaged because of abuse or misapplication. For example, these motors are NOT guaranteed against failures resulting from low voltage conditions caused either by long extension cords of inadequate carrying capacity or persistent low line voltage; nor does the guarantee apply on motors failing because of overloading and frequent stalling or connection to lines of improper frequency or voltage.

OVERLOAD PROTECTION

The motor of your Compactool Jointer has a reset overload relay button. If the motor shuts off or fails to start due to overloading, or low voltage, let the motor cool three to five minutes and push the reset button which is located on the end of the motor. If your motor still will not start, we suggest you make the following checks:

1. Check the fuse box for blown fuses.

2. Check the power outlet to make sure the prongs of the plug are making good contact in the outlet.

3. Turn the switch on and off several times in succession.

If the motor fails to start after making these checks, send the complete unit to one of the Rockwell, Porter-Cable factory branches for repair service. If the complete unit cannot be sent, it will be necessary to remove the motor and send it to one of the factory branches listed on Page 12.

SERVICE

Should your motor fail within the warranty period do not attempt repairs yourself since this invalidates the guarantee. Instead, return the complete Compactool unit to the dealer thru whom it was purchased, or one of the Rockwell, Porter-Cable factory branches for repair service. If this is not possible it will be necessary to remove the motor and send it to one of the factory branches listed on Page 12, for repair service.

REMOVING THE MOTOR

Should you find it necessary to remove or replace the motor of your Compactool, proceed as follows.

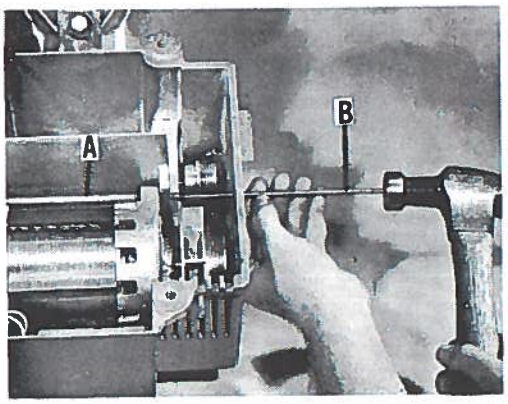
1. Disconnect the jointer from the power source.

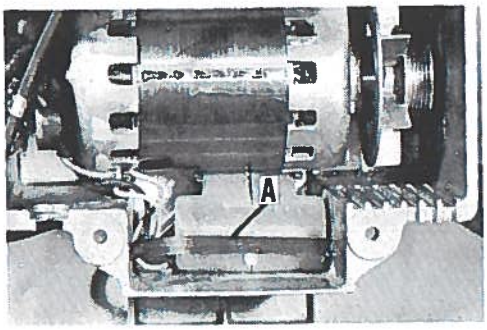
2. Remove the fence and guard from jointer and disconnect the switch from the cabinet.

3. Turn the jointer over so that the tables are flat down on your work bench.

4. Remove the belt from the motor pulley.

5. Remove the pin (A) by tapping it with a hammer and a drift pin (B). NOTE: The drift pin should be approximately 1/4" in diameter and approximately 6" to 8" long.





6. Remove the clip (A) that holds the capacitator relay enclosure to the base.

7. When replacing the motor reverse the above instructions.

OPERATION

The following directions will give the beginner a start on jointer operations. Use scrap pieces of lumber to check settings and to get the feel of the operations before attempting regular work.

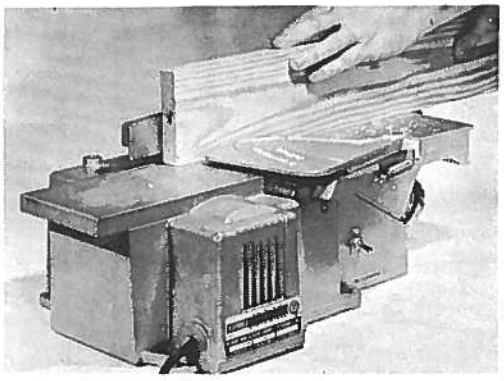
PLACEMENT OF HANDS DURING FEED

Most operators never pass either hand directly over the knives. In working this way, both hands are over the front table at the start of the cut. As soon as the stock is resting solidly on the rear table, the left hand is lifted and placed on this portion of the stock. As the right hand approaches the cutterhead, the work is held down tightly with the left hand, while the right hand is lifted and placed on the stock over the rear table.

JOINTING AN EDGE

Jointing an edge is the simplest and most common operation which can be done on a jointer. To do this proceed as follows:

1. Set the fence square with the table. Depth of cut should be the minimum required to obtain a straight edge. Hold the best face of the work firmly against the fence throughout the feed.

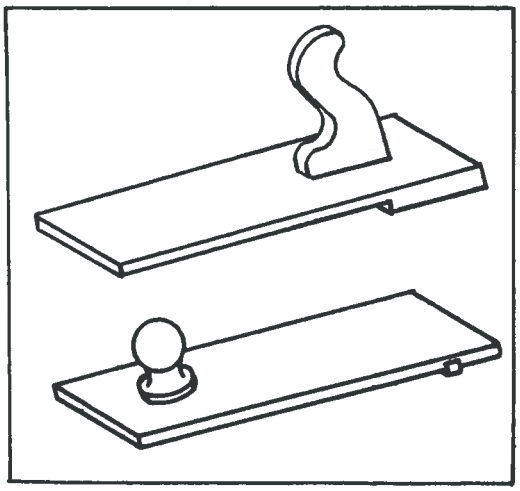


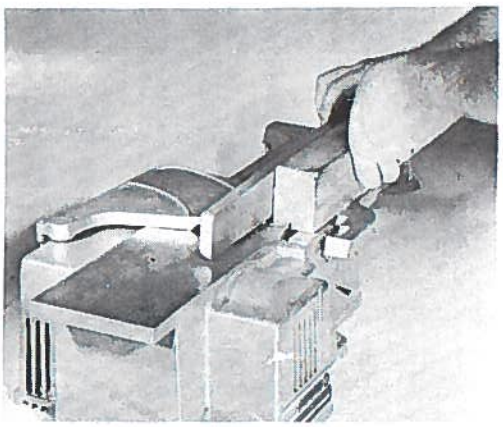
JOINTING WARPED PIECES

If the wood to be jointed is warped, take light cuts until the surface is flat. Avoid forcing such material down against the front table; excessive pressure will spring the work while passing the knives, and it will spring back and remain curved after the cut is completed.

JOINTING SHORT OR THIN WORK

When jointing or planning thin work, use a push block to eliminate all danger to the hands. Two types are shown here and are easily made from scrap material.



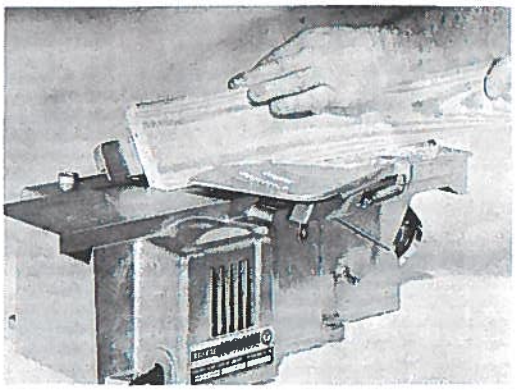


RABBETING

When cutting a rabbet the fence is set to the width of the cut, while the front table is set to the required depth. The guard must be removed and for safety reasons it should be placed in position on the back side of the fence, covering the cutterhead. The spring of the guard should be placed in the hole on the side of the cabinet.

BEVELING

To cut a bevel, lock the fence at the required angle and run the work across the knives while keeping it firmly against the fence and tables. The fence can be tilted in or out as desired. Several passes are usually required to arrive at a full bevel.



ROCKWELL GUARANTEE

Rockwell is proud of the quality of the power tools which it sells. The component parts of our tools are inspected at various stages of production, and each finished tool is subjected to a final inspection before it is placed in its specially designed carton to await shipment. Because of our confidence in our engineered quality, we agree to repair or replace any part or parts of Rockwell Power Tools or Rockwell Power Tool Accessories which examination proves to be defective in workmanship or material. In order to take advantage of this guarantee, the complete portable power tool or accessory, or in the case of machinery, the part must be returned prepaid to the appropriate factory, factory branch, or authorized service station for our examination. This guarantee, of course, does not include repair or replacement required because of misuse, abuse, or normal wear and tear. Repairs made by other than our factory, factory branch, or authorized service station, relieves Rockwell of further liability under this guarantee. This guarantee is made expressly in place of all other guarantees expressed or implied with respect to fitness, merchantability or quality.

Compliments of Tom Ten

ROCKWELL SERVICE CENTERS

ATLANTA, GEORGIA 30301
1495 Northside Drive, N. W.
Phone: 404 873-5434

BOSTON (Allston), MASSACHUSETTS 02134
414 Cambridge Street
Phone: 617 782-1700

CHICAGO (Melrose Park), ILLINOIS 60160
4533 North Avenue
Phone: 312 921-2650

CINCINNATI, OHIO 45203
906 Dalton Street
Phone: 513 241-2737

CLEVELAND, OHIO 44114
1234 East 26th Street
Phone: 216 621-6329

COLUMBUS, OHIO 43214
4560 Indianola
Phone: 614 263-0929

DALLAS, TEXAS 75247
2934 Iron Ridge Street
Phone: 214 631-1890

DETROIT, MICHIGAN 48221
18901 Wyoming Avenue
Phone: 313 341-9414

KANSAS CITY, MISSOURI 64105
1649 Jarboe Street
Phone: 816 221-2070

LONG ISLAND CITY, NEW YORK 11106
23-56 Broadway
Phone: 212 721-3536

LOS ANGELES, CALIFORNIA 90007
2400 S. Grand Avenue
Phone: 213 749-0386

MINNEAPOLIS, MINNESOTA
(St. Louis Park) 55400
4310 West 36½ Street
Phone: 612 920-3087

NORTH MIAMI, FLORIDA 33160
2320 N. E. 171st Street
Phone: 305 945-7644

PHILADELPHIA, PENNSYLVANIA 19124
4210 MacAlester Avenue
Phone: 215 455-7907

PITTSBURGH, PENNSYLVANIA 15208
400 N. Lexington Avenue
Phone: 412 241-8400 (Ext. 252)

SAN FRANCISCO, CALIFORNIA 94103
55 Potrero Street
Phone: 415 626-0544

SANTA CLARA, CALIFORNIA 95050
2305 Dela Cruz Boulevard
Phone: 408 241-9790, 91

SEATTLE, WASHINGTON 98101
1918 Minor Avenue
Phone: 206 622-4576

SYRACUSE, NEW YORK 13201
700 Marcellus Street
Phone: 315 476-4231

UNION, NEW JERSEY 07083
945 Ball Avenue
Phone: 201 964-1730

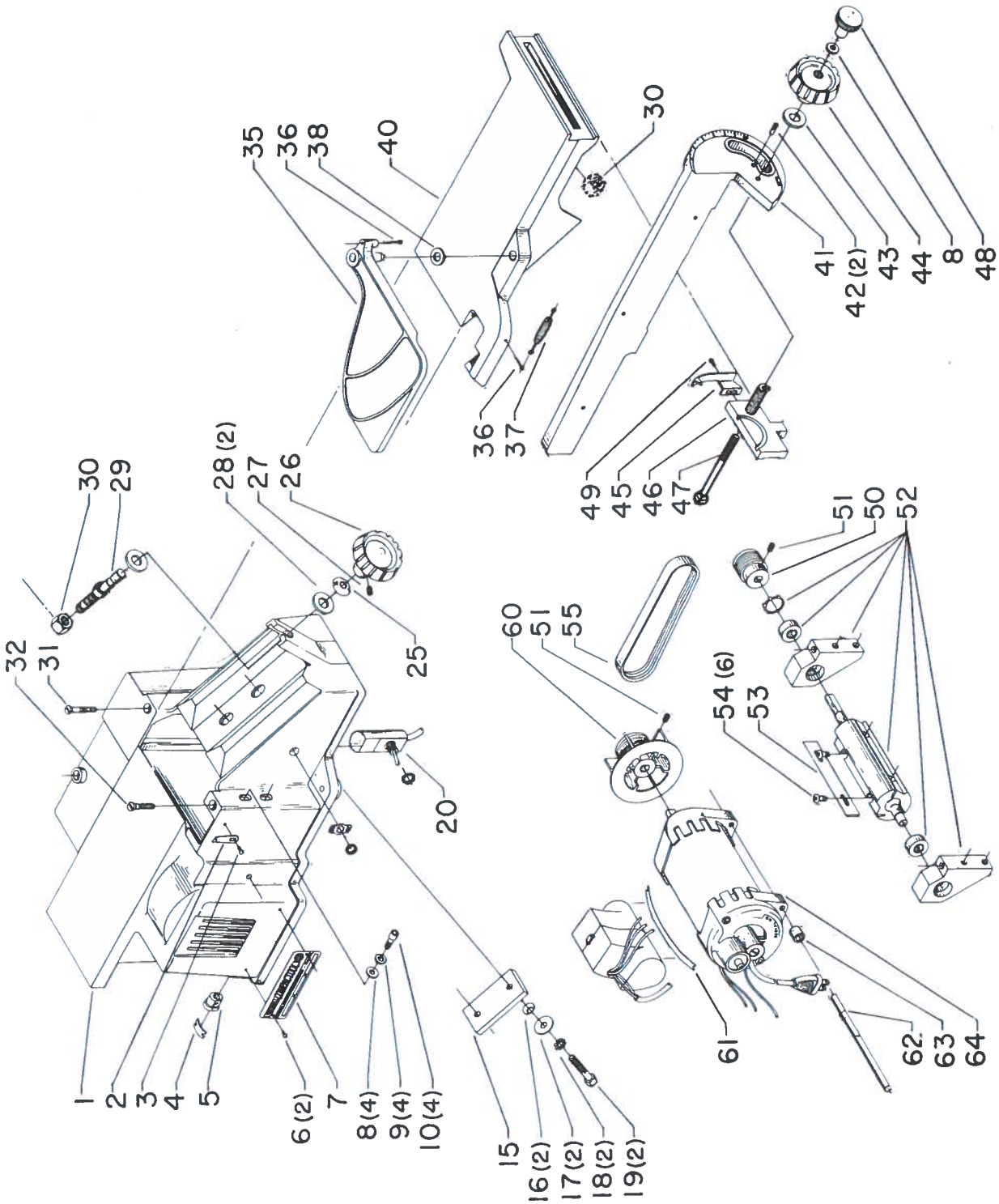
WASHINGTON, D. C. 20018
1717 Hamlin Street, N. E.
Phone: 202 529-5145

MONTREAL, QUEBEC, CANADA
7609 St. Hubert Street

QUEBEC CITY, QUEBEC 3
1199 Fourth Avenue

TORONTO, ONTARIO, CANADA
51 Wardlaw Avenue

VANCOUVER, B. C.
1970 Pine Street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Replacement Parts

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	418-07-005-0001	Base	36	SP-2101	3/32 x 5/8" Cotter Pin
2	418-07-075-0002	Depth Pointer	38	904-07-011-7758	Special Fibre Washer
3	901-02-010-7725	#4-40 x 1/8 Rd. Hd. Scr.	40	418-07-091-0001	Table
4	402-08-079-0001	Retainer Spring	•	418-07-343-0001	Fence Assembly, Consisting of:
5	438-01-004-0037	Grommet	41	418-07-043-0001	Fence
6	SP-2250	#4 x 3/16 Drive Screw	42	905-02-021-8108	3/16 x 1/2" Groove Pin
7	960-02-011-8317	Nameplate	43	SP-1636	17/32 x 1 1/16 x .095" Washer
8	SP-1614	9/32 x 5/8 x 1/16" Washer	44	931-04-011-6373	Knob
9	SP-1702	1/4" Split Lockwasher	49	SP-3048	#4-40 x 1/4 Rd. Hd. Screw
10	SP-229	1/4-20 x 1/2" Soc. Hd. Scr.	45	418-07-075-0001	Pointer
15	418-07-004-0001	Bar	46	418-07-355-0001	Guide Assembly
16	904-02-101-7705	Spring Washer	47	SP-894	1/4-20 x 2 1/2" Carriage Bolt
17	SP-1620	11/32 x 1 1/16 x .065 Washer	48	931-02-151-6372	Knob
18	SP-1656	5/16" External Tooth Lockwasher	50	926-01-991-7433	Spindle Pulley, Including:
19	SP-602	5/16-18 x 1 1/4" Hex. Hd. Scr.	51	SP-208	1/4-20 x 1/4" Soc. Set Screw
20	438-01-017-0048	Switch	52	418-07-357-0002	Cutter Head Assembly, Including:
25	MS-109	Spring Washer	53	Cat. #37-026	Set of 3 Knives
26	931-02-991-6362	Knob Assembly, Including:	54	SP-8058	1/4-20 x 3/8" Button Hd. Screw
27	SP-205	5/16-18 x 1/4" Soc. Set Scr.	55	Cat. #49-138	Drive Belt
28	904-01-031-5734	Special Washer	60	926-01-991-7432	Motor Pulley, Including:
29	418-07-412-0001	Adjustment Screw Assembly	51	SP-208	1/4-20 x 1/4" Soc. Set Scr.
30	SP-1208	1/2"-20 Hex. Nut	61	418-07-079-0001	Retainer
31	901-02-031-7607	1/4-20 x 1 1/8" Flat Hd. Screw	62	418-07-071-0001	Pin
32	SP-486	1/4-20 x 7/8" Flat Hd. Screw	63	418-07-105-0002	Rubber Sleeve
35	J-13-S	Guard, Including:	64	438-02-314-0199	Motor
36	SP-2101	3/32 x 5/8" Cotter Pin			
37	J-15	Spring	•	Not Shown Assembled	

FOR

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and PERFORMANCE in

WOODWORKING and METALWORKING

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and
POWER TOOLS

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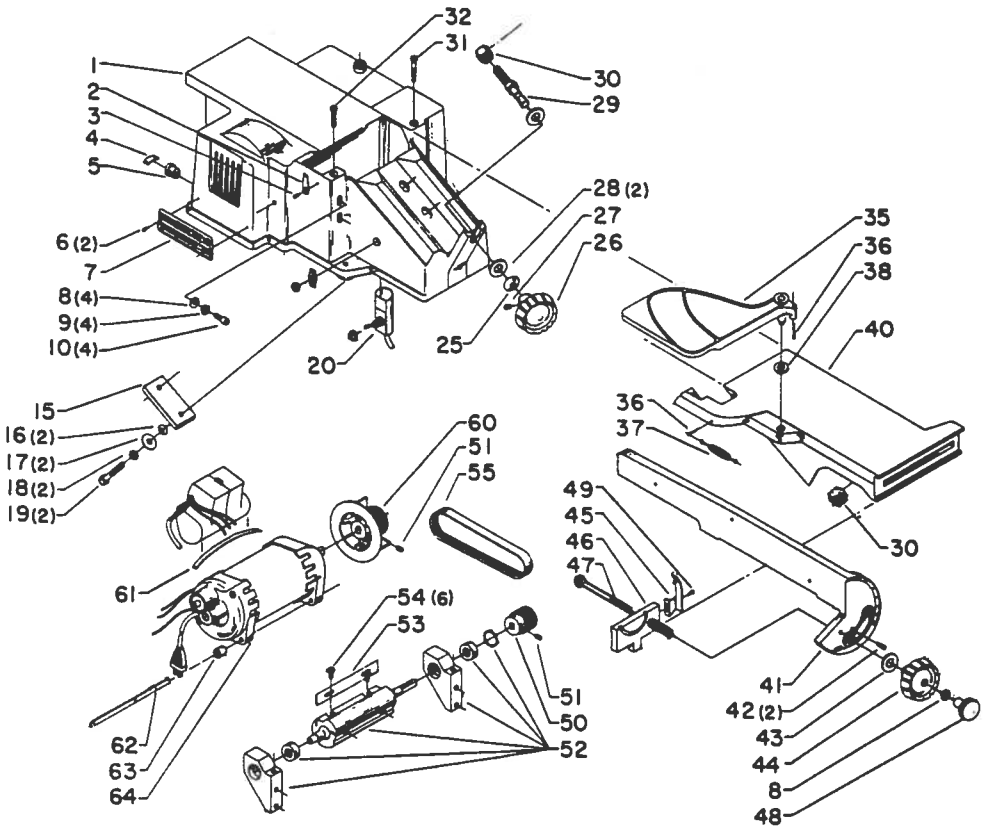

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2	418-07-075-0002	Depth Pointer	40	418-07-091-0001	Table
3	901-02-010-7725	#4-40 x 1/8" RHS	*	418-07-343-0001	Fence Ass'y., Const. of:
4	402-08-079-0001	Retaining Spring	41	418-07-043-0001	Fence
5	438-01-004-0037	Grommet	42	905-02-021-8108	3/16 x 1/2" Groove Pin
6	901-06-450-2250	#4 x 3/16" Drive Scr.	43	904-01-010-1636	Washer
7	Nameplate	By Request Only	44	931-04-011-6373	Knob
8	904-01-010-1614	Washer	49	Cannot Furnish	#4-40 x 1/4" RHS
9	904-02-020-1702	1/4" Spl. Lockwasher	45	418-07-075-0001	Pointer
10	901-03-010-0229	1/4-20 x 1/2" SHS	46	418-07-355-0001	Guide Ass'y.
15	418-07-004-0001	Bar	47	Cannot Furnish	1/4-20 x 2-1/2" Carriage Bolt
16	904-02-101-7705	Spring Washer	48	931-02-151-6372	Knob
17	904-01-010-1620	Washer	50	926-01-991-7433	Spindle Pulley, Incl:
18	904-03-030-1656	5/16" Exter. Tooth Lockwasher	51	901-04-150-0208	1/4-20 x 1/4" SSS
19	901-01-060-0602	5/16-18 x 1-1/4" HHS	52	418-07-357-0002	Cutterhead Ass'y., Incl:
20	438-01-017-0048	Switch	53	37-026	Set of 3 Knives
25	928-06-011-4114	Spring Washer	54	Cannot Furnish	1/4-20 x 3/8" Button Hd. Scr.
26	931-02-991-6362	Knob Ass'y., Incl:	55	49-138	Drive Belt
27	901-04-150-0205	5/16-18 x 1/4" SSS	60	926-01-991-7432	Motor Pulley, Incl:
28	904-01-031-5734	Spec. Washer	51	901-04-150-0208	1/4-20 x 1/4" SSS
29	418-07-412-0001	Adj. Screw Ass'y.	61	418-07-079-0001	Retainer
30	902-01-010-1208	1/2-20 Hex Nut	62	418-07-071-0001	Pin
31	901-02-031-7607	1/4-20 x 1-1/8" Flat Hd. Scr.	63	418-07-105-0002	Rubber Sleeve
32	Cannot Furnish	1/4-20 x 7/8" Flat Hd. Scr.	64	438-02-314-0199	Motor
35	418-01-354-0002	Guard, Incl:			
36	905-05-040-2101	3/32 x 5/8" Cotter Pin	*	Not Shown Assembled	
37	928-02-161-3399	Spring			