

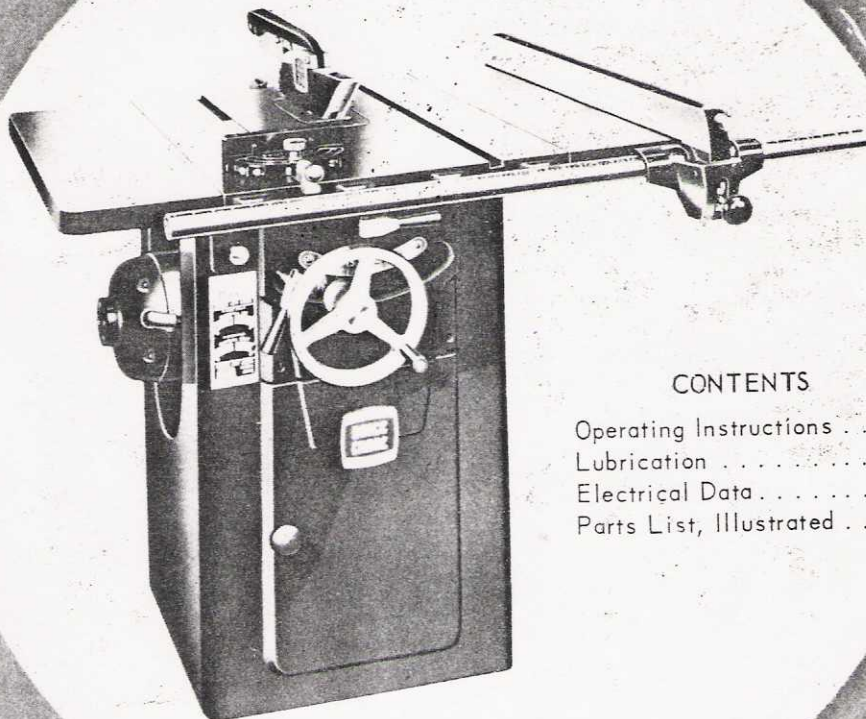
MYRON H. BUEHRER

BOICE-CRANE PARTS  
P. O. BOX 2632 KENWOOD STA.  
TOLEDO, OHIO 43606  
419-531-1113

# OPERATORS' MANUAL & REPAIR PARTS LIST

## 3500 Series 10 in. Monomaster Saw

Study carefully before use



### CONTENTS

|                               |   |
|-------------------------------|---|
| Operating Instructions . . .  | 2 |
| Lubrication . . . . .         | 6 |
| Electrical Data . . . . .     | 6 |
| Parts List, Illustrated . . . | 7 |

These instructions have been written to help you properly use this Boice-Crane Model 3500 Saw, to help you readjust machine when necessary, and to properly specify repair parts.

This machine has been carefully manufactured and inspected in our plant. All critical machining and assembly fits have been checked with accurate indicators and checking devices, and you will get accurate results when used properly and with true blades.

## 1 GENERAL CARE

For precision, many parts are intentionally fitted with small clearances. It follows that accumulated sawdust can impair performance, so first rule is to keep machine as clean of sawdust as possible. Do not let more than a 12-inch height of sawdust accumulate within the cabinet -- and less is better. On big production install an air blower exhaust system. Deflector (3-52) diverts sawdust from arbor carrier slideway, and circular slideway as well. Therefore do NOT take deflector off machine. Keep arbor-carrier slideways clean, by brushing or blowing out all sawdust. Do NOT apply grease or heavy oil atop sawdust, but only on clean metal itself. See next paragraph.

If pitchy lumber is sawed, pitch deposits will actually build up on deflector and harden fast to it. To remove pitch, dissolve it with turpentine or a paint-remover. See paragraph 9.

If wet lumber is sawed, the moisture in sawdust is certain to cause rusting. Remove the rust, then add oil to stop rust. Avoid sawing of really water soaked lumber.

## 2 GEAR HOUSING AND SLIDEWAY ASSEMBLY

Gearbox and Slideway Assembly (3-15) is completely sealed against dust. Its four ball bearings, three needle bearings, and its spiral gears operate in grease. Use ordinary grease-gun lubricant. To add grease, it is necessary to remove front Panel (1-13) to reach pipe Plug (3-53). See paragraph 6.

The Worm (3-32) and Worm Segment (3-14) and raising Leadscrew and Bearing Assembly (3-40) are easily reached for lubrication. Remove old grease and sawdust, then apply #2 cup grease along worm segment and on leadscrew.

The flat machined surfaces of circular and vertical slideway should also be lubricated with #2 cup grease at about weekly intervals. To perform this easily, remove table inserts and sawblade. Through table opening, you can plainly see and readily clean off sawdust lodging there. Now lower saw to bottom of its travel, and tilt to about 20°. Apply a level table-spoonful of #2 cup grease on the lowest exposed portion of the slideway surface. Finally, to distribute the grease, simply raise and lower, also tilt arbor-carrier several times.

NOTE: Parenthetical figures refer to Repair Parts List Illustrations, pages 8 through 15, first figure denoting cut, second figure part.

## 3 BELT ADJUSTMENT

Let only enough motor weight bear on the belts to keep them fairly snug, without slippage, then tighten cap Screw (5-20) which will hold motor from vibrating. To remove or to replace V-belts, first remove sawblade. (To reorder, specify Catalog No. 3508 Set of Three V-Belts "3L" Section, 3/8" wide x 21" circumference.)

## 4 TABLE INSERTS

Sawblade Insert (2-2) and Dado Insert (2-3) are regular equipment, are of steel and are exceptionally stiff and rigid. They should serve for life of machine.

## 5 PROPER MOUNTING OF BLADE

On Boice-Crane Arbor (5-15) there is 1-1/8 inches of usable arbor on which to put dado heads, tandem sawblades, and other accessories. Cutters ride properly on the full round portion of arbor, never on the threads.

Two Wrenches (1-9) are furnished for changing of sawblades. The 9/16 inch hex hole fits hex arbor Nut (5-19). To loosen nut from arbor, arbor held stationary, pull arbor nut wrench handle toward front of machine.

To locate sawblade on arbor and on the tilt-axis-line of table, collars and sawblade should be arranged in proper sequence, as follows: First comes thick Collar (5-16); second, medium Collar (5-17); third, sawblade; fourth, thin Collar (5-18) and here be sure its recessed face is toward sawblade; and fifth, arbor Nut (5-19). Keep all faces of collars and sawblade free of dirt, sawdust, and/or nicks, otherwise blade will not run true.

## 6 TO REMOVE FRONT PANEL

To remove front Panel (1-15) several preliminary steps are necessary. First, pry out handwheel hole Cover (3-26). Second, remove now exposed Screw (3-22) from end of Innershaft Assembly (3-17) and pull off Handwheel (3-25). Third, loosen two Screws (3-7 and 3-49) and remove two lockhandle Hubs (3-8 and 3-48) from tilt Lockscrew (3-10) and arbor carrier Lockscrew (3-46). Fourth, rotate Pointer (1-29) to lie within circular opening by loosening Screw (1-30).

Now, remove two panel fastening Screws (1-14) and finally the two panel locating Screws (1-16).

To reassemble reverse the procedure. Note that locating Screws (1-16) will re-position panel and degree Scale to its original accurate position.

## 7 TO SET 90° AND 45° LIMIT STOPS

To reach adjusting eccentric Stops (3-2), their Lockwasher (3-3), and Locknut (3-4) it is necessary to remove front Panel (1-15). Refer to paragraph 6.

## 3500 TABLE SAWS

To set 90° eccentric Stop, first, tilt sawblade to an angle of about 89° to 89-1/2°. With screwdriver, rotate and bring head of eccentric Stop (3-2) into firm abutment with waybar portion (3-15). With a wrench, lock jamnut (3-4). Now tilt blade some, then return firmly against stop. Check blade angle with a machinist's protractor. If slightly more over-travel is needed, loosen jamnut with wrench, rotate eccentric stop to get a trifle more over-travel, and relock jamnut. Tilt blade some again, and then back firmly against stop. Two or three repetitions will attain exact 90° stoppage.

For 45° limit Stop setting, commence with an angle of 44° to 44-1/2°, and approach in steps until precise 45° stoppage is reached.

### 8 TO ALIGN POINTER TO SCALE

Checking with an accurate "machinists square", tilt sawblade to exact zero degree angle to table. Also verify that eccentric Stop (3-2) abuts against Gearbox and Slideway Assembly (3-15) at same instant arbor reaches zero setting. This procedure was explained in Paragraph 7. Tighten tilt Lockscrew (3-10) to hold this zero setting. Set degree scale Pointer (1-29) to correspond with zero mark of scale.

Now unlock tilt Lockscrew. Tilt sawblade to an exact 45° angle to table, verifying that its 45° eccentric Stop functions properly as in paragraph 7. Now, if pointer does not index on the 45° mark of scale, move Pointer ONE HALF THE DISTANCE to the 45° mark on scale. Fasten pointer by its screw. Now shift 45° end of Scale (1-26) to coincide with pointer "as corrected".

Finally, release tilt Lockscrew. Tilt sawblade back to zero degree position. Eccentric Stop should also stop at zero. If zero mark of scale now fails to coincide with pointer, move pointer ALL THE WAY to zero mark of scale. Repeat again and tilt sawblade to exact 45° angle. Move pointer ONE-HALF the distance to new 45° mark on scale. Lock pointer. Now shift 45° end of degree scale "for the second time as corrected" to coincide with pointer. This "second round" usually attains perfection.

### 9 GEARBOX AND SLIDEWAY ASSEMBLY

Gearbox and Slideway Assembly (3-15) consists of four components assembled together in a master assembly fixture, and are drilled dowel-pinned, and rigidly bolted to equal a single, non-separable part -- and is therefore serviced as a SINGLE part.

Sometimes resinous sawdust deposits on and adheres to Deflector (3-53) which is bolted to Gearbox and Slideway Assembly. To clean Deflector remove it entirely. Take out upper and lower cap screws only (not the middle capscrew) and deflector will come off. Soak deflector in turpentine, or a paint remover solvent until resin softens, when it can be scraped off. Do not fail to reinstall deflector.

### 10 VERTICAL DOVETAILED SLIDEWAY, AND ITS ADJUSTABLE GIBS

Through use, enough wear may develop between the ways of arbor-carrier (5-15) and dovetail slideway (3-15), to cause some saw blade misalignment and/or undesired downward creeping of the blade while positioning it angularly. This creepage is caused by the frictional drag between the co-axial, raise-lower shaft and the tilt-shaft of the blade control mechanism.

The proper adjustment prevails when the arbor-carrier (5-15) is held by the upper gib and lower gib (3-43 and 3-45) with just enough looseness so carrier can be positioned up or down with an easy effort. If the blade creeps, or there is slight blade misalignment, it is because the gib adjusting screws must be repositioned so that the carrier is pressed firmer against its flat forward face, and against its dovetail sidewall. Note: The pressure exerted by the gib should be that much, that even if the arbor-carrier lockscrew (3-46) is left unlocked, the gib-screws alone will guarantee perfect sawing.

The easiest sure-fire method to obtain the proper gib-screw setting is as follows, but remember first, that when making adjustments to the four gib adjusting screws (3-51), the arbor carrier lockscrew (3-46) and its wedgenut (3-44) should be entirely unlocked:

Step 1. Lower Arbor Carrier (5-5) so it stands midway between its uppermost and lowermost adjusting Screws (3-51). (The midpoint is reached when a 10 inch sawblade projects 2-3/8 inches above table.)

Step 2. Lock arbor carrier Lockscrew (3-36) extra tight.

Step 3. Tilt sawblade to a 30° setting where in this position you will be able to reach through motor opening of cabinet, and readily use screwdriver and wrench.

Step 4. Loosen four Jamnuts (3-50).

Step 5. Tighten four adjusting gib Screws (3-51) engaging screws into conical seats of upper Gib and lower Gib (3-43 and 3-45 respectively). Apply lightly, and as nearly as possible the same torsion to each screw. Gib adjusting screws have 24 threads per inch, therefore one full turn backs the screw out by about .042". Our experience has shown that by backing out the screw (from a uniformly tight initial condition) just 1/8th of a full turn will obtain a very satisfactory adjustment.

Step 6. Now, lock all four Jamnuts (3-50) without rotating the screws.

Step 7. Now, loosen arbor carrier Lockscrew (3-46) and test action of gib adjustment. When arbor carrier is snug, yet can be cranked easily from bottom to top of its travel, the adjustment is good.

Step 8. If you deem it advisable to make a slight additional adjustment to any one of its four gib screws, remember that 1/16th of a full turn will produce .003" of change in the adjustment, and that is a strong adjustment, so turn screws sparingly.

## 11 REPOSITIONMENT OF HANDLE

The red Lock Handle and its Hub (3-9 and 3-8 respectively) of tilt Lockscrew (3-10) can be repositioned should handle stand in an awkward position when lockscrew is locked up tight. Loosen capscrew (3-7). Hub can then be rotated to any desired position and clamped there by its capscrew.

The red Lock Handle and its Hub (3-47 and 3-48 respectively) of arbor carrier Lockscrew (3-46) can likewise be repositioned by loosening capscrew (3-49).

## 12 HANDWHEEL OPERATION

Never exert strong force to crank Handwheel (3-25). Easy always does it. If turning handwheel becomes difficult, don't force it further. Perhaps the Lockscrews (3-10 and/or 3-46) are still tightened down fast and will completely prevent handwheel from being turned. Lockscrews must be loosened first. That is why Instruction Plate (1-25) states "RELEASE LOCK LEVERS".

To adjust angles put handwheel IN, turn LEFT to tilt, or RIGHT to square up blade. To adjust height, pull handwheel OUT, turn LEFT to lower, turn RIGHT to raise blade.

At end of tilting travel, there are solid limit STOPS (3-2) at both 90° and at 45° end of travel. Do NOT try to force handwheel past. Likewise there are solid limit STOPS at top of travel by Screw (5-2) and at bottom of travel by Screw (3-42). Do not try to force handwheel beyond these limits either.

Therefore, whenever you find handwheel refuses to turn EASILY, stop at once and investigate. Any time it is found that the handwheel turns overly hard, though properly engaged "IN" or "OUT" and not working against the above-mentioned limit STOPS, it is possible that the circular slideway trunnion (3-1) or gearbox and slideway assembly (3-15), or both, have become clogged by sawdust and each need cleaning. Refer to paragraphs 1 and 2. Or, this condition might also be caused by having the adjustable gibs too tightly set and a looser adjustment needed. Refer to paragraph 10.

## 13 TO REMOVE MOTOR

To remove motor, remove junction box COVER (1-49) from motor by removing Screws (1-49). Inside junction box, unthread wirenuts (1-47) from two terminals of Cable (1-46). Unscrew nut from 90° Connector (1-48), and now Cable (1-46) and the 90° connector (1-48) will pull out from junction box. Motor is now freed of wiring which has until now held it to cabinet.

Now remove Capscrew (5-30) and its Washer (5-21). Motor is now unlocked from arbor Carrier (5-5). Remove sawblade. Remove V-belts from motor pulley. Now motor is free to slide off mounting Bar (5-8). (Caution: Motors are heavy, weigh 60 pounds or more, so be prepared!) The job of removing motor becomes safer and easier, if a second person assists by holding motor-pulley reaching down through table opening.

## 14 RIPPING FENCE -- HOW TO USE

Ripping Fence exploded view is shown in Figure 4. At the front of Fence is microset Handknob (4-12), and directly above it is rear lock rod Thumbnut (4-6).

The microset Handknob shifts to three different positions, and a cam positioner Spring (5-15) holds it in the pre-selected position. To put fence on machine (or to remove it), the microset Handknob (4-12) should be at its MIDDLE position, and rear lock rod Thumbnut (4-6) should be loosened several turns. Now rip fence will slide onto both the front and rear fence Bars (2-8 and 2-7), simultaneously and in one easy motion.

With the fence riding on the two bars, with microset Handknob in MID-position, and rear lockrod Thumbnut still loosened, grasp fence about 8 inches back from its front end (its center of gravity) and fence will slide along its bars easily, freely, with no binding.

For "microsetting" lift microset Handknob upward with gentle pressure (never with heavy pressure) and this will bring the rubber friction wheel into contact against the underside of front bar. By rotating microset Handknob the fence rolls right or left to the exact setting desired.

Now push microset Handknob downward all the way. The Yoke and Cam (4-17) effectively lock fence to the fencebar, and simultaneously square up fence absolutely parallel to sawblade. Finally, tighten rear lock rod Thumbnut and fence is secure.

## 15 RIPPING FENCE, HOW TO ADJUST

The Rip Fence has been accurately adjusted at the factory and is so sturdy it won't normally get out of adjustment from anything but a serious blow. For such eventualities full adjustments are provided.

To bring fence in alignment with sawblade and miter gauge grooves in table, the adjustment is made as follows: Place microset Handknob (4-12) in MID-position; loosen Thumbnut (4-6); remove fence from machine and place it upside down on your bench. See figure 4. Loosen two large socket head capscrews (4-7 and 4-8) by means of the 7/32" hex wrench (1-8) loosening the screws only very slightly so fence (4-2) can barely be moved in relation to fence Bracket (4-9). Place fence back on the table bars, and align one side of fence with one edge of the miter gauge groove at front end of table. Now lock front end of fence to front bar by pushing microset Handknob (4-12) all way down.

## 3500 TABLE SAWS

Now move rear end of fence into parallel line with miter gauge groove at rear of table. After fence is aligned full length, CAREFULLY remove fence from machine, and securely tighten the two screws (4-7 and 4-8). Replace fence and check for alignment. Repeat if not fully accurate.

If fence does NOT TIGHTEN to front bar when Handknob is pressed down, the Yoke and Cam can be adjusted to a closer position. To make this adjustment, leave Fence riding on the fence bars as normally. Position Handknob in MID or disengaged position. Loosen Locknut (4-19). With screwdriver, turn cam adjuster Eccentric (4-18) to approach closer to bar, then tighten locknut (4-19). Try the cam action by pressing downward on the Handknob. If the locking cam action rides into engagement smoothly, and holds tightly, the adjustment is correct.

If the friction Roller (4-22) becomes loosened on its Shaft Brazement (4-23) hold end of shaft with a screwdriver, and with wrench on hex nut (4-13) tighten Spacer (4-20) against Roller (4-22). Turn Handknob (4-12) tightly against the hexnut (4-13).

### 16 TO ADJUST SCALE POINTERS ON RIPPING FENCE

When fence is to RIGHT of sawblade, the LEFT hand pointer is used to measure the cut. When fence is to LEFT of sawblade, then RIGHT hand pointer is used to measure the cut.

The LARGE numerals on Front fence bar (2-7) are used when bars are set in their normal position. The smaller numerals are used when bars are extended out to right for greater ripping capacity.

The fence pointer (4-11) should be set to measure the wood actually ripped -- not the distance from fence to sawblade. To properly set pointer, lock the fence in ANY convenient position. Rip a piece, measure it, and set pointer to read that measurement. Now rip a few other widths and compare pointer measurement against piece as cut.

### 17 DELUXE SAWGUARD AND SPLITTER, #3507

To attach #3507 Sawguard and Splitter, refer to Figure 8. Fasten Tube Weldment (8-2) into hole of right hand waybar portion of Gearbox and Slideway Assembly (3-15) with two Screws (8-1). The screws can be reached through table insert opening. Place sawblade on arbor. Fasten Bracket (8-5), Splitter Weldment (8-8) and Stiffener Plate (8-9) together with pair of Washers (8-10) and Screws (8-11).

Fasten the pair of Setscrews (8-3) and Jamnuts (8-4) into Tube Weldment (8-2). Note: The Screwdriver slot in screws should be on bottom end, so cup point of screws support the Splitter Bracket (8-5), and by proper setting the splitter plate can be adjusted to stand vertically and parallel to the sawblade itself, and by manipulation of the Screws (8-7) and Washer

(8-6) through the elongated holes in Bracket (8-5) the Splitter Weldment (8-8) can be further aligned to stand directly behind, and in direct line to the sawblade.

To detach Sawguard and Splitter, say to permit dadoing, copehead moulding work, etc., loosen two Screws (8-10) and with rearmost screw as a pivot, Sawguard Splitter (8-8), Arm (8-12), and Hood (8-17) will all swing back and below table surface. Note: Though unnecessary, if you accidentally remove BOTH screws (8-10) the entire Guard removes completely, yet may be re-attached without having lost the alignment between splitter to blade.

### 18 STANDARD PLASTIC SAWGUARD, #3511

To attach #3511 Sawguard, refer to Figure 6. Fasten Block (6-2) to left rear flange of table (2-1) by means of screw (6-3). Through horizontal hole in Block (6-2) you install Support Arm (6-4) and arm is fastened in place by Screw (6-1). Note by loosening Screw (6-1) the Arm and entire sawguard hood may be swung over and back below the table surface. Link Weldment (6-5) pivots on arm and is held between two Collars (6-6) and Setscrew (6-7).

### 19 GENERAL LUBRICATION

Arbor bearings are double-seal, greased-for-life type, need no further greasing. Motor bearings require good quality ball bearing grease which contains no acid or alkali.

If saw is left idle in damp surroundings, it is good practice to apply grease on all ground or finished surfaces.

### 20 MITER GUIDE, #2502 - #2518

Miter Guide #2502 is regular equipment for Boice-Crane Monomaster Saw. Stop Rod Accessory #2501 is available at extra cost. For exploded view of parts refer to Figure 7.

Head (7-12) swivels 60° each side of zero. Degree scale angles are calibrated by single degrees. Thumbnut (7-14) tightens head to angle desired.

Head (7-12) swivels on Slidebar (7-3) and is centered on head pivot Screw (7-22). This screw should be tightened just snugly to head, and then Setscrew (7-22) is tightened down against end of Screw (7-3) thereby maintaining this nicety of fit. Should any play develop between pivot Screw (7-3) and Head (7-12), loosen Screw (7-22), then tighten Pivot Screw (7-3) to suit and next tighten Screw (7-22).

Plunger Block (7-7) is doubly dowel pinned (7-5) to slidebar.

# BOICE-CRANE 3500 TABLE SAWS

## 21 TO RESET STOPS

To reset automatic stops of Miter-Cutoff Gauge to produce a precise 45° or 90° angle, proceed as follows:

Step 1. Loosen Thumbnut (7-14) so head is free.

Step 2. Engage Plunger (7-9) into its particular V-grooved Stop (7-11) with its Locknut (7-10) loosely threaded on.

Step 3. With a machinists combination square locked at 90° (or 45° R or 45° L) put one leg tight against Slidebar (7-1). Other leg will show exactly where face of Head (7-12) should be brought.

Step 4. With a screwdriver turn Stop (7-11) which will swing head to coincide exactly to leg of machinists square. Now tighten Locknut (7-10).

Step 5. Disengage Plunger (7-9) from its Stop (7-11). Shift miter gauge head away, and back again, only this time let the miter gauge head seat itself as Plunger (7-9) snaps into its grooved Stop (7-11). Properly set, the setting will perform accurately for a long time.

## 22 AMPERE MOTOR LOADS - WIRE SIZES - FUSES

Total ampere load of all motors which you plan

to run at same time, should not exceed carrying capacity of your electric line, or fuses. For example, on 115 volts a total of two 1-phase motors (one motor each of 1/2 h.p. and 1 h.p.) create a total full load current of about 20 amperes. To deliver 20 amperes at 115 volts a distance of 100 feet with no more than 2% voltage drop the wire-size should be #7, measuring .144" diameter.

Also from the data tabulated below, you can determine whether you can operate ALL motors at one time with present wiring without excessive voltage drop, or whether you will need to install a larger service line.

Any motor 1 h.p. or larger will normally perform more efficiently on 230 volts.

There is a fuse on the market that gives real protection on 1-phase motors of 1/2, 3/4, 1, 1-1/2 and 2 horsepower. It is not the ordinary one-element house-hold fuse, though it does screw into the same screw socket. We refer to the Buss (or equivalent) Fusetron Dual Element Plug Fuse available in 2, 2-1/4, 2.3, 4, 5, 6.25, 8, 10, 12, 15, 20, 25, and 30 amperes. These dual element fuses won't blow on 1-phase motor starting currents (see column \*) or any momentary harmless overload, because of their thermal element, yet give positive protection on prolonged dangerous overloads, or short circuits.

| WIRE SIZE SELECTION                                                                                                                   |                                                      |    |    |    |     |         | AWG<br>Wire<br>No. | Dia.<br>Wire<br>Inch |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|----|----|----|-----|---------|--------------------|----------------------|
| Based on 2% Loss on 115 V.                                                                                                            |                                                      |    |    |    |     |         |                    |                      |
| Amperes<br>Total<br>Load                                                                                                              | Distance in Feet<br>From Meterbox to<br>Point of Use |    |    |    |     |         |                    |                      |
|                                                                                                                                       | 20                                                   | 40 | 60 | 80 | 100 |         |                    |                      |
| 10                                                                                                                                    | 16                                                   | 14 | 12 | 11 | 10  | 14      | .051               |                      |
|                                                                                                                                       |                                                      |    |    |    |     | 15      | .057               |                      |
| 15                                                                                                                                    | 15                                                   | 12 | 10 | 9  | 8   | 14-1/16 | .064               |                      |
|                                                                                                                                       |                                                      |    |    |    |     | 13      | .072               |                      |
| 20                                                                                                                                    | 14                                                   | 11 | 9  | 8  | 7   | 12      | .081               |                      |
|                                                                                                                                       |                                                      |    |    |    |     | 11-3/32 | .097               |                      |
| 25                                                                                                                                    | 13                                                   | 10 | 8  | 7  | 6   | 10      | .102               |                      |
|                                                                                                                                       |                                                      |    |    |    |     | 9       | .114               |                      |
| On 230 volts motor amperes are halved, thus<br>permitting relatively smaller wire sizes.                                              |                                                      |    |    |    |     |         | 8-1/8              | .128                 |
|                                                                                                                                       |                                                      |    |    |    |     |         | 7                  | .144                 |
|                                                                                                                                       |                                                      |    |    |    |     |         | 6                  | .162                 |
| If 2 or more motors are on same wires and<br>operated simultaneously, add ampere loads of<br>each motor to determine total wire load. |                                                      |    |    |    |     |         |                    |                      |

| AMPERE LOADS ON MOTORS  |                                 |      |                                            |     | Individual<br>Motor<br>Maximum<br>Running<br>Fuse<br>Amperes |     |
|-------------------------|---------------------------------|------|--------------------------------------------|-----|--------------------------------------------------------------|-----|
| Motor<br>Horse<br>Power | Full Load<br>Current<br>Amperes |      | Approx.<br>Peak *<br>Over-<br>load<br>1 Ph |     |                                                              |     |
|                         | 1 ph                            | 3 Ph |                                            |     |                                                              |     |
| 1/2                     | 115V                            | 7.4  | xxx                                        | 20* | 10.                                                          | xxx |
|                         | 220V                            | 3.7  | 2.0                                        | 10* | 6.                                                           | 3.  |
|                         | 440V                            | xxx  | 1.0                                        | xx  | x                                                            | 2.  |
| 3/4                     | 115V                            | 10.2 | xxx                                        | 25* | 15.                                                          | xxx |
|                         | 220V                            | 5.1  | 2.8                                        | 12* | 8.                                                           | 4.  |
|                         | 440V                            | xxx  | 1.4                                        | xx  | x                                                            | 2.  |
| 1                       | Z 115V                          | 13.0 | xxx                                        | 30* | 20.                                                          | xxx |
|                         | 220V                            | 6.5  | 3.2                                        | 15* | 10.                                                          | 4.  |
|                         | 440V                            | xxx  | 1.8                                        | xx  | x                                                            | 3.  |
| 1½                      | Z 115V                          | 18.4 | xxx                                        | 50* | 25.                                                          | xxx |
|                         | 220V                            | 9.2  | 5.0                                        | 25* | 12.                                                          | 8.  |
|                         | 440V                            | xxx  | 2.5                                        | xx  | x                                                            | 4.  |
| 2                       | Z 115V                          | 24.0 | xxx                                        | 60* | 30.                                                          | xxx |
|                         | 220V                            | 12.0 | 6.5                                        | 30* | 15.                                                          | 8.  |
|                         | 440V                            | xxx  | 3.3                                        | xx  | x                                                            | 4.  |

\* Approx. Peak Overload or Starting Current figures apply ONLY to 1-phase motors, not 3-phase.

Z Install for 220 volt if you possibly can.

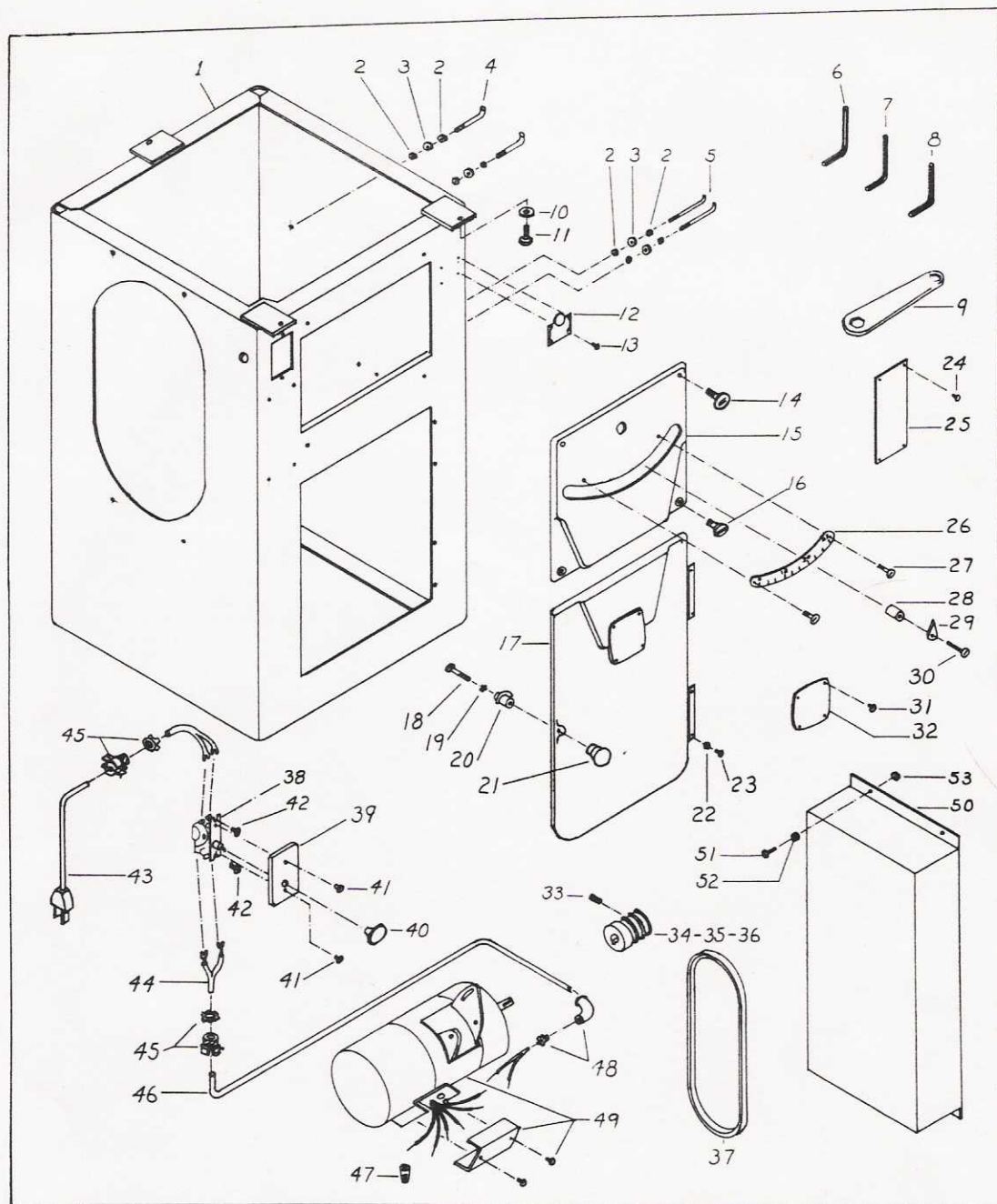


FIGURE 1. CABINET AND SWITCH ASSEMBLIES

| Key No. | Part No.  | Name of Part                                | No. Req'd. | Price Each | Key No. | Part No. | Name of Part                                     | No. Req'd. | Price Each |
|---------|-----------|---------------------------------------------|------------|------------|---------|----------|--------------------------------------------------|------------|------------|
| 1       | 500211    | Cabinet Weldment                            | 1          | 63.75      | 10      | 905767   | Washer—Plain steel, 11/32 x 11/16 x 16 ga.       | 3          | .15        |
| 2       | 905681    | Nut — Plated, Regular hex full, 1/4-20      | 8          | .15        | 11      | 905209   | Screw — Hex cap, 5/16-18 x 3/4" L.               | 3          | .20        |
| 3       | XWD-653CP | Washer, Plated Steel, 17/64 x 9/16 x 20 ga. | 4          | .15        | 12      | 500039   | Nameplate — Serial number                        | 1          | 1.15       |
| 4       | 500231    | Hook — Rip fence storage                    | 2          | 1.50       | 13      | XDS-12   | Screw—Serial plate, #2 type "U" 3/16" long drive | 4          | .20        |
| 5       | 500232    | Hook — Miter guide                          | 2          | 1.50       | 14      | 905077   | Screw—Plated, Round head, 1/4-20 x 1 1/2" L.     | 2          | .20        |
| 6       | 2500-75   | 5/16" hex bar wrench                        | 1          | .25        | 15      | 500230   | Panel—Front                                      | 1          | 4.15       |
| 7       | 911355    | 5/32" hex bar wrench                        | 1          | .25        | 16      | 905305   | Screw—Plated Oval head, 1/4-20 x 1" L.           | 2          | .20        |
| 8       | 911357    | 7/32" hex bar wrench                        | 1          | .25        |         |          |                                                  |            |            |
| 9       | 500126    | Wrench — Arbor nut                          | 2          | .70        |         |          |                                                  |            |            |

## PARTS REPLACEMENT

BOICE-CRANE

| Key No. | Part No. | Name of Part                                                                        | No. Req'd. | Price Each | Key No.    | Part No. | Name of Part                                           | No. Req'd. | Price Each |
|---------|----------|-------------------------------------------------------------------------------------|------------|------------|------------|----------|--------------------------------------------------------|------------|------------|
| 17      | 500202   | Door Weldment Cabinet                                                               | 1          | 7.50       | 37         | 911651   | V-Belts - Matched set of three                         | 1          | 5.65       |
| 18      | XMR-65   | Screw-Handgrip to shaft, Round head, 10-24 x 1½" L.                                 | 1          | .20        | --         | 4507     | Switch Installation-1-ph. manual non-overload          | 1          | 26.25      |
| 19      | 905830   | Lockwasher - Shakeproof, 3/16" bolt dia.                                            | 1          | .15        | (Cat. No.) |          |                                                        |            |            |
| 20      | 500205   | Latch Weldment, Door                                                                | 1          | 3.65       | 42*        | 905131   | Screw-Round head, #8-32 x 3/8" L.                      | 2          | .20        |
| 21      | 500208   | Handgrip-Door latch                                                                 | 1          | .55        | 43*        | SP-302   | Cord Set & Terminal Assembly                           | 1          | 9.00       |
| 22      | 905629   | Nut-Regular hex full, #10-24                                                        | 4          | .15        | 44*        | 501682   | Terminal-Cable wire to switch                          | 2          | .30        |
| 23      | 905178   | Screw-Plated, truss head machine, #10-24 x 3/8" L.                                  | 4          | .20        | 45*        | SP-175   | Connector-Cord Set and motor cable to switch           | 2          | .45        |
| 24      | XDS-12   | Screw-#2 type "U" 3/16" long drive                                                  | 4          | .20        | 46*        | 3502-2   | Cable-Motor junction box to switch                     | 1          | 1.40       |
| 25      | 500200   | Plate-Instruction                                                                   | 1          | 1.40       | 47*        | 911902   | Wirenut-Motor cable to motor leads:                    |            |            |
| 26      | 500227   | Scale-Degree                                                                        | 1          | 1.00       |            |          | For 115 volt connection                                | 2          |            |
| 27      | 905256   | Screw-Degree scale, plated type "Z" self tapping, slotted stove head, #14 x 3/8" L. | 2          | .20        |            |          | For 230 volt connection                                | 3          | .30        |
| 28      | 500197   | Spacer-Tilt pointer                                                                 | 1          | .80        | 48         | SP-128   | Connector-Ninety degree motor junction box             | 1          | 1.40       |
| 29      | 500196   | Pointer-Degree scale                                                                | 1          | .40        | 49         | 906613   | Motor-1 HP; 1 phase; 115-230 volt; 60 cycle; 3450 rpm. | 1          | 119.95     |
| 30      | 905077   | Screw-Plated, round head, ¼-20 x 1½" L.                                             | 1          | .20        | 50         | 500287   | Cover-Cabinet motor opening                            | 1          | 17.00      |
| 31      | XDS-12   | Screw, #2 type "U" 3/16" long drive                                                 | 4          | .20        | 51         | 905187   | Screw-Round head, ¼-20 x ¾" L.                         | 4          | .20        |
| 32      | 500209   | Nameplate - Boice-Crane                                                             | 1          | 1.50       | 52         | 905728   | Washer-Plated steel, 9/32 x 5/8 x 16 ga.               | 4          | .15        |
| 33      | 905451   | Setscrew - Socket head cup point 5/16-18 x 3/8" L.                                  | 1          | .20        | 53         | 905681   | Nut-Regular hex full, ¼-20                             | 4          | .15        |
| 34      | 500233   | Pulley-3/4" shaft dia. motor                                                        | 1          | 7.15       |            |          |                                                        |            |            |
| 35      | 500234   | Pulley-5/8" shaft dia. motor                                                        | 1          | 7.15       |            |          |                                                        |            |            |
| 36      | 500235   | Pulley-7/8" shaft dia. motor                                                        | 1          | 7.15       |            |          |                                                        |            |            |

\* A component part of Cat. No. 3524

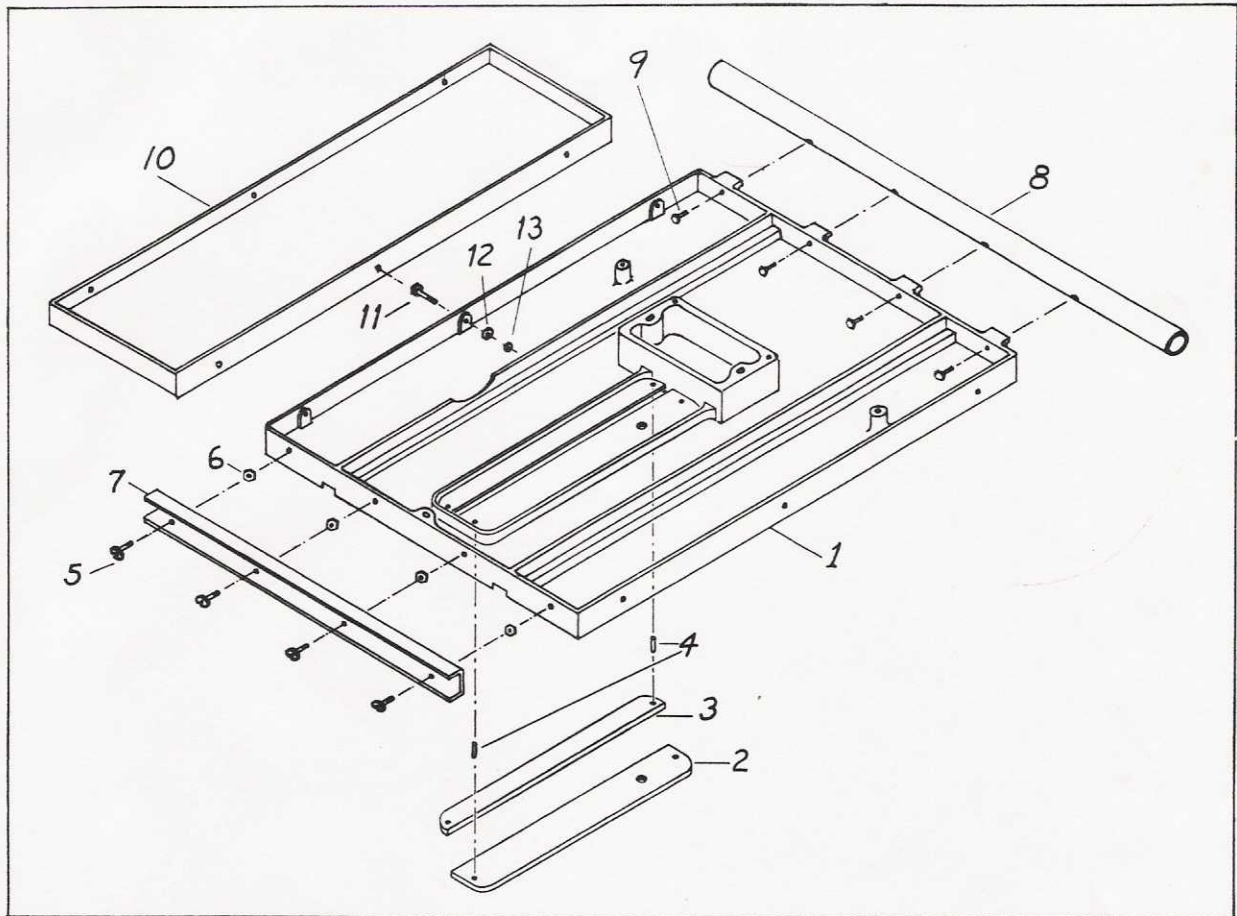


FIGURE 2. TABLE AND FENCE BARS

| Key No. | Part No. | Name of Part                        | No. Req'd. | Price Each | Key No. | Part No. | Name of Part                              | No. Req'd. | Price Each |
|---------|----------|-------------------------------------|------------|------------|---------|----------|-------------------------------------------|------------|------------|
| 1       | 500136   | Table                               | 1          | 115.50     | -       | 500274   | Bar-Rear fence 49" ripping capacity       | 1          | 11.25      |
| 2       | 500141   | Insert-Saw blade opening            | 1          | 6.75       | 8       | 500148   | Bar-Front fence 37" ripping capacity      | 1          | 22.50      |
| 3       | 500142   | Insert-Dado head opening            | 1          | 4.50       | -       | 500275   | Bar-Front fence 49" ripping capacity      | 1          | 39.40      |
| 4       | 3500-13  | Dowelpin-Dado insert to table       | 4          | .25        | 9       | XCH-264  | Screw-Hex cap, 5/16-24 x 1 1/4" L.        | 4          | .20        |
| 5       | XMR-212  | Screw-Round head, 5/16-18 x 1" L.   | 4          | .20        | 10      | 500318   | Table-Side-wing 8" wide                   | 1          | 25.50      |
| 6       | 905627   | Nut-Regular hex full, 5/16-18       | 4          | .15        | 11      | 905218   | Screw-Hex cap, 5/16-18 x 1 1/2" L.        | 3          | .20        |
|         | 500139   | Spacer                              |            | 2.75       | 12      | 905739   | Washer-Plain steel, 5/16 x 11/16 x 16 ga. | 3          | .15        |
|         | 500320   | Steel panel                         |            | 5.75       | 13      | 905627   | Nut-Regular hex full, 5/16-18             | 3          | .15        |
|         | 500319   | Lug Spacing                         |            | 4.60       |         |          |                                           |            |            |
| 7       | 500149   | Bar-Rear fence 37" ripping capacity | 1          | 4 50       |         |          |                                           |            |            |

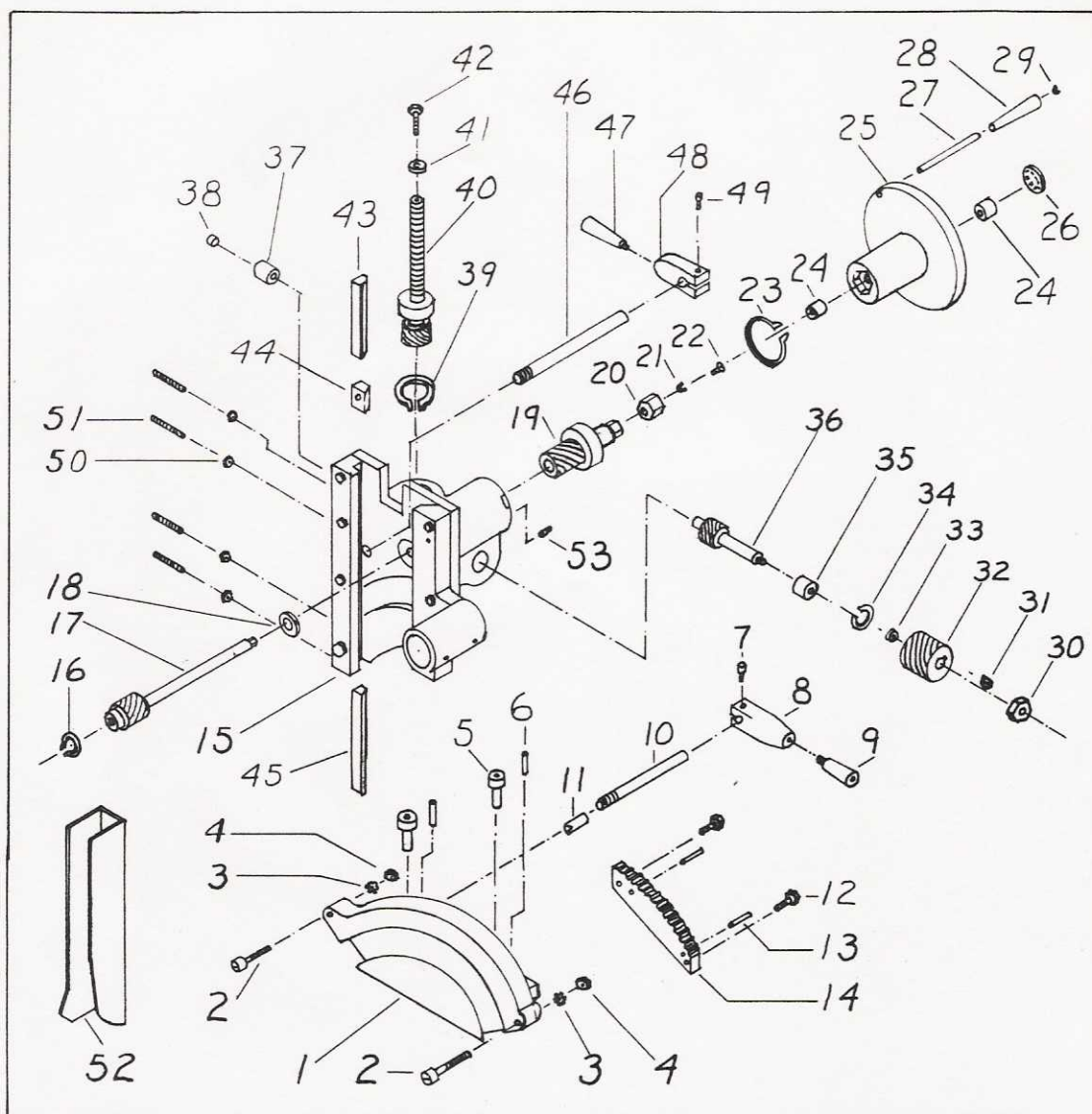


FIGURE 3. GEARBOX, SLIDEWAY AND TRUNNION ASSEMBLIES

| Key No. | Part No. | Name of Part                             | No. Req'd. | Price Each | Key No. | Part No. | Name of Part                                           | No. Req'd. | Price Each |
|---------|----------|------------------------------------------|------------|------------|---------|----------|--------------------------------------------------------|------------|------------|
| 1       | 500184   | Trunnion-Stationary                      | 1          | 37.15      | 12      | 905213   | Screw-Socket head cap, 5/16-18 x 1" L.                 | 2          | .20        |
| 2       | 500188   | Stop-Ninety and 45 degree eccentric      | 2          | 2.90       | 13      | 906112   | Groovepin-Segment to trunnion                          | 2          | .20        |
| 3       | 905829   | Lockwasher-Shakeproof, 5/16 bolt dia.    | 2          | .15        | 14      | 500185   | Segment-Worm                                           | 1          | 14.50      |
| 4       | 905695   | Nut-Regular hex jam, 5/16-18             | 2          | .15        | 15      | 500163   | Gearbox & Slideway Assembly                            | 1          | 88.50      |
| 5       | XCS-615  | Screw-Socket head cap, 5/8-11 x 1 1/2 L. | 2          | .65        | 16      | 905363   | Snapring-Handwheel inner shaft assembly outer          | 1          | .50        |
| 6       | 906118   | Groovepin-Stationary trunnion to table   | 2          | .20        | 17      | 500165   | Innershaft Assembly                                    | 1          | 19.45      |
| 7       | 906211   | Screw-Socket head cap, 5/16-18 x 3/4 L.  | 1          | .20        | 18      | 905425   | Snapring-Handwheel inner shaft assembly spiralox inner | 1          | .50        |
| 8       | 500043   | Hub-Tilt lock handle                     | 1          | 1.90       | 19      | 500168   | Handwheel Outershaft & Bearing Assy.                   | 1          | 15.75      |
| 9       | 500042   | Handle-Tilt lock handle hub              | 1          | 1.40       | 20      | 500189   | Nut-Inner-Shaft Clutch                                 | 1          | 4.50       |
| 10      | 500187   | Lockscrew-Tilt                           | 1          | 1.80       | 21      | XWP-100  | Lockwasher-Split, regular section 1/4 bolt dia.        | 1          | .15        |
| 11      | 500186   | Wedgepin-Tilt lockscrew                  | 1          | 2.55       |         |          |                                                        |            |            |

## PARTS REPLACEMENT

| Key No. | Part No. | Name of Part                          | No. Req'd. | Price Each | Key No. | Part No. | Name of Part                                          | No. Req'd. | Price Each |
|---------|----------|---------------------------------------|------------|------------|---------|----------|-------------------------------------------------------|------------|------------|
| NS      | 500162   | Left hand way bar                     |            | 6.90       | 39      | 905363   | Snapring-Raising screw bearing retainer               | 1          | .50        |
| NS      | 500161   | Right hand way bar                    |            | 9.10       | 40      | 500170   | Raising Lead-Screw & Bearing Assembly                 | 1          | 15.75      |
| 22      | XMR-109  | Screw-Round head 1/4-20 x 5/8" L      | 1          | .20        | 41      | 905727   | Washer-Raising lead screw travel lower stop           | 1          | .15        |
| 23      | 905425   | Snapring-Outer bearing race retainer  | 1          | .65        | 42      | 905203   | Screw-Hex cap, 1/4-20 x 3/4 L.                        | 1          | .20        |
| 24      | 910203   | Bearing wheel                         | 2          | 2.00       | 43      | 500179   | Gib-Upper                                             | 1          | 3.40       |
| 25      | 500190   | Handwheel with Hexagon socket inserts | 1          | 26.25      | 44      | 500181   | Wedge Arbor carrier lock screw                        | 1          | 3.40       |
| 26      | 500210   | Cover-Handwheel hole                  | 1          | .30        | 45      | 500180   | Gib-Lower                                             | 1          | 2.75       |
| 27      | 500193   | Shaft-Rotating handle                 | 1          | .90        | 46      | 500182   | Lockscrew-Arbor carrier                               | 1          | 2.15       |
| 28      | 500194   | Handle-Rotating                       | 1          | .65        | 47      | 500183   | Handle-Raising Lockscrew Hub                          | 1          | .65        |
| 29      | 905364   | Snapring-Rotating handle retainer     | 1          | .25        | 48      | 500043   | Hub-Raising Lockscrew                                 | 1          | 1.90       |
| 30      | XNK-650  | Nut-Light hex jam, 5/8-18             | 1          | .20        | 49      | 906211   | Screw-Socket Head Cap 5/16-18 x 3/4" L.               | 1          | .20        |
| 31      | 3500-34  | Key-Woodruff worm                     | 1          | .25        | 50      | XNK-250  | Nut-Light hex jam, 5/16-24                            | 4          | .15        |
| 32      | 500178   | Worm                                  | 1          | 14.90      | 51      | XHC-265  | Set Screw-Socket Head, cup point, 5/16-24 x 1 1/2" L. | 4          | .20        |
| 33      | 500177   | Spacer-Worm to bearing                | 1          | 1.00       | 52      | 500195   | Deflector-Sawdust                                     | 1          | 2.90       |
| 34      | 905363   | Snapring-Worm ball bearing retainer   | 1          | .50        | 53      | SP-242   | Plug-Square Head, 1/8 pipe                            | 1          | .20        |
| 35      | 910978   | Ballbearing-Wormshaft                 | 1          | 4.50       |         |          |                                                       |            |            |
| 36      | 500174   | Wormshaft Assembly-Tilting            | 1          | 14.00      |         |          |                                                       |            |            |
| 37      | 910203   | Needle Bearing Wormshaft              | 1          | 1.40       |         |          |                                                       |            |            |
| 38      | 500176   | Plug-Needle bearing sealer felt       | 1          | .20        |         |          |                                                       |            |            |

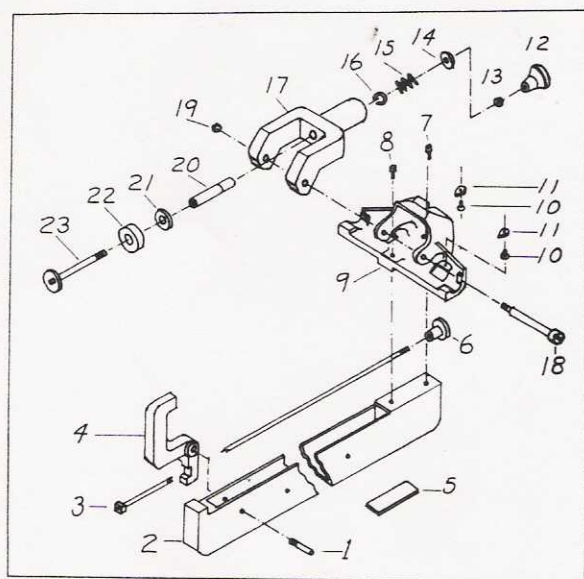


FIGURE 4. RIP FENCE ASSEMBLY

|   |         |                                           |   |       |
|---|---------|-------------------------------------------|---|-------|
| 1 | 500146  | Pin-Finger Pivot                          | 1 | .45   |
| 2 | 500144  | Fence-Rip                                 | 1 | 37.90 |
| 3 | 500118  | Rod Assembly-Rear lock                    | 1 | 2.50  |
| 4 | 500145  | Finger-Rear lock                          | 1 | 2.00  |
| 5 | 500121  | Decal-Fence instruction                   | 1 | .40   |
| 6 | 500147  | Thumbnut-Rear lock rod                    | 1 | 1.50  |
| 7 | XCS-265 | Screw-Socket head cap, 3/8-16 x 1 1/4" L. | 1 | .20   |

|    |           |                                            |   |       |
|----|-----------|--------------------------------------------|---|-------|
| 8  | XCS-260   | Screw-Socket head cap, 3/8-16 x 1/2" L.    | 1 | .20   |
| 9  | 500104    | Bracket-Rip fence                          | 1 | 12.00 |
| 10 | XMR-3CP   | Screw-Plated Round head, 8-32 x 1/4" L.    | 2 | .20   |
| 11 | 500115    | Pointer-Fence bar scale                    | 2 | .20   |
| 12 | 500112    | Knob-Micro-set hand                        | 1 | .90   |
| 13 | XNK-350CP | Nut-Plated light hex jam, 3/8-24           | 1 | .15   |
| 14 | 500114    | Washer-Spring thrust                       | 1 | .75   |
| 15 | 500113    | Spring-Yoke & cam positioner               | 1 | .20   |
| 16 | SP-253    | Retaining Ring Spacer                      | 1 | .25   |
| 17 | 500105    | Yoke & Cam Fence lock                      | 1 | 4.50  |
| 18 | 500106    | Eccentric-Cam adjuster                     | 1 | 3.75  |
| 19 | 905695    | Nut-Regular hex jam, 5/16-18               | 1 | .15   |
| 20 | 500111    | Spacer-Micro-set shaft                     | 1 | 1.15  |
| 21 | XWC-1505  | Washer-Plain steel, 25/64 x 1-3/8 x 12 ga. | 1 | .15   |
| 22 | 500110    | Roller-Friction                            | 1 | .40   |
| 23 | 500107    | Shaft Brazement, Fence friction roller     | 1 | 2.00  |
|    | 500143    | Rip Assembly Complete                      |   | 61.90 |

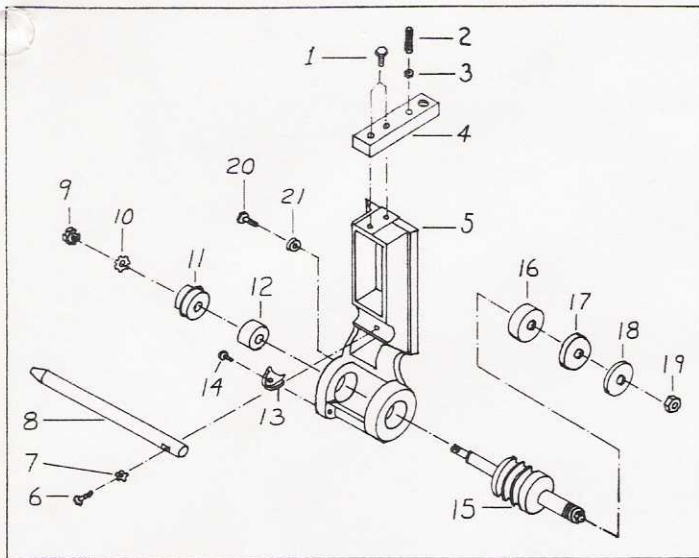


FIGURE 5. ARBOR CARRIER ASSEMBLY

| Key No. | Part No. | Name of Part                                      | No. Req'd. | Price Each |
|---------|----------|---------------------------------------------------|------------|------------|
| 1       | 905213   | Screw-Hex Cap, 5/16-18 x 1 1/4" L.                | 2          | .20        |
| 2       | XSA-214  | Screw-Slotted head, cup point 5/16-18 x 1 1/4" L. | 1          | .20        |
| 3       | 905695   | Nut-Regular hex jam, 5/16-18                      | 1          | .15        |

| Key No. | Part No.  | Name of Part                           | No. Req'd. | Price Each |
|---------|-----------|----------------------------------------|------------|------------|
| 4       | 500159    | Nutplate                               | 1          | 5.65       |
| 5       | 500152    | Carrier-Saw Arbor                      | 1          | 27.50      |
| 6       | 905215    | Screw-Hex cap, 3/8-16 x 1 1/2" L.      | 1          | .20        |
| 7       | 905832    | Lockwasher-Shakeproof, 3/8 bolt dia.   | 1          | .15        |
| 8       | 500157    | Bar-Motor mounting                     | 1          | 4.00       |
| 9       | 905703    | Locknut-Ball bearing                   | 1          | 1.50       |
| 10      | 905904    | Lockwasher Ball bearing                | 1          | .40        |
| 11      | BR-488603 | Ball Bearing-Outer end                 | 1          | 6.00       |
| 12      | BR-88504  | Ball Bearing-Pulley end                | 1          | 7.40       |
| 13      | XMR-109   | Screw-Round head, 1/4-20 x 5/8 L.      | 2          | .20        |
| 14      | 500051    | Lug-Bearing retainer                   | 2          | .20        |
| 15      | 3500-8SA  | Saw Arbor & Pulley Assy.               | 1          | 25.50      |
| 16      | 500055    | Collar-Thick                           | 1          | 2.25       |
| 17      | 500056    | Collar-Medium                          | 1          | 2.25       |
| 18      | 500057    | Collar-Thin                            | 1          | 1.65       |
| 19      | 500156    | Nut-Saw arbor                          | 1          | .90        |
| 20      | XCH-310   | Screw-Hex cap, 3/8-16 x 3/4" L.        | 1          | .20        |
| 21      | 905750    | Washer-Plain steel, 3/8 x 7/8 x 16 ga. | 1          | .15        |

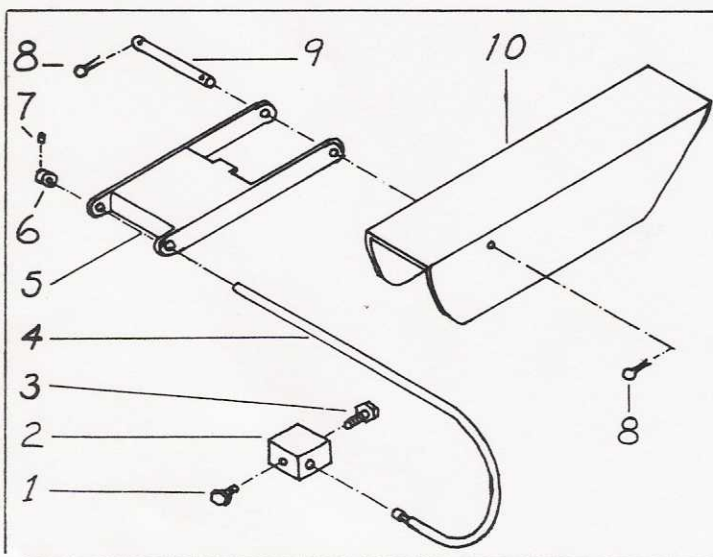


FIGURE 6. NO. 3511 PLASTIC SAWGUARD

|    |         |                                                    |   |       |
|----|---------|----------------------------------------------------|---|-------|
| 1  | XCH-205 | Screw-Hex cap, 5/16-18 x 3/4" L.                   | 1 | .20   |
| 2  | 500278  | Block-Guard support arm                            | 1 | 2.25  |
| 3  | 905213  | Screw-Hex cap, 5/16-18 x 1" L.                     | 1 | .20   |
| 4  | 500279  | Arm-Guard support                                  | 1 | 4.80  |
| 5  | 500280  | Link Weldment Arm to Hood                          | 1 | 7.45  |
| 6  | 500283  | Collar-Link weldment to arm retainer               | 2 | 1.90  |
| 7  | 905279  | Setscrew-Slotted head, cup point, 1/4-20 x 1/4" L. | 2 | .20   |
| 8  | 905030  | Cotterpin-3/32 dia. x 1/2" L.                      | 2 | .15   |
| 9  | 500285  | Shaft-Hood pivot                                   | 1 | 2.55  |
| 10 | 500284  | Hood-Plexiglass                                    | 1 | 11.25 |

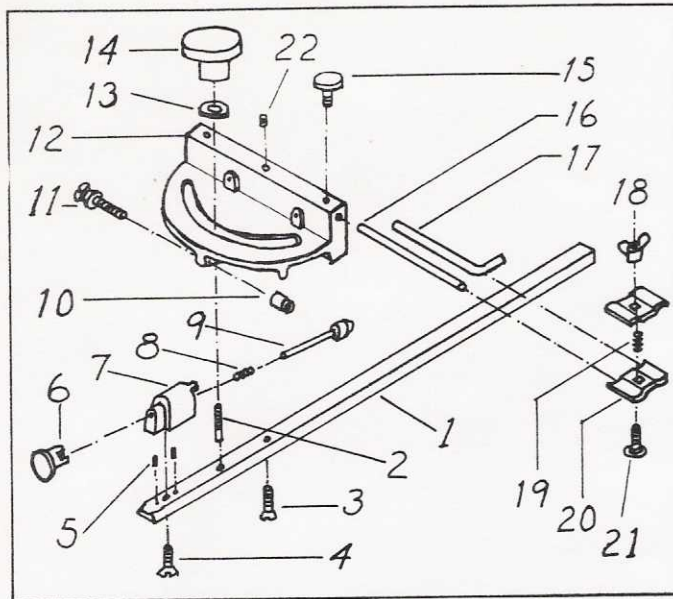


FIGURE 7. MITER GAUGE

| Key No. | Part No. | Name of Part                                | No. Req'd. | Price Each |
|---------|----------|---------------------------------------------|------------|------------|
| —       | 500087   | Miter gauge complete                        | 1          | 20.65      |
| 1       | 500089   | Slide bar                                   | 1          | 4.80       |
| 2       | 500092   | Stud-Miter gauge head to slidebar fastening | 1          | .75        |
| 3       | 500090   | Screw-Head pivot                            | 1          | .40        |
| 4       | G-1518   | Screw-Plunger block to slidebar fastening   | 1          | .20        |

| Key No. | Part No. | Name of Part                                     | No. Req'd. | Price Each |
|---------|----------|--------------------------------------------------|------------|------------|
| 5       | 906108   | Groovepin-Plunger block to slidebar              | 2          | .20        |
| 6       | 500096   | Knob-Plunger                                     | 1          | .90        |
| 7       | 500095   | Block-Plunger                                    | 1          | 2.15       |
| 8       | 500097   | Spring-Plunger                                   | 1          | .25        |
| 9       | 500098   | Plunger-Autoset                                  | 1          | 1.00       |
| 10      | 500099   | Locknut-Stop adjusting screw                     | 3          | 3/1.90     |
| 11      | 500100   | Stop-Ninety and 45 degree adjusting screw        | 3          | 3/2.90     |
| 12      | 500088   | Head-Miter Gauge                                 | 1          | 11.25      |
| 13      | 500091   | Washer-Head locking nut                          | 1          | .15        |
| 14      | 500093   | Thumb Nut-Head locking                           | 1          | 1.25       |
| —       | 500240   | Stop Rod for 2502 miter gauge                    | 1          | 3.50       |
| 15      | 500239   | Thumbscrew-Stop rod                              | 2          | 1.50       |
| 16      | 500241   | Stoprod-Straight                                 | 1          | 1.00       |
| 17      | 500242   | Stoprod-Hooked                                   | 1          | 1.00       |
| 18      | 905629   | Wingnut-Plated, 10-24                            | 2          | .15        |
| 19      | 500243   | Spring-extension rod clamp                       | 2          | .20        |
| 21      | 500244   | Clamp-Extension rod washer                       | 4          | .20        |
| 21      | XBC-60CP | Bolt-Plated, Carriage, 10-24 x 3/4" L.           | 2          | .20        |
| 22      | 905279   | Setscrew-Socket head, cup point 1/4-20 x 1/4" L. | 1          | .20        |

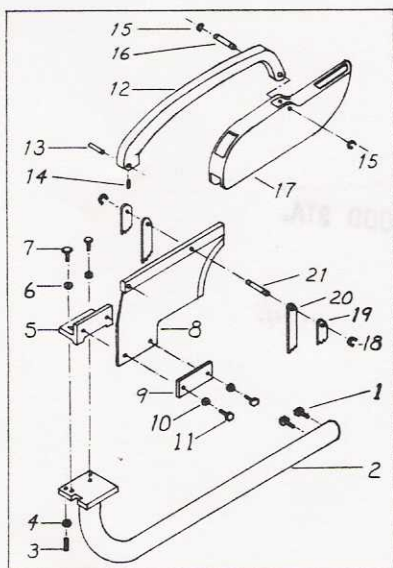


FIGURE 8. DELUXE SAWGUARD WITH SPLITTER

|   |         |                                                    |   |       |
|---|---------|----------------------------------------------------|---|-------|
| 1 | XCH-209 | Screw-Hex cap, 5/16-18 x 5/8" L.                   | 2 | .20   |
| 2 | 500256  | Tube Weldment-Sawguard                             | 1 | 16.90 |
| 3 | XSA-110 | Setscrew-Slotted head, cup point, 1/4-20 x 3/4" L. | 2 | .20   |
| 4 | 905681  | Nut-Regular hex full 1/4-20                        | 2 | .15   |

|    |         |                                                   |   |      |
|----|---------|---------------------------------------------------|---|------|
| 5  | 500257  | Bracket-Splitter                                  | 1 | 3.40 |
| 6  | 905758  | Washer-Plain steel, 1/4 x 3/4 x 16 ga.            | 2 | .15  |
| 7  | XCH-112 | Screw-Hex cap, 1/4-20 x 1" L.                     | 2 | .20  |
| 8  | 500258  | Splitter Weldment                                 | 1 | 7.15 |
| 9  | 500259  | Plate-Splitter weldment stiffener                 | 1 | 1.25 |
| 10 | XWC-812 | Washer-Plain steel, 5/16 x 5/8 x 16 ga.           | 2 | .15  |
| 11 | 905230  | Screw-Hex cap, 5/16-18 x 5/8" L.                  | 2 | .20  |
| 12 | 500269  | Arm-Guard hood support                            | 1 | 2.50 |
| 13 | 500270  | Pin-Arm to splitter pivot                         | 1 | .40  |
| 14 | 905279  | Setscrew-Socket head, cup point, 1/4-20 x 1/4" L. | 1 | .20  |
| 15 | 500268  | Springing-Hood to arm pivot pin retainer          | 2 | .15  |
| 16 | 500272  | Pin-Hood to arm pivot                             | 1 | .40  |
| 17 | 500271  | Hood-Saw guard                                    | 1 | 9.40 |
| 18 | 500268  | Springing-Pawl pivot pin retainer                 | 2 | .15  |
| 19 | 500266  | Pawl-Short anti kick                              | 2 | 1.30 |
| 20 | 500265  | Pawl-Long anti kick                               | 2 | 1.40 |
| 21 | 500267  | Pivotpin-kickback pawl                            | 1 | .40  |