10" TILTING ARBOR SAW

Model 66

Instruction Manual & Parts List

0460231

shown with optional extension table & legs, mobile base, and motor cover

POWERMATIC®

(800) 248-0144
www.powermatic.com

This manual has been prepared for the owner and operators of a Powermatic Model 66 Tilting Arbor Table Saw. Its purpose, aside from machine operation, is to promote safety through the use of accepted correct operating and maintenance procedures. Completely read the safety and maintenance instructions before operating or servicing the machine. To obtain maximum life and efficiency from your table saw and to aid in using the machine safely, read this manual thoroughly and follow all instructions carefully.

Warranty & Service

The JET Group warrants every product it sells. If one of our tools needs service or repair, one of our Authorized Repair Stations located throughout the United States can give you quick service.

In most cases, any one of these JET Group Repair Stations can authorize warranty repair, assist you in obtaining parts, or perform routine maintenance and major repair on your JET, Performax or Powermatic tools.

For the name of an Authorized Repair Station in your area, please call 1-800-274-6848.

More Information

Remember, the JET Group is consistently adding new products to the line. For complete, up-to-date product information, check with your local JET Group distributor.

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To take advantage of this warranty, the product or part must be returned for examination, postage prepaid, to an Authorized Repair Station designated by our office. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection discloses a defect, we will either repair or replace the product, or refund the purchase price if we cannot readily and quickly provide a repair or replacement, if you are willing to accept a refund. We will return repaired product or replacement at JET's expense, but if it is determined there is no defect, or that the defect resulted from causes not within the scope of JET's warranty, then the user must bear the cost of storing and returning the product. This warranty gives you specific legal rights; you may also have other rights which vary from state to state.

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⚠ SAFETY RULES

As with all machines, there is a certain amount of hazard involved with the use of this table saw. Use the machine with the respect and caution demanded where safety precautions are concerned. When normal safety precautions are overlooked or ignored, personal injury to the operator can result.

Read, understand and follow the safety and operating instructions found in this manual. Know the limitations and hazards associated with this table saw.

Electrical grounding. Make certain that the machine frame is electrically grounded and that a ground lead is included in the incoming electrical service. In cases where a cord and plug are used, make certain that the grounding plug connects to a suitable ground. Follow the grounding procedure indicated in the National Electrical Code.

Eye safety. Wear an approved safety shield, goggles, or glasses to protect eyes. (NOTE: Common eyeglasses are *not* safety glasses.)

Personal protection. Before operating the machine, remove tie, rings, watch and other jewelry and roll up sleeves above the elbows. Remove all loose outer clothing and confine long hair. Protective type footwear should be used. Where the noise exceeds the level of exposure allowed in Section 1910.95 of the OSHA Regulations, use hearing protective devices. Do not wear gloves.

Guards. Keep the machine guards in place for every operation for which they can be used. If any guards are removed for maintenance, DO NOT OPERATE the machine until the guards are reinstalled.

Work area. Keep the floor around the machine clean and free of scrap material, saw dust, oil and other liquids to minimize the danger of tripping or slipping. Be sure the table is free of all scrap, foreign material and tools before starting to cut. Make certain the work area is well lighted and that a proper exhaust system is used to minimize dust. Powermatic recommends the use of anti-skid floor strips on the floor area where the operator normally stands and that each machine's work area be marked off. Provide adequate work space around the machine.

Operator position. Maintain a balanced stance and keep your body under control at all times. Do not stand in line with the saw blade or work piece and do not allow anyone else to do so. Never climb on or near the saw.

Do not overreach. Use a support table or have a helper or "tailman" take stock away from the back side of the blade.

Housekeeping. Before turning on machine, remove all extra equipment such as keys, wrenches, scrap, and cleaning rags away from the saw.

Careless acts. Give the work you are doing your undivided attention. Looking around, carrying on a conversation, and "horseplay" are careless acts that can result in serious injury.

Disconnect machine before performing any service or maintenance or when changing blades. A machine under repair should be RED TAGGED to show it should not be used until the maintenance is complete.

Alignment. Check the alignment of the splitter, fence and miter slot to the blade. A caution decal is installed on each guard and splitter to remind the operator of the dangers of misalignment.

Maintain tools in top condition. Check the saw blade for cracks or missing teeth. Do not use a cracked or dull blade or one with missing teeth or improper set. Make sure the blade is securely locked on the arbor.

Hand safety. Keep hands clear of the blade area. Do not reach past the blade to clear parts or scrap with the saw blade running. Never saw free hand. Avoid awkward operations and hand positions where a sudden slip could cause your hand to contact the blade.

Safety devices. Always use the splitter, blade guard, push stick and other safety devices for all operations where they can be used. On operations such as dadoing or molding where the blade guard cannot be used, use feather boards (see page 14), fixtures and other safety devices and use extreme caution. Reinstall the splitter and blade guard immediately after completing the operation that required their removal.

Saw blade rotation. Be sure the saw blade rotates clockwise when viewed from the motor side (left side) of the machine.

Adjustments. Make all adjustments to the machine and operational setup with the power off. Never remove the insert with the blade running.

Material condition. Do not attempt to saw boards with loose knots or with nails or other foreign material, on its surface. Do not attempt to saw twisted, warped, bowed or "in wind" stock unless one edge has been jointed for guiding purposes prior to sawing.

Large stock. Do not attempt to saw long or wide boards unsupported where spring or weight could cause the board to shift position.

Job completion. If the operator leaves the machine area for any reason, he should turn "off" the power to the table saw motor and wait until the saw blade comes to a complete stop before his departure. In addition, if the operation is complete, he should clean the table saw and the work area. NEVER clean off the table saw with power "on" and NEVER use the hands to clear sawdust and debris; use a brush.

Replacement parts. Use only Powermatic or factory authorized replacement parts and accessories; otherwise the table saw warranty and guarantee is null and void.

Misuse. Do not use this Powermatic table saw for other than its intended use. If used for other purposes, Powermatic disclaims any real or implied warranty and holds itself harmless for any injury or damage which may result from that use. Do not equip this table saw with a motor larger than five (5) horsepower at 3600 RPM. Doing so voids the warranty and Powermatic holds itself harmless from any injury which may result.

If you are not thoroughly familiar with the operation of Table Saws, obtain advice from your supervisor, instructor or other qualified person.

Drugs, alcohol, medication. Do not operate this machine while under the influence of drugs, alcohol, or any medication.

Health hazards. Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
* Lead from lead-based paint.
* Crystalline silica from bricks and cement and other masonry products.
* Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area, and work with approved safety equipment, such as those dust masks that are specifically designed to filter out microscopic particles.

Familiarize yourself with the following safety notices used in this manual:

CAUTION: (This means that if precautions are not heeded, it may result in minor or moderate injury and/or possible machine damage)

WARNING: (This means that if precautions are not heeded, it could result in serious injury or possibly even death).

⚠ SAFETY DECAL

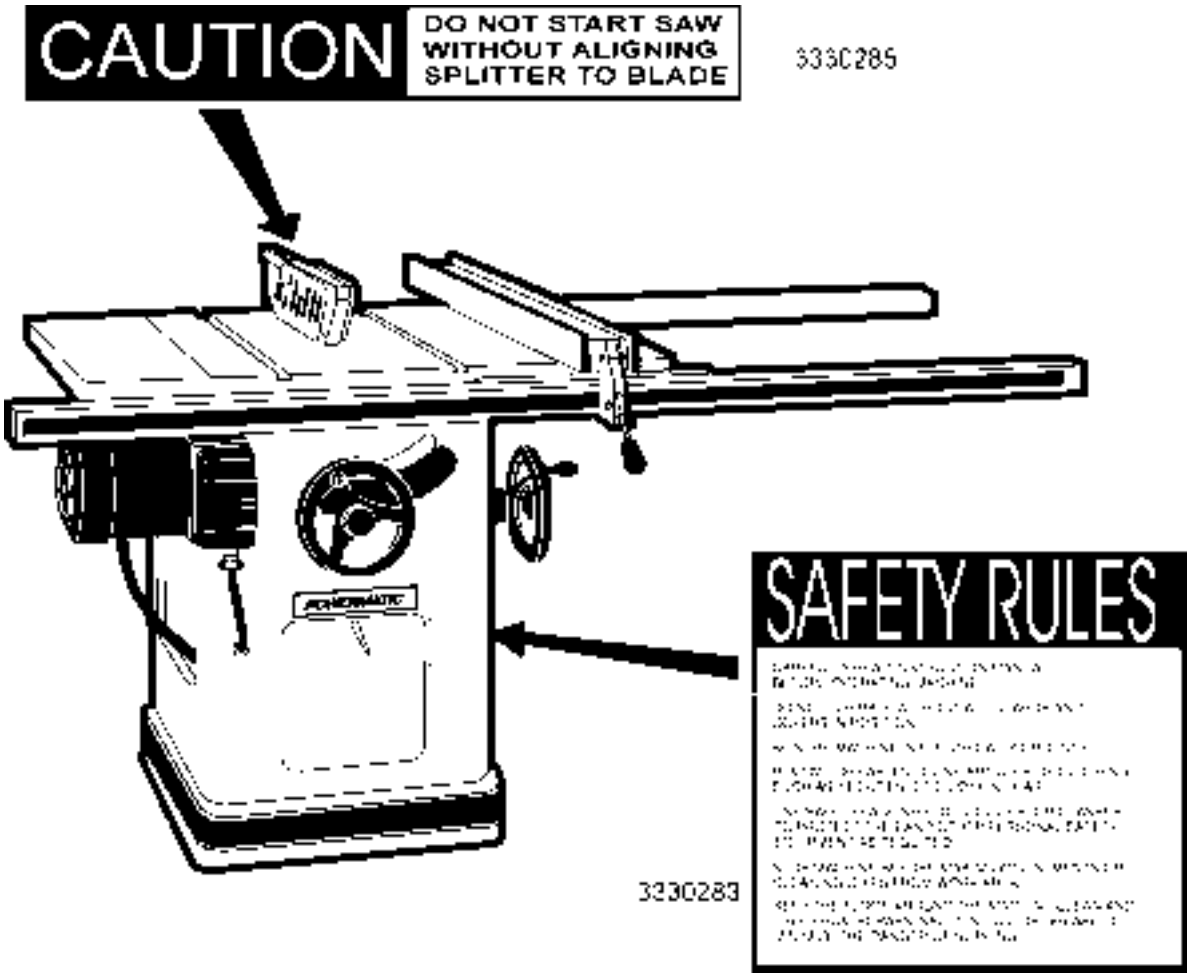


FIGURE 1

SPECIFICATIONS

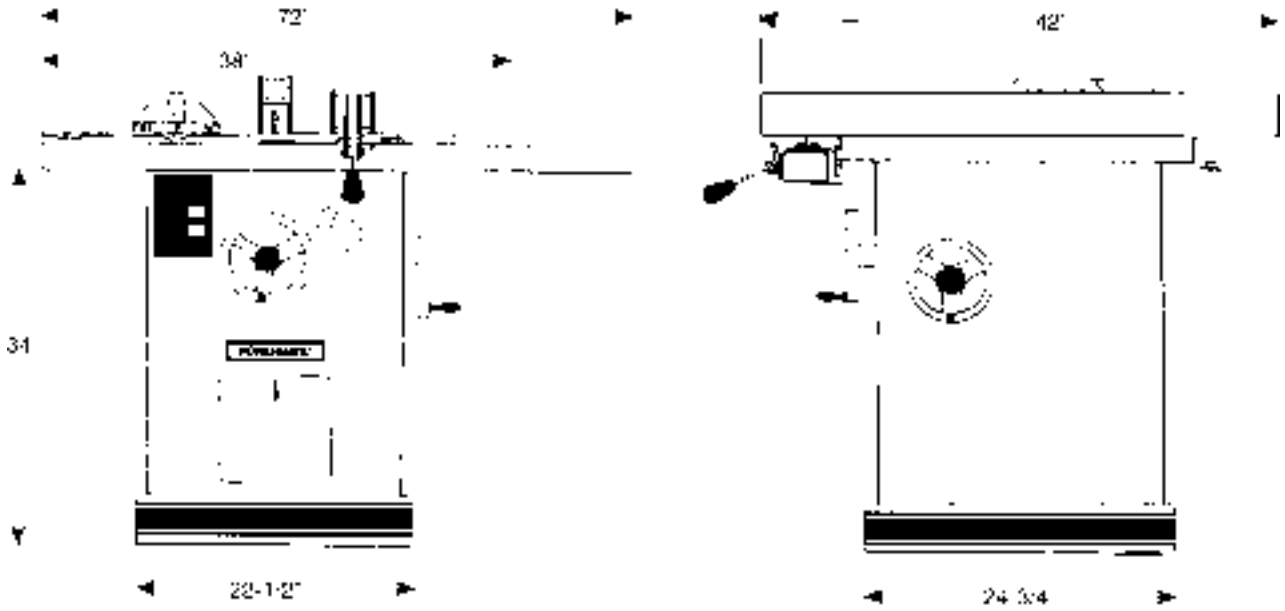


FIGURE 2

Table with Standard Extensions	28" x 38"
Rip Fence	2-1/2" x 4" x 41-3/4"
Arbor Diameter	5/8"
Saw Blade Diameter	10"
Blade Tilt Maximum	45 Deg.
Maximum Depth of Cut	90 DEG.: 3-1/8"; 45 DEG.: 2-1/8"
Maximum Cut with Standard Extension to Right of Saw Blade	25"
Maximum Width of Cutoff in Front of Saw in 1" Stock	15"
Maximum Width of Cutoff in Front of Saw in 3-1/8" Stock	12-1/4"
Maximum width of Dado Cut	13/16"
Maximum Motor	5 HP 3600 RPM
Maximum Speed of 10" Saw Blade	11,000 SFM
Drive Belts	3VX (two required)
Table Height to Floor	34"
Dust Collection Outlet	4"
Shipping Weight with Motor, Fence & Rails	614 lbs.

NOTE: The above specifications were current at the time this manual was published, but because of our policy of continuous improvement, Powermatic reserves the right to change specifications without notice and without incurring obligations.

RECEIVING THE SAW

Open shipping container and all separate cartons containing rails and accessories. Report any damage immediately to your distributor. Read the instruction manual thoroughly for assembly, alignment, maintenance and safety instructions.

Box contents:
Box 1: table saw, extension wings, manuals
Box 2: (shipped inside Box 1): splitter and guard assembly, splitter support shaft, arbor wrench, lock knobs, miter gauge, hardware bag
Box 3: Accu-Fence, lock handle, manual
Box 4: Front & rear rails, guide tube, hardware bag

Optional:
Box 5: Motor cover & screws
Box 6: Formica top extension table
Box 7: Legs for ext. table

INSTALLATION AND ASSEMBLY

Tools required for assembly:

- 9/16" wrench
- 7/16" wrench
- 1/2" wrench

(or one open end adjustable wrench)

- 7/32" hex head (allen) wrench
- 3/32" hex head (allen) wrench
- Flat head screwdriver (for electrical connections)

1. Remove all wood crating from around the saw.
2. With a 9/16" wrench, remove the bolt holding the extension wings together and set wings aside for later installation.
3. With a 7/16" wrench, remove the two hex. head screws holding the saw to the wooden skid. Carefully slide the saw from the pallet onto the floor.
4. Tilt the saw, and pop off the metal tabs that secured the saw to the skid, by pushing down on them.

NOTE: Exposed metal parts such as the top and extension wings have been given a protective coating at the factory. This should be removed with a solvent (such as mineral spirits) once the machine has been assembled.

LOCK KNOBS

1. With a 7/32" allen wrench, check the factory tightness of the setscrews in the handwheels, Figure 3, making sure the setscrews are tightened in the middle of the flats on each shaft. The hand-wheel should be flush with the end of the shaft.

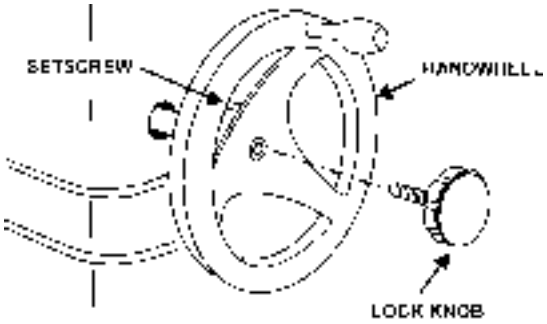


FIGURE 3

2. Find the two lock knob assemblies. Check that the setscrews in the knobs are tight using a 3/32" allen wrench. Screw one knob assembly, Figure 3, into the tilting mechanism hand-wheel and the other into the handwheel for raising and lowering the blade.

EXTENSION WINGS

1. Mount the cast iron extension wings using the (6) 3/8" x 1" hex head screws and lock washers. Holding the wing in upright position to the saw table, insert the middle screw and lock washer first but do not tighten completely.
2. Pivot the wing to level position and insert the outside screws. Do not tighten completely.
3. Level the extension wing with the table, using a straight edge. Make sure the edges are even with the edges of the table top.
4. Tighten all screws.

MOUNTING BLADE

If your blade came uninstalled, refer to "Changing Saw Blades," page 12. NOTE: Blade should be mounted first before rails are adjusted.

RAILS & ACCU-FENCE

(Refer to the manual that accompanies the Accu-Fence to assemble rails and fence at this point).
NOTE: If you are installing the optional formica top extension table, it should be mounted before installing the guide tube.

SPLITTER AND GUARD ASSEMBLY

1. Insert the grooved end of the splitter support shaft through slot in rear of saw and into hole in trunnion, Figure 4. Make sure the square head setscrew is backed out enough to allow easy insertion.
2. With a wrench, tighten square head setscrew into the groove of the shaft as shown in Figure 4. (NOTE: The groove will be in the proper position if the end of the shaft is made flush with the opposite side of the trunnion hole.) Tighten the locknut. The upright member of the rear splitter support must be on the *left* side of the saw (observed from the saw's front).

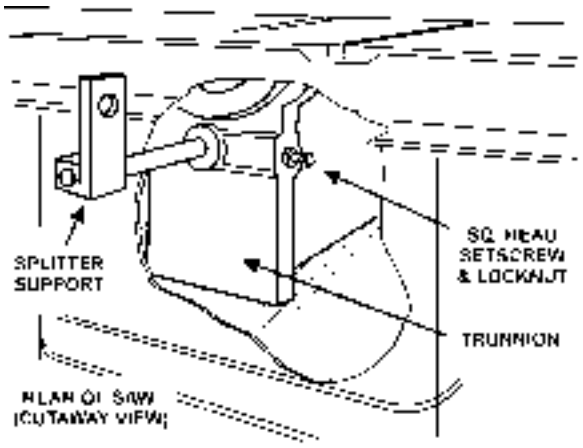


FIGURE 4

3. Mount the splitter assembly to the two adjusting screws, Figure 5. Place the two flanges of the splitter assembly onto the screws as shown.
4. The splitter and guard assembly must be aligned with the blade. Adjust the splitter according to the directions on page 11, "Splitter Alignment."

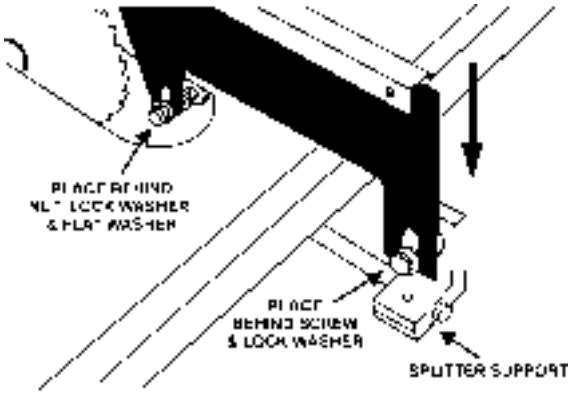


FIGURE 5

MITRE GAUGE

Place washer on threaded rod, Figure 6, and screw the handle on to the bolt. Install the mitre gauge in its left hand slot on the table.

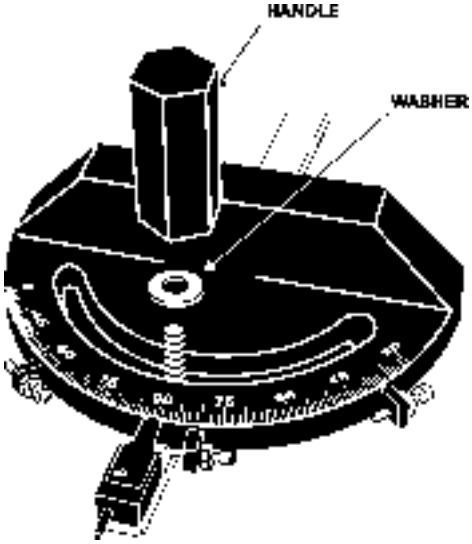


FIGURE 6

MOTOR COVER (OPTIONAL)

1. If your saw came with the optional motor cover, find the two 1/4"-20 self tapping sheet metal screws and install them in the punched holes on the saw cabinet. Do not screw down all the way, but leave the heads about 1/4" from the surface.
2. Lift the motor cover over these screws with the cover's bottom lip inside the saw's cabinet.
3. Tighten the two screws.

FORMICA TOP EXTENSION TABLE (OPTIONAL)

NOTE: The extension table should be installed before the guide tube. After the extension table is mounted, the fence can be adjusted and the guide tube installed.

Tools needed:

Electric drill (3/32", 5/16" and 1/4" bits)
wrench

The extension table will be bolted to the rails:
1. Lay the extension table on the floor, on the edge where the legs will be attached. Put the leg brackets inside the top's bracing. Block up legs so they will lay in the bracing and be parallel to the floor, Figure 7.

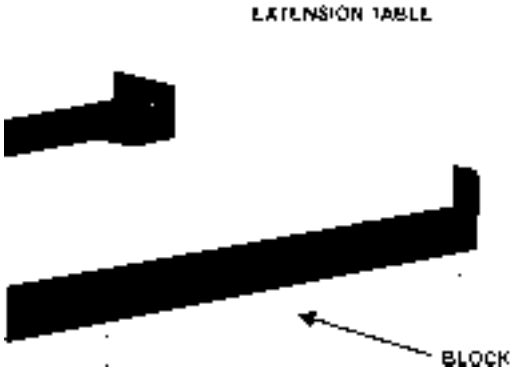


FIGURE 7

2. Mark where the screws are to be installed. Drill a 3/32" pilot hole and install the screws.
3. Position the table inside the rails and up against the cast iron wing, and level it with the cast iron wing using a straightedge. Use clamps if necessary to hold table in position. Adjust the foot pads in or out as needed to make extension table level. When level, use the fence holes as your guide to drill the holes in the table or, mark the location of holes and remove the table for drilling.
(NOTE: The extension table is mounted to the predrilled holes in the fence; it is not bolted to the cast iron saw table.)
4. For the side against the rear rail, drill pilot holes and then drill 5/16" holes.
5. For the side against the front rail, drill pilot holes and then drill 1/4" holes.

6. Loosely install the 5/16" x 1-1/4" screws with flat washers, lock washers and nuts into the rear side of extension table. Loosely install the 1/4" x 1-1/2" screws with lock washers and nuts into the front side of extension table.
7. Recheck that the table is level and tighten all screws.

SAW ADJUSTMENTS

MITRE SLOT ALIGNMENT

To check the alignment of the mitre slot to the blade, raise the blade to its 0 deg. (vertical) position to its maximum height. Mark one tooth with a grease pencil and position the tooth slightly above the top edge of the table at the front. Raise the mitre gauge slightly out of its slot to serve as a shoulder. Using a combination square against the side of the bar, slide the scale over until it touches the tip of the blade and lock in position, Figure 8. Rotate the marked tooth so that it is slightly above the table top at the rear and using the square as in front, check whether the distance to the blade is the same. If it is not, loosen the three (3) mounting screws that lock the table to the cabinet and move the table to bring the mitre slot in line with the blade. The blade should be kept centered with the slot in the table insert to ensure clearance at both the 90 deg. and 45 deg. positions. After aligning, lock the table to the cabinet by retightening the three mounting screws.

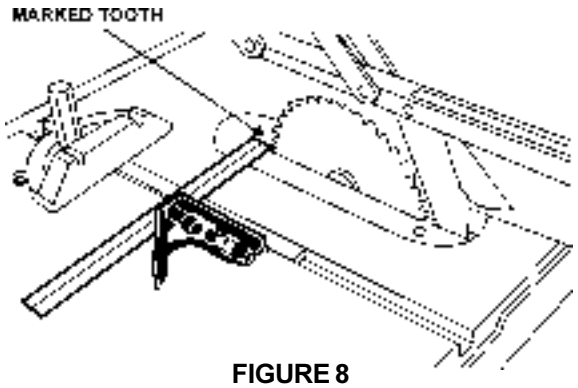


FIGURE 8

TILT STOP ADJUSTMENT

Using a combination square, check the 90 deg. (0) and 45 deg. stops as shown in Figure 9. Adjust stop positions if required, using the stop screws as shown. Check the pointer at 90 deg. (0) and readjust if required.

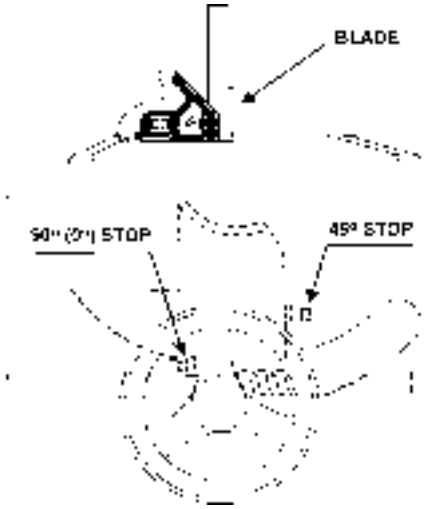


FIGURE 9

FENCE ALIGNMENT

See Accu-Fence manual.

MITRE GAUGE ADJUSTMENT

Your mitre gauge is equipped with individually adjustable index stops at 90 degrees and 45 degrees right and left. The index stops can be adjusted by tightening or loosening the three adjusting screws A, Figure 10.
To operate the mitre gauge, loosen lock handle B, and move the body of the mitre gauge C to the desired angle. The mitre gauge body is set to stop at 0 degrees and 45 degrees left or right. To move the gauge beyond these points, the stop rod D, must be pulled out.

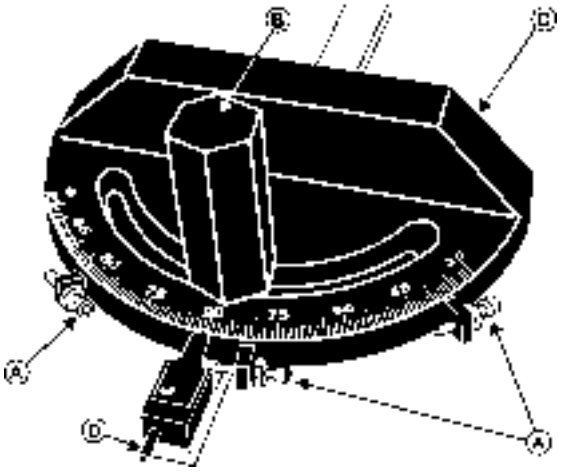


FIGURE 10

If accurate crosscutting work is to be done using the mitre gauge, check its squareness to the slot with a machinists square and readjust the stop position as required as shown in Figure 11.

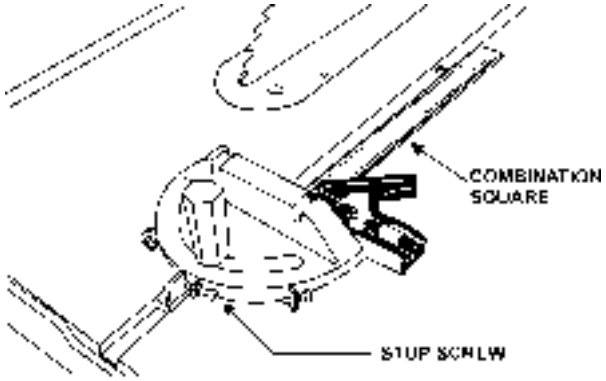


FIGURE 11

BELT TENSIONING

The saw is equipped with a set of two matched belts and on replacement, replace the complete set. To retension the belts, loosen the cap screws on either side of the motor bracket as shown in Figure 12, and pivot the motor and bracket to the right. Retighten the mounting screws. To remove and re-place the belts, loosen the mounting screws and rotate the motor and bracket to the left as far as possible. Remove one belt at a time. After installing new belts, retension as indicated.

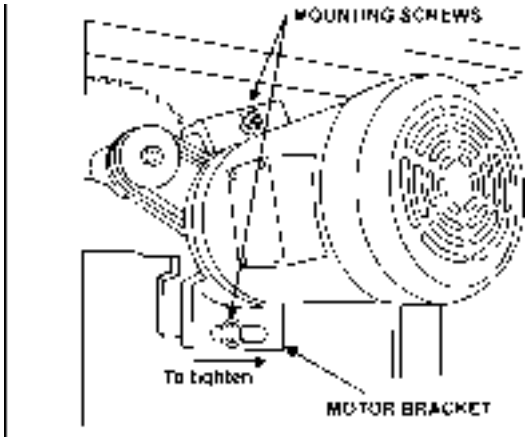


FIGURE 12

ARBOR AND ARBOR BEARING REMOVAL

1. To remove the saw arbor, first remove the mounting screws holding the table top to the base. Lift off the table top.
2. Loosen the two setscrews in the motor pulley and remove the pulley and key.
3. Loosen the setscrew at the saw raising arm and the arbor assembly and bearings will slide out of the arm housing, Figure 13.

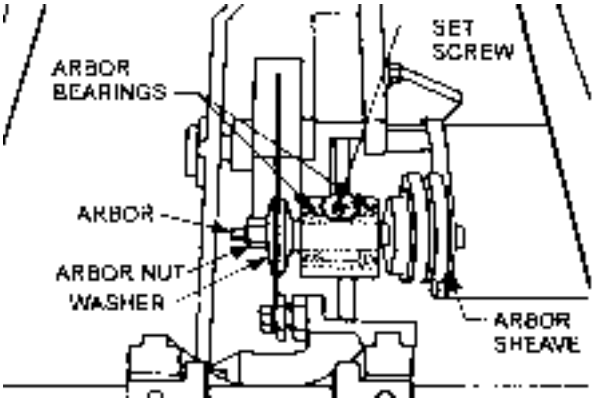


FIGURE 13

BLADE RAISING MECHANISM ADJUSTMENT

If binding occurs, clean off all sawdust and pitch buildup and re-lubricate with a good non-hardening grease such as Fiske Company Lubriplate. If binding continues, check the fit-up of the worm and worm gear segment. The worm must be centered with the worm gear segment. If it is not centered, loosen the saw raising arm setscrews and move the arm as required, Figure 14, and relock. If saw arm has been relocated, the table may have to be realigned so as to provide clearance between the saw blade and table insert slot and the splitter will have to be realigned. **NOTE:** The saw arm setscrew must be tight to avoid the possibility of movement which could cause the blade to hit the insert.

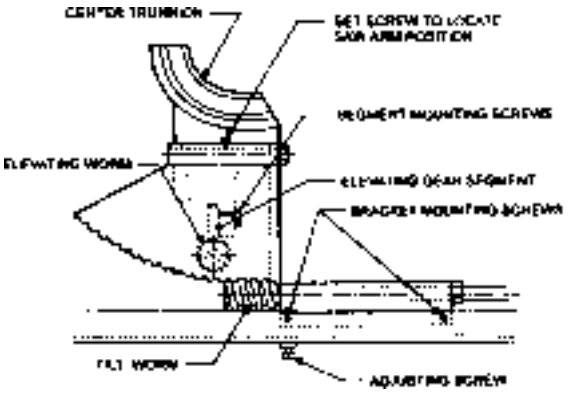


FIGURE 14

SPLITTER ALIGNMENT

One of the most critical adjustments to help avoid kickbacks is the splitter adjustment. It should be checked and readjusted, if required, after each blade change.
1. To align the splitter to the blade use a combination square against the side of the raised up miter gauge bar and slide the scale against the top of the tooth, Figure 15.
2. Check the splitter for parallelism and for clearance to the miter slot and readjust if required. The insert will have to be removed to access the adjustment jack screw mounted in the center trunnion.

3. Move the miter gauge to the opposite side of the blade and using the combination square, slide the scale against the top of the tooth. Check for clearance. Clearance should be approximately equal on both sides of the blade.

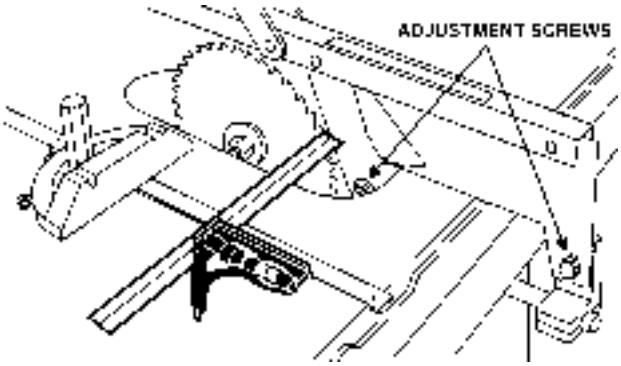


FIGURE 15

INSERT ADJUSTMENT

Adjust the setscrews as required in the insert, Figure 16, to ensure that the insert is stable and flush with or slightly below the table top.

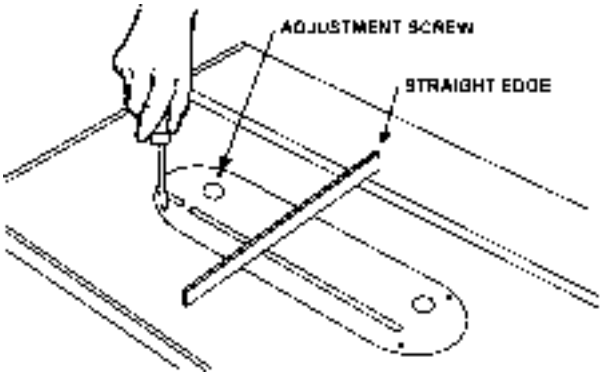


FIGURE 16

CHANGING SAW BLADES

To change a saw blade, disconnect machine from power source. Remove the table insert.

1. Wedge a block of wood between saw blade and table to prevent blade from rotating, Figure 17. Place the arbor wrench on the arbor nut (NOTE: right-hand threads).
2. Remove the arbor nut and collar and saw blade. Install new blade making sure the cutting edge of the teeth at the top face toward the front of the saw.
3. Slide the collar on the arbor and start the arbor nut on the threads. Snug the arbor nut against the collar and saw blade using the wrench and holding the saw blade with the thumb and finger tips.
4. Wedge a block of wood between the saw blade and table and tighten the arbor nut securely. Replace the table insert and reconnect the machine to power source.

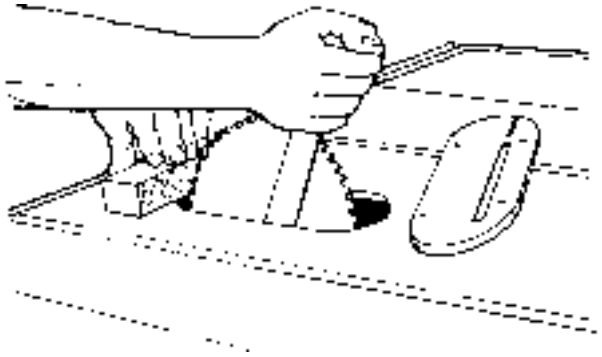


FIGURE 17

TILTING MECHANISM ADJUSTMENT

If binding occurs in the tilting mechanism, clean off the saw dust and pitch accumulation and regrease. If binding continues, check the alignment and readjust as required to center of worm with the worm gear segment on the trunnion. If there is excessive play, loosen cap screws and adjust jack screws (Figure 14) clockwise to raise pinion. A tight mesh without binding is ideal. Retighten mounting screws and check over the 90 degree to 45 degree range of tilt for excessive play or binding. Readjust if required.

GENERAL MAINTENANCE

Good saw operation requires periodic preventive maintenance.

Keep the inside of the cabinet and trunnion area clean. A stiff brush will remove sawdust before it cakes and pitch or gum is easily removed with a commercial solvent or with a good oven cleaner. To accomplish this, remove the table by removing the three mounting screws and exposing the working mechanisms of the saw. After cleaning the tilting and raising worm and worm gear segments and the trunnions, grease these three areas with a good grade non-hardening grease such as Fiske Company “Lubriplate”.

Check periodically for excessive play in the tilting and raising mechanism and in the saw arbor and readjust as required.

Check periodically for belt tension and wear. Readjust or replace belt as required.

The table surface must be kept clean and free of rust for best results. Although some users prefer a wax coating, white talcum powder applied with a blackboard eraser rubbed in vigorously once a week will fill casting pores and form a moisture barrier. This method provides a table top that is slick and allows rust rings to be easily wiped from the surface. Important also is the fact that talcum powder will not stain wood or mar finishes as wax pickup does.

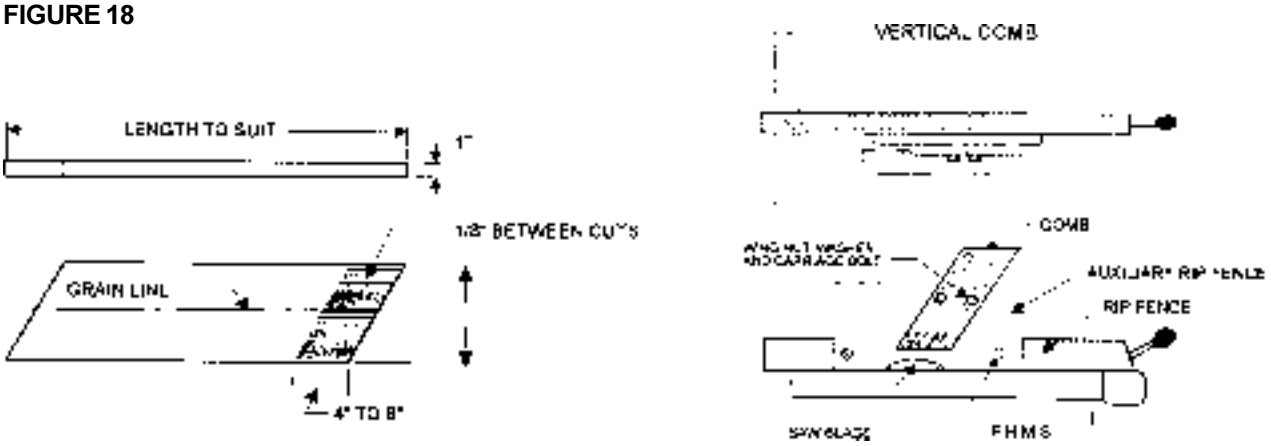
TROUBLE SHOOTING TIPS

7528%/(	3266,%/(&$86(	62/87,21
([FHVVLYH YLEUDWLRQ	1. 7LOWRUUDLVLQJ FODP S NQREV QRW WLJKWHQHG 2. %ODGH RXWRI EDODQFH. 3. %DG P RWRU 4. / RRVH DUERURUP RWRUVKHDYH.	1. 7LJKWHQ NQREV. 2. &KDQJH EODGH. 3. 5 HSODFH P RWRU 4. 7LJKWHQ VHWVFUHZ V.
&XWRXWRI VTXDUH Z KHQ FURVVFXWWLQJ.	1. 0 LWHUJDXJH RXWRI DGMXVWP HQW 2. 0 LWHUVORWP LVDOLJQHG	1. 5 HVHWVWRSV DQG SRLQWHU 2. 5 HDOLJQ WDEOH
0 RWRUVWDOOV RUZ RUNSLHFH ELQGV RUEXUQV.	1. ([FHVVLYH IHHG 2. %DG P RWRU 3. ' XOORULQFRUUHFWEODGH. 4. 0 LWHUVORWP LVDOLJQHG 5.) HQFH P LVDOLJQP HQW	1. 5 HGXFH IHHG 2. 5 HSODFH P RWRU 3. 5 HSODFH EODGH. 4. 5 HDOLJQ P RWRUVORW. 5. 5 HDOLJQ IHQFH.
&XWV QRWWUXH DW90 RU45 GHJ.	1. 6 WRS VFUHZ V QRWVHWSURSHUO\.	1. 5 HDGMXVWVWRS VFUHZ V.
7LOWRUVDZ UDLVLQJ KDQGZ KHHOV GLIILFXOWWR WXUQ	1. &ODP S NQREV QRWUHOHDVHG 2. : RUP DQG Z RUP JHDUVHJP HQW FDNHG Z LWK VDZ GXVWDQG SLWFK. 3. : RUP DQG Z RUP JHDUVHJP HQW RXWRI DOLJQP HQW	1. 8 QFODP S. 2. &OHDQ DQG UHJUHDVH. 3. 5 HDOLJQ Z RUP DQG Z RUP JHDU VHJP HQW
0 RWRURYHUKHDWV.	1. 0 RWRURYHUORDGHG 2. ,P SURSHUFRROLQJ RI P RWRU	1. &RUUHFWRYHUORDG FRQGLWLRQ VXFK DV UHGXFLQJ WKH IHHG UDWH. 2. &OHDQ VDZ GXVWIURP IDQ DQG GXFWDUHDV RI P RWRU
0 RWRUVWDUWV VORZ O\ RUIDLOV WR FRP H XS WR IXOOVSHHG	1. / RZ YROWDJH. 2. &HQWULIXJDOVZ LWFK QRW RSHUDWLQJ. 3. %DG P RWRU	1. 5 HTXHVWYROWDJH FKHFN IURP SRZ HUFRP SDQ\ DQG FRUUHFWORZ YROWDJH FRQGLWLRQ 2. 5 HSODFH VZ LWFK. 3. 5 HSODFH P RWRU
0 RWRUIDLOV WR GHYHORS IXOO SRZ HU	1. 3 RZ HUOLQH RYHUORDGHG 2. 8 QGHUVL]H Z LUHV LQ VXSSO\ V\VWHP. 3. / RZ YROWDJH. 4. %DG P RWRU	1. &RUUHFWRYHUORDG FRQGLWLRQ 2. ,QFUHDVH VXSSO\ Z LUH VL]H. 3. 5 HTXHVWYROWDJH FKHFN IURP SRZ HUFRP SDQ\ DQG FRUUHFW FRQGLWLRQ 4. 5 HSODFH P RWRU

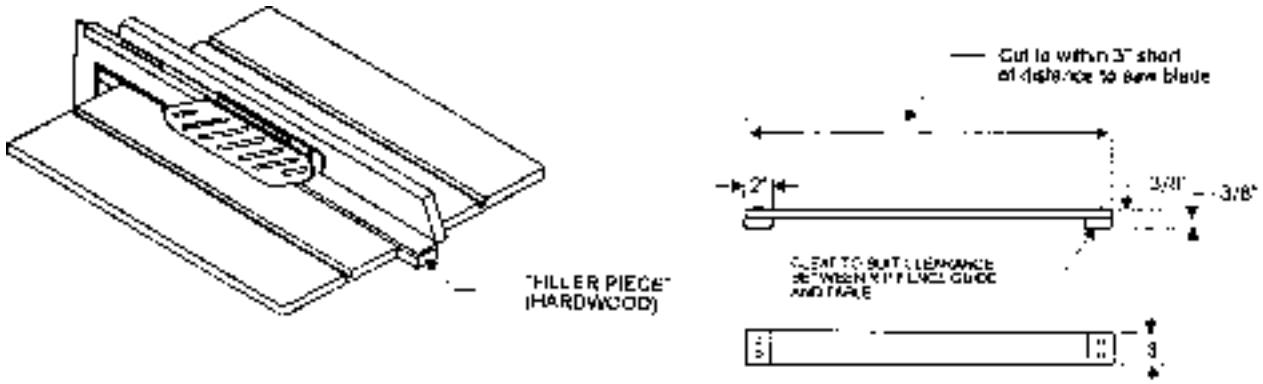
FEATHERBOARD CONSTRUCTION

The Feather Board is to be made of straight grain hardwood approximately 1" thick and 4" to 8" wide according to the size of the machine. The length should be developed in accordance with its intended use. Feather Boards can be fastened to the table or rip fence by use of "C" clamps. Drilled and tapped holes in the table top allow for the use of wing nuts and washers as a method of clamping. Provide slots in the Feather Board for adjustment if this method of clamping is used. Figure 18 shows the method of attaching and use of Feather Board as a vertical comb. The horizontal application is essentially the same except the attachment is to the table top.

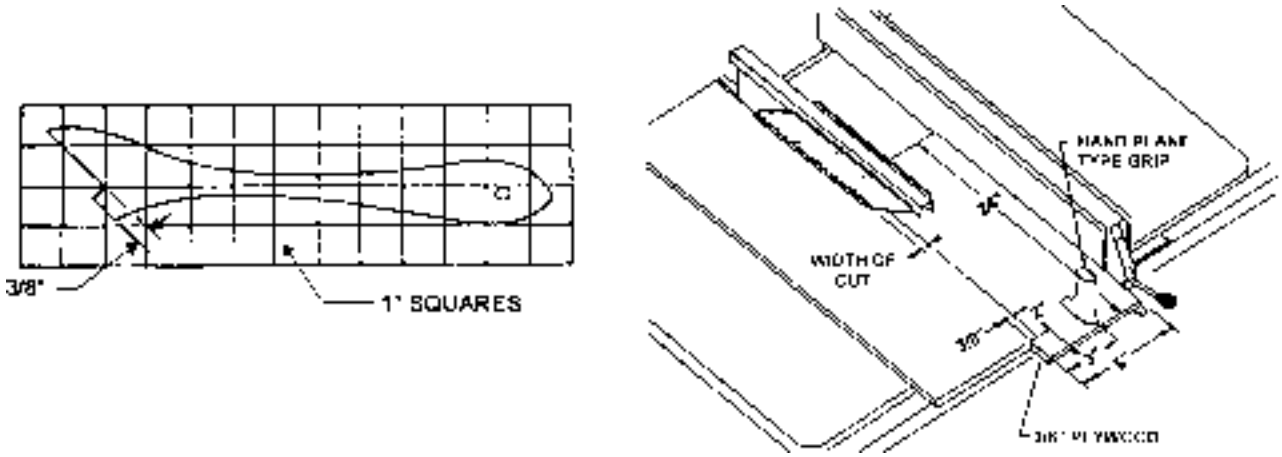
FIGURE 18



FILLER PIECE CONSTRUCTION



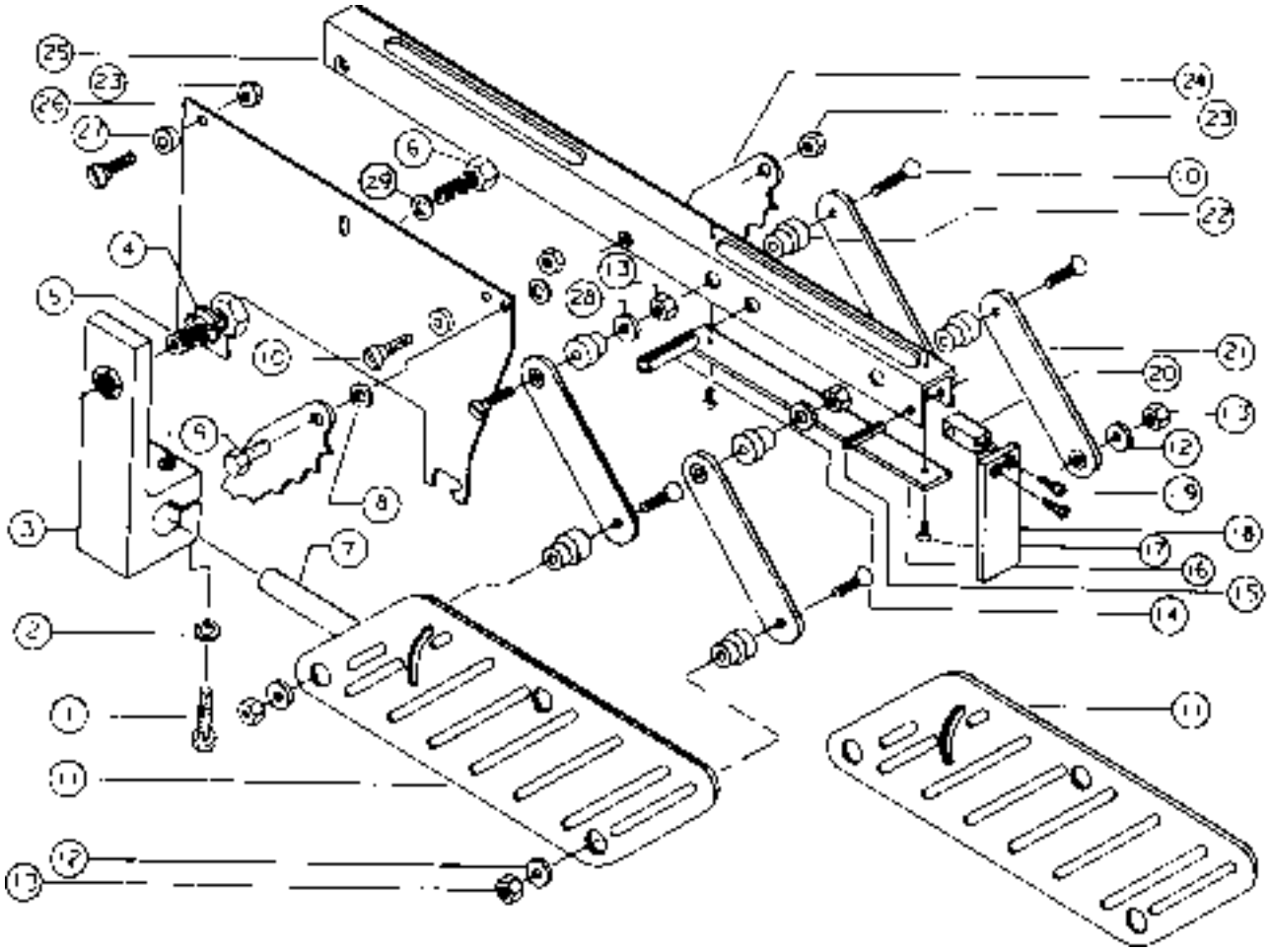
PUSH STICK & PUSH BLOCK CONSTRUCTION



PARTS LIST: SPLITTER AND GUARD ASSEMBLY

NO.	PART NO.	DESCRIPTION
	2787008	SPLITTER REAR SUPPORT ASSY. (ITEMS 1 THRU 7)
1	6715034	SCR HEX HD CAP 5/16"-18 x 1-1/4"
2	6861200	WASHER, LOCK 5/16"
3	3776050	SUPPORT, SPLITTER REAR
4	6572005	NUT, HEX JAM 3/4"-16
5	3690232	SCR., ADJUST 3/4"-16 x 1-1/2"
6	2406001	KNOB ASSY.
7	3700090	SHAFT, SPLITTER SUPPORT
	2250116	GUARD AND SPLITTER ASSY. (ITEMS 8 THRU 28)
8	6851101	WASHER, FLAT 1/4"
9	6714158	SCR., HEX HD CAP 1/4"-20 x 5/8"
10	6714192	SCR., FL HD SOC. 1/4" x 20 x 7/8"
11	3250112	GUARD, BLADE
12	3838015	WASHER, PIVOT
13	6514012	NUT, LOCK 1/4"-20

NO.	PART NO.	DESCRIPTION
14	6626029	PIN, SPRING 3/16" x 1"
15	6626050	PIN, SPRING 3/8" x 1-3/4"
16	3720018	SHIELD, GUARD
17	6710032	SCR., RD HD MACH NO. 10-24 x 1/4"
18	3720017	SHIELD, FRONT
19	6714053	SCR FL HD MACH NO 10-24 x 3/8"
20	3055095	BLOCK, PIVOT
21	3025074	ARM, PIVOT
22	3070108	BUSHING, PIVOT
23	6514001	NUT, HEX 1/4" -20
24	3581006	PAWL, ANTI-KICKBACK
25	3044307	BAR, SPLITTER
26	3750011	SPLITTER
27	3735203	SPACER
28	3837206	WASHER
29	6861301	WASHER, FLAT PLAIN 3/8"

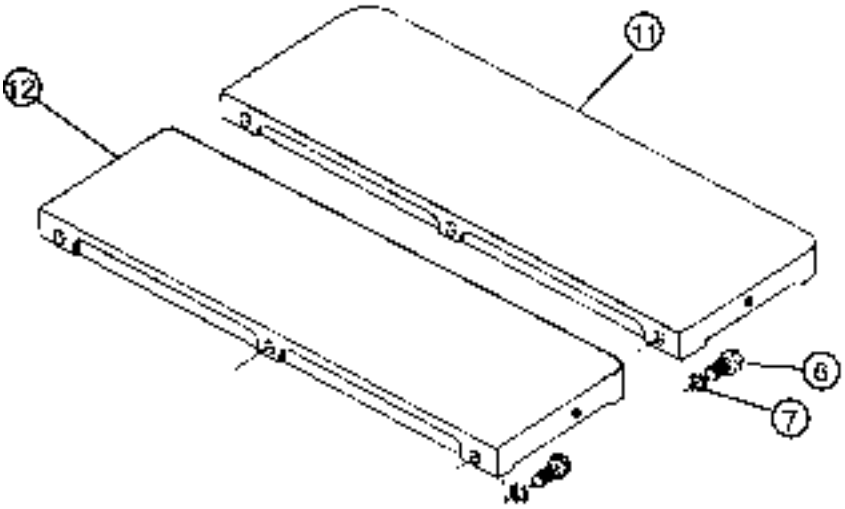


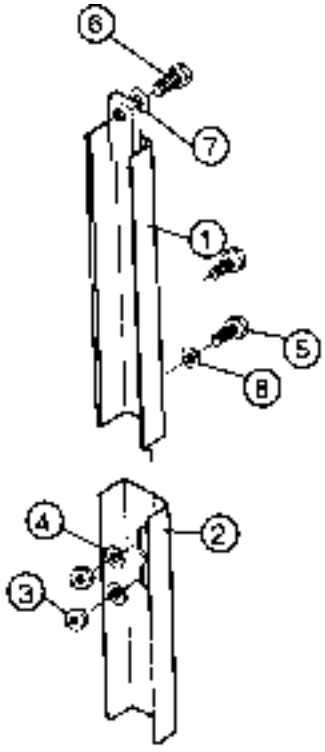
PARTS LIST: STAND ASSEMBLY

NO.	PART NO.	DESCRIPTION
	2389003	KIT, 72" RAILS EXT. (ITEMS 1 THRU 12)
	2423001	SUPPORT LEG ASSY. TABLE EXT. (ITEMS 1 THRU 7)
1	2423006	LEG ASSY., INNER EXT.
2	3186009	EXT., OUTER LEG
3	6515001	NUT. HEX 18-5/16"
4	6861200	WASHER, LOCK 5/16"
5	6715036	SCR., HEX HD. 18-5/16" x 5/8"
6	6716031	SCR., HEX HD. 16-3/8" x 1
7	6861300	WASHER, LOCK 3/8"
8	6861201	WASHER, FLAT 5/16"
11	3186010	EXT., ROUND 21"
12	3186011	EXT., SQUARE 21"
13	3186008	EXT., 8" STANDARD
	2328002	DADO INSERT ASSY. (# 19 & 20)
19	6714081	SCR., SLOTTED SET 1/4"-20-3/8"
20	3328026	INSERT, DADO
	2136002	DOOR ASSY. (ITEMS 21 & 22)
21	3136018	DOOR, DUST REMOVAL
22	6440003	LATCH
27	3604003	POINTER
28	6708045	SCR, RD HD MACH NO 8-32 x 3/8"
29	3684232	SCALE, PLATED TABLE ANGLE
30	6746001	SCR., PAN HD SELF TAPPING 6-32 x 1/4"
31	2759036	STAND ASSY. (WELDMENT)
34	6861301	WASHER, FLAT 3/8"
35	3797044	TABLE
	2328001	TABLE INSERT ASSY. (ITEMS 36 & 37)
36	3328025	INSERT, TABLE
37	6714081	SCR., SLOTTED HD SET 1/4"-20 x 3/8"
38	3104663	COVER, MOTOR (OPTIONAL)
39	6715101	SCR., SQ HD 5/16"-18 x 2-3/4"
40	6515001	HEX NUT, 5/16"-18
41	6746023	HEX HD SELF TAPPING SCR, 1/4"-20 x 5/8"

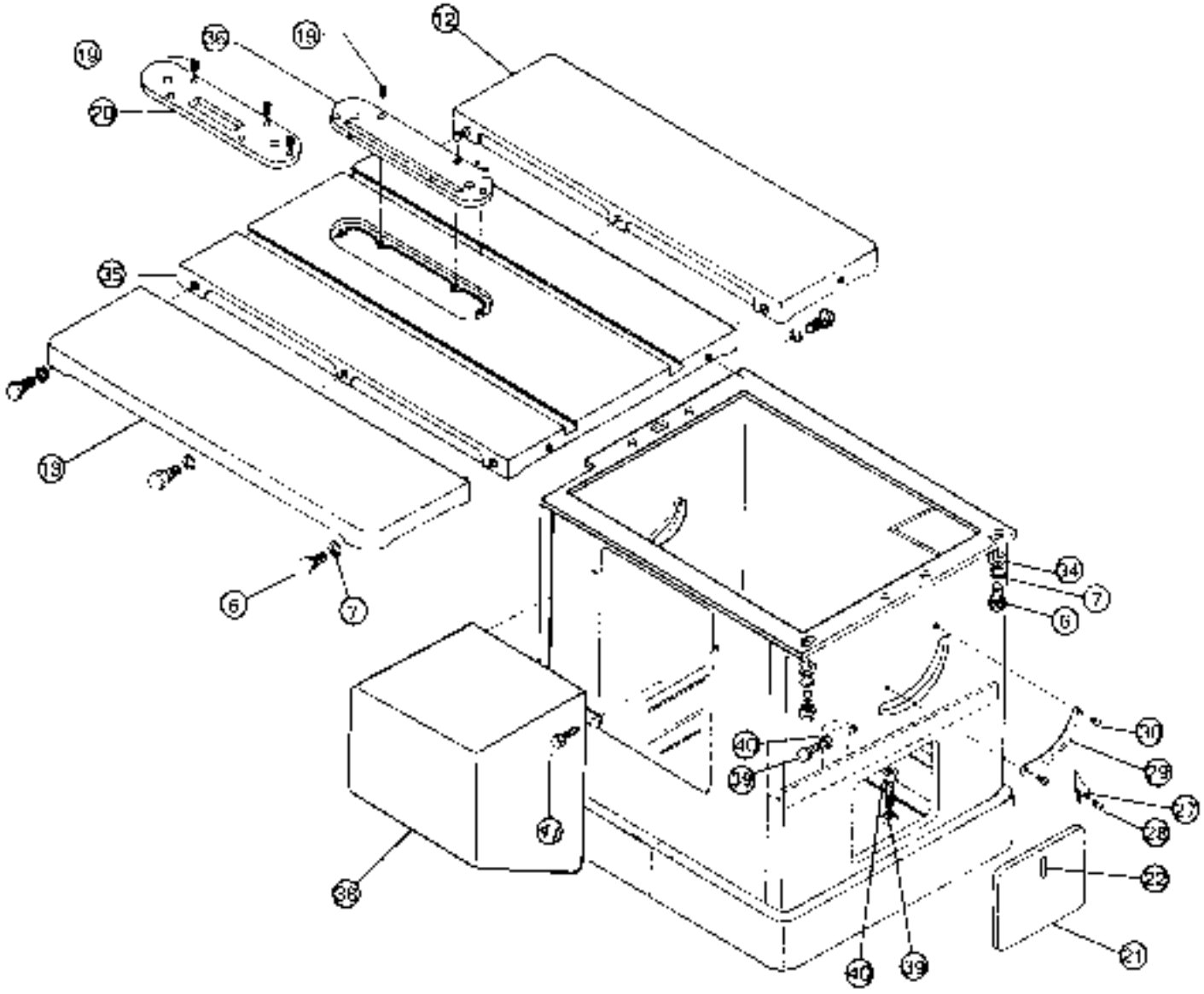
PART NO. 1, 2, 11, AND 12 ARE OPTIONAL

OPTIONAL TABLE EXTENSION AND LEGS





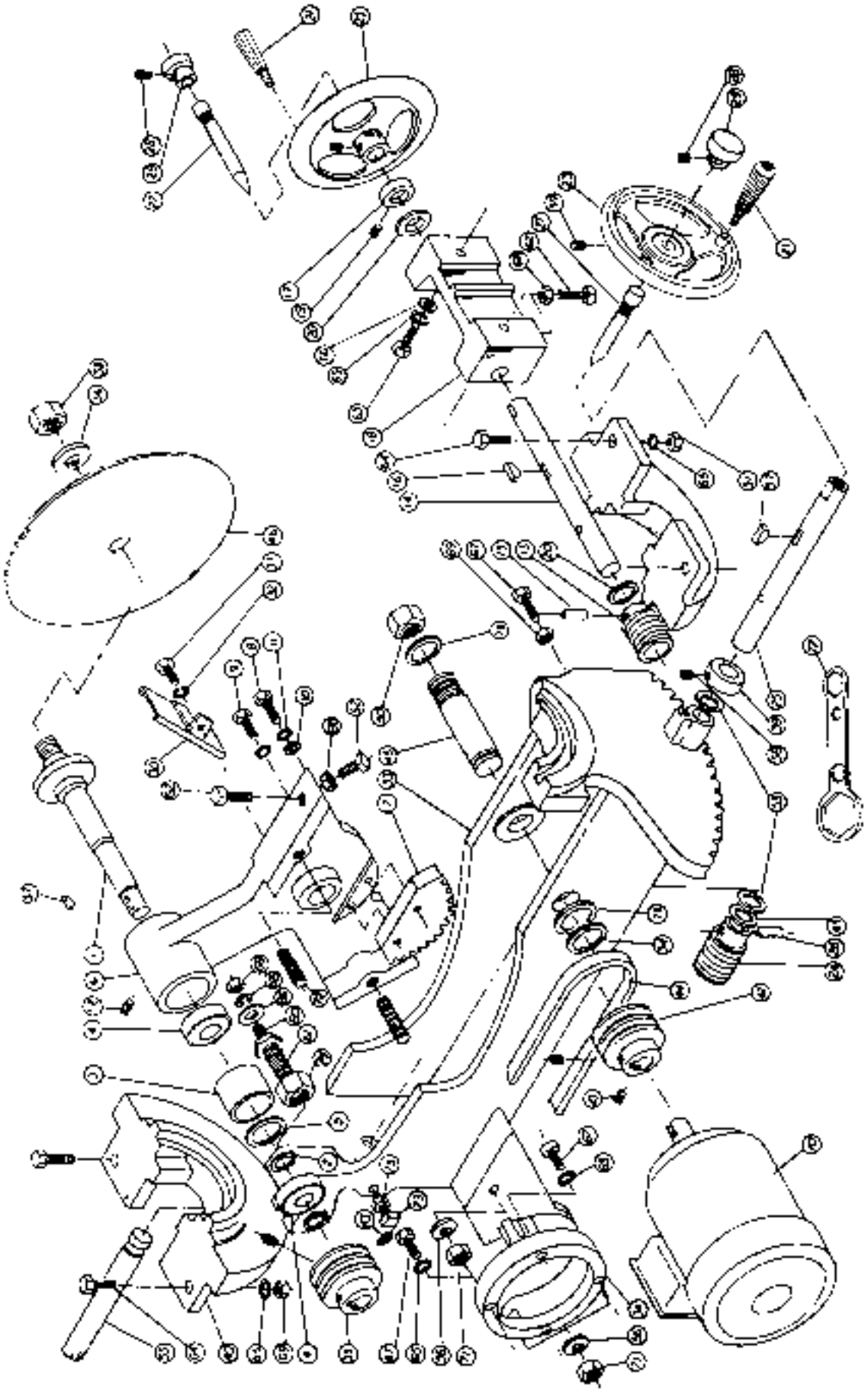
EXPLODED VIEW: STAND ASSEMBLY



PARTS LIST: TRUNNION ASSEMBLY

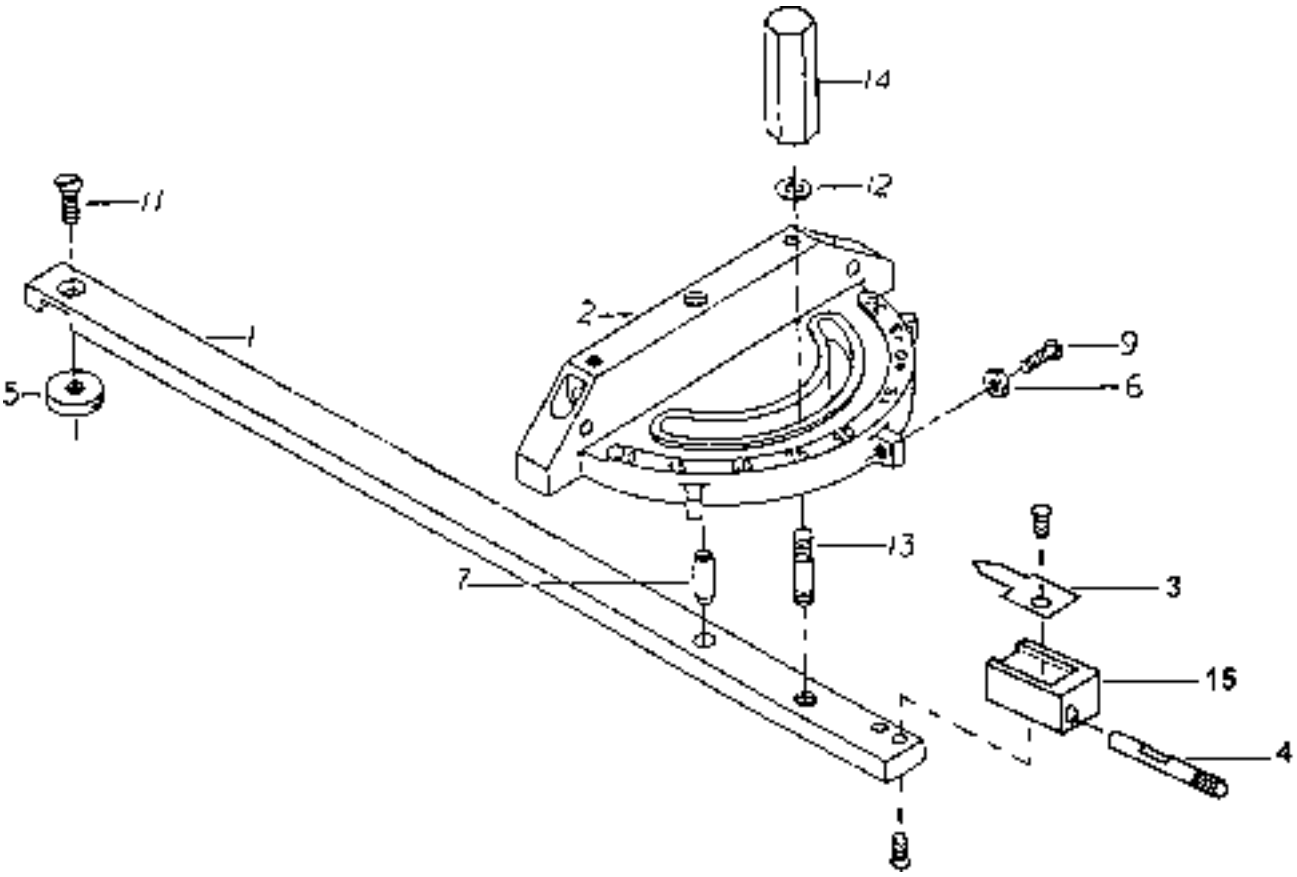
NO.	PART NO.	DESCRIPTION
	2025002	BEARING ARM ASSY., SAW RAISING (ITEMS 1 -12, 52 & 68)
	2024018	ARBOR ASSY., COMPLETE (ITEMS 1 THRU 5)
1	3700123	SHAFT
2	6670015	RING, RETAINER
3	3737214	SPACER
4	6060009	BEARING, BALL
5	6863004	WASHER, WAVIE SPRING
6	3025042	ARM, BEARING
7	3237010	GEAR, SEGMENT
8	6716032	SCR. HEX HD CAP 3/8"-16 x 1-1/2"
9	6716035	SCREW, HEX HD 3/8"-16 x1-3/4"
10	6861301	WASHER, FLAT 3/8"
11	6861300	WASHER LOCK 3/8"
12	6716009	SCR. SOC SET SCR 3/8"-16 x 1/2"
	2701001	SHAFT ASSY., SAW TILTING (ITEMS 13 THRU 20)
	2865001	WORM ASSY., SAW TILTING (ITEMS 13 THRU 15)
13	3865001	WORM
14	3701031	SHAFT, SAW TILTING
15	6626031	PIN SPRING 3/16" x 1-1/8"
16	6420002	KEY, WOODRUFF
17	3096244	COLLAR, LOCK SHAFT
18	3065006	BRACKET, SAW TILT
19	6715016	SCR. CUP PT. SOC. SET 5/16"-18 x 5/16"
20	6861901	WASHER, WHITE NYLON
	2271008	HANDWHEEL ASSY. (ITEMS 21 THRU 23)
21	6350032	HANDLE ASSY.
23	3271039	HANDWHEEL 8"
	2865002	WORM ASSY., SHAFT (ITEMS 24 THRU 26)
24	3865001	WORM
25	3701032	SHAFT, SAW RAISING
26	6626031	PIN, SPRING 3/16" x 1- 1/8"
	2695004	LOCKING ASSY., SCREW (ITEMS 27 THRU 29)
27	3582009	LOCK PIN, SAW RAISING
28	6760078	SCREW SOC SET 10/32" x 3/8"
29	3406018	KNOB
30	2087001	DUST CHUTE ASSY WELDMEN.
31	6715033	SCREW, HEX HD 5/16"-18 x 1/2"
32	6861200	WASHER, LOCK 5/16"
33	3810018	TRUNNION, CENTER
34	3480015	MOUNT, MOTOR
35	6807132	SHEAVE ARBOR 2 GROOVE
36	3838006	COLLAR
37	3844204	WASHER, SPACER 3/8" x 7/8" x .141
38	3530006	NUT, SAW BLADE RETAINING 5/8"-12
39	3096244	COLLAR SHAFT
40	3810023	TRUNNION FRONT & REAR
41	3735075	SPACER
42	6807133	SHEAVE, MOTOR 2 GROOVE
43	6715013	SCR SOC SET 5/16"-18 x 3/8"
44	6077225	BELT (2 REQD.)
45	3711005	SHAFT, SAW ARM PIVOT
46	6080043	BLADE REG RIP SAW 5/8" BORE
50	6578003	NUT, FLEXLOC SELF LOCKING HEX
51	6516001	NUT, HEX 3/8"-16
52	6716039	SCREW HEX HD. 3/8"-16 x 1-1/4"
53	6861901	WASHER, WHITE NYLON
54	6670092	RING RETAINER, EXTERNAL 5107-112
55	3700090	SHAFT, SPLITTER SUPPORT
56	6861501	WASHER 1/2" FLAT
57	6420002	KEY WOODRUFF
58	6715016	SCR, SOC SET 5/16"-18 x 5/16"
59	6715015	SCREW, SOC SET 5/16"-18 x 1/4"
	2690057	SCREW ASSY., SPLITTER ADJ. (ITEMS 60 & 61)
60	6716195	SCR., SOC SET 3/8"-16 x 1-1/2"
61	3690232	SCREW, ADJ. 3/4"-16 x 1-1/2"
62	6716079	SCREW, SQ. HD. 3/8"-16 x 1
63	6716039	SCREW, HEX HD. 3/8"-16 x 1-1/4"
64	6716035	SCREW, HEX HD 3/8"-16 x 1-3/4"
65	6861300	WASHER LOCK 3/8"
66	6861301	WASHER FLAT 3/8"
67	6716031	SCREW, HEX HD 3/8"-16 x 1
68	6516009	NUT JAM HEX, 3/8"-16
69	6516001	NUT HEX 3/8"-16
70	6472028	MOTOR, ELEC 3 HP, 1 PH, 3600 RPM, 230V, 145 TC FRAME
	6471720	MOTOR, ELEC 2 HP, 3 PH, 3600 RPM, 230/460V, 145 TC FRAME
	6471723	MOTOR, ELEC 2 HP,1 PH, 3600 RPM, 115/230V, 145 TC FRAME
	6472025	MOTOR, ELEC 3 HP, 3 PH, 3600 RPM, 230/460V, 145 TC FRAME
	6472335	MOTOR, ELEC 5HP 1PH, 3600 RPM 230V, 184C FRAME
	6472024	MOTOR, ELEC 3HP 3PH, 3600 RPM 200V, 147TC FRAME
	6472307	MOTOR, ELEC 5HP 3PH 3600 RPM 230/460V, 184C FRAME
71	6518001	NUT, HEX 1/2"-13
72	3773325	STUD 1/2"-13 x 2-5/8" DLB END
73	6716082	SCREW, SQ. HD. 3/8"-16 x 2-1/2"
74	6572005	HEX JAM NUT 3/4"- 16
75	6516001	NUT, HEX 3/8"- 16
77	3868004	WRENCH, ARBOR
78	6811327	SPACER

EXPLODED VIEW: TRUNNION ASSEMBLY



PARTS LIST: MITRE GAUGE

NO.	PART NO.	DESCRIPTION
	2471015	MITRE GAUGE ASSY. (ITEMS 1 THRU 14)
1	3044053	BAR, MITRE GAUGE
2	3230038	GAUGE, MITRE
3	3604035	POINTER, MITRE GAUGE
4	3585221	PIN, STOP
5	3841202	WASHER, MITRE GAUGE BAR
6	6506001	NUT, HEX NO. 6-32
7	6623012	PIN, DOWEL 1/4" x 1
9	6706015	SCR FILL. HD. MACH 6-32 x 5/8"
11	6714053	CAP SCR, FLAT HD 1/4"-20 x 3/8"
12	6861101	WASHER, FLAT PLAIN 1/4"
13	3695221	SCREW, LOCKING 1/4" x 3-3/8"
14	3268050	KNOB, MITRE GAUGE HANDLE
15	3055435	BLOCK, POINTER

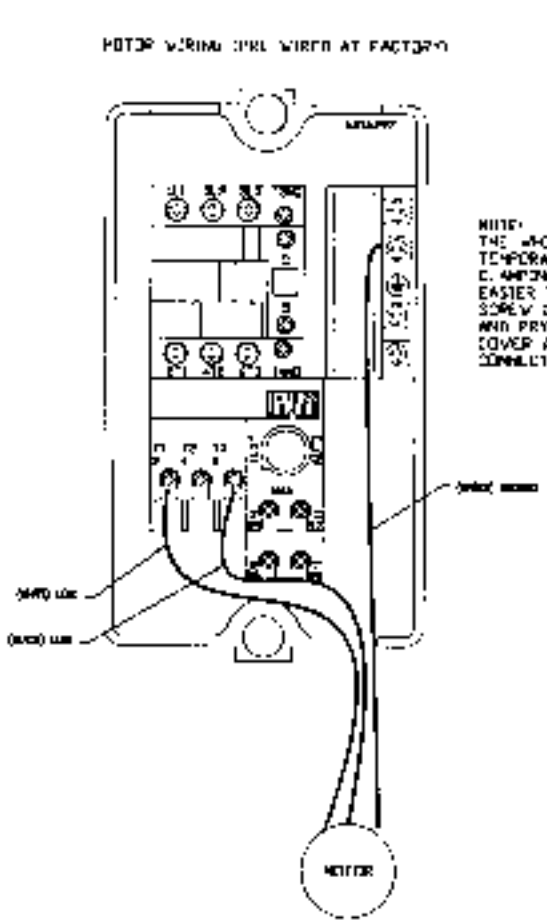


OPTIONAL ACCESSORIES

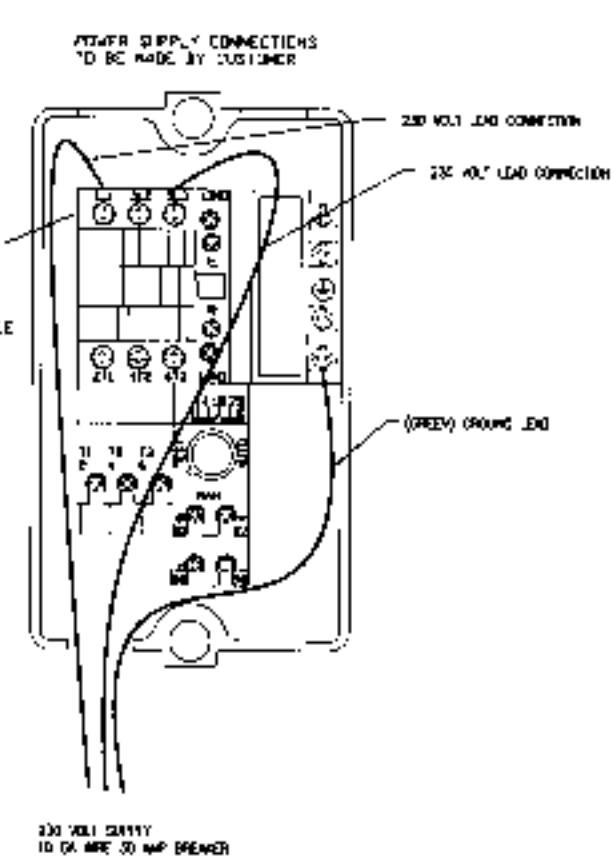
2028085	Scoring Saw attachment retrofit kit.
2042335	Mobile base extended for Model 66 Saw (closed stand).
2042336	Mobile base standard (fits saw stand only).
2042342	Mobile base open bottom for Model 66 Saw (open stand).
2042372	Mobile base with 30" fence with Rout-R-Lift.
2195042	Accu-Fence and rail system for ripping 50" to right and 12" to left of saw blade.
2195047	Accu-Fence - fence assembly only - no rails for Model 66.
2195049	Accu-Fence and rail system for Model 66 w/sliding table.
2195063	Accu-Fence and rail system for ripping 30" to right and 12" to left of saw blade.
2250116	Blade guard and Splitter Assembly. Wt. 10 lbs. (4.5 kg)**.**
2328001	Table Insert.
2328002	Dado Insert Plate for 8" dado head. Wt. 1 lb. (.45 kg).
2389003	Cast Iron Extension including support leg, for ripping 49" (1244.6 mm) to right of saw. Wt. 170 lbs (77.1 kg).
2402005	Replacement side panel kit for Model 66 Accu-Fence
2440020	Rear Lock Assembly for Accu-Fence.
2471015	Miter Gauge. Wt. 4 lbs. (1.8kg).
3104663	Motor cover.
3104667	Motor cover of serial # 95662522 and up
3186008	8" (203.2 mm) Cast Iron Extension Wing.
6080143	Blade 28 tooth carbide tip.
6080144	Blade 50 tooth carbide tip.
6080148	Blade 40 tooth carbide tip.
6253118	Sliding Table Retrofit Kit, 50" crosscut capacity.
6284600	Tenoning Jig.
6400010	Zero Clearance Insert.
6441000	Set of 2 legs for 6827028 table.
6682004	Rout-R-Lift.
6827028	Formica topped table for 50" capacity T-square system.
6827031	Table 28" x 35-3/8" with Rout-R-Lift hole for model 66 saw.
6827032	Table 28" x 24" with Rout-R-Lift hole for model 66 saw.

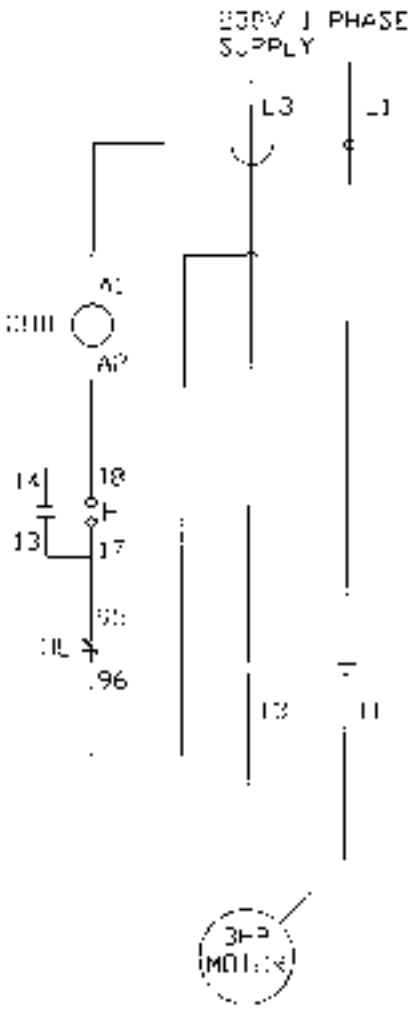
FOR NHD ELECTRICALS ONLY
(3HP SINGLE PHASE 230 VOLT)

6816282



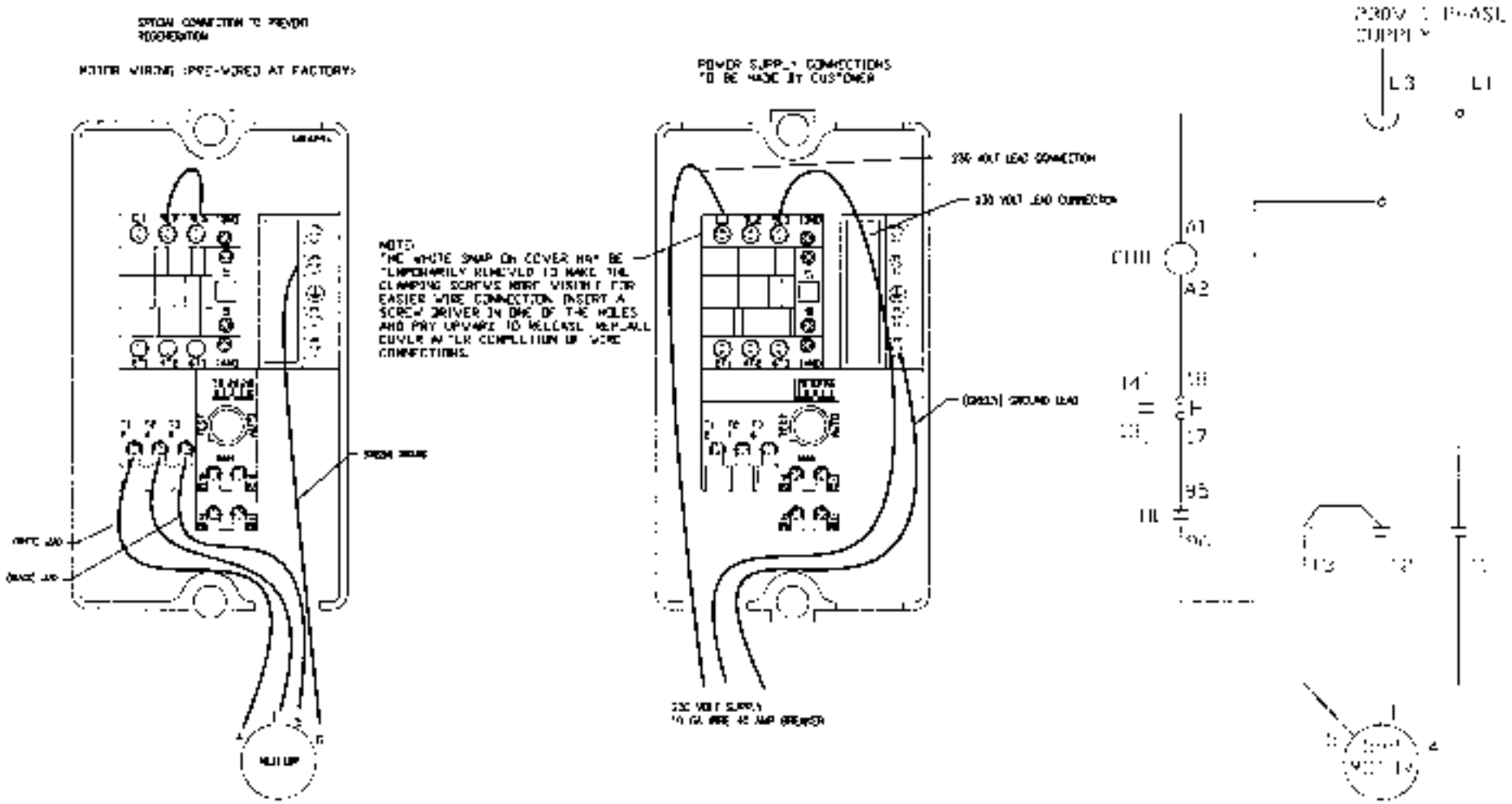
NOTE:
THE ARCTE SNAP ON COVER MAY BE TEMPORARILY REMOVED TO MAKE THE CLAMPING SCREWS MORE VISIBLE FOR EASIER WIRE CONNECTION. INSERT A SCREW DRIVER IN ONE OF THE HOLES AND PRY UPWARD TO RELEASE. REPLACE COVER AFTER COMPLETION OF WIRE CONNECTIONS.





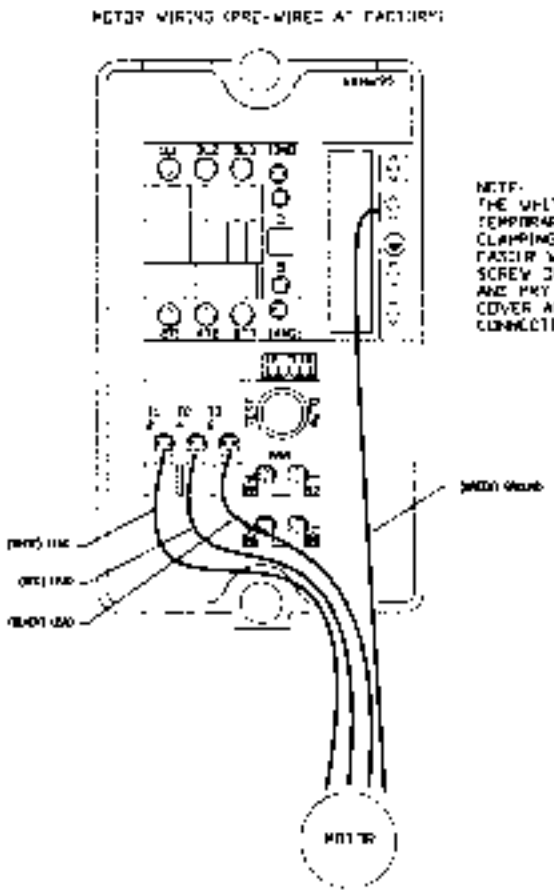
FOR NHD ELECTRICALS ONLY
(5IIP SINGLE PHASE 230 VOLT)

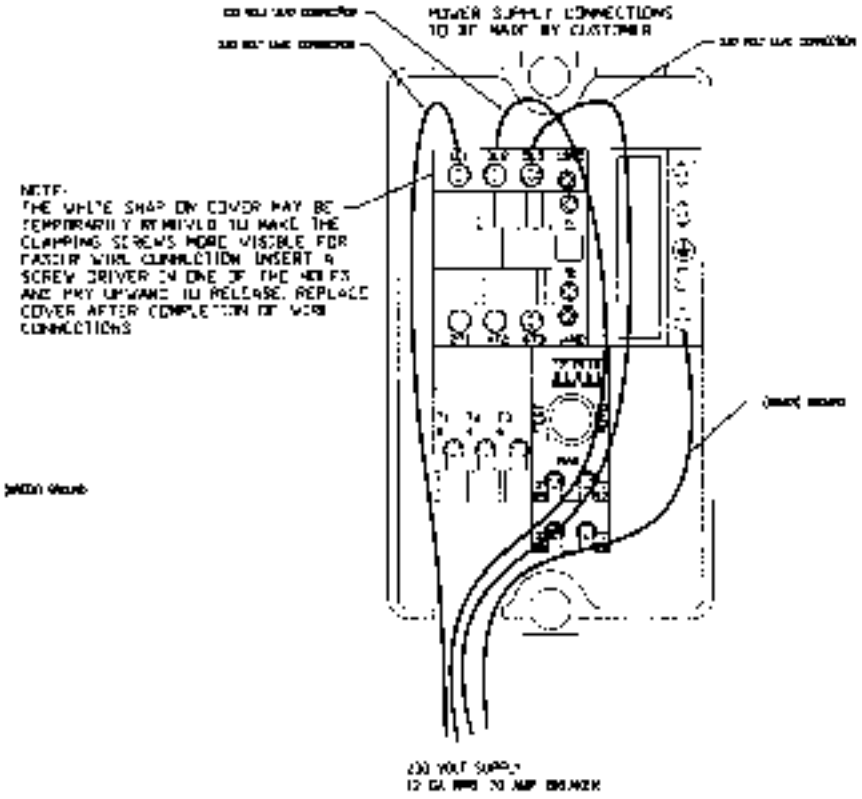
6816294

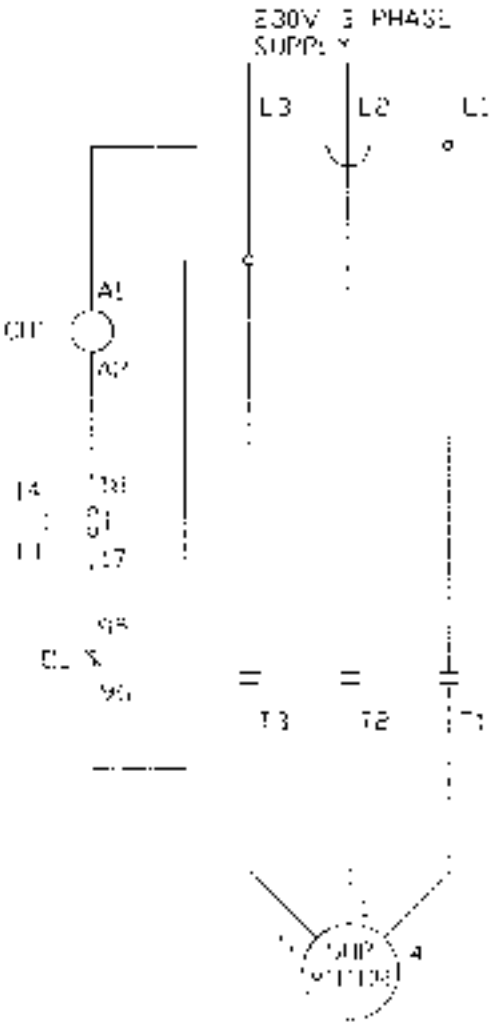


FOR NHD ELECTRICALS ONLY
(5HP THREE PHASE 230 VOLT)

6816295

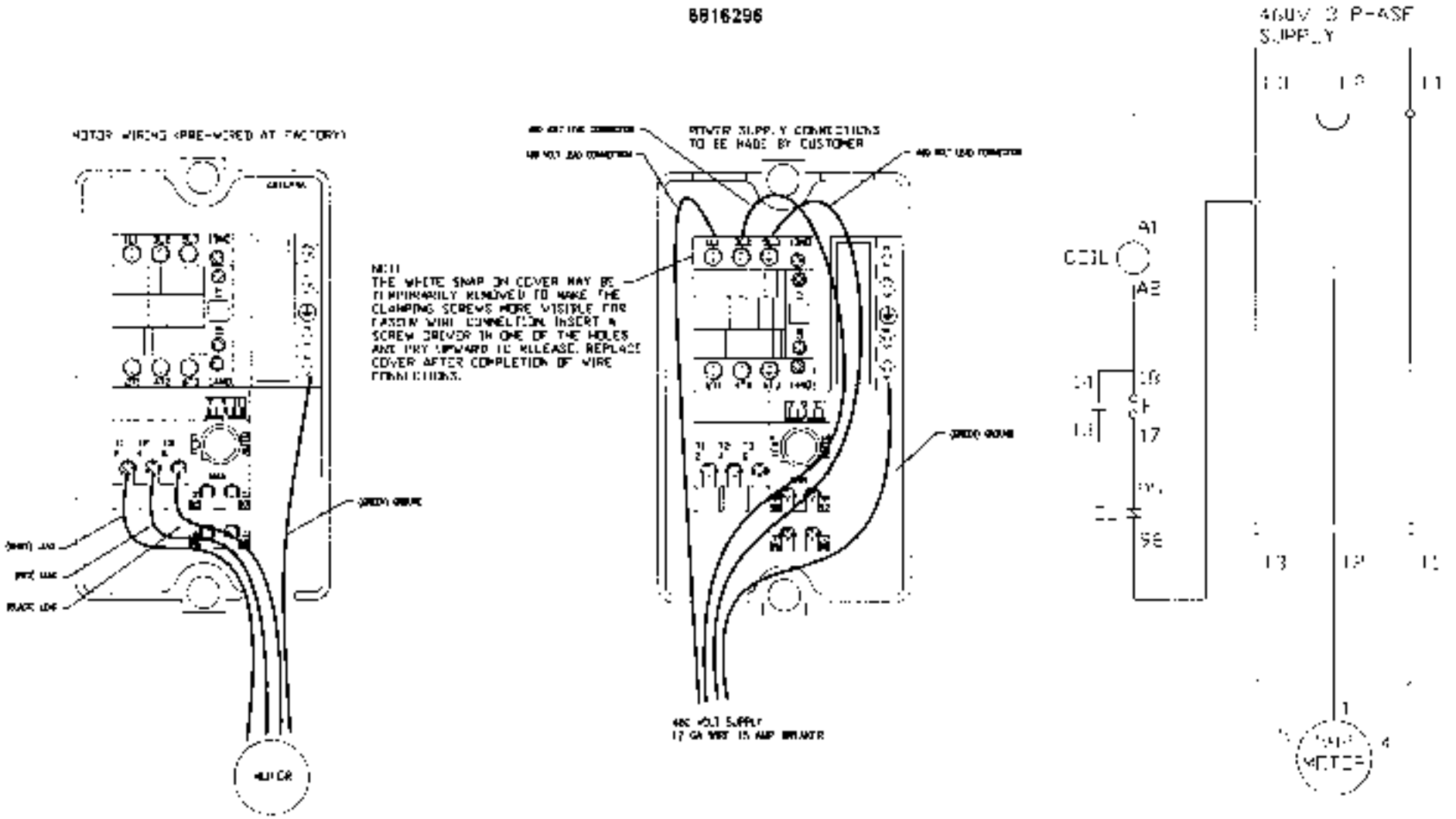






FOR NHD ELECTRICALS ONLY
(5HP THREE PHASE 460 VOLT)

8816296



To order parts or reach our service department, please call our toll-free number between 8:00 a.m. and 4:30 p.m. (CST), Monday through Friday. Having the Model Number and Serial Number of your machine available when you call will allow us to serve you quickly and accurately. Locating the EDP number of the part(s) required from your parts manual will also expedite your order.

Phone No.: (800) 248-0144
Fax No. (800) 274-6840
If you are calling from Canada, please call 800-238-4746

E-mail: powermatic@powermatic.com
Website: www.powermatic.com

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