POWERMATIC®

WMH | TOOL GROUP

Operating Instructions and Parts Manual

Horizontal Panel Saw

Model HPS126

WMH TOOL GROUP

2420 Vantage Drive
Elgin, Illinois 60123
Ph.: 800-274-6848
www.wmhtoolgroup.com

Part No. M-0460274
Revision B 12/03

This manual has been prepared for the owner and operators of a Powermatic Model HPS126 Horizontal Panel 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 panel saw, and to aid in using the machine safely, read this manual thoroughly and follow all instructions carefully.

Warranty & Service

WMH Tool 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 WMH Tool Group Repair Stations can authorize warranty repair, assist you in obtaining parts, or perform routine maintenance and major repair on your JET, Performax, Powermatic or Wilton tools.

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

More Information

WMH Tool Group is consistently adding new products to the line. For complete, up-to-date product information, check with your local WMH Tool Group distributor or visit wmhtoolgroup.com.

Limited Warranty

WMH Tool Group (including JET, Performax, Powermatic and Wilton brands) makes every effort to assure that its products meet high quality and durability standards and warrants to the original retail consumer/purchaser of our products that each product be free from defects in materials and workmanship as follows: 1 YEAR LIMITED WARRANTY ON ALL PRODUCTS UNLESS SPECIFIED OTHERWISE. This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence or accidents, normal wear-and-tear, repair or alterations outside our facilities, or to a lack of maintenance.

WMH TOOL GROUP LIMITS ALL IMPLIED WARRANTIES TO THE PERIOD SPECIFIED ABOVE, FROM THE DATE THE PRODUCT WAS PURCHASED AT RETAIL. EXCEPT AS STATED HEREIN, ANY IMPLIED WARRANTIES OR MERCHANTIBILITY AND FITNESS ARE EXCLUDED. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG THE IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. WMH TOOL GROUP SHALL IN NO EVENT BE LIABLE FOR DEATH, INJURIES TO PERSONS OR PROPERTY, OR FOR INCIDENTAL, CONTINGENT, SPECIAL, OR CONSEQUENTIAL DAMAGES ARISING FROM THE USE OF OUR PRODUCTS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

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, WMH Tool Group 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. WMH Tool Group will return repaired product or replacement at our expense, but if it is determined there is no defect, or that the defect resulted from causes not within the scope of our 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.

WMH Tool Group sells through distributors only. WMH Tool Group reserves the right to effect at any time, without prior notice, those alterations to parts, fittings, and accessory equipment which they may deem necessary for any reason whatsoever.

TABLE OF CONTENTS

⚠ SAFETY RULES

As with all machines, there is a certain amount of hazard involved with the use of this panel 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 machine.

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 only impact-resistant, they 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.

Avoid accidental starting: Make certain motor switch is in off position before connecting power to the planer.

Operator position. Maintain a balanced stance and keep your body under control at all times. Do not overreach. 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.

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.

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.

Saw blade rotation: Be sure the main saw blade rotates clockwise when viewed from the front (operator's side). The scoring blade should rotate counterclockwise when viewed from the front.

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.

Machine adjustments: Make all machine adjustments with power off except feed rate.

Job completion. If the operator leaves the machine area for any reason, he should turn "off" the power to the 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 saw and the work area. NEVER clean the 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 warranty and guarantee is null and void.

Misuse. Do not use this Powermatic panel 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.

If you are not thoroughly familiar with the operation of panel 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).

SPECIFICATIONS: HPS126 Horizontal Panel Saw

Stock number	1791288K
Main motor	7.5 HP, 3Ph, 230V
Blade speed	3000, 4000, 5000 RPM
Blade size	12-16” (300-400 mm)
Arbor size	30 mm
Dado size (width x bore)	13/16” x 5/8”
Cutting depth	5” (125 mm)
Scoring motor	3/4 HP
Scoring blade size	100 to 120 mm
Scoring blade arbor	20 mm
Scoring blade speed	7000 RPM
Sliding table carriage width	16-1/2” (420 mm)
Sliding table carriage stroke	126" (3200 mm)
Rip capacity	54” (1380 mm)
Main and scoring blade tilt	90 to 45 degrees
Main table size cast iron	27-1/2” x 35” (940 x 508 mm)
Right side extension table	31” x 18” (790 x 460 mm)
Rear extension table size	28” x 25” (710 x 635 mm)
Working table height	34” (860 mm)
Crosscut table size	57” x 21” (1450 x 530 mm)
Crosscut fence size with extension	117” (2970 mm)
Mitre Fence length with flip stop, clamp	47” (1200 mm)
Overall size	140” x 54” x 126” (3555 x 1370 x 3200 mm)
Dust collection ports (two)	4” (100 mm)
Gross weight	2640 lbs. (1200 kg.)
Net weight	2530 lbs. (1150 kg.)
Noise emission (per ISO norm 7960)	91 dB (max. value 130 dB)

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.

MACHINE DIMENSIONS (HPS126 Horizontal Panel Saw)

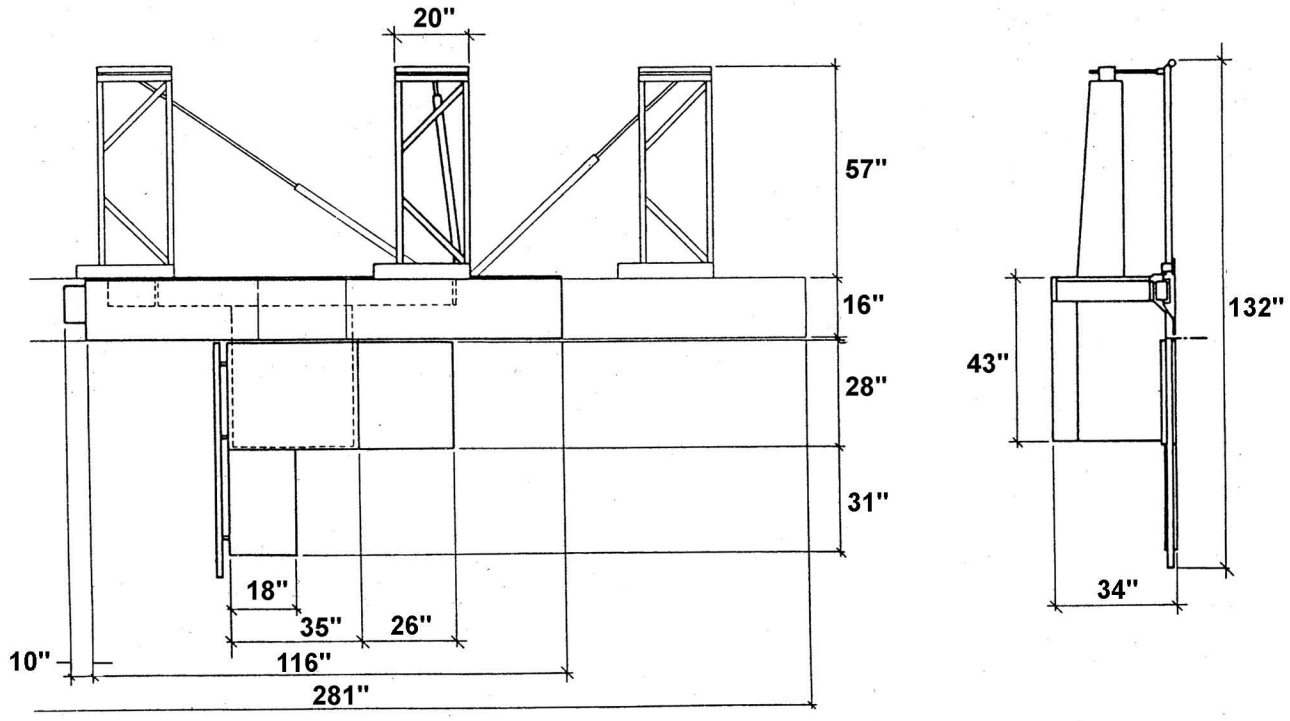


FIGURE 2

FEATURES of the HPS126 Horizontal Panel Saw

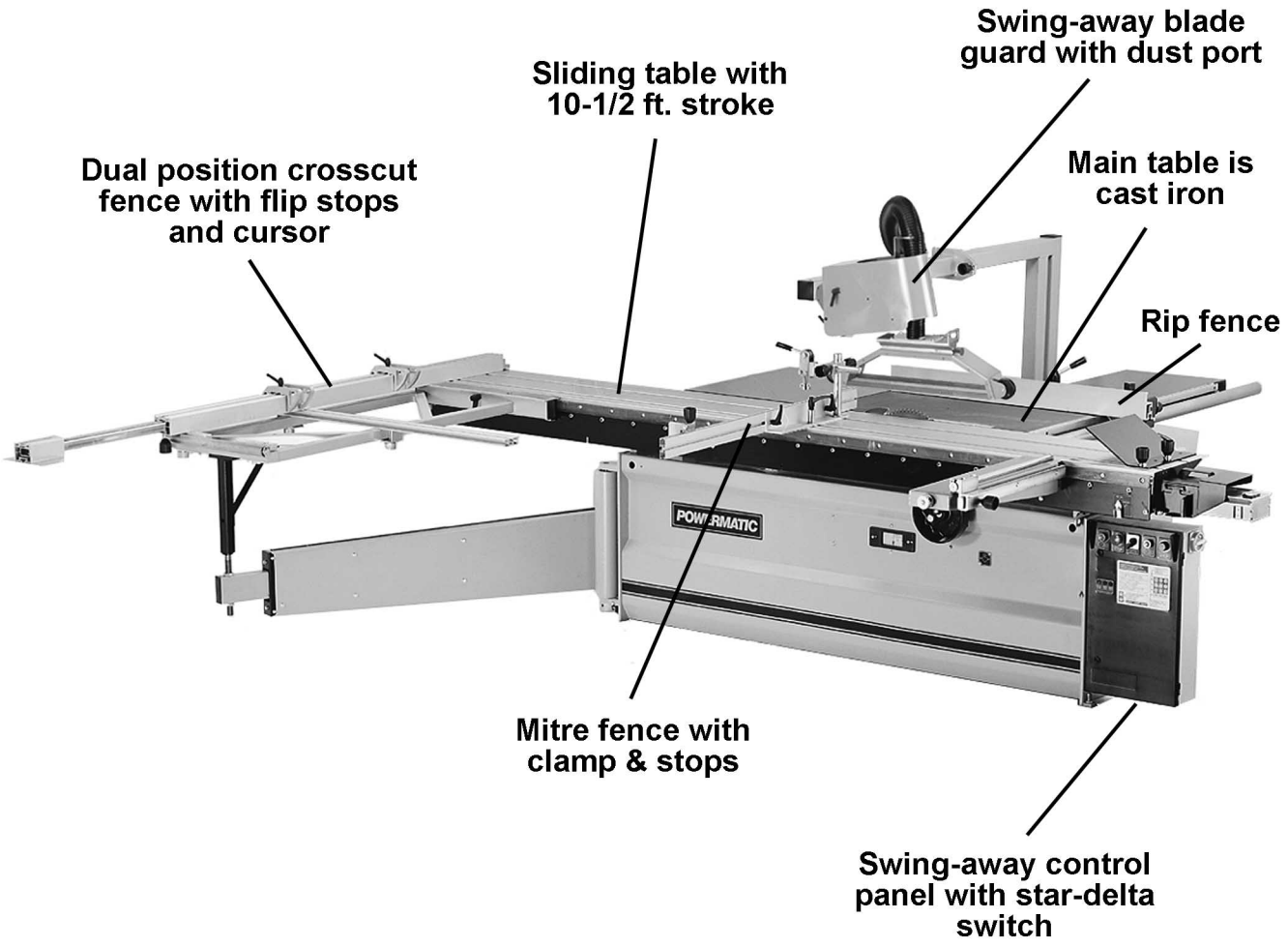


FIGURE 3

RECEIVING

Remove crate from around machine and check for shipping damage. Report any damage immediately to your distributor. Read the instruction manual thoroughly for assembly, alignment, maintenance and safety instructions.

Contents of crates:

crate #1: 1 saw body
1 warranty card
1 manual

crate #2: 1 sliding table
1 crosscut fence
1 crosscut table
1 overarm
1 guard assembly
1 rip fence assembly
1 large work stop
3 arbor wrenches
1 stxeel pin
1 mitre fence assembly

Unpainted surfaces, such as the cast iron table, have been given a protective coating at the factory. This should be removed with a soft rag moistened with a good commercial solvent. Do not use acetone, lacquer thinner, gasoline or any flammable solvents. Do not use an abrasive pad.

INSTALLATION & ASSEMBLY

Tools needed

forklift or hoist, with slings and steel rods
3 arbor wrenches (provided)
1 steel pin (provided)

1. Place steel rods (A-Fig. 4) through the three holes in the machine frame. The machine can then be lifted off the pallet with hoist or forklift, by using slings passed under the rods. When the machine is sitting on the ground, it can be lifted by removing the bottom cover plate and sliding forks under the two openings (B-Fig. 4).

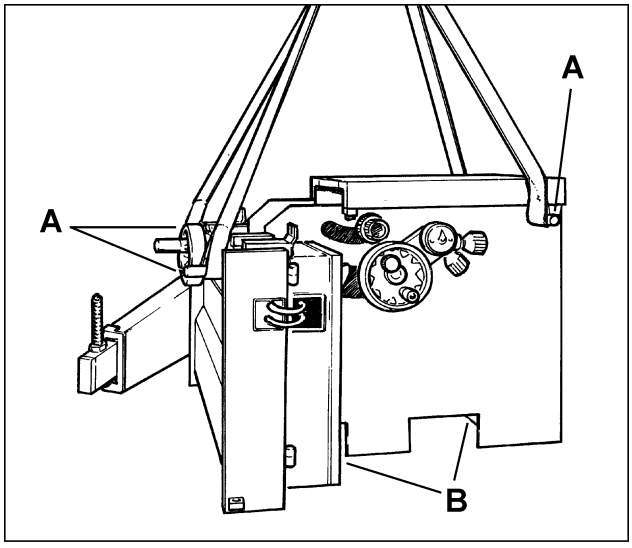


FIGURE 4

2. When the machine has been placed in the intended location, it must be leveled in both directions to ensure smooth motion of the sliding table. Two leveling bolts must be inserted at the bottom of the frame before the machine is placed on the floor – one bolt under the pivot of the telescopic arm, and the other bolt under the electrical control panel. See Figure 5. These bolts must be positioned with bolt head upside down.

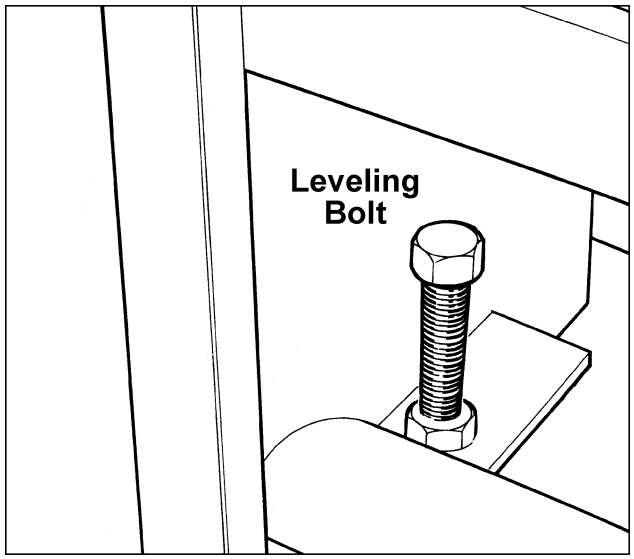


FIGURE 5

ELECTRICAL CONNECTIONS

WARNING: Electrical connections must be performed by a qualified electrician. The machine must be properly grounded to help prevent electrical shock and possible death.

1. Make sure the voltage of the machine corresponds with the voltage of your power supply.

2. Remove the electrical control panel cover with a hex wrench and introduce the cable, shown in Figure 6.

3. Connect the three wires to the terminals L1, L2, L3. See Figure 7. If there is a neutral conductor (blue) it must be connected to the terminal N. Connect the ground wire (green) to the terminal marked with the ground symbol PE.

4. Turn on the main saw motor [see "Starting the Machine"] and check that the blade arbor rotates clockwise (as viewed from front of machine). If it does not, turn motor off, disconnect from power source, and exchange wires L1 and L2.

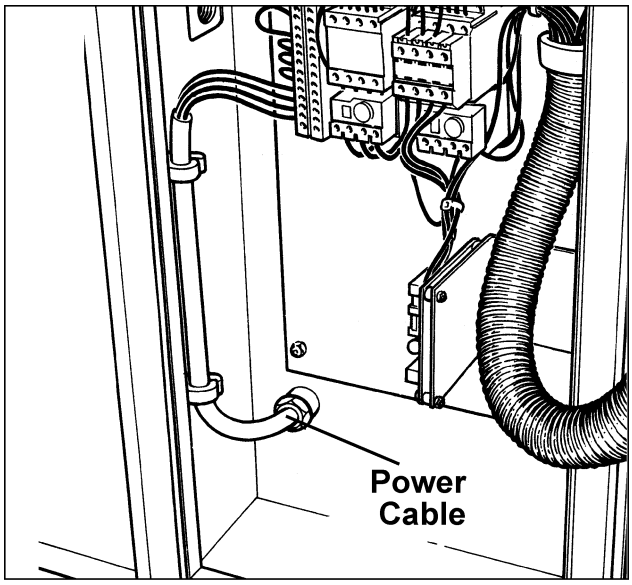


FIGURE 6

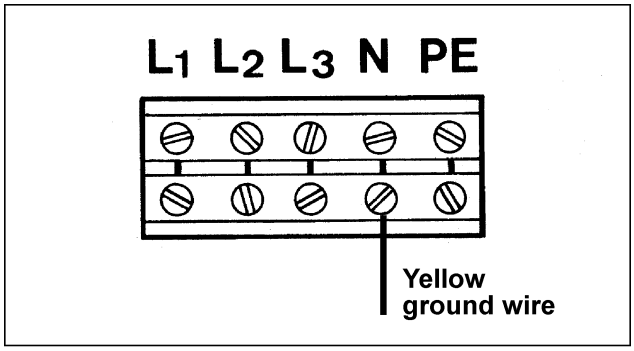


FIGURE 7

INSTALLING SLIDING TABLE

The position of the sliding table relative to the machine is factory set; after mounting it, no adjustment should be necessary.

1. Disconnect machine from power source.

2. Use a hoist or forklift with slings to lift the sliding table from its crate. Place the sliding table on to the frame with the two lateral adjustment bolts (A-Fig. 8) in the two lugs placed at the front of the frame.

3. Place the four socket head cap screws (B-Fig.8) into the lower section of the sliding table. NOTE: Prevent the table from flipping over when sliding away the upper section of the sliding table.
4. Tighten firmly the four socket head cap screws (B-Fig. 8).

5. The eight small height-adjustment bolts (C- Fig. 8) are pre-set at the factory.

To ensure a clean and straight cut, the sliding table must be set parallel to the blade. Proceed as follows:

6. Unlock the four socket head cap screws (B-Fig.8) and adjust with one of the two parallel adjustment bolts (A-Fig. 8).

7. Tighten the four cap screws (B-Fig. 8).

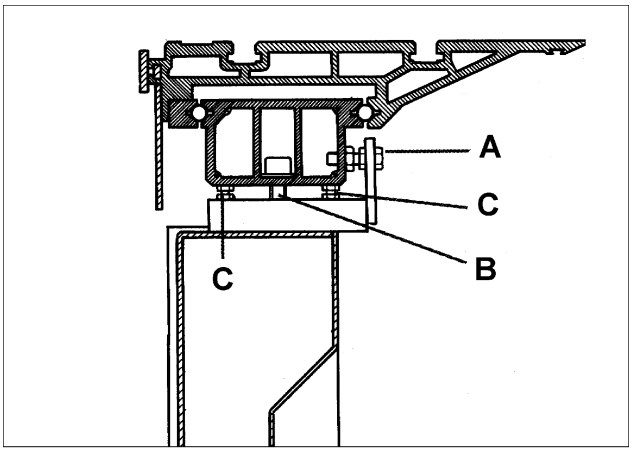


FIGURE 8

INSTALLING / REPLACING MAIN BLADE

CAUTION: Use care when working with and around sharp saw blades. Use only carbide tip saw blades, not high speed steel blades.

1. Disconnect machine from power source.

2. Move the sliding table completely to the left, out of the way of the blade area.

3. Release the two latches on the blade cover, shown in Figure 9, and open cover.

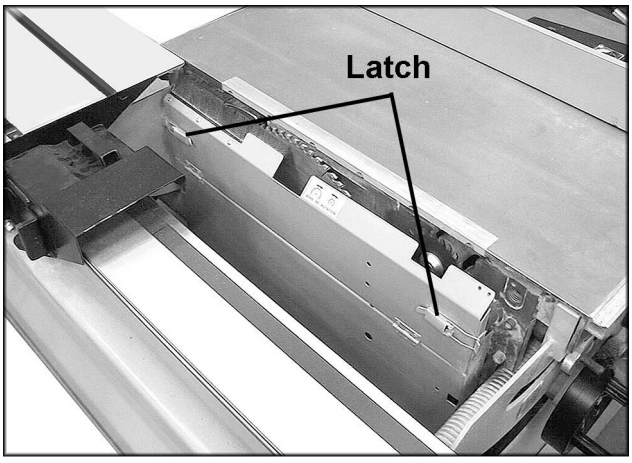


FIGURE 9

4. Raise main blade arbor to its highest position and place spanner (C-Fig. 10) over the arbor nut (A-Fig. 10).

5. Insert the steel pin (B-Fig. 10) into the hole in the cast iron table. Turn the arbor with the spanner until the steel pin (B-Fig. 10) engages the hole in the arbor pulley.

6. Remove the nut (NOTE: Left hand threads – loosen by turning clockwise) and flange.

7. Ensure new blade and flanges are clean, then mount new blade and flange, and tighten arbor nut securely. The blade and flange must slip over the two pins (Fig. 10a). This provides positive drive to the blade, and prevents the hex nut from loosening when the arbor rotation is halted by the motor brake.

WARNING: All main saw blades used on this panel saw must have two additional holes in the blade body to accomodate the pins.

8. Remove locking pin (B-Fig. 10). Close cover and secure both latches (Fig. 9).

SAFETY TIP: Tape a red rag on to the locking pin and drape it over the blade while pin is inserted. This will remind you to remove the pin before starting the saw!

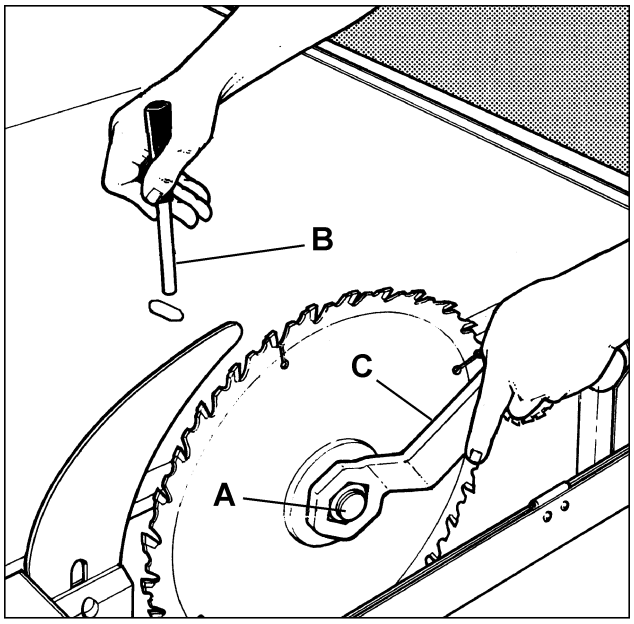


FIGURE 10

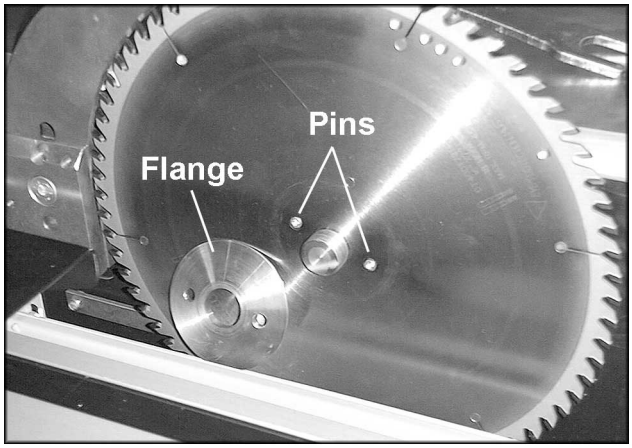


FIGURE 10a

INSTALLING / REPLACING SCORING BLADE

1. Disconnect machine from power source.

2. Tilt scoring blade arbor to the left, and place open end flat wrench (A-Fig. 11) on the flat of the arbor.

3. Remove socket head cap screw with the hex wrench (B-Fig. 11). NOTE: Left hand threads – turn clockwise to loosen.

4. Mount scoring blade and re-tighten screw while holding arbor with the flat wrench.

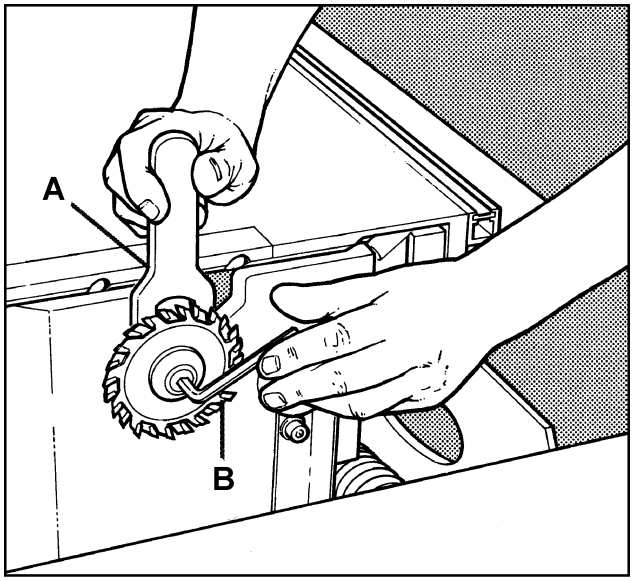


FIGURE 11

RIVING KNIFE

The panel saw is equipped with a riving knife for use with saw blades from 250 to 300mm and 350 to 400mm diameter. The riving knife (or "splitter") helps guide the cut, keeps the kerf from closing, and prevents the workpiece from being pinched by the upward running teeth at the back of the blade, thus greatly reducing the possibility of kickback.

WARNING: Do not remove the riving knife for saw operations.

The riving knife (A-Fig. 12) can be adjusted in both a vertical and horizontal direction. The highest point of the riving knife must never be more than 3mm above the highest saw tooth in the wood.
The gap between blade and knife must be a minimum of .3 mm and maximum of .8 mm evenly across the blade.
Loosen the central bolt (B-Fig. 12) and use the three adjustment screws (C-Fig. 12) for precise setting of the knife. After adjustment, always lock the central bolt (B-Fig. 12).

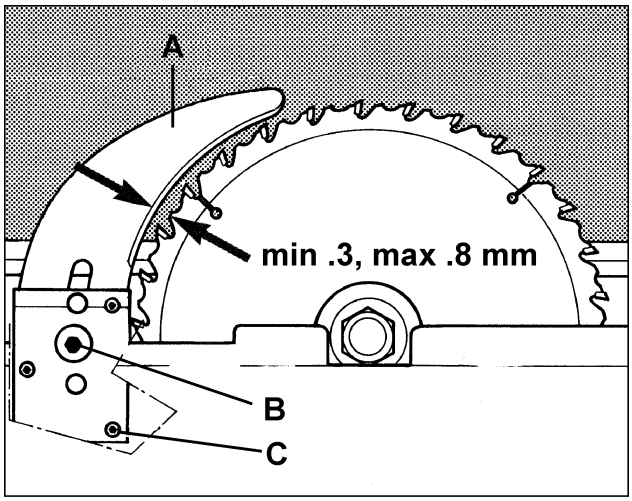


FIGURE 12

INSTALLING OVER-ARM

Mount the over-arm with four socket head cap screws to the holes on the side of the frame. Tighten screws securely.

INSTALLING BLADE GUARD

1. Mount the guard's upper piece to the over-arm as shown in Figure 13, with the two socket head cap screws through the threaded holes in the arm. The guard bracket has slots for adjustment if needed.

2. Push in the spring-loaded knob and attach the lower piece, with the wheels toward the front as shown. Release the knob to secure the lower piece.

3. The hose from a dust collection unit should be mounted as shown in Figure 13, and secured to the over-arm to keep it out of the operator's way; (plastic twist-ties work well for this).

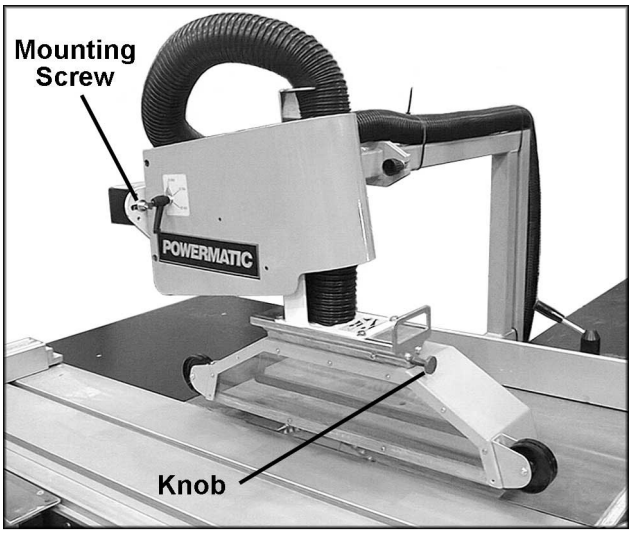


FIGURE 13

CROSSCUT TABLE

The crosscut table can be slid from the left to the center of the sliding table via the flat bar on the side of the sliding table. NOTE: The crosscut table can only move to the center of the sliding table – the telescopic arm is too short to allow it to be set at the right of the sliding table.
Both telescopic arm and cross-cut table are factory set and require no adjustment.

To install the crosscut table:

1. Place the crosscut table on to the edge of the sliding table as shown in Figure 14.

2. Position the two brackets so that the crosscut table will move easily along the sliding table

3. Lock the position of the crosscut table by tightening the handle.

NOTE: The black handles are adjustable. Simply pull up on the handle, rotate it on the fixed nut, then release.

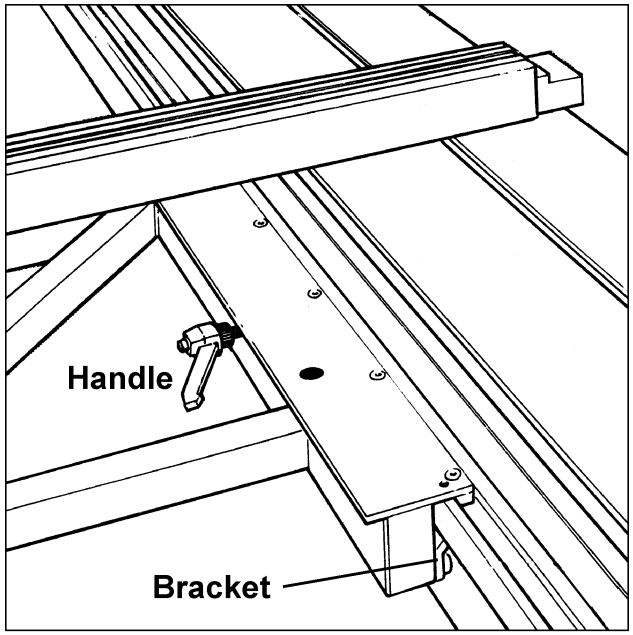


FIGURE 14

CROSSCUT FENCE

1. The crosscut table has four holes allowing the fence to be placed in two positions: at the left or right of the crosscut table. Place the fence on to the crosscut table as shown in Figure 15, and lock it in position with the two serrated handles.

2. Before operating, the scale on the crosscut fence must be calibrated. See "Adjustments."

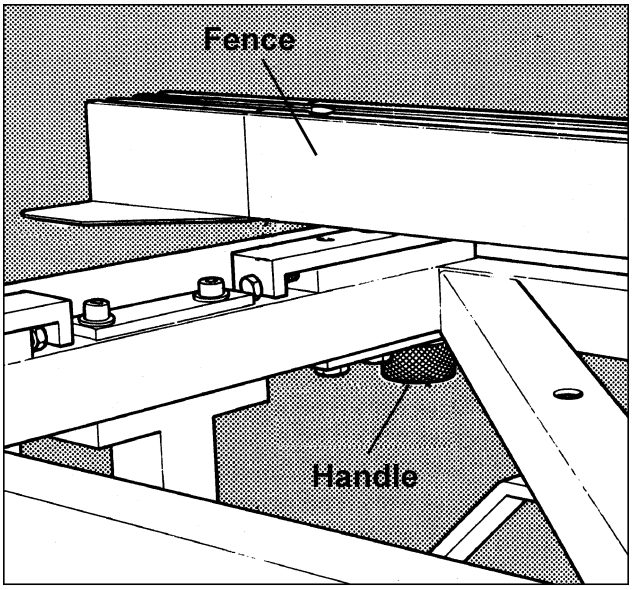


FIGURE 15

ROLLER SUPPORT

1. Mount the hinge plate (A-Fig. 16) of the roller support to the frame using the two bolts (B-Fig. 16).

2. The roller must be adjusted to the height of the saw table by loosening the knob (C-Fig. 16).

3. The entire support can be swung aside by loosening lower knob (D-Fig. 16)

4. To remove the roller support, simply lift it off its hinges.

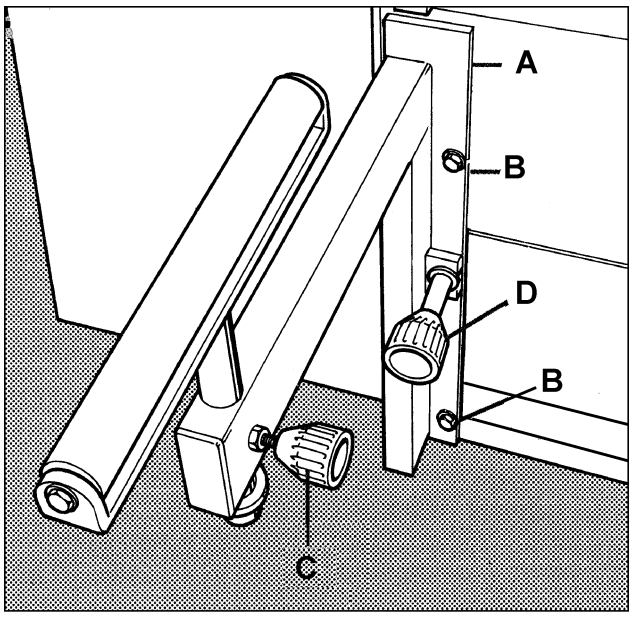


FIGURE 16

GUIDE BAR

1. Mount the scale (Fig. 17) to the edge of the cast iron table with six M6 x 16 socket head cap screws and six square nuts.

2. Mount the cylindrical steel guide bar to the edge of the cast iron table, using four M12 hex nuts and flat washers.

3. The outside edge of the guide bar along its entire length should be approximately 2-1/2" from the table, to allow for smooth movement of the fence.

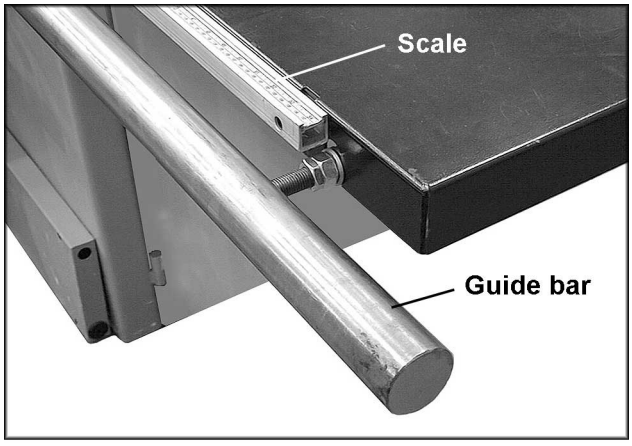


FIGURE 17

RIP FENCE

The rip fence assembly (Fig 17b) has a cast iron body with a sliding aluminum fence. Mount the body by sliding it on to the end of the guide bar while lifting the handle. Loosen the fence lock and slide the aluminum fence on to the body as shown.

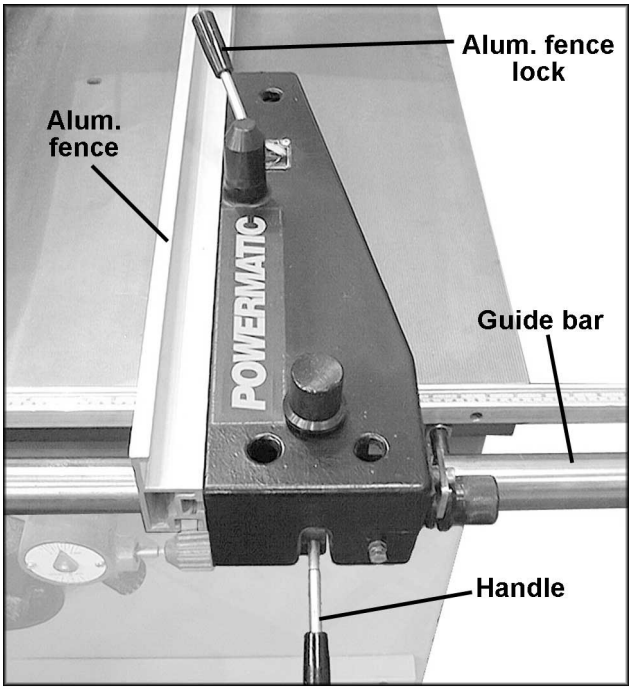


FIGURE 17b

WORK STOP

Mount the work stop to the two T-nuts in the channel of the sliding table, as shown in Figure 17c. The work stop can be slid to any spot on the table and secured by tightening the two knobs.

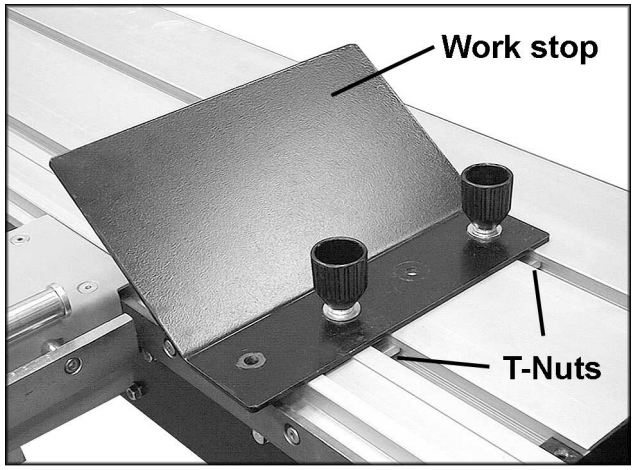


FIGURE 17c

GUIDE TABLE

Mount the guide table (Fig. 17d) onto the edge of the sliding table and secure it in place with the knurled nut.

The adjustable stock guide can be moved along the rail and secured by tightening the knob.

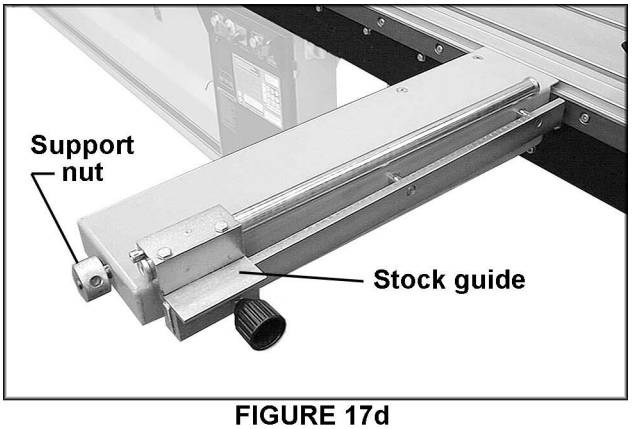


FIGURE 17d

STARTING THE MACHINE

NOTE: The machine will not start if the blade cover or the rear door is open.
Figure 18 shows the control panel and the function of the buttons. Follow this procedure to start up the panel saw in Star-Delta operation:

1 – Turn main switch to position "1".
2 – Put star-delta switch into "Y" position.
3 – Push main motor start switch.
4– After five seconds, switch star-delta to "Δ" position. (The five second delay is necessary to let the motor reach full speed before switching over to delta.)
5 – Start scoring motor (main motor must be running).
6– Push emergency stop to halt both main and scoring blades. Or push scoring motor stop button to halt only scoring motor.

CAUTION: If you forget to switch over from "Y" to "Δ", the motor will reach full speed but will have no power, and will be damaged during operations.

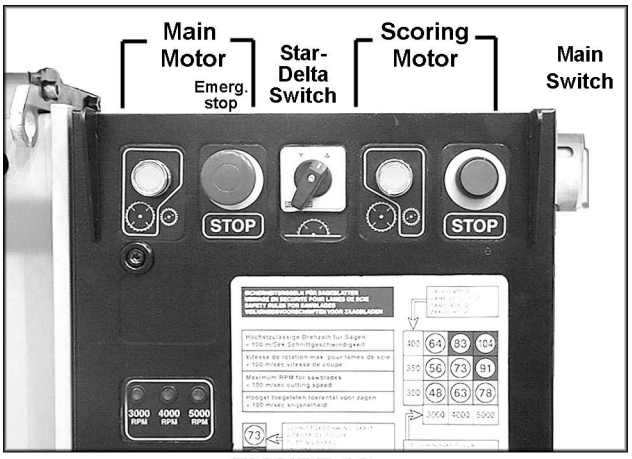


FIGURE 18

The main motor is equipped with an automatic brake which stops the motor within 10 seconds as soon as the machine is shut off.

An additional emergency stop button is located on the right side of the frame (in the rip fence area). It halts both main and scoring motors.

Fuses are located inside the electrical control panel. The machine must be disconnected from power supply when opening this panel.

This machine has overload protection on both main and scoring motors. Should the motor be shut off by one of these protectors, wait a few minutes until the overload has cooled down before restarting.

The entire control panel can be pivoted for convenience. Simply open the panel cover and release the screws securing it to the machine frame. It will now swing upon the hinges.

DUST COLLECTION

Powermatic strongly recommends connecting a dust collection system to the HPS126. The dust collector should have sufficient capacity for this size machine. Both the outlet on the blade guard (3" diameter outlet) and on the machine base (4" diameter outlet) should be connected to the dust collection system.

ADJUSTMENTS

SETTING MAIN BLADE

The controls for blade setting are shown in Figures 19 and 20.

1. Adjust the height of the main blade with the handwheel on the side of the machine (Fig. 19). One turn of the handwheel raises or lowers the blade by 3/16".

2. The blade is tilted by using handwheel on front of machine (Fig. 20). The blade can be tilted at any angle between 90 and 45 degrees. After setting, lock the blade in this position with the lock knob. The angle can be read on the indicator.

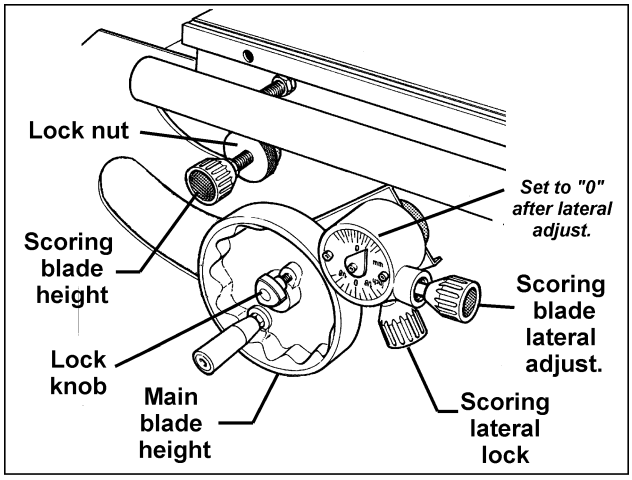


FIGURE 19

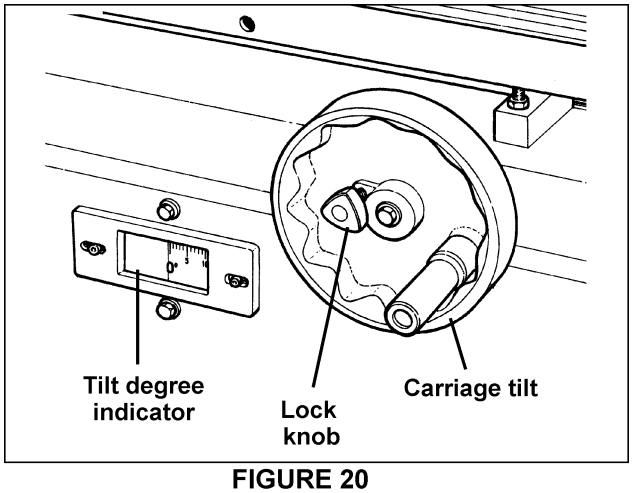


FIGURE 20

NOTE: The 90 and 45 degree stops are pre-set at the factory and should require no adjustment. Whenever the main blade has been set at the desired cutting angle, the cutting depth of the scoring blade must be re-set.

SETTING SCORING BLADE

(Figure 19 & 20)

1. Turn the scoring blade height knob. One turn raises or lowers the scoring blade by 3mm.

2. Each time the main saw blade is replaced by a new one, or the current blade has been resharpened, the scoring blade must be adjusted to match the width of the main blade teeth. This must be done to ensure a clean cut free of splintering. Lateral movement is obtained by turning the lateral adjustment knob, then locking it at the desired setting.

3. After lateral adjustment, the indicator should be set to "0".

Figures 21 and 22 show the different possibilities:

1 – Without the use of a scoring blade
2 – Correct setting of scoring blade but to deep
3 – Too much to the right side
4 – Correct setting of the scoring saw

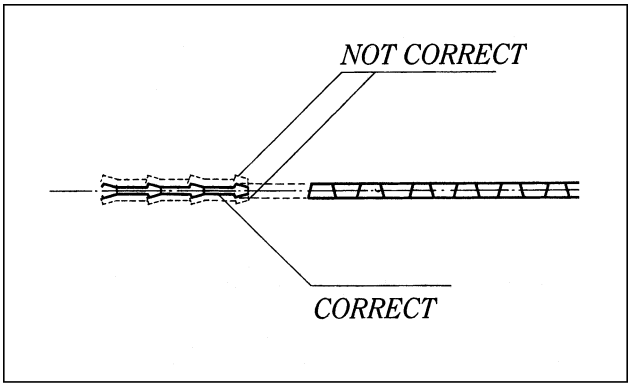


FIGURE 21

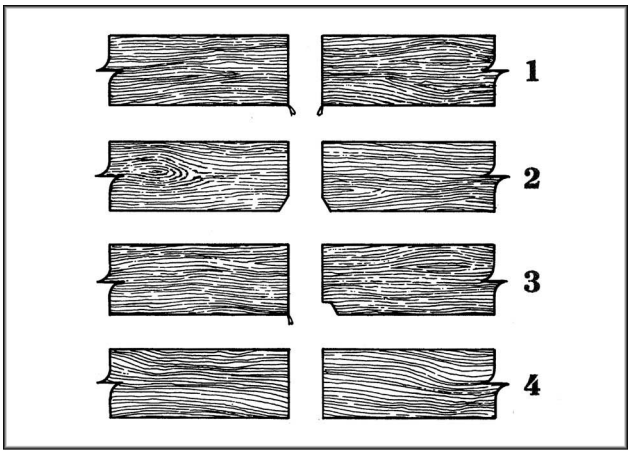


FIGURE 22

BLADE GUARD

The guard must be adjusted so that it covers both main and scoring blades, and should be adjusted in height so that the workpiece can slide under the guard.

1. Lower the guard down to the table, using the handle (Fig. 23).

2. Set front indicator according to the diameter of the blade being used (in millimeters).

3. Set side indicator according to the guard's height off the table.

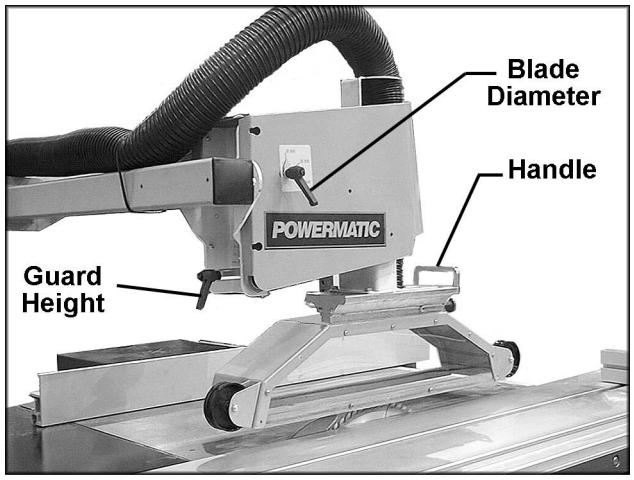


FIGURE 23

SLIDING TABLE LOCK

When loading panels and when cutting using the rip fence, the sliding table should be locked. There are two different systems to achieve this:

When loading a panel onto the sliding table, to prevent the table from sliding away from the operator:

1. Turn the indicator (Figure 24), to "B". Slide the table to the front and it will automatically lock in this position.

2. To unlock the table, pull the handle toward the right and turn indicator to "A".

If the sliding table refuses to lock properly via the indicator, it may need adjusting:

1. Behind the indicator, on the underside of the table, use a 4mm hex wrench to loosen the set screw on the collar. Compress the spring approximately one inch so it will not interfere with the indicator cam.

2. Pull sliding table all the way to the right until the sliding table locks.

3. Loosen the hex nut (Figure 24) and slowly tighten it toward the edge of the table; as the hex nut turns it pulls the locking rod. Tighten the hex nut until the table unlocks.

4. Hold indicator to position “A” and loosen the set screw on the collar so that the collar once again rests against the indicator cam. Tighten set screw.

5. Move hex nut back toward the lock handle and tighten it.

To secure the sliding table while cutting with the rip fence:

1. Pull the lever (Figure 25) and engage it in one of the three slots on the edge of the sliding table.

2. To unlock the table, push in the lever.

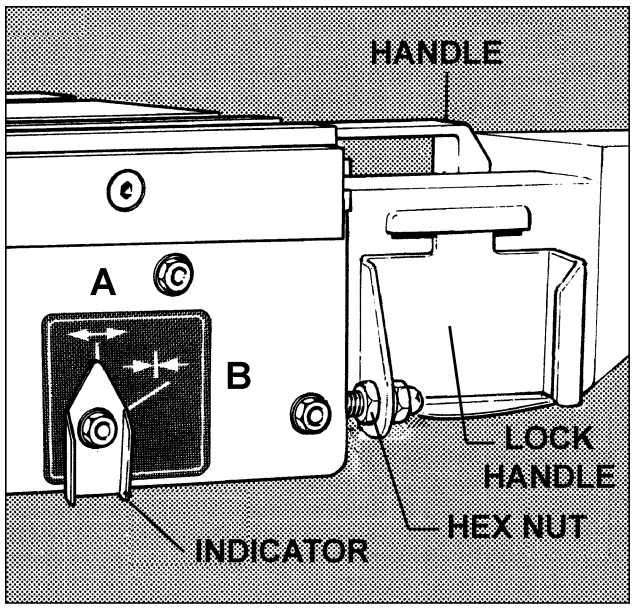


FIGURE 24

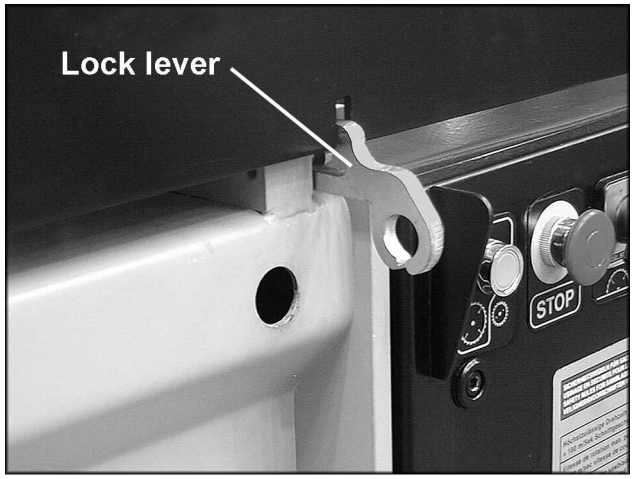


FIGURE 25

Over a long period of time, if many short movements of the sliding table are made (e.g. crosscutting solid wood) it is possible that the ball carrier between the upper and lower part of the sliding table will move. This means it will no longer be correctly positioned to allow the sliding table to slide through its full course. The operator will feel resistance in the sliding table motion and the full stroke will not be achieved.
This effect can be corrected simply by pushing the table with a few short, light pushes against the buffer stop at the end, until the position of the ball carrier is adjusted and the table can be moved again along its full stroke.

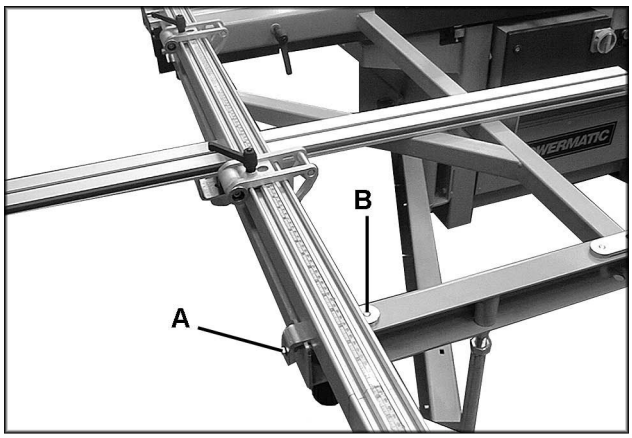


FIGURE 26

CROSSCUT FENCE

The 90 degree angle of the crosscut fence is factory set. However, should adjustment ever be needed, proceed as follows:

1. Loosen the two bolts (A-Fig. 26).

2. Turn bolt (B-Fig. 26) to open or close the angle of the fence in relation to the saw blade.

3. Re-tighten bolts (A-Fig. 26).

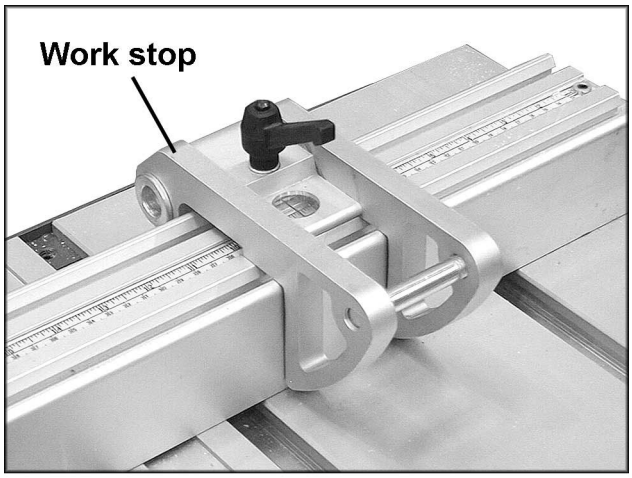


FIGURE 27

Each time a new blade is installed, the scales must be re-calibrated. Proceed as follows:

1. Put the stop, shown in Figure 27, at a certain measure and cut off a sample.

2. Measure the exact length of the sample. Loosen the screw which holds the scale and move the scale until the measurement corresponds to the length of the previously cut sample.

3. The scale on the telescopic extension of the fence is factory adjusted to the scale on the fixed fence. When using the telescopic extension, the second work stop has to be set at 1925 mm to make the different scales correspond with one another.

4. The best way to check if all scales correspond is to make several test cuts on the different scales.

5. After a period of use, if the wood protection cap at the end of the crosscut fence is cut away, a new one must be made. See the diagram in Figure 28 (dimensions are millimeters).

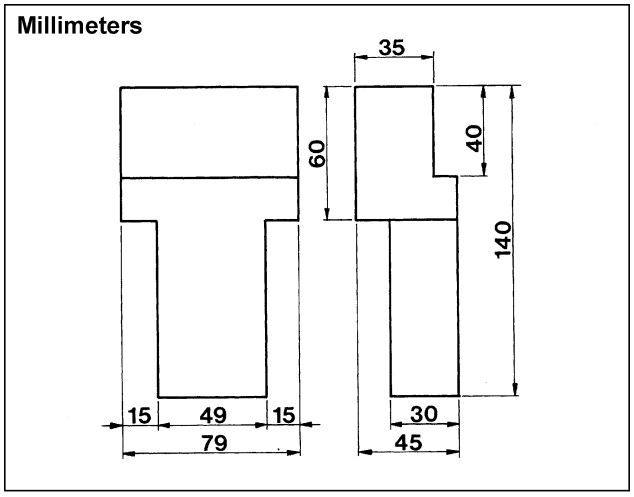


FIGURE 28

MITER FENCE

IMPORTANT: The flat T-nut, which is in the groove of the sliding table and which holds the vertical rod of the clamp, is factory set and must remain in its position to make the angle scale correspond.

1. To set the required angle, unlock the rod of the clamp (A-Fig. 29) with the provided tool, and loosen the handle (B-Fig. 29).

2. To slide the fence (C-Fig. 29) toward or away from the saw blade, loosen the two smaller handles (D-Fig. 29).

3. Reading the angle is done at the edge of the aluminum bracket. An adjustable stop can be mounted to the miter fence as shown in Figure 29, for making multiple cuts of the same length.

4. Re-tighten all handles before operating.

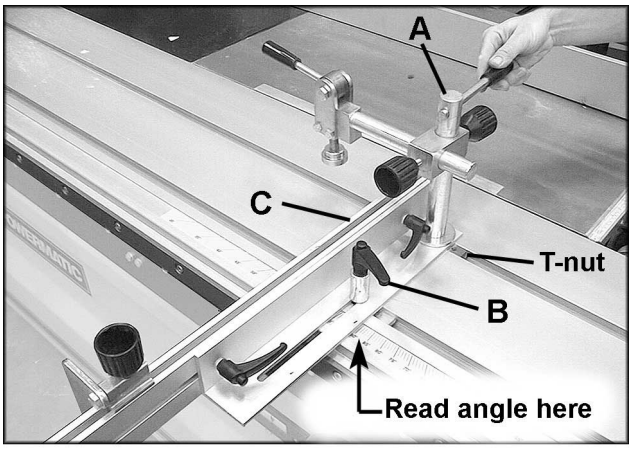


FIGURE 29

RIP FENCE

1. To move the rip fence, shown in Figure 30, turn the micro adjust gear counterclockwise, and lift the handle. The fence should slide freely on the guide bar.

2. To lock the fence in position, push the handle down and tighten the micro-adjust gear by turning it clockwise.

3. Micro-adjustment is achieved by locking the micro adjust gear, by holding the handle in the upright position, and by turning the micro-adjust knob.

4. After adjustment, push handle down to lock the fence in place.

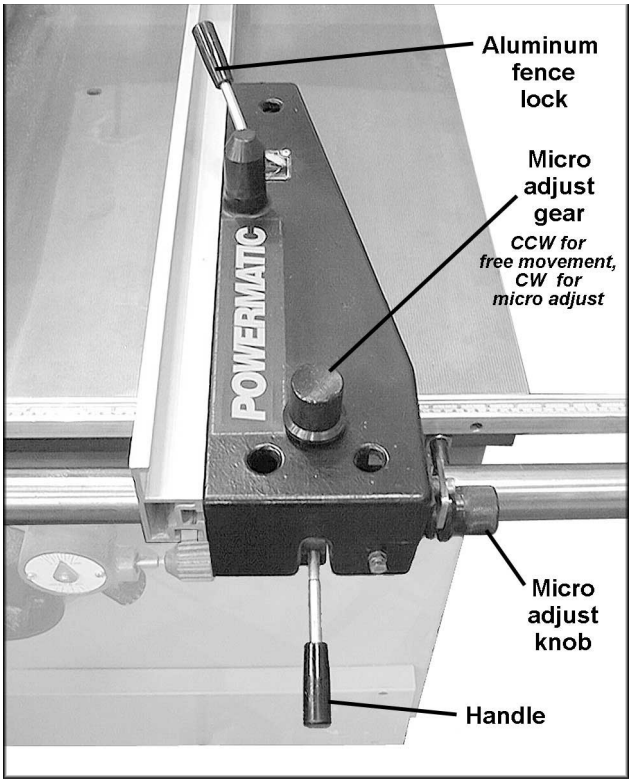


FIGURE 30

NOTE: When cutting small workpieces with the saw blade tilted at 45 degrees, the aluminum rip fence should be used in the low position:

1. Loosen the aluminum fence lock, slide the fence off and slide it back on in the low position, as shown in Figure 31.

2. Tighten the aluminum fence lock.

When cutting solid wood using the rip fence, to avoid the wood getting stuck between the fence and riving knife (which can result in a dangerous kickback) reposition the aluminum fence so its end protrudes just past the end of the riving knife.

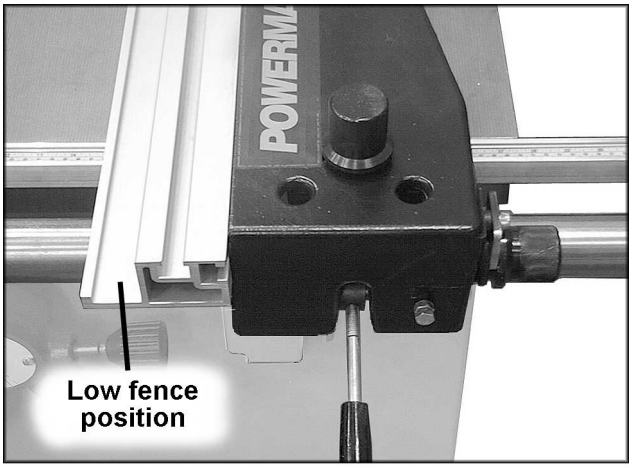


FIGURE 31

RIP FENCE SCALE CALIBRATION

Each time a new blade is mounted, the rip fence scale has to be calibrated to the new blade.

1. Cut a sample and measure its exact length.

2. Loosen the screw on the scale, shown in Figure 32. To avoid the fence contacting the rotating saw blade, the stop ring has to be adjusted.

3. Slide the fence to about 10 mm from the saw blade.

4. Slide the stop ring across the round guide bar until it comes up against the casting of the fence. Tighten the set screw on the stop ring.

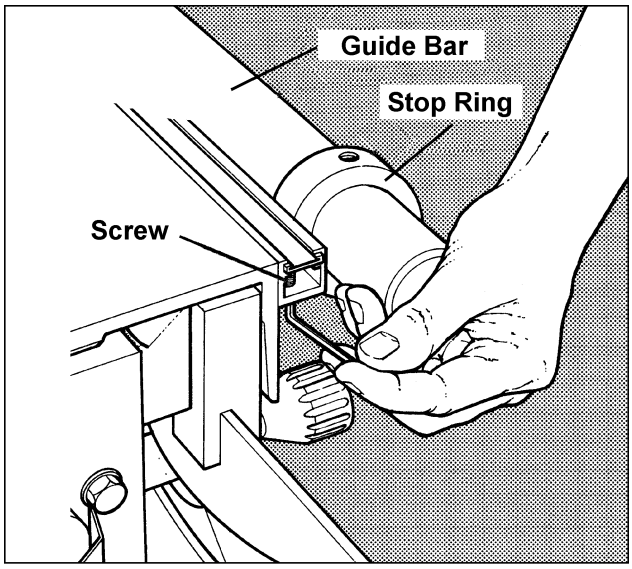


FIGURE 32

BELT TENSION & SPEED CHANGE

To tighten the belt on the main motor:

1. Pull and turn handle (A-Fig. 33) to the left to loosen the belt. Slip the belt into the appropriate pulley groove. Check the indicator (C-Fig. 33) for correct position.

2. Make sure the belt is positioned well into the pulley's groove.

3. Adjust the tension by pulling and turning handle (A-Fig. 33) to the right, and engaging it into the serrated span sector (B-Fig. 33).

CAUTION: Make sure the belt is not over-tensioned as this may lead to damage to the saw arbor and belt.

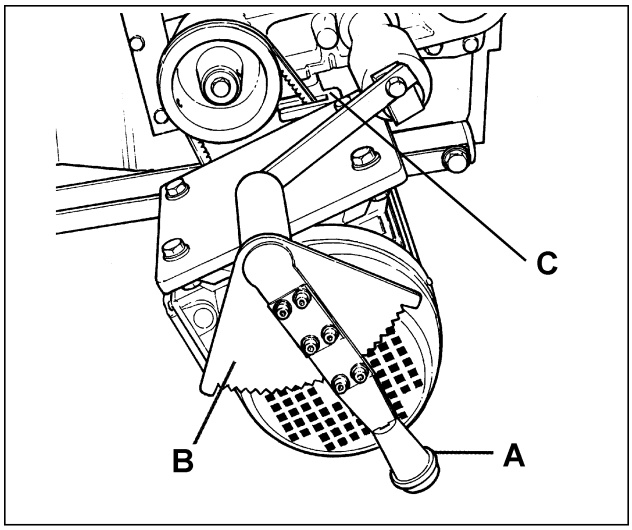


FIGURE 33

To tighten the belt on the scoring motor:

1. Loosen the two nuts (D-Fig. 34) which hold the scoring motor, and push the motor down.

2. While pushing the motor down, tighten the two nuts.

3. If the belt needs replacing, make sure the new belt is fully seated in the grooves of both pulleys.

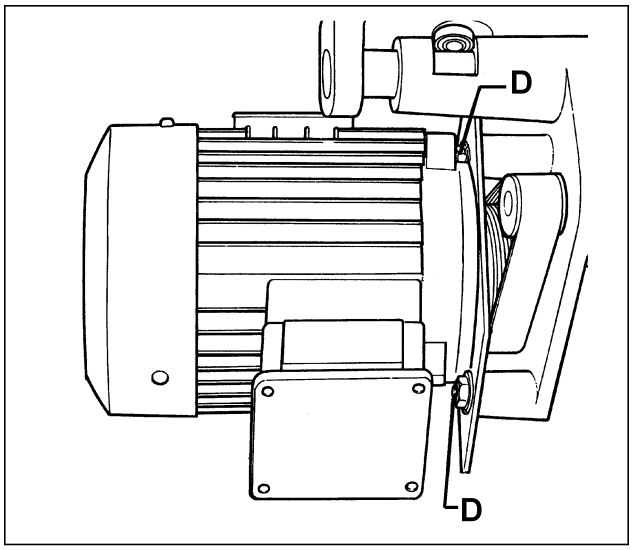


FIGURE 34

PRECISION TUNING YOUR PANEL SAW

Your HPS126 is a precision machine designed to give accurate performance over many years. But like all fine equipment, it can only meet the tight tolerances required if it is tuned correctly.
Your machine has been so designed that all the major parameters which influence the quality of cut can be adjusted by non-technical staff.
These tuning procedures should be carried out in the proper order, as later adjustments depend upon the earlier being correct.

The four steps of the procedure are:

1. Free Cut from blade to sliding table
2. Free Cut from blade to rip fence
3. Square Cut
4. Scoring Saw

FREE CUT (Blade to Sliding Table)

The sliding table does not run exactly parallel to the saw blade. It runs away from the back teeth by a fraction of a millimeter. This is called "free cut."

A very slight amount of free cut is desirable to avoid the problems of back cutting due to saw blade flutter. All saw blades vibrate to some extent. They flutter less at the front, where the cutting teeth are held stable by the material, than at the back. If the table were set absolutely parallel to the saw blade, the back teeth could contact the material and spoil the clean cut achieved by the front teeth. As the back teeth are ascending, they could cause chip out on the top surface of laminated boards.

The free cut required is less than .05 mm over one meter of travel.

A dial indicator is not required. You can use your ears to compare the noise of the front teeth with that of the back teeth. To do this will require a workpiece shorter than the distance between front and back teeth. The saw blade should be raised to its maximum height to achieve the most contrast.

1. Lay the workpiece against the crosscut fence and make a cut.

2. Hold the workpiece firmly after the front teeth have cut and push it on past the back teeth. As you pass the back teeth you should feel rather than hear a slight tingling or whisper. If there is no sound from the back teeth, you probably have too much ("positive") free cut. If the noise from the back teeth is similar to that of the front teeth, there is too little ("negative") free cut and the table is running in towards the back of the blade.

3. Having passed the back teeth, stop level with the riving knife and cut backwards. The back teeth will make a noise as they are now cutting the material.

WARNING: The workpiece must be held down firmly when making this backwards cut.

4. As you continue past the front teeth, the noise from the front teeth should be equal to or slightly less than the noise from the back teeth. Slight back cutting on the backstroke equals slight free cut on the forward stroke.

5. If the front teeth make more noise than the back, the free cut is positive; if they make no noise, the free cut is negative. If the noise relationship front teeth to back teeth on the forward stroke is the same as the noise relationship back teeth to front teeth on the back stroke (on a scale of 100, 100/30 in each case), the sliding table is running exactly parallel to the blade (zero free cut).

To correct the free cut, one end of the sliding table must be moved outward or inward. It doesn't matter whether you move the left or the right end. The only consideration is that there is enough clearance between the sliding table and the fixed cast iron table at the end you are moving.

1. At the end you have decided to move, loosen the socket head cap screw (A-fig. 35) holding the sliding table to the frame.

2. Loosen the other two cap screws in the middle of the sliding table so that the table will pivot at the remaining fixed end.

3. Loosen the nut on the lateral adjustment bolt (B-Fig. 35) at one end.

4. Turn the lateral adjustment bolt in or out as needed, then retighten the nut (B-Fig. 35). Re-tighten the socket head cap screws (A-Fig. 35)

5. Check again to confirm the free cut is satisfactory. Repeat the process if needed.

NOTE: The sliding table should be approximately 0.3 mm higher than the fixed cast iron table (thickness of a piece of paper). This is pre-set at the factory, but if adjustment should ever be needed, use the four height adjustment bolts (Fig. 35) on each end of the table.

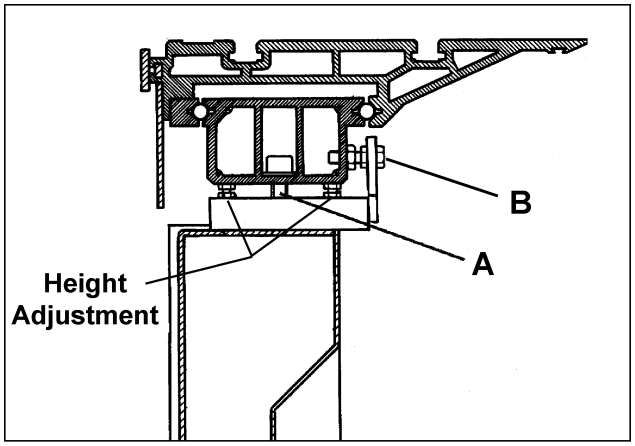


FIGURE 35

Trouble-shooting Free Cut (Blade to Sliding Table):

Symptoms of positive free cut:

Back cutting on rip fence side. Workpiece on cast iron table pulled into back of sawblade.
Chip out on top.
Machine cutting out of square. Workpiece moves slightly on sliding table due to pressure of saw blade, without operator noticing.
Scoring saw correctly aligned for sliding table is out of alignment on rip fence side and vice-versa.
Chip out on the bottom as alignment of scoring saw with main blade inconsistent due to movement of workpiece.

Symptoms of negative free cut:

Back cutting on sliding table side. Workpiece runs into back of saw blade. Chip out on top.
Machine cutting out of square. Workpiece moves slightly on sliding table due to pressure of saw blade, without operator noticing.
Chip out on the bottom as alignment of scoring saw with main blade inconsistent due to movement of workpiece.

NOTE: The above test depends upon the riving knife being properly in line with the blade.

FREE CUT (Blade to Rip Fence)

If the free cut on the rip fence side is negative, the symptoms are fairly obvious. The workpiece gets stuck between the back teeth and the fence and, in the worst case gets kicked back.

If the free cut is positive, other problems arise which are not so easily recognized, as for example, an incorrect rip fence setting. The following procedure will help you compare the distance between front teeth and rip fence with the distance between back teeth and rip fence:

1. Lower scoring blade all the way down, and out of the way.

2. Raise main blade to its highest position.

3. Take a workpiece of convenient size (e.g. 12" x 18") and edge one long side using the sliding table.

4. Set the rip fence slightly narrower than the workpiece, and cut the opposite long side of the workpiece using the fence.

5. Stop the workpiece when the trailing edge is level with the riving knife (i.e. has passed the back teeth.)

6. Using the rip fence micro adjustment, move the rip fence 1/4 turn inward, and pull workpiece backward almost to sawblade middle. The back teeth will then cut, and where they have cut, the workpiece width will correspond to the distance between the back teeth and the rip fence.

7. Remove workpiece in normal cutting direction.

8. Flip the workpiece over so that the trailing edge becomes the leading edge and feed into the saw blade for half the direction which the back teeth just cut. The width here will correspond to the distance between the front teeth and the fence.

Between the teeth marks from the back teeth and front teeth there will be a small ridge. The height of this ridge is the free cut over the length of the saw blade. This ridge should hardly be visible, but just possible to feel.

To correct the free cut:

1. Loosen the nuts on the outside (third) bolt holding the guide bar on which the rip fence slides. See Figure 37.

2. Move the bar, and therefore the fence, in or out by pivoting it upon the second bolt.

3. When corrected, tighten outside (third) bolt.

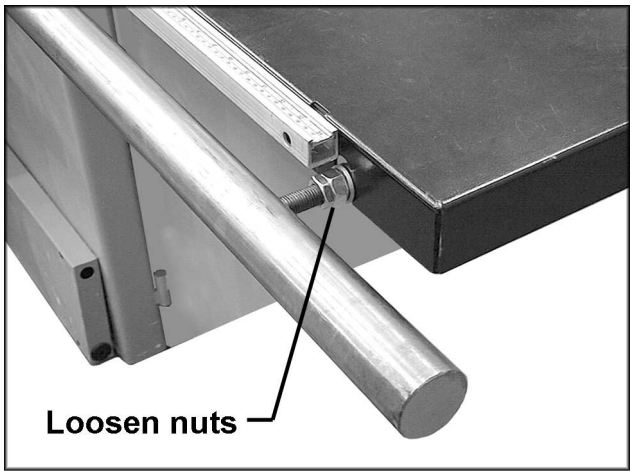


FIGURE 37

Trouble-shooting Free Cut (Blade to Rip Fence)

Symptoms of negative free cut:

Workpiece gets jammed between fence and back of saw blade, danger of kickback.
Backcutting, top chip out to the right of blade.

Symptoms of positive free cut:

Backcutting to the left of saw blade. Workpiece on left is pulled into back teeth. Chip out on top.
Scoring saw, while correctly aligned on sliding table side, is out of alignment for ripping.
When the rip fence section is in a pulled back position, the actual width cut is less than that shown on the scale.

NOTE: The above check depends on the riving knife being in line with the blade, not bent, narrower than the tooth kerf and wider than the body of the blade.

SQUARE CUT

1. Take a panel approximately 40" and cut five times round, always turning the cut edge up against the crosscut fence (counter-clockwise with crosscut fence in normal position). The fifth cut cuts the same edge as the first.

2. The last offcut strip (whose left side was the last cut and whose right side was the first cut) must be the same width at both ends if every corner was precisely 90 degrees. Any error in the squareness has been multiplied four times.

3. Break the strip and lay the ends side by side and check the difference. (Break the strip in such a way that you know afterward which was front and which was back; e.g. front bit short, back bit long).

Unlike other methods of checking for squareness, this system tells you which way to move the fence should adjustment be necessary. It depends upon the shape of the fifth offcut strip:

If front thick, back thin – move fence counter-clockwise.
If front thin, back thick – move fence clockwise

1. The crosscut fence position is adjusted at the outer attachment point only. Loosen the clamping device on the bottom of the crosscut fence.

2. Loosen the adjust the cross cut fence bracket on the top surface of the table.

3. Re-tighten the cross cut fence clamp device.

4. Perform another test to check the setting.

NOTE: An incorrect free cut on the sliding table can affect the squaring; see "Free Cut (Blade to Rip Fence)"

SCORING BLADE

The scoring blade should penetrate the material about 2mm.

Problems with the alignment of the scoring blade can normally be traced back to too much free cut. For this reason, the free cut must be checked for correctness before the scoring saw is adjusted.

For example, when the main blade is tilted to 45 degrees, the scoring blade may need to be readjusted sideways.

The tilt axis is independent of the free cut on the sliding table rip fence. The scorer alignment at 90 degrees takes the free cut into account. Thus, the scorer and the main blade are slightly out of alignment with regard to the tilt axis.

As the blades are tilted to 45 degrees, this misalignment in the horizontal plane also becomes a misalignment in the vertical plane.

The scorer must, therefore, be "raised" (moved to the left) or "lowered" (moved to the right) depending on whether the free cut on the sliding table, or the rip fence, needs to be compensated for.

The free cut can influence the scoring cut; it is essential to carry out checks one and two before adjusting the scoring saw.

OPERATION

The panel saw is designed for the following work and is equipped with safety devices for these particular procedures. It is **not** designed to work materials such as ferrous or non-ferrous metals.

Available procedures:

- Ripping with the parallel saw fence with or without the saw blade tilted and the fence upright or in the low position.
- Right-angled or mitre cuts with the 90 degree fence mounted to the sliding table with tilted or vertical saw blade.
- Crosscutting workpieces using the adjustable stop on the 90 degree fence.
- Cutting panels or solid wood on the sliding table.

MAINTENANCE

The sliding table should be cleaned once a week, and all sawdust and chips removed.
From both sides of the sliding table, blow out the dust which has accumulated between the two sections and on the ball carrier. This can be done more efficiently when the upper part of the sliding table is moved to the left end. Then repeat the process when the upper part is moved to the right end.

Remove any resin deposits on sliding table and other surfaces.

After blowing out the dust, spray a thin oil, such as WD-40, onto the steel inserts on both the upper and lower part of the sliding table. See Figure 39. Never use a thick oil or grease, just very light oil.

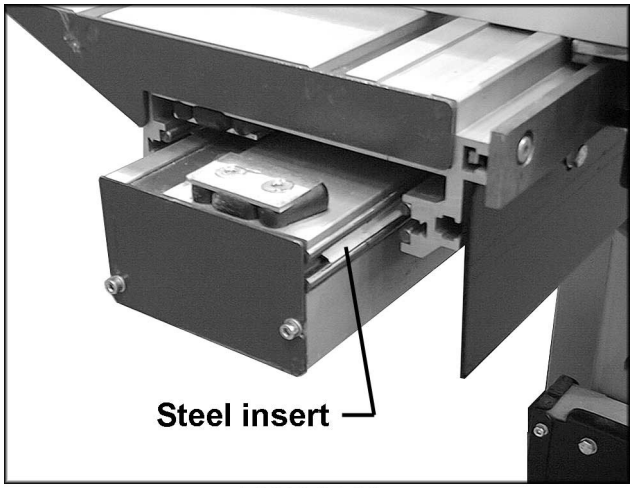


FIGURE 39

Lubricate all moving parts with a light coating of oil. All bearings in the machine are self-sealed and require no lubrication.

Blow sawdust out of the cooling fan and motor.

The cast iron table surface must be kept clean and free of rust for best results. Apply a coating of paste wax as needed.

TROUBLE-SHOOTING (HPS126 Panel Saw)

PROBLEM	POSSIBLE CAUSE	SOLUTION
Machine will not start when start button is pushed.	1. Access door open. 2. No power; possible shortage or motor 3. Star-delta switch in wrong position. 4. Main switch off.	1. Close door completely. 2. Check power source. 3. Switch must be on "Y". position. 4. Put main switch on "1".
Reduction of speed during cutting. replaced.	1. Belt tension incorrect. 2. Motor overload due to incorrect feed rate. 3. Blunt tools.	1. Properly tension belt. 2. Reduce feed rate. 3. Tools should be sharpened or
Blade/arbor vibrates.	1. Blade is unbalanced. 2. Worn or damaged belt.	1. Have it balanced, or replace it. 2. Replace belt.
Thermal overload	1. Overload not set on automatic reset, or overload is faulty.	1. Contact service technician.

PARTS LIST: **Motor & Arbor Assembly** (HPS126)

No.	Part No.	Description	Quantity
1	HPS126-101	Flange Collar	1
2	HPS126-102	Arbor Shaft	1
3	HPS126-103	Cover	1
4	HPS126-104	Arbor Nut	1
5	HPS126-105	Riving Knife	1
6	HPS126-106	Bolt	2
7	HPS126-107	Hub	1
8	HPS126-108	Shaft	1
9	HPS126-109	Nut	1
10	HPS126-110	Cam	1
11	HPS126-111	Flange	1
12	HPS126-112	Locking Plate	1
13	HPS126-113	Riving Knife (for use with 14" blade)	1
14	HPS126-114	Adjustment Block	1
15	HPS126-115	Plate	1
16	HPS126-116	Nut	1
17	HPS126-117	Cradle	1
25	HPS126-125	Pivot Unit	1
26	HPS126-126	Retainer Ring, N471-55	1
27	HPS126-127	Spring	1
28	HPS126-128	Micro Switch	1
29	HPS126-129	Bracket	1
30	HPS126-130	Bracket	1
31	HPS126-131	Bracket	1
33	HPS126-133	Bracket	1
34	HPS126-134	Bracket	1
35	HPS126-135	Spring	1
36	HPS126-136	Glide Bushing	2
37	HPS126-137	Flanged Riving Knife	1
38	BB-6006-ZZ	Ball Bearing, 6006-ZZ	2
39	HPS126-139	Retainer Ring, N472-55	1
40	HPS126-140	Bracket	1
41	HPS126-141	Switch	1
42	HPS126-142	Flange Bushing	1
43	HPS126-143	Sliding Pin	1
44	HPS126-144	Body	1
45	BB-6010VV	Ball Bearing, 6060VV	2
46	HPS126-146	Retainer Ring, N472-80	2
47	HPS126-147	Spring	1
48	HPS126-148	Pin	1
49	HPS126-149	Holder	1
50	HPS126-150	Bracket	1
51	HPS126-151	Micro Switch	1
52	HPS126-152	Bushing	1
53	HPS126-153	Fork	1
54	HPS126-154	Washer	1
56	HPS126-156	Bushing	1
57	HPS126-157	Bushing Saw Arbor	1
58	HPS126-158	Pin, 8mm dia. x 70mm	1
59	HPS126-159	Flange	1
65	HPS126-165	Connection Plate	1
66	HPS126-166	V-Belt	1

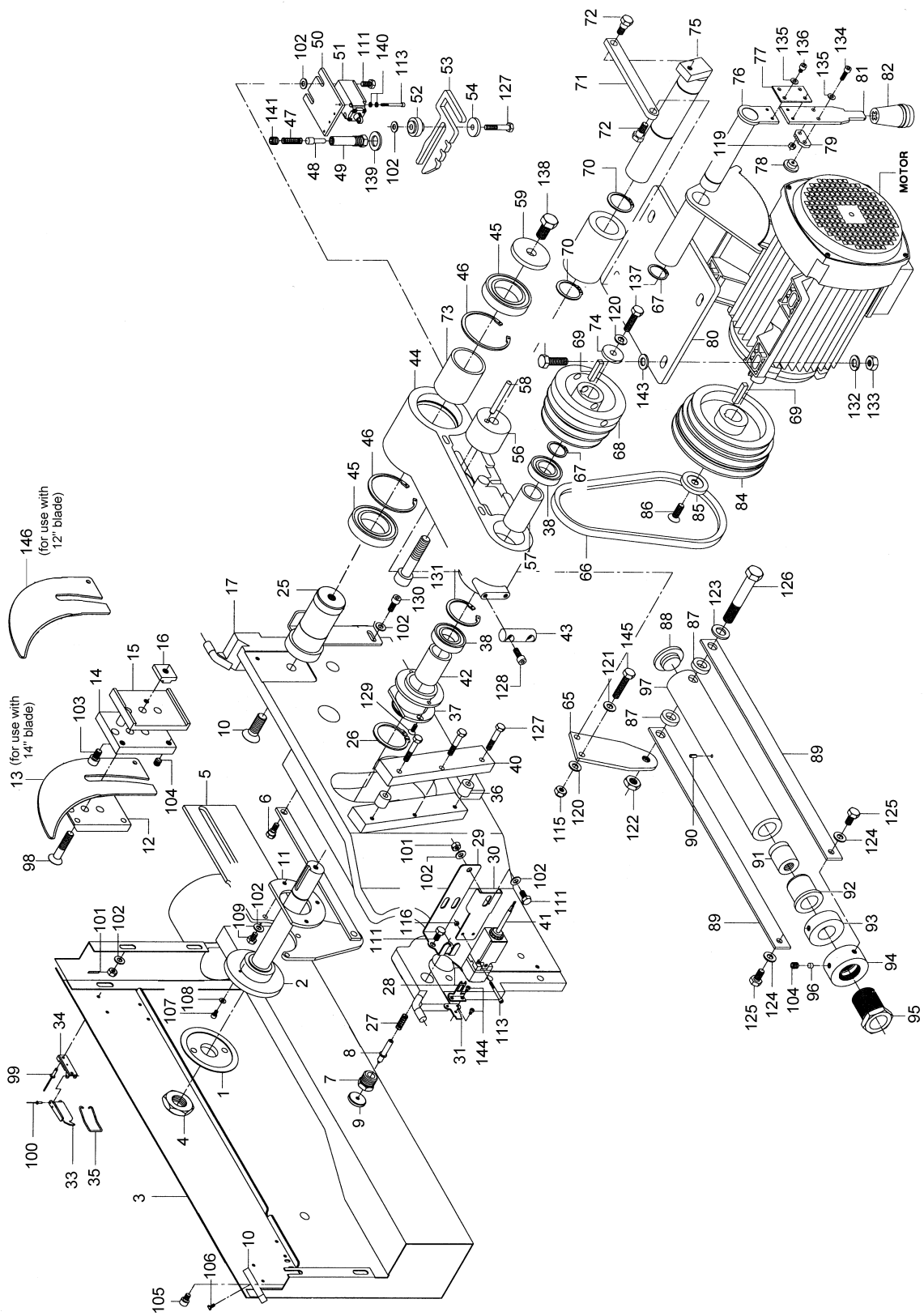
PARTS LIST: **Motor & Arbor Assembly** (HPS126) continued

No.	Part No.	Description	Quantity
67	HPS126-167	Retainer Ring, N471-30	2
68	HPS126-168	Arbor Pulley	1
69	HPS126-169	Key	2
70	HPS126-170	Retainer Ring, N471-40	1
71	HPS126-171	Tensioner Strap	1
72	HPS126-172	Tensioner Bolt	2
73	HPS126-173	Pivot Bushing	1
74	HPS126-174	Washer	1
75	HPS126-175	Belt Spanner	1
76	HPS126-176	Belt Spanner	1
77	HPS126-177	Handle Plate	1
78	HPS126-178	Handle Nut	1
79	HPS126-179	Segment Gear	1
80	HPS126-180	Motor Base	1
81	HPS126-181	Handle Plate	1
82	HPS126-182	Handle	1
83	HPS126-183	Motor, 7-1/2HP, 230V, 3Ph	1
84	HPS126-184	Motor Pulley	1
85	HPS126-185	Washer	1
86	HPS126-186	Screw	1
87	HPS126-187	Medium Washer	2
88	HPS126-188	Plug	1
89	HPS126-189	Strap Bracket	1
90	HPS126-190	Pin, 5mm dia. x 12mm	1
91	HPS126-191	Nut	1
92	HPS126-192	Stop Bushing	1
93	HPS126-193	Height Stop Collar	1
94	HPS126-194	Height Adjustment Collar	1
95	HPS126-195	Height Adjustment Bushing	1
96	HPS126-196	Insert Pad	2
97	HPS126-197	Adjustment Shaft	1
98	TS-224A601	Flat Head Socket Cap Screw, M12 x 60	1
99	HPS126-199	Screw, M4 x 6	1
100	HPS126-200	Screw, 2.4 x 6	1
101	TS-2311081	Hex Nut, M8	2
102	TS-1550061	Flat Washer, M8	4
103	TS-1505011	Socket Head Cap Screw, M10 x 16	4
104	TS-1525011	Socket Set Screw, M10 x 10	4
105	TS-1504021	Socket Head Cap Screw, M8 x 12	1
106	TS-1481021	Hex Cap Screw, M5 x 10	1
107	TS-1502011	Socket Head Cap Screw, M5 x 8	2
108	TS-1550031	Flat Washer, M5	1
109	TS-1490011	Hex Cap Screw, M8 x 12	3
110	HPS126-201	Flat Head Socket Cap Screw, M16 x 45	1
111	TS-1490021	Hex Cap Screw, M8 x 16	6
113	TS-1501081	Socket Head Cap Screw, M4 x 30	1
115	TS-2342101	Nylon Lock Hex Nut, M10	2
116	TS-1540021	Hex Nut, M4	1
120	TS-2361101	Lock Washer, M10	1
121	TS-1550071	Flat Washer, M10	1
122	TS-2311161	Full Hex Nut, M16	1

PARTS LIST: **Motor & Arbor Assembly** (HPS126) continued

No.	Part No.	Description	Quantity
123	TS-155010	Flat Washer, M16	1
124	TS-1550071	Flat Washer, M10	1
125	TS-2210161	Hex Cap Screw, M10 x 16	2
126	TS-149B16	Hex Cap Screw, M16 x 100	1
127	TS-1490081	Hex Cap Screw, M8 x 45	3
128	TS-1504041	Socket Head Cap Screw, M8 x 20	2
129	TS-1514021	Socket Head Flat Screw, M6 x 16	1
130	TS-1504041	Socket Head Cap Screw, M8 x 20	2
131	TS-223C801	Socket Head Cap Screw, M16 x 80	1
132	TS-2361121	Lock Washer, M12	4
133	TS-1540081	Hex Nut, M12	4
134	TS-1503041	Socket Head Cap Screw, M6 x 16	4
135	TS-1550041	Flat Washer, M6	4
136	TS-1503011	Socket Head Cap Screw, M6 x 8	4
137	TS-1491061	Hex Head Cap Screw, M10 x 40	1
138	TS-222C301	Hex Cap Screw, M16 x 30	1
139	TS-155010	Flat Washer, M16	1
140	HPS126-203	Washer, M4	2
141	TS-1526011	Socket Set Screw, M12 x 12	1
144	TS-1501011	Socket Head Cap Screw, M4 x 6	2
145	TS-1491081	Hex Cap Screw, M10 x 50	2
146	HPS126-118	Riving Knife (for use with 12" blade)	1

Motor & Arbor Assembly (HPS126)



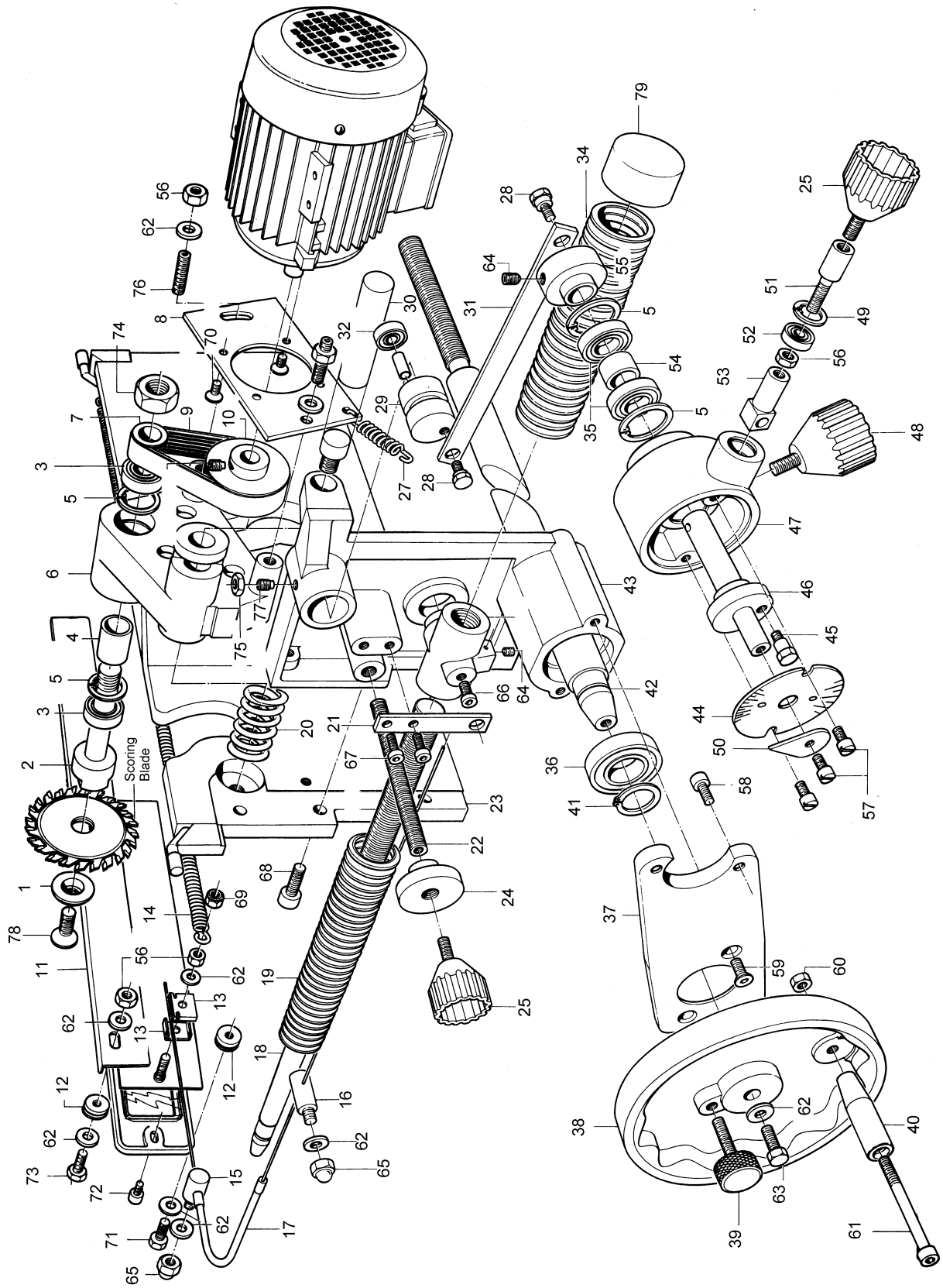
PARTS LIST: **Scoring Motor & Arbor Assembly** (HPS126)

No.	Part No.	Description	Quantity
1	HPS67-201	Flange Collar	1
2	HPS67-203	Arbor Shaft	1
3	BB-6003ZZ	Ball Bearing	2
4	HPS126-204	Bushing	1
5	HPS126-205	Retainer Ring, N472-35	1
6	HPS126-206	Bearing Housing	1
7	HPS67-207	Arbor Pulley	1
8	HPS126-208	Motor Mount	1
9	HPS126-209	V-Belt	1
10	HPS67-226	Motor Pulley	1
11	HPS126-211	Corner Plate	1
12	HPS126-212	Guide	2
13	HPS126-213	Cable Clamp	2
14	HPS126-214	Spring	1
15	HPS126-215	Cable Guide	1
16	HPS126-216	Cable Guide	1
17	HPS126-217	Cable Sleeve	1
18	HPS126-218	Threaded Rod	1
19	HPS67-145	Cover Tube	1
20	HPS67-225	Spring	1
21	HPS126-221	Strap Bracket	1
22	HPS126-222	Threaded Rod	1
23	HPS126-117	Cradle	1
24	HPS126-224	Locking Knob	1
25	HPS126-225	Hand Knob	2
26	HPS126-226	Threaded Rod Housing	1
27	HPS126-227	Spring	1
28	HPS126-106	Bolt	2
29	HPS126-229	Bushing	1
30	HPS126-230	Pivot Shaft	1
31	HPS126-231	Strap Bracket	1
32	BB-608ZZ	Ball Bearing, 608ZZ	1
33	HPS67-233	Scoring Motor, 3/4HP, 230V (.55 kw)	1
34	HPS126-232	Hose	1
35	BB-6003ZZ	Ball Bearing, 6003ZZ	2
36	BB-6304ZZ	Ball Bearing	1
37	HPS126-237	Support Plate	1
38	HPS126-238	Handwheel	1
39	HPS126-239	Locking Knob	1
40	HPS126-240	Handle	1
41	HPS126-241	Retainer Ring, N471-25	1
42	HPS126-242	Height Setting Shaft	1
43	HPS126-243	Shaft Housing	1
44	HPS126-244	Dial Plate	1
45	HPS126-245	Adjustment Bolt	1
46	HPS126-246	Adjustment Shaft	1
47	HPS126-247	Gear Housing	1
48	HPS126-248	Hand Knob	1
49	HPS126-249	Retainer Ring, N472-22	1
50	HPS126-250	Pointer	1
51	HPS126-251	Adjustment Rod	1
52	HPS126-252	Bearing	1
53	HPS126-253	Adjustment Rod	1
54	HPS126-254	Bushing	1

PARTS LIST: **Scoring Motor & Arbor Assembly** (HPS126) continued

No.	Part No.	Description	Quantity
55	HPS126-255	Adjustment Plate	1
56	TS-2311081	Hex Nut, M8	2
57	TS-1503011	Socket Head Cap Screw, M6 x 8	1
58	TS-1504021	Socket Head Cap Screw, M8 x 12	1
59	TS-1515031	Flat Head Socket Cap Screw, M8 x 25	1
60	TS-2311081	Hex Nut, M8	4
61	TS-1505141	Socket Head Cap Screw, M10 x 90	1
62	TS-1550061	Flat Washer, M8	8
63	TS-1490021	Hex Head Cap Screw, M8 x 16	1
64	TS-1524011	Socket Set Screw, M8 x 8	2
65	TS-2331081	Cap Nut, M8	2
66	TS-1503031	Socket Head Cap Screw, M6 x 12	1
67	TS-1504041	Socket Head Cap Screw, M8 x 20	1
68	TS-1505041	Socket Head Cap Screw, M10 x 30	1
69	TS-1541031	Nylon Lock Hex Nut, M8	1
70	TS-1514011	Socket Head Flat Screw, M6 x 12	1
71	TS-1490021	Hex Head Cap Screw, M8 x 16	1
72	TS-1503021	Socket Head Cap Screw, M6 x 10	1
73	TS-1490041	Hex Cap Screw, M8 x 25	1
74	TS-2310162	Full Hex Nut, M16-1.5P	1
75	TS-2312101	Jam Nut, M10	1
76	TS-29-198	Socket Set Screw, M8 x 50	2
77	HPS126-277	Half Dog Point Socket Set Screw, M10 x 20	1
78	TS-1515021	Flat Head Socket Set Screw, M8 x 20	1
79	HPS126-279	End Cap	1

Scoring Motor & Arbor Assembly (HPS126)



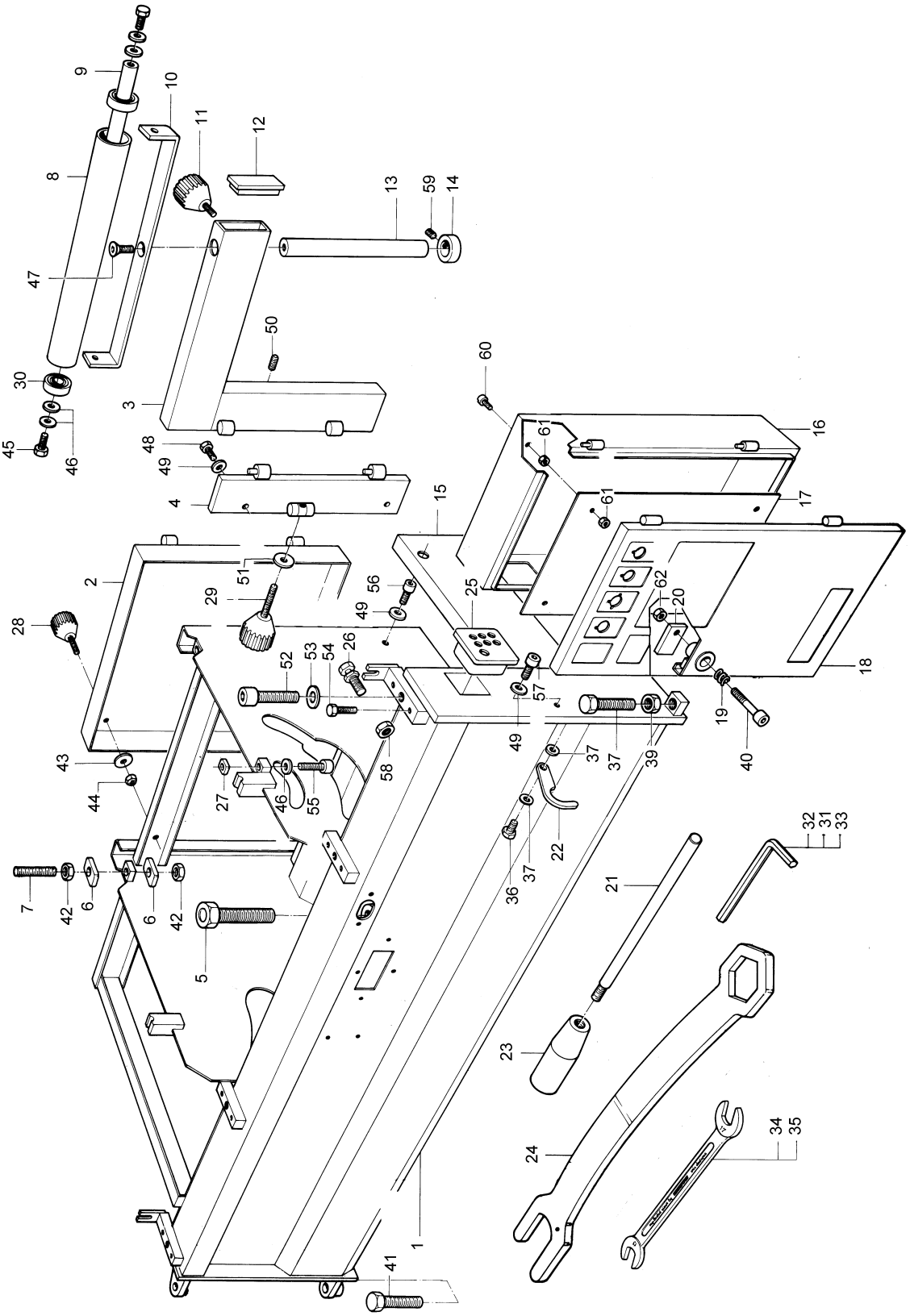
PARTS LIST: **Stand Assembly** (HPS126)

No.	Part No.	Description	Quantity
1	HPS126-301	Stand	1
2	HPS126-302	Door	1
3	HPS126-303	Support Arm	1
4	HPS126-304	Support Plate	1
5	HPS126-305	Adjustment Screw	1
6	HPS126-306	Washer	2
7	HPS67-312	Threaded Rod	1
8	HPS126-308	Pivot Roll Support	1
9	HPS126-309	Pivot Roll Shaft	1
10	HPS126-310	Roll Support Bracket	1
11	HPS67-409	Adjustment Knob	1
12	HPS126-312	End Cap	1
13	HPS126-313	Support Shaft	1
14	HPS126-314	Collar	1
15	HPS126-315	Cover Plate	1
16	HPS126-316	Electrical Cabinet	1
17	HPS126-317	Mount Plate	1
18	HPS126-318	Door	1
19	HPS67-324	Spring	1
20	HPS126-320	Lock Plate	1
21	HPS126-321	Lock Pin	1
22	HPS67-311	Hook	1
23	HPS67-445	Handle	1
24	HPS126-324	Wrench	1
25	HPS126-325	Stop Block	1
26	HPS126-326	Adjustment Block	1
27	HPS126-327	Ring	1
28	HPS126-248	Hand Knob	1
29	HPS126-329	Hand Knob	1
30	BB-6003ZZ	Ball Bearing, 6003ZZ	2
31	TS-152707	Hex Key, 6mm Short	1
32	TS-227D081	Hex Key, 8mm Short	1
33	TS-227D061	Hex Key, 5mm Short	1
34	HPS126-334	Wrench, 19mm x 22mm	1
35	HPS67-328	Wrench, 13mm x 17mm	1
36	TS-1490021	Hex Head Cap Screw, M8 x 16	1
37	TS-1550061	Flat Washer, M8	2
38	TS-2213401	Hex Cap Screw, M16 x 40	1
39	TS-2311161	Full Hex Nut, M16	1
40	TS-1504071	Socket Head Cap Screw, M8 x 35	1
41	TS-2215901	Hex Cap Screw, M20 x 90	2
42	TS-154010	Hex Nut, M16	2
43	TS-2361081	Lock Washer, M8	1
44	TS-1541031	Nylon Lock Hex Nut, M8	1
45	TS-1491021	Hex Cap Screw, M10 x 20	2
46	TS-1550071	Flat Washer, M10	2
47	TS-1516021	Socket Flat Head Cap Screw, M10 x 25	1
48	TS-1490071	Hex Cap Screw, M8 x 40	1
49	TS-1550061	Flat Washer, M8	2
50	HPS67-51	Stud, M8 x 20	6
51	TS-1550071	Flat Washer, M10	2
52	TS-223C501	Socket Head Cap Screw, M16 x 50	1

PARTS LIST: **Stand Assembly** (HPS126) continued

No.	Part No.	Description	Quantity
53	TS-155010	Flat Washer, M16	1
54	TS-1490061	Hex Head Cap, M8 x 35	1
55	TS-2239451	Socket Head Cap Screw, M10 x 45	1
56	TS-1504021	Socket Head Cap Screw, M8 x 12	1
57	TS-1504031	Socket Head Cap Screw, M8 x 16	4
58	TS-1540081	Hex Nut, M12	1
59	TS-1525011	Socket Set Screw, M10 x 10	1
60	TS-1503071	Socket Head Cap Screw, M8 x 16	4
61	TS-2311061	Hex Nut, M6	4
62	TS-2311081	Hex Nut, M8	4

Stand Assembly (HPS126)



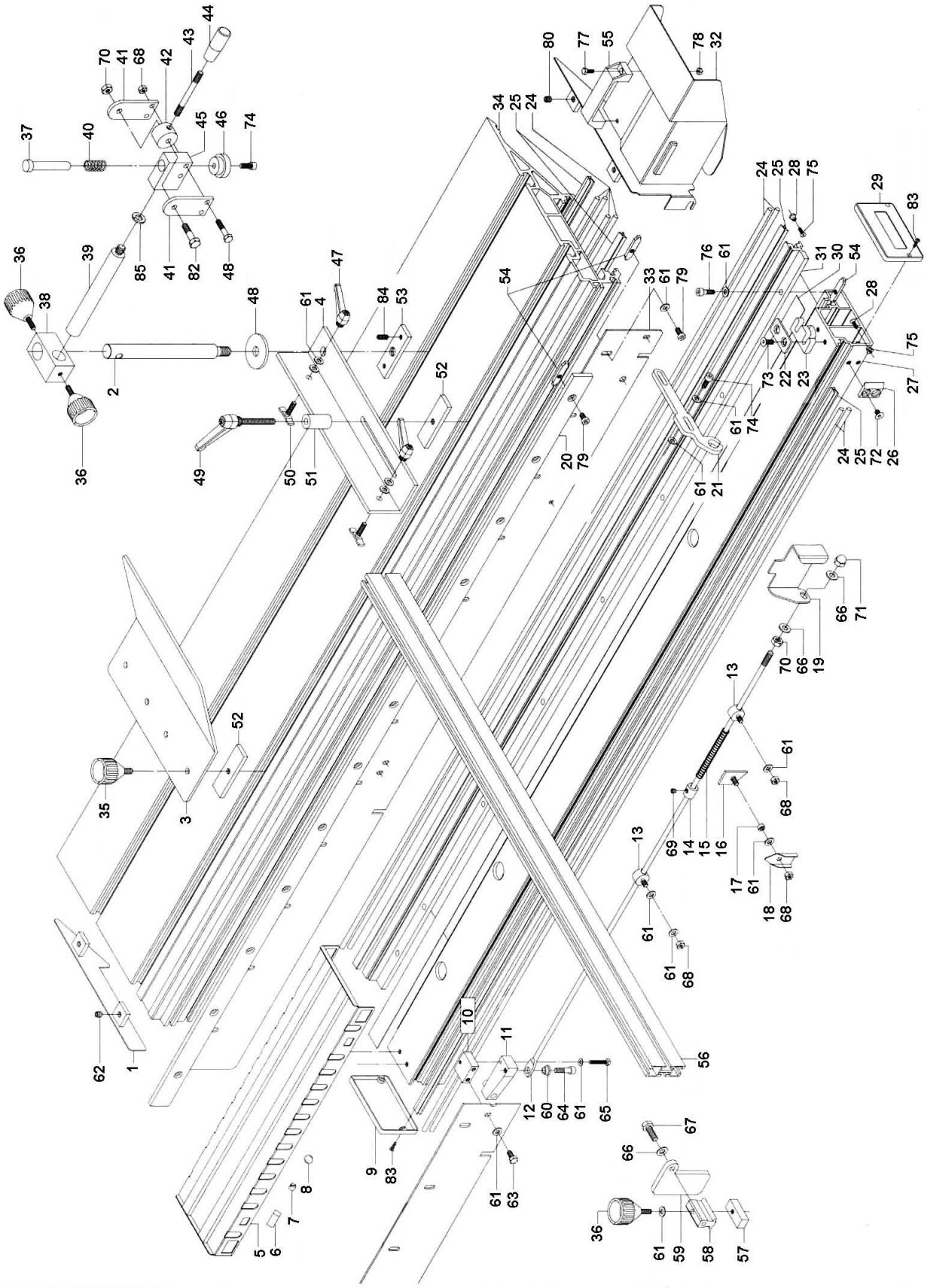
PARTS LIST: **Sliding Table Assembly** (HPS126)

No.	Part No.	Description	Quantity
1	HPS126-401	Plate	1
2	HPS126-402	Clamp Rod	1
3	HPS126-403	Stop Plate	1
4	HPS126-404	Bracket	1
5	HPS126-405	Mount Plate	1
6	HPS126-406	Wiper	4
7	HPS126-407	Plug	2
8	HPS126-408	Steel Ball	11
9	HPS126-409	Cover Plate	1
10	HPS126-410	Block	1
11	HPS126-411	Bracket	1
12	HPS126-412	Rod	1
13	HPS126-413	Coupling	2
14	HPS126-414	Coupling	1
15	HPS126-415	Spring	1
16	HPS126-416	Plate	1
17	HPS126-417	Bushing	1
18	HPS126-418	Position Indicator	1
19	HPS126-419	Bracket	1
20	HPS126-420	Mount Plate	1
21	HPS126-421	Lock Plate	1
22	HPS126-422	Stop Plate	2
23	HPS126-423	Stop Block	2
24	HPS126-424	Rod	10
25	HPS126-425	Guide	3
26	HPS126-426	Plate	1
27	HPS126-427	Support	1
28	HPS126-428	Nut	2
29	HPS126-429	Cover Plate	1
30	HPS126-430	Plate	1
31	HPS126-431	Guide	1
32	HPS126-432	Bracket	1
33	HPS126-433	Plate	1
34	HPS126-434	Support Table	1
35	HPS126-435	Adjustment Knob	1
36	HPS67-409	Adjustment Knob	1
37	HPS67-426	Clamp Pin	1
38	HPS67-442	Post Block	1
39	HPS67-443	Rod	1
40	HPS67-424	Spring	1
41	HPS67-432	Clamp Plate	2
42	HPS67-449	Cam	1
43	HPS67-448	Handle Rod	1
44	HPS67-445	Handle	1
45	HPS67-446	Clamp Block	1
46	HPS67-447	Clamp	1
47	HPS67-430	Handle	2
48	HPS67-453	Washer	1
49	HPS67-440	Handle	1
50	HPS67-438	Handle Bolt	2
51	HPS67-439	Bushing	1
52	HPS67-434	Nut Plate	2
53	HPS67-435	Clamp	2
54	HPS67-429	Nut Plate	14

PARTS LIST: **Sliding Table Assembly** (HPS126) continued

No.	Part No.	Description	Quantity
55	HPS67-415	Handle	1
56	HPS67-413	Profile Tube	1
57	HPS67-411	Lock Plate	1
58	HPS67-410	Adjustment Block	1
59	HPS67-412	Mitre Guide Stop	1
60	HPS67-906	Bushing	1
61	TS-1550061	Flat Washer, M8	30
62	TS-1525011	Socket Set Screw, M10 x 10	2
63	TS-1490021	Hex Head Cap Screw, M8 x 16	4
64	TS-1504061	Socket Head Cap Screw, M8 x 30	1
65	TS-1482081	Hex Head Cap Screw, M6 x 40	2
66	TS-1550071	Flat Washer, M10	10
67	TS-1491041	Hex Head Cap Screw, M10 x 30	1
68	TS-2311081	Hex Nut, M8	6
69	TS-1524011	Socket Set Screw, M8 x 8	1
70	TS-2311101	Hex Nut, M10	1
71	TS-2331101	Cap Nut, M10	2
72	TS-2248121	Flat Head Socket Cap Screw, M8 x 20	4
73	TS-1515021	Flat Head Socket Cap Screw, M8 x 20	2
74	TS-1504041	Socket Head Cap Screw, M8 x 20	2
75	TS-1513031	Flat Head Socket Cap Screw, M5 x 16	2
76	TS-1504051	Socket Head Cap Screw, M8 x 25	2
77	TS-1482031	Hex Head Cap Screw, M6 x 16	2
78	TS-2311061	Hex Nut, M6	2
79	TS-2288202	Phillips Pan Head Machine Screw, M8 x 20	24
80	TS-1525011	Socket Set Screw, M10 x 10	1
81	TS-1490071	Hex Head Cap Screw, M8 x 40	2
82	TS-1491061	Hex Head Cap Screw, M10 x 40	1
83	HPS126-436	Self Tapping Screw, 4,8-19	4

Sliding Table Assembly (HPS126)



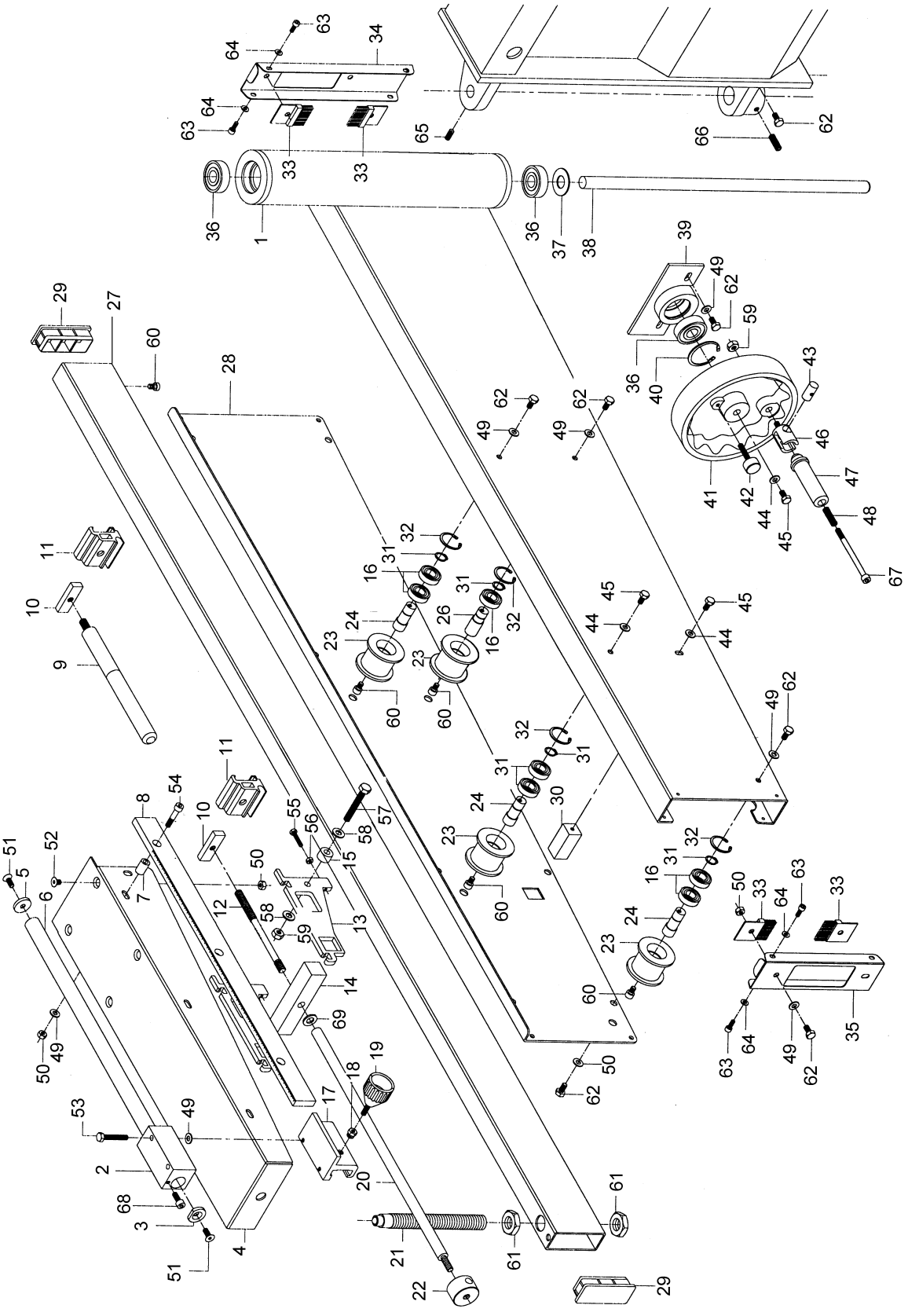
PARTS LIST: **Support Arm Assembly** (HPS126)

No.	Part No.	Description	Quantity
1	HPS126-501	Support Arm	1
2	HPS126-502	Stop Block	1
3	HPS126-503	Washer	1
4	HPS126-504	Table	1
5	HPS126-505	Washer	1
6	HPS126-506	Stop Shaft	1
7	HPS126-507	Bushing	1
8	HPS126-508	Scale Plate	1
9	HPS126-509	Handle	1
10	HPS126-510	Support Nut	2
11	HPS126-511	Lock Block	2
12	HPS126-512	Threaded Rod	1
13	HPS126-513	Fixed Plate	2
14	HPS126-514	Guide Block	1
15	HPS126-515	Idle Bushing	1
16	BB-6003ZZ	Ball Bearing	7
17	HPS126-517	Guide Block	1
18	HPS126-518	Bushing	1
19	HPS67-613	Hand Knob	1
20	HPS126-520	Pivot Shaft	1
21	HPS126-521	Threaded Rod	1
22	HPS126-522	Support Nut	1
23	HPS126-523	Spool Cylinder	4
24	HPS126-524	Shaft	3
26	HPS126-526	Shaft	1
27	HPS126-527	Arm Tube	1
28	HPS126-528	Side Plate	1
29	HPS126-312	End Cap	2
30	HPS126-530	Arm Stop	1
31	HPS67-516	Retainer Ring	4
32	HPS126-205	Retainer Ring, N472-35	4
33	HPS126-533	Brush	4
34	HPS126-534	Cover	1
35	HPS126-535	Cover	1
36	BB-6304ZZ	Ball Bearing	3
37	HPS126-537	Washer	1
38	HPS126-538	Pivot Shaft	1
39	HPS126-539	Bearing Housing	1
40	HPS126-540	Retainer Ring, N472-52	1
41	HPS126-541	Handwheel	1
42	HPS126-239	Locking Knob	1
43	HPS126-543	Nut	1
44	HPS126-544	Washer	4
45	HPS126-545	Bolt	4
46	HPS126-546	Bushing	1
47	HPS126-547	Handle	1
48	HPS126-548	Spring	1
49	TS-1550061	Flat Washer, M8	8
50	TS-2311081	Hex Nut, M8	2
51	TS-1515021	Flat Head Socket Cap Screw, M8 x 20	2
52	TS-2248121	Flat Head Socket Cap Screw, M8 x 20	4
53	TS-1490101	Hex Cap Screw, M8 x 55	2

PARTS LIST: **Support Arm Assembly** (HPS126) continued

No.	Part No.	Description	Quantity
54	TS-1504081	Socket Head Cap Screw, M8 x 40	3
55	TS-1482061	Hex Cap Screw, M6 x 30	2
56	TS-2311101	Hex Nut, M10	2
57	TS-1491121	Hex Cap Screw, M10 x 70	1
58	TS-1550071	Flat Washer, M10	2
59	TS-2311101	Hex Nut, M10	2
60	TS-1504021	Socket Head Cap Screw, M8 x 12	6
61	TS-2312241	Hex Jam Nut, M24	2
62	TS-1490021	Hex Cap Screw, M8 x 16	10
63	TS-1503041	Socket Head Cap Screw, M6 x 16	6
64	TS-1550041	Flat Washer, M6	6
65	TS-1524051	Socket Set Screw, M8 x 20	1
66	TS-2279351	Socket Set Screw, M10 x 35	2
67	TS-2239911	Socket Head Cap Screw, M10 x 100	1
68	TS-1504041	Socket Head Cap Screw, M8 x 20	1
69	TS-2360121	Flat Washer, M12	1

Support Arm Assembly (HPS126)



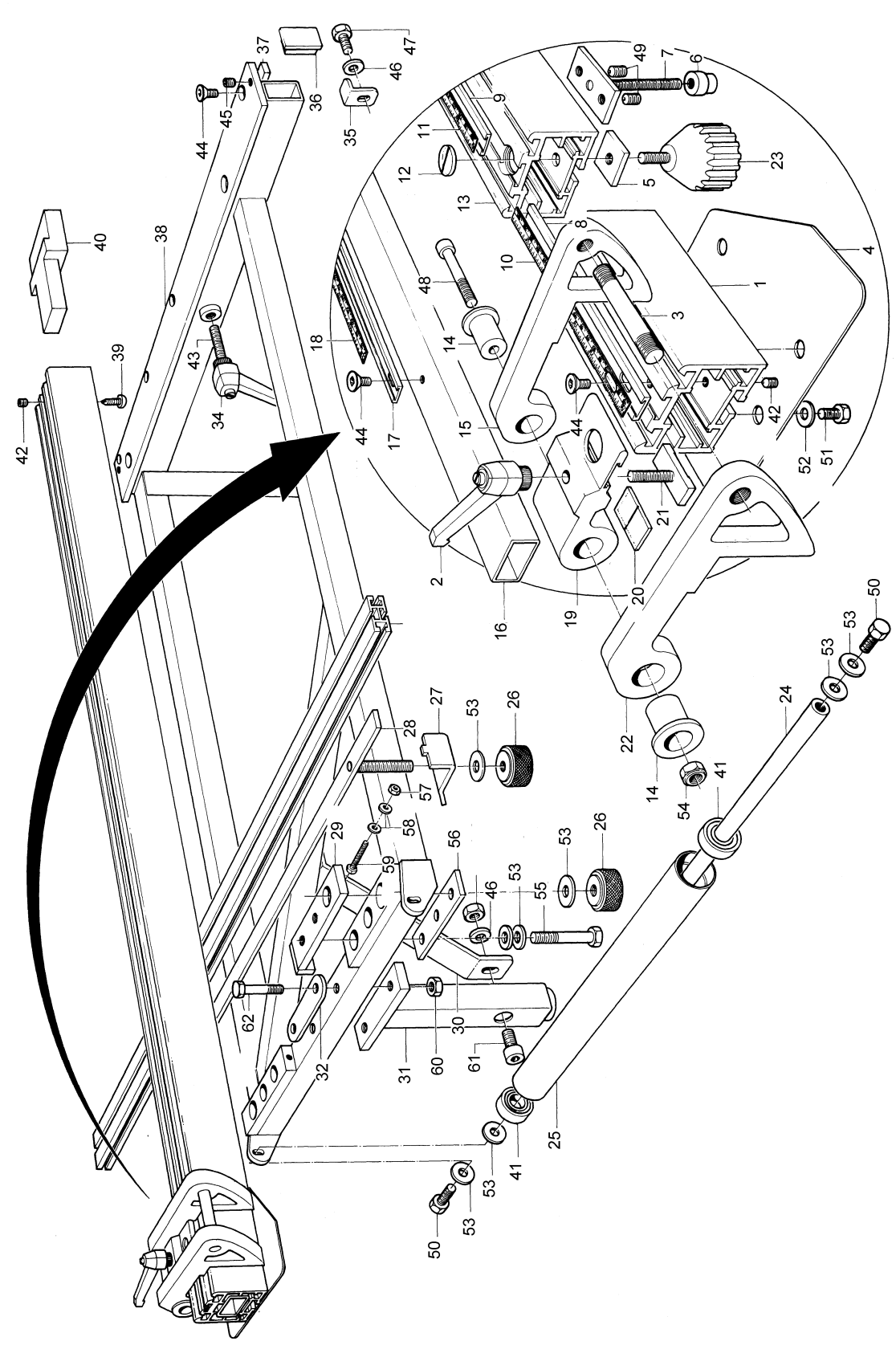
PARTS LIST: **Crosscut Fence Assembly** (HPS126)

No.	Part No.	Description	Quantity
1	HPS126-601	Cross Cut Fence (Short)	1
2	HPS67-430	Handle	1
3	HPS126-603	Shaft	1
4	HPS126-604	Support Guide	1
5	HPS67-614	Square Nut	1
6	HPS126-606	Bushing	1
7	HPS126-607	T-Bolt	1
8	HPS126-608	Scale Plate (Short)	1
9	HPS126-609	Scale Plate (Long)	1
10	HPS126-610	Scale (Short)	1
11	HPS126-611	Scale (Long)	1
12	HPS126-612	Lens	1
13	HPS126-613	Cross Cut Fence (Long)	1
14	HPS126-614	Bushing	2
15	HPS126-615	Left Stop	1
16	HPS126-616	Guide Tube	1
17	HPS126-617	Scale Plate	1
18	HPS126-618	Scale	1
19	HPS126-619	Bracket	1
20	HPS126-620	Lens	1
21	HPS126-423	T-Bolt	1
22	HPS126-622	Right Stop	1
23	HPS126-248	Hand Knob	1
24	HPS126-624	Roll Shaft	1
25	HPS126-625	Roller	1
26	HPS67-619	Lock Knob	1
27	HPS67-620	Clamp	1
28	HPS126-628	Strap	1
29	HPS126-629	Bracket	1
30	HPS126-630	Bracket	1
31	HPS126-631	Support	1
32	HPS126-632	Plate	1
33	HPS67-627	Cross Tube	1
34	HPS126-419	Handle	1
35	HPS126-635	Table Bracket	1
36	HPS126-636	End Cap	2
37	HPS126-637	Strap Bracket	1
38	HPS126-638	Support Plate	1
39	HPS126-639	Self Tapping Screw, 10 x 3/4	1
40	HPS126-640	Bracket	1
41	BB-6003ZZ	Ball Bearing	2
42	TS-2276081	Socket Set Screw, M6 x 8	1
43	HPS126-643	Stud, M10 x 80	1
44	TS-1514011	Socket Head Flat Screw, M6 x 12	12
45	TS-1524011	Socket Set Screw, M8 x 8	2
46	TS-1550061	Flat Washer, M8	8
47	TS-1490021	Hex Cap Screw, M8 x 16	1
48	TS-1504121	Socket Head Cap Screw, M8 x 60	2
49	TS-1525011	Socket Set Screw, M10 x 10	2
50	TS-1491021	Hex Cap Screw, M10 x 20	2
51	TS-1503021	Hex Cap Screw, M6 x 10	4
52	TS-1550041	Flat Washer, M6	4
53	TS-1550071	Flat Washer, M10	10

PARTS LIST: **Crosscut Fence Assembly** (HPS126) continued

No.	Part No.	Description	Quantity
54	TS-1541031	Nylon Lock Hex Nut, M8	1
55	TS-1491121	Hex Cap Screw, M10 x 70	3
56	HPS126-656	Support Bracket	1
57	TS-2311061	Hex Nut, M6	2
58	TS-1550041	Flat Washer, M6	2
59	TS-1482081	Hex Cap Screw, M6 x 40	2
60	TS-2311081	Hex Nut, M8	2
61	TS-1504041	Socket Head Cap Screw, M8 x 20	2
62	TS-1490101	Hex Cap Screw, M8 x 55	2

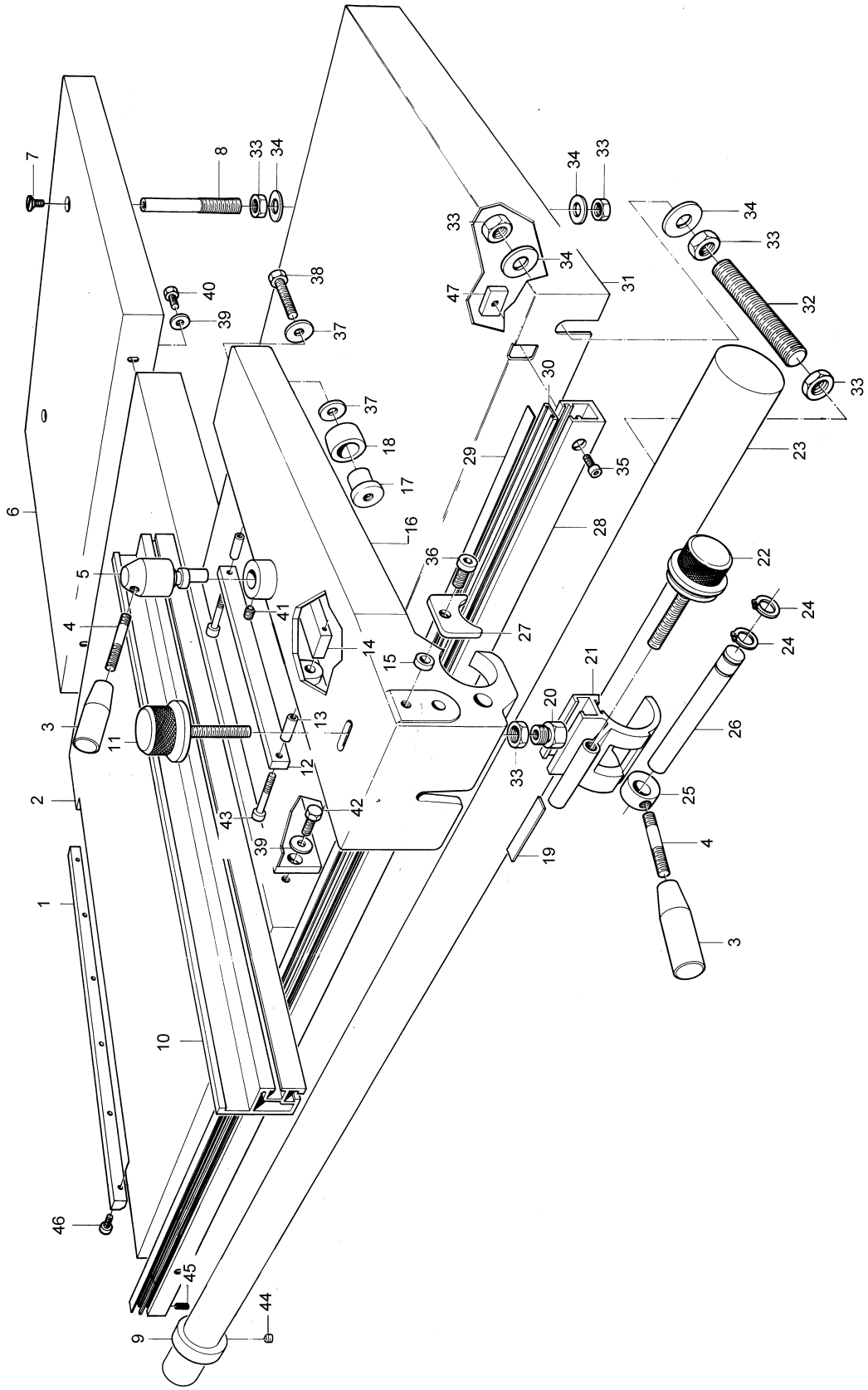
Crosscut Fence Assembly (HPS126)



PARTS LIST: **Rip Fence Assembly** (HPS126)

No.	Part No.	Description	Quantity
1	HPS126-701	Wood Inlay	1
2	HPS126-702	Table	1
3	HPS67-445	Handle	2
4	HPS67-448	Handle Rod	2
5	HPS67-703	Lock Bushing	1
6	HPS126-706	Table Extension	1
7	HPS126-707	Machine Screw	2
8	HPS126-708	Shaft	1
9	HPS126-709	Stop Collar	1
10	HPS126-710	Fence Guide	1
11	HPS126-711	Adjustment Screw	1
12	HPS126-712	Mount Plate	1
13	HPS126-713	Bushing	2
14	HPS126-714	Lock Plate	1
15	HPS67-723	Bushing	1
16	HPS126-716	Body	1
17	HPS126-717	Bushing	1
18	HPS126-718	Wheel	1
19	HPS126-719	Lock Plate	1
20	HPS126-720	Lock Plate	1
21	HPS126-721	Lock Housing	1
22	HPS126-722	Adjustment Screw	1
23	HPS126-723	Guide Bar	1
24	HPS67-729	Retainer Ring	2
25	HPS67-731	Lock Collar	1
26	HPS126-726	Shaft	1
27	HPS67-727	Handle Plate	1
28	HPS126-728	Scale Base	1
29	HPS126-729	Scale	1
30	HPS126-730	Scale Plate	1
31	HPS67-305	Extension Saw Table Right Z	1
32	HPS126-732	Stud, M16	1
33	TS-2311161	Full Hex Nut, M16	6
34	TS-155010	Flat Washer, M16	4
35	TS-1503041	Socket Head Cap Screw, M6 x 16	6
36	TS-1504041	Socket Head Cap Screw, M8 x 20	1
37	TS-1550071	Flat Washer, M10	2
38	TS-1491041	Hex Cap Screw, M10 x 30	1
39	TS-1550061	Flat Washer, M8	2
40	TS-1490021	Hex Cap Screw, M8 x 12	1
41	TS-1524031	Socket Set Screw, M8 x 8	1
42	TS-1490041	Hex Cap Screw, M8 x 25	1
43	TS-1503131	Socket Head Cap Screw, M6 x 60	1
44	TS-1524011	Socket Set Screw, M8 x 8	1
45	TS-1522061	Socket Set Screw, M5 x 20	1
46	TS-1504061	Socket Head Cap Screw, M8 x 30	6
47	HPS126-747	Nut	1

Rip Fence Assembly (HPS126)



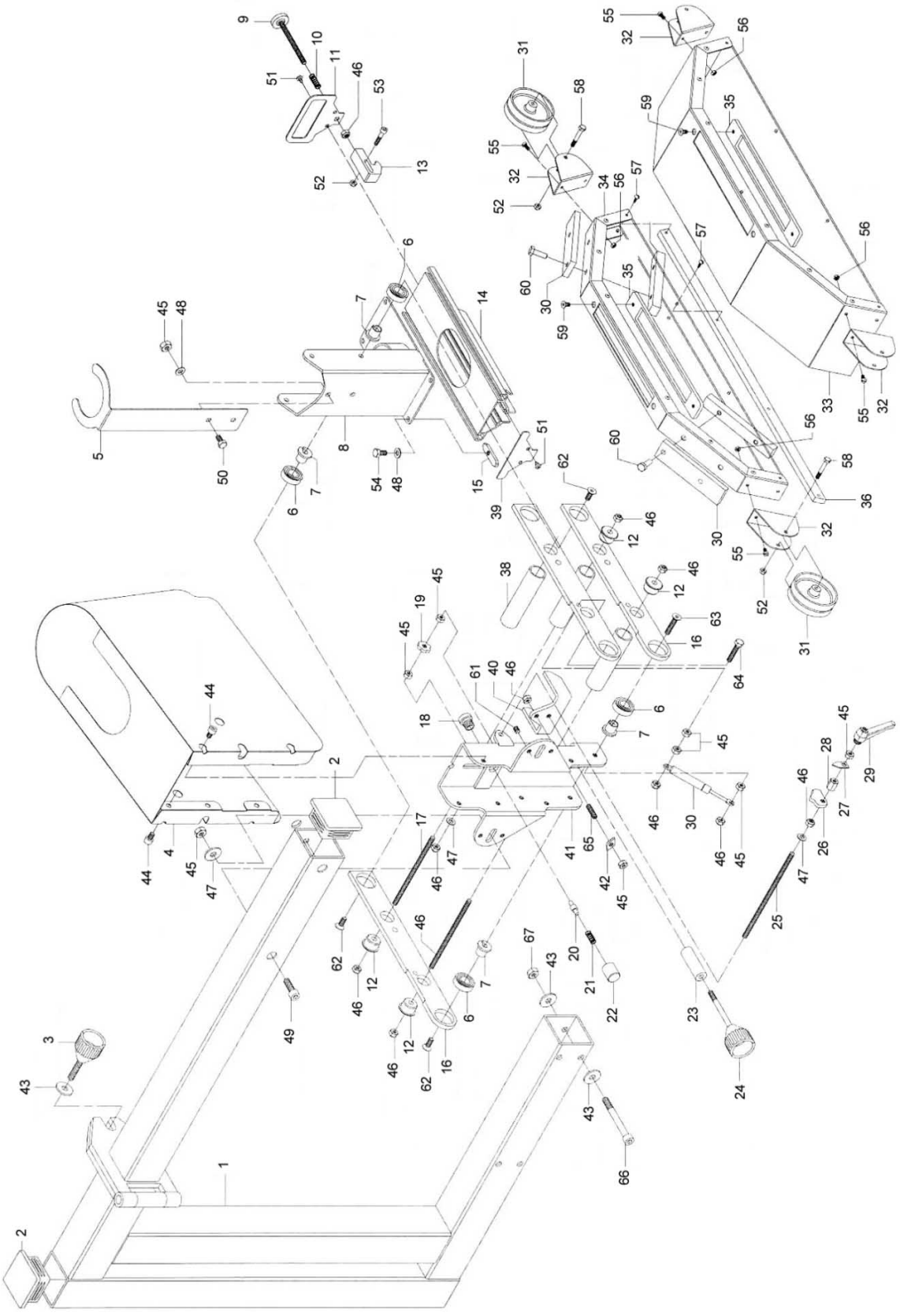
PARTS LIST: **Over Arm Guard Assembly** (HPS126)

No.	Part No.	Description	Quantity
1	HPS126-901	Frame	1
2	HPS67-910	End Cap	2
3	HPS67-909	Hand Knob	1
4	HPS126-904	Guard	1
5	HPS126-905	Bracket	1
6	BB-6003ZZ	Ball Bearing, 6003ZZ	4
7	HPS126-907	Bushing	3
8	HPS126-908	Support Bracket	1
9	HPS126-909	Retainer Bolt	1
10	HPS126-548	Spring	1
11	HPS126-911	Bracket	1
12	HPS126-912	Bushing	4
13	HPS126-913	Adjustment Block	1
14	HPS126-914	Base	1
15	HPS67-429	Nut Plate	4
16	HPS126-916	Strap Plate	3
17	HPS126-917	Threaded Shaft	2
18	HPS126-918	Threaded Bushing	1
19	HPS126-919	Washer	1
20	HPS126-920	Pin	1
21	HPS67-324	Spring	1
22	HPS126-922	Cap	1
23	HPS126-923	Spacer	1
24	HPS67-618	Hand Knob	1
25	HPS126-925	Threaded Shaft	1
26	HPS126-926	Plate	1
27	HPS67-904	Pointer	1
28	HPS126-928	Spacer	1
29	HPS67-430	Handle	1
30	HPS126-930	Plate	2
31	HPS126-931	Roller	4
32	HPS126-932	Roller Bracket	4
33	HPS126-933	Guard	1
34	HPS126-934	Guard	1
35	HPS126-935	Insert	2
36	HPS126-936	Frame	1
37	HPS126-937	Plate	2
38	HPS126-938	Spacer	3
39	HPS126-939	End Plate	1
40	HPS126-940	Bracket	1
41	HPS126-941	Support Bracket	1
42	HPS126-942	Spacer	1
43	TS-1550071	Flat Washer, M10	5
44	TS-1504021	Socket Head Cap Screw, M8 x 12	2
45	TS-2311081	Hex Nut, M8	12
46	TS-1541031	Hex Nut Nylon Lock, M8	12
47	TS-2361081	Lock Washer, M8	1
48	TS-1550061	Flat Washer, M8	4
49	TS-1504041	Socket Head Cap Screw, M8 x 20	2
50	TS-1490021	Hex Head Cap Screw, M8 x 16	2
51	HPS126-951	Self Tapping Screw	2
52	TS-1541021	Nylon Lock Hex Nut, M6	1
53	TS-1503071	Socket Head Cap Screw, M8 x 16	1

PARTS LIST: **Over Arm Guard Assembly** (HPS126) continued

No.	Part No.	Description	Quantity
54	TS-1490021	Hex Head Cap Screw, M8 x 16	2
55	TS-2205101	Hex Head Cap Screw, M5 x 10	8
56	TS-2310051	Hex Nut, M5	8
57	TS-1532042	Phillips Pan Head Machine Screw, M4 x 12	4
58	TS-1482081	Hex Head Cap Screw, M6 x 40	4
59	TS-2246101	Flat Head Socket Cap Screw, M6 x 10	4
60	TS-1490041	Hex Cap Screw, M8 x 25	4
61	TS-1524021	Socket Set Screw, M8 x 10	2
62	TS-1515031	Flat Head Socket Cap Screw, M8 x 25	4
63	TS-2248451	Flat Head Socket Cap Screw, M8 x 45	1
64	TS-1490091	Hex Head Cap Screw, M8 x 50	3
65	TS-2278301	Socket Set Screw, M8 x 30	1
66	TS-1505141	Socket Head Cap Screw, M10 x 90	4
67	TS-2311101	Hex Nut, M10	4

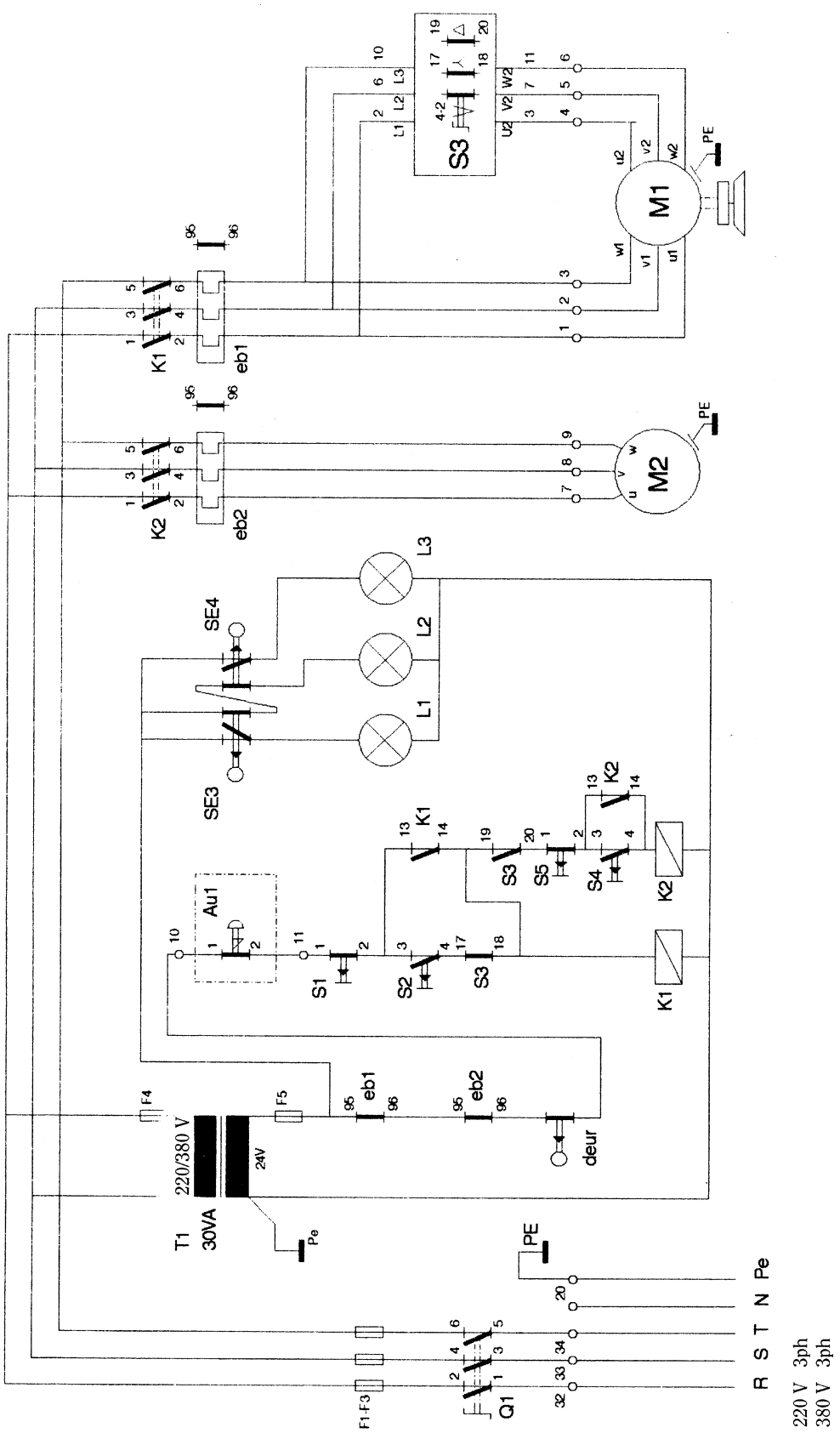
Over Arm Guard Assembly (HPS126)



PARTS LIST: **Electrical Components Spare Parts List** (HPS126)

Part No.	Description	Quantity
HPS67-801	Main Switch	1
HPS126-801	Main Fuse 25A	3
HPS126-802	Primary Transformer Fuse, 0.5A, 6 x 20mm	1
HPS126-803	Secondary Transformer Fuse, 2A, 6 x 20mm	1
HPS126-804	Fuse Holder	1
HPS126-805	Thermal Overload Main Motor, 16-22A	1
HPS126-806	Thermal Overload Scoring Motor, 2.8-4.4A	1
HPS126-807	Micro Switch (for Door)	1
HPS67-808	Transformer, 230-400-24V 40VA	1
HPS126-808	Emergency Stop Switch, AU1	1
HPS126-809	Magnetic Starter Main Motor	1
HPS126-810	Magnetic Starter Scoring Motor	1
HPS126-811	Micro Switch (RPM Indicator)	1
HPS126-812	Micro Switch (Saw Blade Cover)	1
HPS126-813	RPM Indicator Lights 24V	1
HPS67-811	Emergency Stop Switch AU2	1
HPS67-812	Emergency Stop Electrical Cabinet	1
HPS67-814	Start (Saw Motor)	1
HPS67-815	Start (Scoring Motor)	1
HPS67-816	Star-Delta Switch (3.7 kW)	1

Electrical Schematic (HPS126)



To order parts or reach our service department, please call our toll-free number between 7:00 a.m. and 6:00 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 stock number of the part(s) required from your parts manual will also expedite your order.

Phone No.: (800) 274-6848
Website: www.wmhtoolgroup.com

POWERMATIC®

WMH Tool Group
2420 Vantage Drive
Elgin, Illinois 60123
Phone: 800-274-6848
www.wmhtoolgroup.com