

SuperMax^{BY LAGUNA}[®]

25-50 Drum Sander

Owner's Manual



LAGUNA



Shown with optional casters

SKU: SUPMX-72550-OP

LAGUNATOOLS.COM

CONGRATULATIONS:

Thank you for investing in a 25-50 drum sander. This sander is one of a family of unique machines proudly offered by Laguna Tools. Every Laguna machine is engineered for years of dependable service. Please feel free to contact Laguna Tools if you have a question or suggestion. We appreciate working with you and your choice of a Laguna Tools machine for your shop.

Regards, Torben Helshoj
President & Founder Laguna Tools

Your 25-50 drum sander is one of a family of machines from Laguna Tools designed to help you achieve results comparable to industrial-size sanders at a fraction of the cost. For future reference, find the model, stock and serial numbers on the back of machine base and write them in below.

Model: _____

Date Purchased: _____

Stock Number: _____

Distributor: _____

Serial Number: _____

LATEST MANUAL:

Below is a QR code which will direct you to the manual reference page, where the latest version of the 25-50 sander manual is located on the Laguna Tools website. The online manual may have updates and information added after the printed copy was released. Scan the code with your smartphone or copy the URL link to be directed to the latest manual page to reference your specific machine and model.

<https://lagunatools.com/resources/product-manuals/#classic>



25-50 DRUM SANDER

STOCK NO. 72550
POWER. 115V 15A 60Hz
SERIAL NO.



Taiwan TCP

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WARRANTY & REGISTRATION

Thank You!

Welcome to the Laguna Tools® group of discriminating machinery owners. We understand that you have a choice of where to purchase your machines and appreciate the confidence you have in the Laguna Tools® brand.

Through hands-on experience, Laguna Tools® is constantly working hard to make innovative, precision products. Products that inspire you to create works of art are a joy to operate and encourage your best work.

Laguna Tools®
Imagination, Innovation, and Invention at Work

Warranty & Registration

Every product sold is warranted to be free of manufacturer's defective workmanship, parts, and materials. For any questions about this produce, the intended use or what it was designed for, customer service, or replacement parts, please contact our customer service department:

Laguna Tools® Customer Service
744 Refuge Way, Grand Prairie, Texas 75050, USA
1-800-234-1976
customerservice@lagunatools.com
www.lagunatools.com/why/customer-service/
8AM. To 5PM PSF. Monday through Friday

For warranty claims or to report damage upon receiving-please reach out to our warranty department:

Laguna Tools® Warranty Service
744 Refuge Way, Grand Prairie, Texas 75050, USA
1-800-234-1976
customerservice@lagunatools.com
www.lagunatools.com/policies/warranty
8AM to 5PM PST, Monday through Friday

Registration

To prevent voiding this warranty, all products sold must be registered within thirty (30) days of receiving the product. Registering the product will enable the original purchaser to receive notifications about important product changes, receive customer service, and be able to file a warranty claim against defective workmanship, parts, or materials.



Who is Covered

The applicable warranty covers only the initial purchaser of the product from the date of receiving the product. To file such claims, the original purchaser must present the original receipt as proof of purchase.

What is Covered

The warranty covers any defects in the workmanship of all parts and materials that make up the machine unless otherwise specified. Any part determined by Laguna Tools® to have a defect will be repaired or replaced (and shipped), without charge. The defective item/part must be returned to Laguna Tools® with the complaint and proof of purchase in the original packaging that it was received in. In the event the item/part is determined to be not covered by this warranty, the customer will be responsible for the cost to replace the item/part and all related shipping charges

Warranty Limitations

This limited warranty does not apply to natural disasters, acts of terrorism, normal wear and tear, product failure due to lack of maintenance or cleaning, damage caused by accident, neglect, or lack-of inadequate dust collection. The warranty may be voided against proof of misuse/abuse, damage caused where repair or alterations have been made or attempted by others, using the product for purposes other than those described as intended use (unless with consent by Laguna Tools®), modification to the product, or use with an accessory that was not designed for the product. It is the responsibility of the user to understand basic machinery settings and procedures and to properly maintain the equipment in accordance with the standards provided in this manual.

Length of Warranty

All new machines and optional accessories sold through an authorized dealer carry a two-year warranty effective from the date of receiving the product. Machines sold for either commercial or industrial use have a one-year warranty. Wearable parts like throat plates, bandsaw guides, etc., have a ninety-day warranty.

Table A-1 Warranty Lengths

2 Year – New Machines Sold Through an Authorized Dealer
2 Year – Accessories Sold as Machine Options (excluding blades)
1 Year – Machines Sold for Commercial or Industrial Use
1 Year – Blades and Accessories outside or Machine Options
90 Days – Wearable Parts

Aside from being free of defects upon receiving, consumable parts, like cutters and abrasives, are not covered by this warranty unless otherwise stated by Laguna Tools®. These parts are designed to be used at the expense of the operator and are available for replacement or inventory purchase. The determination of a consumable part will be made on a case-by-case basis by Laguna Tools®.

Shipping Damage

Laguna Tools® is not responsible for damage or loss caused by a freight company or other circumstances not in the direct control of Laguna Tools®. All shipping-related claims for loss or damage to goods must be made to Laguna Tools® within twenty-four hours of delivery.

How to Receive Support

To file a warranty-claim please contact the warranty department at 1-800-234-1976. To receive customer service or technical support please contact the customer service or technical support please contact the customer service department at 1-800-332-4049. Parts, under warranty, are shipped at the expense of Laguna Tools® either by common carrier, FedEx ground services or similar method. Technical support to install replacement parts is primarily provided by phone, fax, email, or the Laguna Tools® Customer Service Support Website.

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SAFETY RULES

1. **KEEP GUARDS IN PLACE** and in working order.
2. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
3. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
4. **DON'T USE IN DANGEROUS ENVIRONMENT.** Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.
5. **KEEP CHILDREN AWAY.** All visitors should be kept safe distance from work area.
6. **MAKE WORKSHOP CHILD PROOF** with padlocks, master switches, or by removing starter keys.
7. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
8. **USE RIGHT TOOL.** Don't force tool or attachment to do a job for which it was not designed.
9. **USE PROPER EXTENSION CORD.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table A (on the next page) shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.
10. **WEAR PROPER APPAREL.** Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.
11. **ALWAYS USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
12. **SECURE WORK.** Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool.
13. **DON'T OVERREACH.** Keep proper footing and balance at all times.
14. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
15. **DISCONNECT TOOLS** before servicing; when changing accessories, such as blades, bits, cutters, and the like.
16. **REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure switch is in off position before plugging in.
17. **USE RECOMMENDED ACCESSORIES.** Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.
18. **NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
19. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function - check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
20. **DIRECTION OF FEED.** Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
21. **NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF.** Don't leave tool until it comes to a complete stop.

Proposition 65 Warning

Some dust created by power sanding, sawing, grinding, drilling and other construction activities contain 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, cement, and other masonry products.
- **Arsenic and chromium** from chemically treated lumber.

Your risk of exposure 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 face or dust masks that are specifically designed to filter out microscopic particles.

CONSIGNES DE SÉCURITÉ

1. **MAINTENEZ TOUS LES PROTECTEURS** en place et bon état de marche.
2. **RETIREZ LES CLÉS ET OUTILS.** Prenez pour habitude de
3. **MAINTENIR VOTRE LIEU DE TRAVAIL PROPRE.** Un endroit de travail mal entretenu est source d'accidents.
4. **NE JAMAIS UTILISER DANS UN ENVIRONNEMENT DANGEREUX.** N'utilisez jamais d'outils électriques dans les endroits humides; ne les exposez jamais à la pluie. Gardez le lieu de travail bien éclairé.
5. **ÉLOIGNEZ LES ENFANTS** et les visiteurs de l'endroit de travail lorsque la machine est en marche
6. **EMPECHEZ LES ENFANTS D'UTILISER VOS OUTILS** à l'aide de cadenas, d'interrupteurs électriques principaux et d'interrupteurs à clés.
7. -
ritaire si vous utilisez un outil pour effectuer ce pour quoi il a été conçu.
8. **UTILISEZ LE BON OUTIL DE TRAVAIL.** Ne forcez pas un pas été conçu.
9. **UTILISEZ UNE RALLONGE ÉLECTRIQUE ADÉQUATE.** Assurez-vous que la rallonge est en bon état et que son ampérage est adapté à la machine. Une rallonge sous-calibrée entraîne une chute de tension, causant perte de puissance et surchauffe. Le tableau A (voir page suivante) indique l'ampérage adéquat en fonction de la longueur du câble et de l'ampérage nominal indiqué sur la plaque signalétique de la machine. En cas de doute, utilisez un câble d'ampérage immédiatement supérieur.
10. **PORTEZ DES VÊTEMENTS APPROPRIÉS.** Ne pas porter de vêtements amples, de gants, de bracelets, de colliers et autres bijoux pouvant être happés par les parties mobiles de la machines. Portez des chaussures antidérapantes et rassemblez et couvrez les cheveux longs pour évitez que ceux-ci se prennent dans les parties mobiles de la machine.
11. **PORTEZ TOUJOURS DES LUNETTES DE SÉCURITÉ.** Portez toujours un masque de protection du visage ou respiratoire si la poussière est abondante. Les lunettes de vue ne sont pas des lunettes de sécurité et ne sont pas conçues pour résister aux impacts.
12. **TRAVAIL SÉCURITAIRE.** Utilisez des serres ou un étau pour maintenir la pièce en place lorsque c'est pratique. Plus sécuritaire, cela vous permet aussi de garder les mains libres pour manier un outil s'il y a lieu.
13. **ÉVITEZ DE TRAVAILLER** dans une position inconfortable ou instable. Gardez les deux pieds au sol en tout temps.
14. **ENTRETENIR VOS OUTILS AVEC SOINS.** Pour une meilleure performance et plus de sécurité, veillez à la propreté et le changement d'accessoires, suivez toujours les instructions fournies.
15. **DÉBRANCHEZ TOUJOURS LA PONCEUSE** avant de changer des accessoires comme les lames, forets, couteaux ou autres.
16. **REDUIRE LE RISQUE DE DÉMARRAGE NON INTENTIONNEL.** Assurez-vous que l'interrupteur est en position "OFF" avant de brancher la machine à une source électrique.
17. **UTILISEZ SEULEMENT LES ACCESSOIRES RECOMMANDÉS.** Consultez votre manuel les accessoires recommandés. L'utilisation de pièces et d'accessoires non recommandés augmente les risques de blessures.
18. **NE MONTEZ JAMAIS SUR LA PONCEUSE.** Vous risquez de subir de graves blessures si celle-ci bascule ou est mise en marche par mégarde.
19. **INSPECTEZ BIEN LES PIÈCES ENDOMMAGÉES** avant utilisation. Les protecteurs et pièces endommagés de-
des pièces en mouvement, les obstacles, bris, montures et points d'attache affectant l'opération sécuritaire de la machine. Un protecteur ou une pièce endommagée devrait être immédiatement remplacé.
20. **DIRECTION DE L'ALIMENTATION.** Passez la pièce de travail dans la ponceuse contre le sens de rotation du tambour.
21. **NE LAISSEZ JAMAIS LA MACHINE EN FONCTION SANS SURVEILLANCE. METTEZ-LA HORS TENSION.** Attendez qu'elle soit complètement arrêtée avant de quitter l'endroit de travail.

Certaines particules issues des opérations de ponçage, sciage, meulage, perçage ou d'autres procédés de fabrication contiennent des composés chimiques connus pour être à l'origine de cancers, de malformations congénitales et de troubles de la santé reproductive. Ces composés chimiques peuvent être:

- Le **plomb** contenu dans certaines peintures à base de plomb.
- La **silice cristalline** contenue dans les briques, le ciment et les matériaux de maçonnerie.
- L'**arsenic** et le **chrome** issus du traitement chimique des planches de bois.

Les risques encourus dépendent de la fréquence d'exposition à ces composés chimiques. Pour réduire l'exposition à ces com-

les masques respiratoires ou antipoussières spécialement conçus pour empêcher l'inhalation de micro-particules.

TABLE A - MINIMUM GAUGE FOR CORD

AMPERAGE RATING		VOLTS	TOTAL LENGTH OF CORD (IN FEET)			
-	-		120	25	50	100
-	-	240	50	100	200	300
MORE THAN	NOT MORE THAN	MINIMUM GAUGE FOR CORD				
0	6	-	18	16	16	14
6	10	-	18	16	14	12
10	12	-	16	16	14	12
12	16	-	14	12	Not recommended	

GROUNDING INSTRUCTIONS**1. All grounded, cord-connected tools:**

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

- Do not modify the plug provided - if it will not fit the outlet, have the proper outlet installed by a qualified electrician.
- Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, **DO NOT CONNECT** the equipment-grounding conductor to a live terminal.
- Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.
- Use only 3-wire extension cords that have 3-prong grounding plugs and 3 pole receptacles that accept the tool's plug.
- Repair or replace damaged or worn cord immediately.

2. Grounded, cord-connected tools intended for use on a supply circuit having a nominal rating less than 150 V:

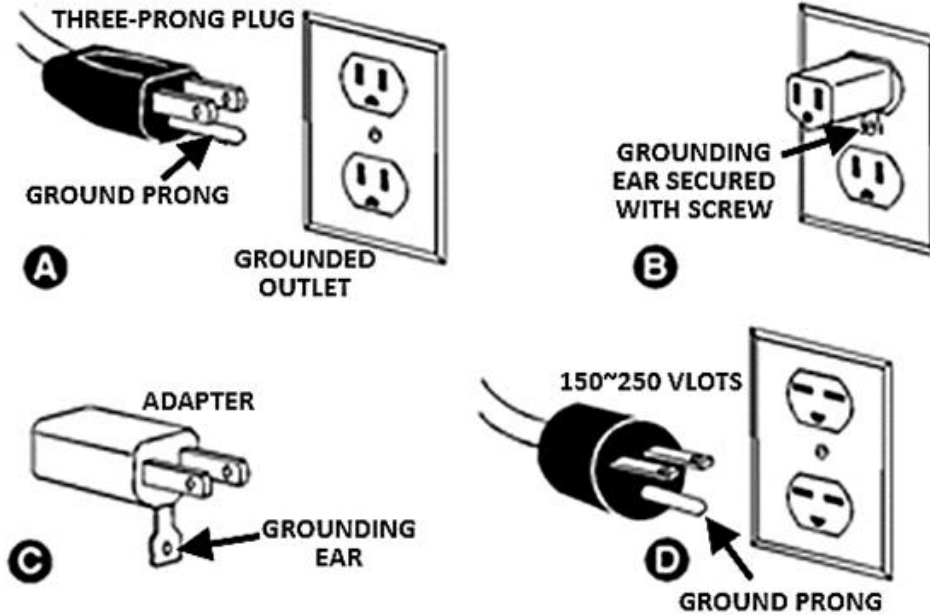
- This tool is intended for use on a circuit that has an outlet that looks like the one illustrated in sketch A in Fig. 1. The tool has a grounding plug that looks like the plug illustrated in sketch A in Fig. 1. A temporary adapter, which looks like the adapter illustrated in sketch B and C, may be used to connect this plug to a 2 pole receptacle as shown in sketch B if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet can be installed by a qualified electrician. **This adapter is not permitted in Canada.** The green-colored rigid ear, lug, and the like, extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box.

3. Grounded, cord-connected tools intended for use on a supply circuit having a nominal rating between 150 – 250 V, inclusive:

- This tool is intended for use on a circuit that has an outlet that looks like the one illustrated in sketch D. The tool has a grounding plug that looks like the plug illustrated in sketch D. Make sure the tool is connected to an outlet having the same configuration as the plug. No adapter is available or should

be used with this tool. If the tool must be reconnected for use on a different type of electric circuit, the reconnection should be made by qualified service personnel; and after reconnection, the tool should comply with all local codes and ordinances.

Fig. 1: Grounding Methods



SPECIFICATIONS

Maximum Width	50" (2 passes)
Minimum Length	2-1/4"
Maximum Thickness	4"
Minimum Thickness	1/32"
Dimensions	36" x 42" x 24" (without stand)
Drum diameter	5" diameter - 1740 rpm.
Dust port diameter	4"
Height Adjustment	1/16" per revolution (depth scale included)
Conveyor Motor	Direct drive D.C. motor; Infinitely variable 0 - 10 ft/min
Drive Motor (TEFC)	1-3/4 HP - Continuous-duty
Power Requirements	110 V, 1 Ph, 20 A
Shipping Weight (3 boxes)	370 lbs (weight varies on how equipped)

ABOUT THE DRUM SANDER

This manual is designed to help familiarize you with your SuperMax Tools drum sander, and to help you take advantage of its exclusive features. By understanding its major components, and how they work together, you will be able to get the most from your investment.

The SuperMax Tools drum sander is basically made up of:

1. Height adjustment handle of the drum.
2. Depth scale.
3. Knob to start conveyor and select feed rate.
4. Starts and stops drum motor.
5. Drum carriage.
6. Tension roller contact adjustment.
7. Conveyor table.



Shown with optional casters

UNPACKING THE DRUM SANDER

Your 25-50 drum sander has been shipped mostly assembled from the factory. If any damage has occurred as a result of shipment, notify the transportation company as soon as possible and ask them to make an immediate inspection. Ask for a damage or loss report. Also notify your distributor of any loss or damage during shipment. See enclosed Warranty Statement.

NOTE: Before setting up make sure that the space is adequate for your new equipment. We also recommend that there is more than one person available for lifting and initial set up procedures.



TO AVOID PROBLEMS AND POTENTIAL DAMAGE TO THE MACHINE, PLEASE READ THROUGH THE UNPACKING INSTRUCTIONS BELOW BEFORE PROCEEDING TO SET UP THE MACHINE IN YOUR SHOP.



1

Assemble the SuperMax Tools 25-50 drum sander Open Stand (shown) or optional Closed Stand. Or if you have chosen to use your own bench, prepare the bench for the sander attachment.

NOTE: See Stand manual included in the Stand shipping box for stand set-up and directions.



2

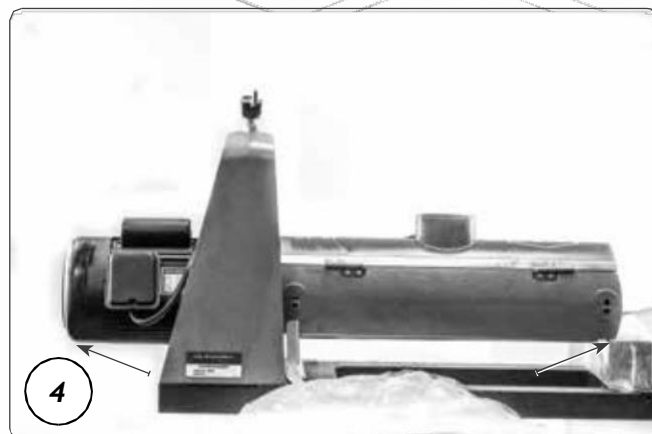
Open box 1 that contains the main sanding unit. Remove the cardboard liner. Open the plastic bag enclosing the sanding unit.

NOTE: There will be a small container of hardware included with your sander. This container will include everything needed to set up your sander (see above).



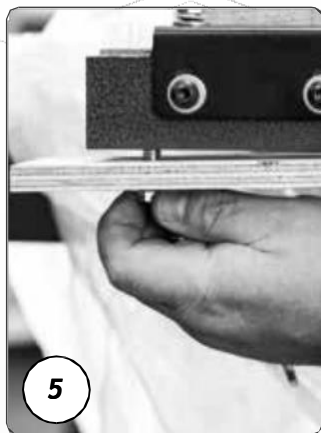
3

Cut each corner of BOX 1 to fold sides flat, providing access to sanding unit.



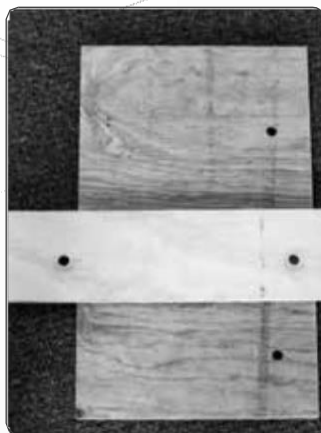
4

With one or two helpers, place the sanding unit on stand or bench (lift points marked).



5

Remove the two wooden packing plates from bottom of the sanding unit using the enclosed wrench and keep wrench for future adjustments.



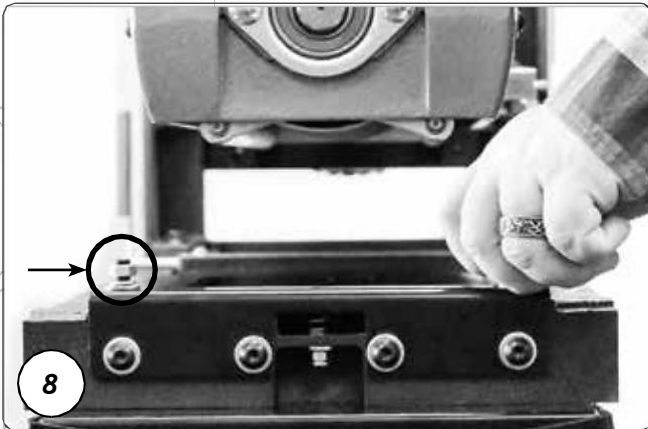
NOTE: These bolts that you just removed from the packing plates will work as your bolts for attaching the sander to a stand or as extra bolts for future replacement.



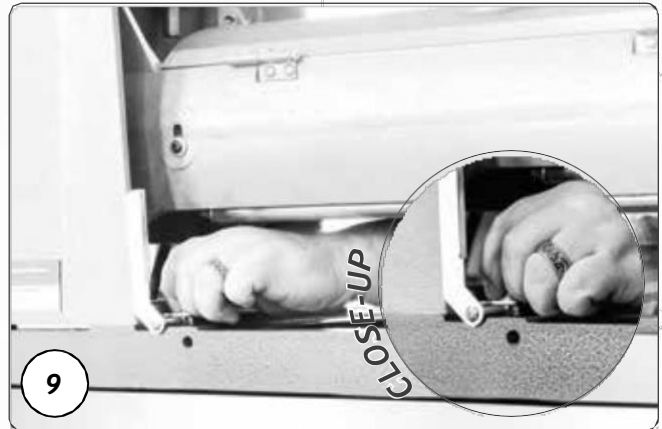
6
Install knob to height adjustment handle. First, finger tighten nut to knob. Thread stud from knob into hand wheel and tighten nut against hand wheel.



7
Turn the handle and raise sanding head to higher position to remove packing block from under carriage arm.



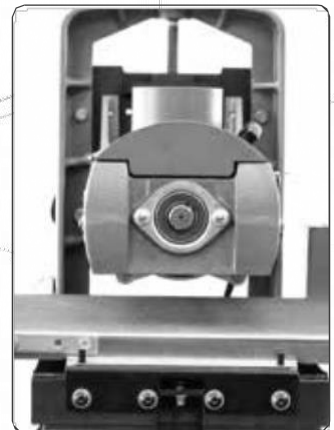
8
To prepare the unit for the installation of the conveyor belt, first remove the 2 bolts on the outboard (left) side of the conveyor belt.



9
Next remove the 2 bolts on the inboard (right) side of the conveyor belt.



NOTE: Leave the silver plate, which is near the fast lever and under the motor, in place when removing bolts.



10
Open box 2 and remove conveyor from packaging and place on sanding unit. The conveyor motor should be nearest to the main motor and depth gauge.



NOTE: The fast lever should be in the upright position for installation of the sanding unit. The fast lever raises the inboard (right) side of conveyor up. Do not ever tighten the bolts all the way down. The fast lever should always be able to be moved back and forth between and up/down position. The bolts should be tightened, but not so tight that the fast lever doesn't move. The lever should be able to move from the down to up position easily.



11

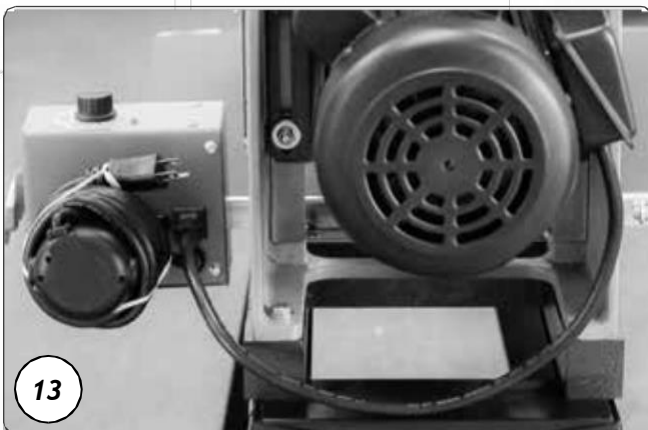
Install lock washer and flat washer onto two socket heads (or hex head bolts) and install into flange of conveyor bed on inboard (right) (motor side). Keep support plate in place on inboard (right) side and make sure the fast lever is positioned up.



12

Install two lock washers and two flat washers on the studs on outboard (left) side of the conveyor belt, then tighten all nuts and bolts with wrench.

NOTE: Do not completely tighten bolts with fast lever. See note above.



13

Plug the short power cord that is attached to the motor into the outlet on the control box. This cord will provide switched power for the motor when the machine is plugged into the power source.



14

Check your power supply to make sure that it is adequate (110 V, 20 A required) but do not plug the machine into the power supply until it is fully set-up.

SETTING UP THE DRUM SANDER

Your SuperMax Tools 25-50 sander should now be in place and ready for the final set-up. The sander was adjusted and aligned at the factory. However simple alignment checks will ensure that everything is in perfect order. Problems can be avoided if these essential checks and set-up procedures are performed prior to operation.

CHECKING DRUM ALIGNMENT

Checking the alignment before using the sanding drum is necessary to make sure that the drum is parallel.

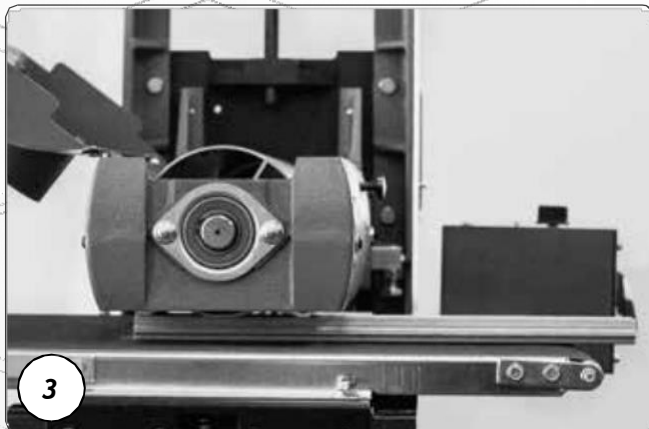


Remove the abrasive on the drum. Removing the abrasive is necessary to make sure that the adjustment is as accurate as possible and the texture on the abrasive will make the adjustment imprecise.



Locate the height adjustment handle for raising and lowering the sanding head.

NOTE: The height adjustment handle controls the drum height. Turning the handle raises or lowers the sanding head. One revolution of the handle raises or lowers the head by 1/16 of an inch.



Use a flat, uniform piece of wood as a thickness gauge. Insert it between the conveyor belt and the drum on the inboard (right) side of the machine.

The tension rollers are set just below the drum enough so that items cannot pass easily underneath. Use the height adjustment handle as necessary to ensure that the piece of wood makes contact with the drum



After you place the piece of wood between the conveyor belt and the drum, rotate the height adjustment handle up one full turn. After the height has been adjusted the wood piece may be removed.

NOTE: You have to repeat these steps on the outboard (left) side of the machine using the same procedure. As you check look to make sure that the drum is parallel. A simple visual check that the drum is parallel is sufficient.

If the drum is not parallel, loosen the 4 socket head screws **A** (these screws are along the outboard (left) side of the conveyor belt) and raise or lower the conveyor with the adjustment nut **B** to achieve parallel alignment. Then tighten the four socket head screws.

To achieve parallel alignment on the inboard (right) side of the machine, repeat steps 3 and 4, then adjust the alignment if needed by loosening the 4 socket head screws located along the outboard (left) side of the conveyor and turning the height adjustment nut of the conveyor.

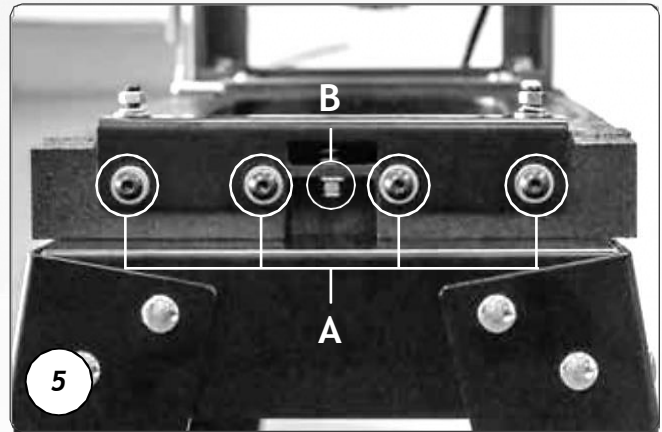
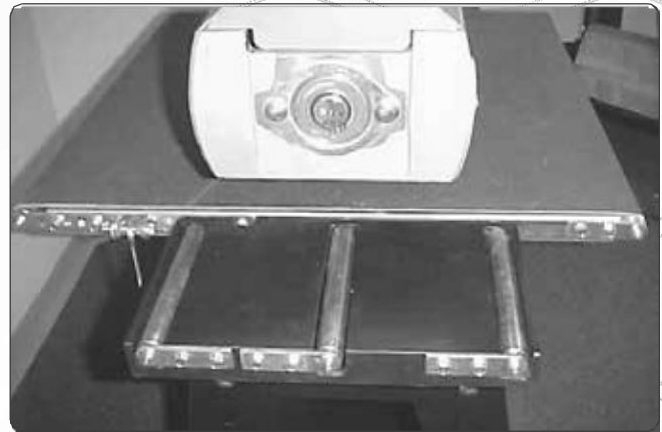


TABLE EXTENSION ATTACHMENT

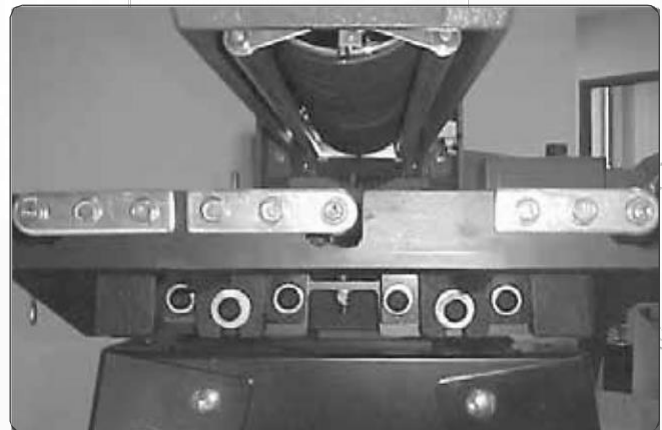
1. Attach table extension (see opposite pictures) using two 5/16 x 1" socket head cap screws, two lock washers and two flat washers. Finger tighten.
2. Align top of cast iron extension table with top of steel conveyor bed.
3. Tighten the two socket head cap screws.
4. To align table extension rollers with top of conveyor belt loosen the two small hex bolts holding the bracket for the support rollers.

NOTE: The rollers should be level with or slightly below the surface of the conveyor belt. It is important to keep the surface of the rollers at or below the height of the conveyor belt.



CONNECTING DUST COLLECTORS

Dust collection is necessary for the SuperMax Tools 25-50 drum sander. The sander comes equipped with a 4" diameter dust exhaust port at the top of the cover. Check to make sure that the minimum dust requirements are sufficient. To attach to your collection system, install 4" hose from your collector. The minimum recommended dust collector capacities is 600 cfm. For best results, follow the recommendations of the manufacturer of your dust collection equipment. When connecting dust collectors straight pipe is preferred because it is the least restrictive for airflow. If straight pipe is not possible Y's and elbows are preferred because they are less restrictive to airflow than T's.



NOTE: Some applications will require more dust collection than the recommended minimum.

POWER AND ELECTRICAL SAFETY

The SuperMax Tools 25-50 drum sander requires 110 V, single-phase 20 A service. After the dust collection system is in place and the drum alignment is checked your machine should be ready to be powered up and operated.



SAFETY NOTE: DO NOT REWIRE THE SUPERMAX TOOLS 25-50 DRUM SANDER TO 220 VOLT. ALWAYS DISCONNECT ELECTRICAL POWER BEFORE DOING ANY SERVICING OR ADJUSTING OF THE MACHINE.

ABRASIVE SELECTION GUIDE

GRIT COMMON APPLICATION

24 Grit	Abrasive planing, surfacing rough-sawn boards, maximum stock or glue removal
36 Grit	Abrasive planing, surfacing rough-sawn boards, maximum stock or glue removal
50 Grit	Surfacing and dimensioning boards, trueing warped boards
60 Grit	Surfacing and dimensioning boards, trueing warped boards
80 Grit	Light dimensioning, removal of planer ripples
100 Grit	Light surfacing, removal of planer ripples
120 Grit	Light surfacing, minimal stock removal
150 Grit	Finish sanding, minimal stock removal
180 Grit	Finish sanding only, not for stock removal
220 Grit	Finish sanding only, not for stock removal

INSTALLING AND WRAPPING ABRASIVES

Accurate attachment of the abrasive strip to the drum is critical to achieving the top performance from your SuperMax Tools 25-50 drum sander.

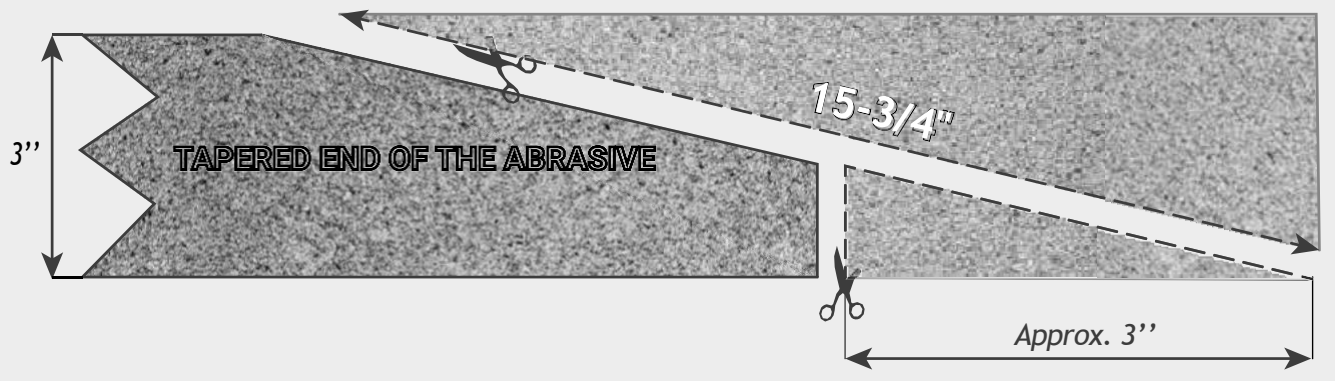
WRAPPING ABRASIVES

Abrasive strips do not have to be pre-measured. The end of the roll is first tapered and attached to the outboard (left) side of the drum. Then the strip is wrapped around the drum, and the second taper is made for attachment to the inboard (right) side of the drum. To attach a strip to the drum, follow the procedure below.

Drum width: 25"

Tip-to-tip: 144-1/4"

Wrap ready to install: 138-1/4"



NOTE: Pre-cut wraps have been factory tapered to the specific width of your drum. If you are cutting your own abrasive, use the wrap that came on the drum as a template or the template below (abrasive side up).

WRAPPING ABRASIVES



Mark and cut a taper at one end of the roll as shown above. Because the tapered end should use most of the left (outboard) slot width, its end must be trimmed. Start on the left (outboard) side of the drum.

Pinch or squeeze the clip lever on the left (outboard) side of the drum. Insert the tapered end through the slot and into the fastener so that it uses most of the width of the slot. Release the clip lever to securely hold the wrap end in the fastener.

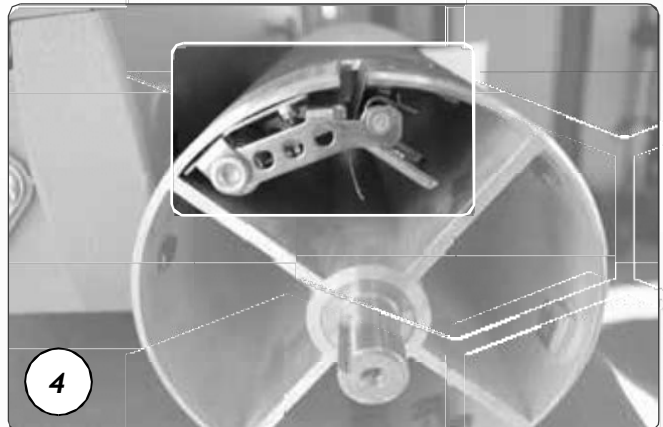


Wind the wrap around the drum, being careful not to overlap the windings. The tapered cut of the wrap end should follow the edge of the drum.

Continue to wrap the abrasive in a spiral fashion by rotating the drum with your left hand and guiding the wrap with your right hand. Successive windings of the wrap should be flush with previous windings without any overlap.



Pinch or squeeze the clip lever to open the clip, and pull the take-up lever to the top. Insert the tapered end through the slot in the inboard (right) end of the drum.



The take-up fastener is designed to automatically take up any slack caused by stretching of the abrasive wrap. The abrasive wrap may stretch enough in use to allow the take-up lever to reach its lowest position so it no longer is able to maintain tension on the wrap.

If this occurs, it will be necessary to reset the take-up lever by raising it, pushing the wrap end into the slot, and then releasing the clip lever.

NOTE: Take notice that for detail only the drum was removed to show the inboard (right) take-up fastener.

PROPER ABRASIVE WRAP POSITION

Position the abrasive wrap in the slot with sufficient room between the inside of the slot and the tapered end of the wrap to allow it to be pulled into the drum as needed (see opposite picture). If enough space is not left between the wrap and the inside of the slot the take-up fastener will not operate properly.

ABRASIVE WRAP TENSION ADJUSTMENT

The abrasive wrap may stretch enough in use to allow the take-up lever to reach its lowest position. If this occurs then tension is not longer maintained on the abrasive wrap. To fix this reset the take-up lever by raising it, pushing the abrasive wrap into the slot and then releasing the clip lever.



MAXIMIZING ABRASIVE LONGEVITY

A sandpaper cleaning stick may be used to remove deposits and help extend the life of the abrasive.

1. To use the cleaning stick, operate the sanding drum with the dust cover open and dust collection on.
2. Hold the cleaning stick against the rotating drum and move it along the drum surface.
3. Use a shop brush to remove any cleaning stick remnants from the drums before resuming sanding operations.



FOR YOUR OWN SAFETY ALWAYS WEAR EYE PROTECTION WHILE PERFORMING ABRASIVE CLEANING AND TAKE ALL PRECAUTIONS TO AVOID ANY CONTACT WITH HANDS OR CLOTHING ON THE UNCOVERED.

OPERATING THE 25-50 DRUM SANDER

Your sander will be able to perform an infinite variety of sanding projects all designed to your specifications. With some time and experimentation the proper setting and technique for each job will become apparent.

DRUM DEPTH OF CUT

Determining the depth of cut is the most important operating procedure decision. It may take some experimentation to determine the proper depth of cut. The crucial variables to keep in mind are abrasive grit, type of wood, project type, and conveyor feed rate. We recommend practicing on a scrap of wood prior to sanding a project.

• Depth Scale Operation

The depth scale (see opposite picture) measures the distance between the conveyor table and the bottom of the sanding drum. The sanding head must be parallel to the conveyor bed surface.

1. To calibrate the depth scale, loosen the two screws holding the scale. Lower the drum (with abrasive installed) until the drum touches the conveyor belt.
2. Slide the scale to align with the pointer at the "0" mark. Tighten the two screws holding the scale.

An optional DRO (digital read out) for depth is available (see opposite picture). This offers the most precise reading of sanded thickness and allows for accurate repeatability of a thickness. Great when making parts that must be an exact thickness or when matching a thickness.



1. To operate, turn ON and select standard inch “in” or metric millimeter “mm”.
2. Lower drum, with abrasive installed, until it touches the conveyor belt. Press “zero” button to calibrate.

• Using Thickness Gauge

Another method to set depth of cut is to use the thickness gauge attached to the inboard (right) side of the sander (see opposite picture). The gauge must be adjusted to the same height as the abrasive in use.

1. Place a flat piece of scrap stock under the drum with the abrasive in place. Lower the drum until the abrasive lightly touches the scrap piece of stock.
2. Without changing the height, place the scrap stock under the thickness gauge. Adjust the bottom of the gauge by loosening the large nut and rotating the gauge up or down until it lightly touches the scrap piece of stock.
3. Tighten the large nut. Now the stock can be placed under the thickness gauge and the drum lowered until the gauge lightly touches the stock to be sanded. By using this method the stock does not need to be carried under the drum to set depth of cut.



A good rule of thumb when sanding is to place the stock under the drum and lower the sanding head until the stock is in contact with the drum but the drum can still be rotated by hand. Normally as the depth of cut is adjusted the handle will be rotated no more than a third of a turn at any time. INTELLISAND will help with this process.

CONVEYOR AND SPEED RATE

After the depth of cut has been determined, selecting the proper feed rate is essential. For finish sanding the best finish is usually achieved with a slow to moderate feed rate. This allows for the most revolutions of the drum per inch of sanding. Faster feed rates can be used as long as the machine is not over-stressed.

When finish sanding with grits finer than 80, the best finish can usually be obtained if INTELLISAND does not engage. If INTELLISAND does slow the conveyor when finish sanding, it is best to make another sanding pass without changing the thickness setting and sand again.

NOTE: INTELLISAND will automatically adjust the conveyor feed rate if an excess load is detected. This prevents excessive gouging, reduces the risk of burning and protects the machine from overload or stalling. The red light by the adjustment knob will come on when INTELLISAND is operating. When the load is decreased, INTELLISAND will automatically increase the feed rate to the pre-selected speed.

STOCK FEEDING OPERATION

To feed stock through the sander rest the stock and hold the stock to be sanded on the conveyor table. Allow the conveyor to carry the stock into the drum. Once the stock is halfway through, reposition yourself to the outfeed side of the machine to receive and control the stock as it exits the unit.

STOCK FEEDING MAXIMUM PERFORMANCE

The built-in versatility of the SuperMax Tools 25-50 drum sander allows it to be used for a wide range of tasks. Learning to use the multiple controls to make adjustments will allow you to fine tune the machine for maximum results no matter what the job. The best results come from experimenting with different machine adjustments to best fit the job at hand.

• Sanding multiple pieces simultaneously

When sanding multiple pieces at once, make sure to stagger or step the pieces across the width of the conveyor belt. This position provides better contact with the tension rollers. It is best to only process multiple pieces that are all of a similar thickness. If there is a thickness difference the thinner pieces may not come in contact with the tension rollers and may slip on the conveyor belt.

- **Sanding stock wider than the drum**

When dealing with stock that is wider than the drum the fast lever will be very useful (see opposite picture). Wide stock may require extra space between the drum and conveyor along the outboard (left) edge. The extra space will help prevent an overlap line or ridge from developing along the sanded part where it extends beyond the sanding drum.

Adjusting the fast lever approximately half-way between the full upright and full downright position allows for easy alteration of the drum position in relationship to the conveyor without changing the initial drum alignment.

It is a good idea to test a scrap piece of stock prior to sanding. If a line or ridge is still visible after adjusting the fast lever additional adjustments can be made to the drum alignment. After sanding stock wider than the drum the fast lever should be adjusted back to the original position. The fast lever should be put into the up position.



NOTE: The fast lever raises the inboard (right) side of the table .003. Never tighten the bolts all the way down. The fast lever should always be able to be moved back and forth between an up/down position. The bolts should be tightened, but not so tight that the fast lever doesn't move.

- **Sanding Imperfect or Tall Stock**

To avoid bodily injury take special care when sanding stock that is twisted, bowed or otherwise varied in thickness from end to end. If possible support such stock as it is being sanded to keep it from slipping or tipping. Use extra roller stand, assistance from another person, or hand pressure on the stock to minimize potentially hazardous situations. When sanding high or tall stock special attention is necessary to prevent tipping or slippage. Extra care may be needed as the stock exits the machine.

- **Stock Feeding Position and Angle**

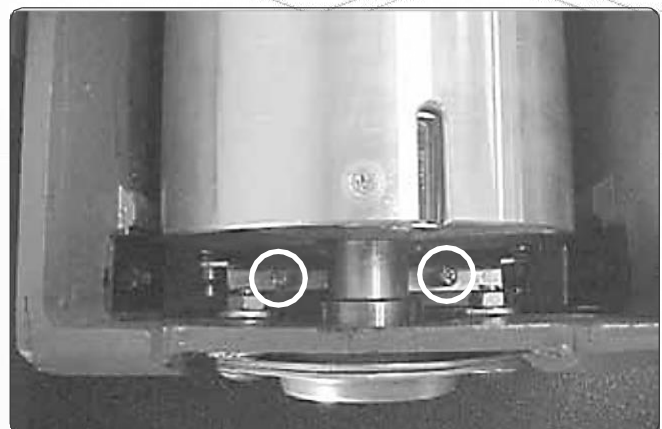
Positioning the stock at an angle will allow the most effective stock removal and least loading on the abrasives. Feeding stock straight through yields the widest sanding capacity and least noticeable scratch pattern. Some pieces because of their dimensions will need to be fed into the sander at a 90-degree angle, which will be perpendicular to the drum. However, even a slight offset angle of the stock can provide for more effective sanding. Final pass sanding should be done following the grain pattern.

TENSION ROLLER PRESSURE

The tension roller pressure is factory set and should be adequate. However, the pressure of each roller can be adjusted as needed.

To increase the tension turn the tension adjusting screw clockwise 1/4 revolution at a time. To decrease tension turn the adjusting screw counter-clockwise 1/4 revolution at a time (see opposite picture).

NOTE: Too little pressure can result in slippage of stock on conveyor belt or kick-back. Too much tension can cause snipe when drum sanding.



TENSION ROLLER CONTACT ADJUSTMENT

The tension rollers are factory set for the most versatile use.

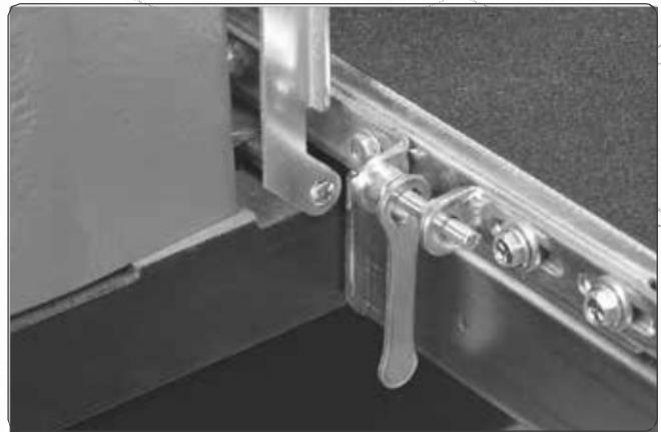
1. If necessary, to adjust tension roller contact, loosen the four socket head screws holding the tension roller brackets (two per side; front and back – shown in opposite picture).
2. Have abrasive wrapped on drum.
3. With machine unplugged, lower sanding drum until it rests on conveyor belt.
4. Raise drum 2 to 3 revolutions.
5. Tighten the four socket head screws (two per side; front and back).
6. Raise drum up, off of the conveyor belt.
7. Set drum for proper sanding height and process stock.



CONVEYOR BELT TENSION

Insufficient belt tension will cause slippage of conveyor belt on the drive roller during sanding operation. The conveyor belt is too loose if it can be stopped by hand pressure applied directly to the top of the conveyor belt. Excessive belt tension can result in bent rollers, premature wearing of the bronze bushings or conveyor belt.

To adjust the tension of the conveyor belt, first adjust the take-up screw nut on both sides of the conveyor to obtain approximately equal tension on both sides of the belt when taut (see opposite picture).



CONVEYOR BELT TRACKING

Belt tracking adjustments are made while the conveyor belt is running. After the proper belt tension is obtained turn the conveyor unit on and set it at the fastest speed setting. Watch for a tendency of the conveyor belt to drift to one side of the conveyor.

To adjust the belt tracking, tighten the take-up screw nut on the side the belt is drifting toward, and loosen the take-up screw nut on the opposite side. Adjusting the take-up screw nuts on either side of the conveyor allows belt-tracking adjustments to be made without affecting belt tension. Note: Adjust the take-up screw nuts only 1/4 turn at a time. Then allow time for the belt to react to the adjustments before proceeding further. Avoid over-adjustments.

MAINTENANCE

MONTHLY MAINTENANCE CHECKLIST

- Lubricate conveyor bushings and check for wear.
- Lubricate with a dry lubricant spray all of the moving parts, such as threaded rods and washers.
- Clean dust from conveyor belt.
- Check all set screws for tightness.
- Clean drum and abrasives if necessary.

REPLACING CONVEYOR BELTS

To replace the conveyor belt, the conveyor assembly must be removed from the machine.

1. Raise the drum carriage to its highest position using the height adjustment handle.
2. Turn off power source to machine. Unplug main drive motor from receptacle (in gear motor assembly).
3. Loosen the conveyor take-up screws to relieve belt tension and slide the drive roller fully inward.
4. Remove the two Allen head bolts on the inboard (right) side that attach the conveyor assembly to the base. Remove the two nuts and washers from outboard (left) side (see opposite picture).
5. Lift the conveyor and remove it from the sander.
Set conveyor on motor side. Avoid tearing the belt on any edges underneath the conveyor bed during removal. Reverse the procedure for re-installation. Re-install the conveyor bed to sander.



CLEANING THE MACHINE

The sander may need to be cleaned more frequently depending upon frequency of use. The drum and the conveyor belt need to be clean. Allowing excess build-up of dust and debris can adversely affect performance and increase the likelihood of slippage on the conveyor belt. Sweep the conveyor belt clean after all operations. When cleaning dust from the drum leave the dust collection system on.

SUPPLY CHECKLIST

ACCESSORIES

71938-CL	Closed stand, includes locking wheels
71938-OP	Open stand
98-0130	Caster Set, heavy duty, roll & swivel lock (used with open stand)
71938-7F	Infeed/outfeed tables, open stand only
71938-7F-CL	Infeed/outfeed tables, closed stand and open stand
71938-DRO	DRO (digital read out) depth scale

CONVEYOR BELTS

60-0322 (Type 1)	100 grit abrasive surface with reinforced backing (standard equipment)
61-1003 (Type 2)	Polyurethane textured surface with monofilament backing

DRUM ABRASIVES

60-5036	36 Grit	SuperMax Tools 25-50 - 3-Wraps in Box
60-5060	60 Grit	SuperMax Tools 25-50 - 3-Wraps in Box
60-5080	80 Grit	SuperMax Tools 25-50 - 3-Wraps in Box
60-5100	100 Grit	SuperMax Tools 25-50 - 3-Wraps in Box
60-5120	120 Grit	SuperMax Tools 25-50 - 3-Wraps in Box
60-5150	150 Grit	SuperMax Tools 25-50 - 3-Wraps in Box
60-5180	180 Grit	SuperMax Tools 25-50 - 3-Wraps in Box
60-5220	220 Grit	SuperMax Tools 25-50 - 3-Wraps in Box
60-5000	Assorted box (36/80/120 grit)	SuperMax Tools 25-50 - 1 each in Box

TROUBLESHOOTING

Any operating problems with the drum sander will likely occur most often during the period that you are becoming familiar with its components and their adjustments. If you are experiencing a problem affecting the machine's performance, check the following listings for potential causes and solutions; it may also pay to review the previous sections in this manual on setting up and operating your machine.

TROUBLESHOOTING GUIDE: MOTORS

PROBLEM	POSSIBLE CAUSE	SOLUTION
MOTOR DOES NOT START	Main power cord unplugged from receptacle	Plug in primary power cord
	Drum motor cord unplugged from receptacle near power-feed motor.	Plug in drum motor cord at receptacle on machine if so equipped
	Circuit fuse blown or circuit breaker tripped	Replace fuse or reset breaker (after determining cause)
BRUSH MOTOR OVERLOADS	Inadequate circuit	Check electrical requirements
	Machine overloaded	Use slower feed rate; reduce depth of cut
CONVEYOR MOTOR OSCILLATES	Motor not properly aligned	Loosen housing bolts, run motor, retighten bolts.
	Shaft collar or bushing worn	Replace shaft collar or bushing
	Drive roller bent	Replace drive roller
DRUM MOTOR OR CONVEYOR GEAR MOTOR STALLS	Excessive depth of cut	Reduce depth of cut; reduce feed rate

TROUBLESHOOTING GUIDE: CONVEYOR

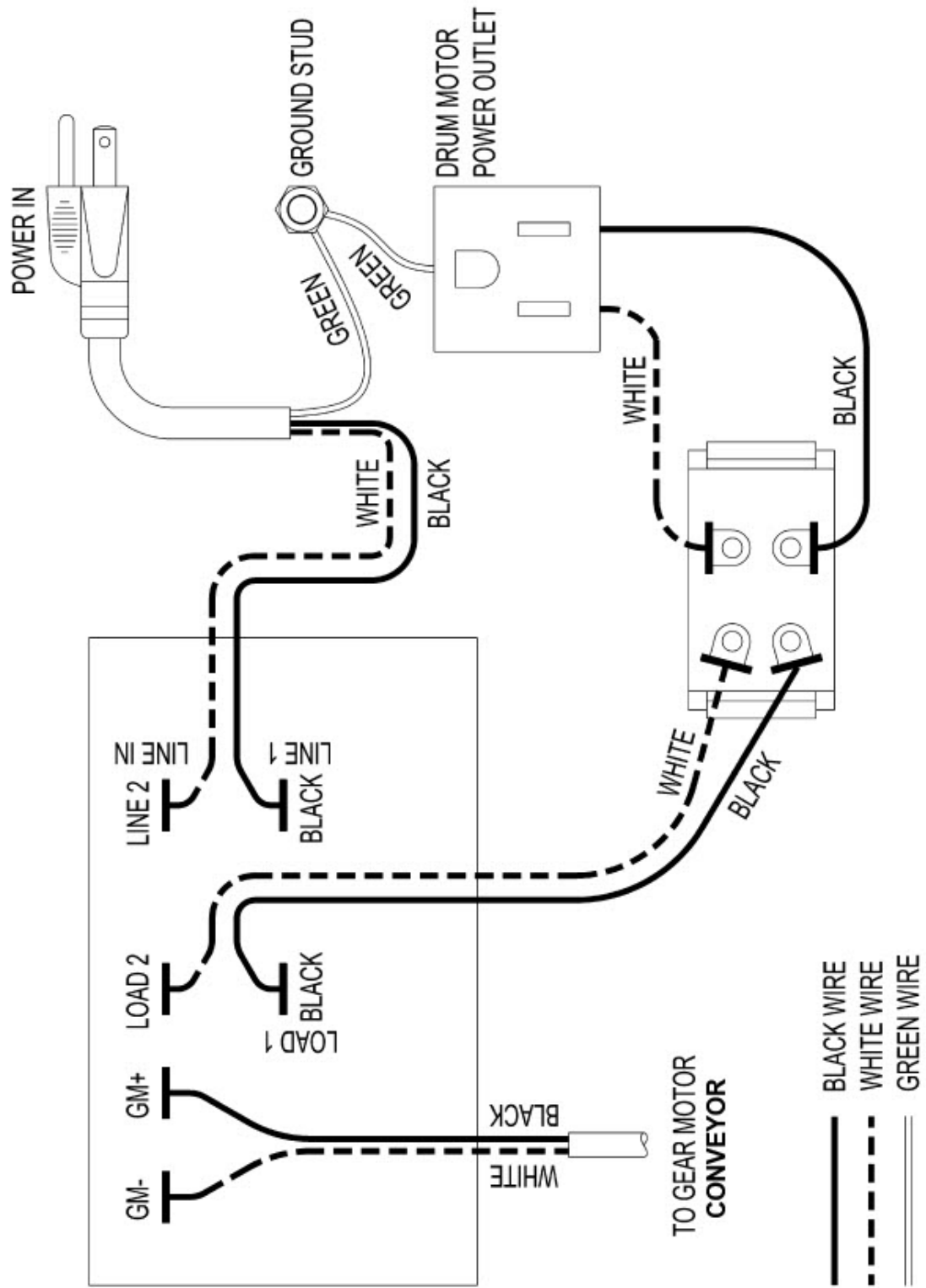
PROBLEM	POSSIBLE CAUSE	SOLUTION
CONVEYOR DRIVE ROLLERS RUN INTERMITTENTLY	Shaft coupling loose	Align shaft flats of gear motor and drive roller; tighten shaft coupling set screws
CONVEYOR BELT SLIPS ON DRIVE ROLLER	Improper conveyor belt tension	Adjust belt tension
	Excessive depth of cut	Reduce depth of cut; reduce feed rate

PROBLEM	POSSIBLE CAUSE	SOLUTION
STOCK SLIPS ON CONVEYOR BELT CAUSING GOUGING	Excessive depth of cut	Reduce depth of cut
	Tension rollers too high	Lower tension rollers
	Excessive feed rate	Reduce feed rate
	Dirty or worn conveyor belt	Clean or replace conveyor belt
CONVEYOR MOTOR STALLS	Belt out of adjustment	Readjust belt
	Roller bushings elongated due to excessive wear	Replace bushings

TROUBLESHOOTING GUIDE: MACHINE

PROBLEM	POSSIBLE CAUSE	SOLUTION
DRUM HEIGHT ADJUSTMENT WORKS IMPROPERLY	Improper adjustment of height control	Readjust height control
KNOCKING SOUND WHILE RUNNING	Bearing worn	Replace bearing Contact distributor
SNIPING OF WOOD (GOUGING NEAR END OF BOARD)	Inadequate support of stock	Use roller stands to support stock
	Conveyor drive or driven rollers higher than conveyor bed	Readjust rollers
	Excessive tension roller pressure	Adjust rollers
BURNING OF WOOD OR MELTING OF FINISH	Feed rate too slow	Increase feed rate
	Excessive depth of cut	Reduce depth of cut
CONVEYOR MOTOR STALLS	Conveyor belt is too loose	Adjust belt tension
	Excessive depth of cut	Reduce depth of cut
	Wood slipping on conveyor due to lack of contact	Use alternate feeding procedure

25-50 WIRING DIAGRAM

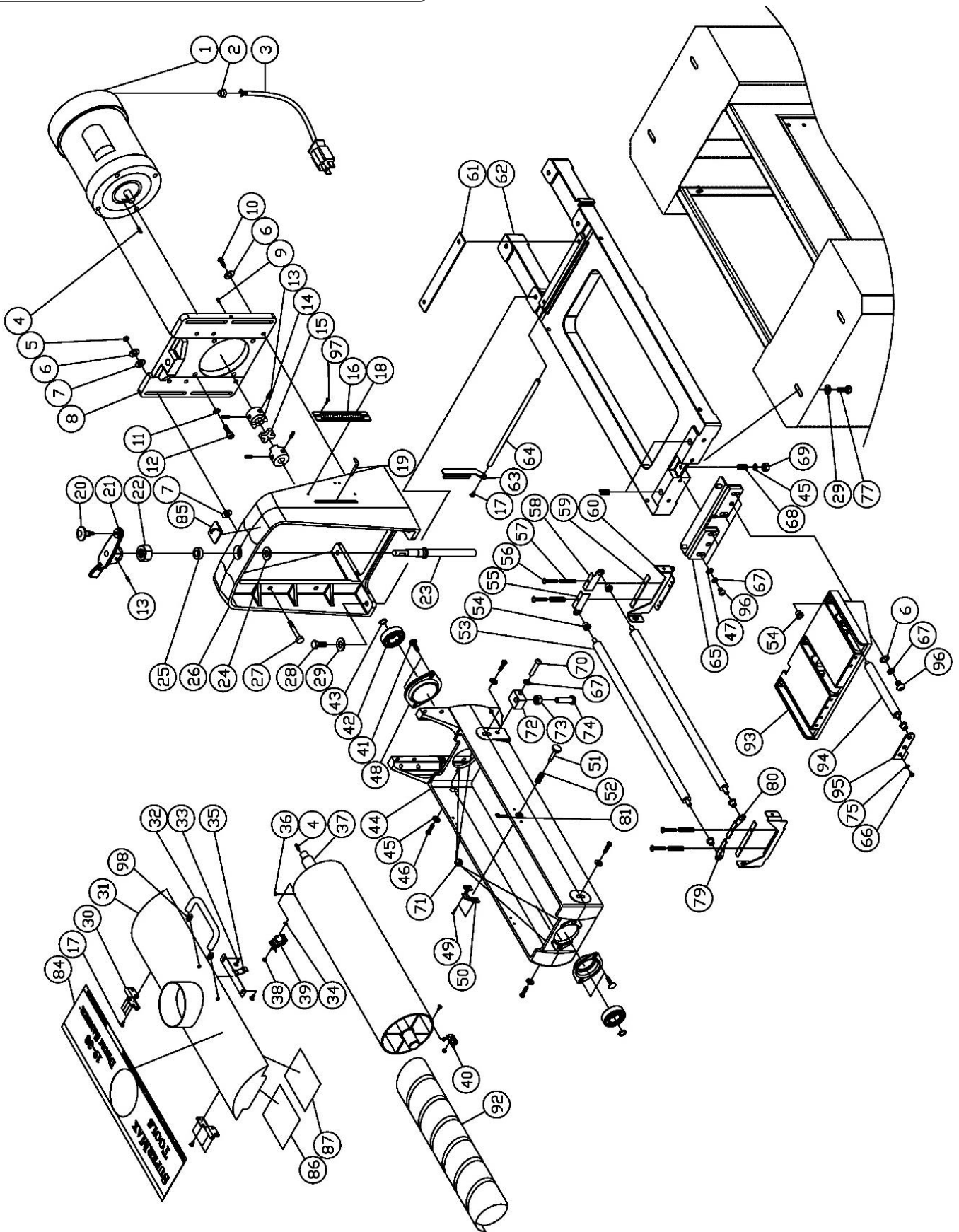


Part List: Head Assembly

Index No.	Part No.	Description	Size	Qty.
1	480DS-101	Motor	1-3/4HP,110-120Volt w/Cord	1
	480DS-101MFC	Motor Fan Cover		1
2	480BS-134	Strain Relief, motor	7N-2	1
3	480DS-103	Main Cord, Inverter to Control Box		1
4	480BS-104	Key	3/16" SQx3/4"	2
5	480BS-105	Nylon Insert Lock Nut	5/16"-24	4
6	480BS-106	Flat Washer	5/16"	12
7	480BS-107	Oilite Washer		8
8	480BS-108	Motor Plate		1
9	480BS-109	Set Screw	#8-32x1/4"	1
10	480BS-110	Hex Cap Screw	5/16"-18x1-1/4"	6
11	480BS-111	Lock Washer	3/8"	4
12	480BS-112	Socket Head Cap Screw	3/8"-16x1-1/2"	4
13	480BS-113	Set Screw	1/4"-20x1/4"	5
14	480BS-114	Coupling		2
15	480BS-115	Coupling Spider		1
16	480BS-116	Height Plate		1
17	480BS-117	Screw, Phil Pan Head	M4x0.7x6	9
18	480BS-118	Label, Depth Gauge (inch)		1
19	480BS-119	Depth Gauge Pointer		1
20	480BS-120	Knob		1
21	480BS-121	Height Adjustment Handle		1
22	480BS-122	Nylon Insert Lock Nut	5/8"-11	1
23	480BS-123	Height Adjustment Screw		1
24	71632-124	Washer, Wave	D17	1
25	480BS-125	Thrust Bearing	51103	1
26	480BS-126	Shroud		1
27	480BS-127	Stud		4
28	480BS-128	Hex Cap Screw	3/8"-16x1-1/4"	4
29	480BS-129	Flat Washer	3/8"	8
30	480BS-130	Hinge		2
31	72550-131	Dust Cover		1
32	480BS-132	Handle		1
33	480BS-133	Pan Head Machine Screw	#8x1/2"	2
34	480DS-134	Lock Washer	M3	2
35	480BS-135	Dust Cover Latch		1
36	480DS-136	Phillips Flat Head Screw	M3x0.5x10	2
37	72550-137	Sanding Drum		1
38	480DS-138	Nylon Insert Lock Nut	M3x0.5	2
39	480DS-139	Inboard Abrasive Fastener		1
40	480DS-140	Outboard Abrasive Fastener		1
41	480DS-141	Carriage Bolt	5/16"-18x1"	4
42	480DS-142	Bearing	6205LLU	2
43	480DS-143	C-Ring	S25	2
44	72550-144	Drum Carriage		1
45	480BS-145	Flat Washer	1/4"	5
46	72550-146	Round Socket Head Cap Screw	1/4"-20x1-1/4"	4
47	480BS-147	Flat Washer	5/16"	4
48	480DS-148	Bearing Seat		2
49	480BS-149	Hex Cap Screw w/ Washer	#10-24x3/8"	2
50	480BS-150	Dust Cover Catch		1

Index No.	Part No.	Description	Size	Qty.
51	480BS-151	Stud		1
52	480BS-152	Spring		1
53	30-1205	Tension Roller		2
54	480BS-154	Bushing, Oilite		10
55	480BS-155	Tension Roller Bracket, Inner Left		1
56	480BS-156	Screw	#8-32x1"	4
57	480BS-157	Spring, Tension Roller		4
58	480BS-158	Tension Roller Bracket, Inner Right		1
59	480BS-159	Pad, Bracket-Tension Roller		2
60	480BS-160	Bracket		2
61	480BS-161	Plate		1
62	480BS-162	Base		1
63	480BS-163	Adjusting Plate		1
64	480BS-164	Adjusting Rod		1
65	72550-165	Height Adjusting Plate		1
66	72550-166	Round Socket Head Cap Screw	3/16-24UNCx3/8"	6
67	480BS-167	Lock Washer	5/16"	7
68	480BS-168	Spring		3
69	480BS-169	Nylon Insert Lock Nut	1/4"-20	1
70	480DS-170	Socket Head Cap Screw	M8x1.25x40	1
71	480DS-171	Hex Nut w/ Washer	5/16"-18	4
72	480DS-172	Localization Block		1
73	480DS-173	Hex Nut	M12x1.75	1
74	480DS-174	Set Bolt		1
75	72550-175	Flat Washer	3/16"	6
77	480BS-177	Hex Cap Screw	3/8"-16x3/4"	4
79	480BS-179	Tension Roller Bracket, Outer Right		1
80	480BS-180	Tension Roller Bracket, Outer Left		1
81	480BS-181	E-Ring	E5	1
84	A01-72550-01	Label		1
85	480BS-185	Height Direction Label		1
86	480BS-186	Maintenance Label		1
87	480BS-187	Warning Label		1
92	635DS-273	Abrasive Strip	#80	1
93	72550-193	Extension Table		1
94	72550-194	Roller, Extension Table		3
95	480BS-237	Bracket, Extension Table		3
96	72550-196	Round Socket Head Cap Screw	5/16"-18x1"	6
97	72550-197	Screw, Phil Pan Head	M4x0.7x10	2
98	99-1001	Nylon Washer		2

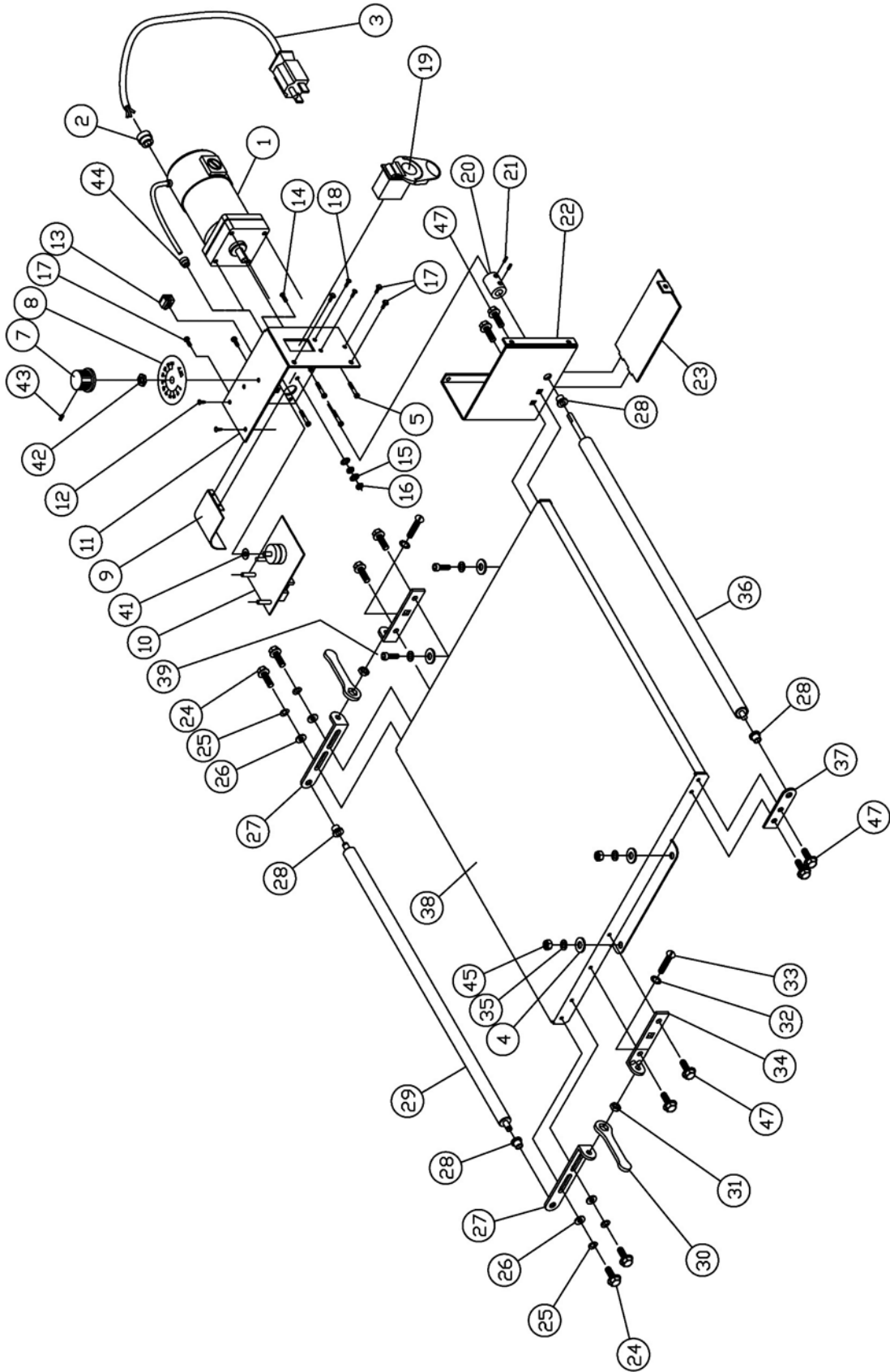
25-50 HEAD ASSEMBLY



Part List: Conveyor And Motor Assembly

Index No.	Part No.	Description	Size	Qty.
1	480BS-201	Gear Motor	90 VDC	1
2	480BS-202	Strain Relief, Power Cord	7P-2	1
3	480DS-203	Power Cord		1
4	480BS-204	Flat Washer	5/16"	4
5	480BS-205	Socket Head Cap Screw	#10-32x1/2"	4
7	480BS-207	Knob		1
8	480BS-208	Speed Adjustment Label		1
9	480BS-209	Wiring Guard		1
10	480DS-210	Controller		1
11	480DS-211	Control Housing Bracket		1
12	480BS-212	Pan Head Self-Tapping Screw	5/32"x1/2"	2
13	480DS-213	Receptacle, Main Cord		1
14	480BS-214	Screw	#10-32x1/2"	1
15	480BS-215	Washer, Lock-Int. Tooth	#10	2
16	480BS-216	Hex Nut	#10-32	2
17	480BS-217	Screw, Hex Head-Slotted	#10-32x3/8"	5
18	480BS-218	Screw, Phil Pan Head	#6-32x1/2"	2
19	480BS-219	Switch, ON/OFF		1
20	480BS-220	Coupler, Shaft		1
21	480BS-113	Set Screw	1/4"-20x1/4"	4
22	480BS-222	Bracket, Base- Controller		1
23	480BS-223	Cover, Base-Control Housing		1
24	480BS-224	Hex Cap Screw	1/4"-20x3/4"	4
25	480BS-225	Washer, Wave	1/4"	4
26	480BS-145	Flat Washer	1/4"	4
27	480BS-227	Bracket, Take Up-Slide		2
28	480BS-154	Bushing, Oilite		4
29	480BS-229	Roller, Driven		1
30	480BS-230	Wrench		2
31	480BS-231	Hex Nut	1/4"-20	2
32	480BS-232	Washer, Lock-Int. Tooth	1/4"	2
33	480BS-233	Screw, Round Head- Slotted	1/4"-20x1-3/4"	2
34	480BS-234	Bracket, Take Up-Base		2
35	480BS-167	Lock Washer	5/16"	4
36	480BS-236	Roller, Drive		1
37	480BS-237	Bracket, Support-Drive Roller		1
38	480BS-238	Bed, Conveyor		1
39	480BS-239	Socket Head Cap Screw	5/16"-18x3/4"	2
40	480DS-240	Belt Conveyor, Sanding (Not Shown)		1
41	480BS-204	Flat Washer	5/16"	1
42	480BS-242	Hex Nut	5/16"-24	1
43	480BS-243	Slotted Set Screw	#8-36x5/16"	1
44	480BS-244	Strain Relief, Gear Motor	6N-4	1
45	480BS-245	Hex Nut	5/16"-18	2
47	480BS-247	Hex Cap Screw	1/4"-20x1/2"	8

25-50 CONVEYOR AND MOTOR



NOTES:

ACCESSORIES

71938-CL	Closed stand, includes locking wheels
71938-OP	Open stand
98-0130	Caster Set, heavy duty, roll & swivel lock (used with open stand)
71938-7F	Infeed/outfeed tables, open stand only
71938-7F-CL	Infeed/outfeed tables, closed stand and open stand
71938-DRO	DRO (digital read out) depth scale

CONVEYOR BELTS

60-0322 (Type 1)	100 grit abrasive surface with reinforced backing (standard equipment)
61-1003 (Type 2)	Polyurethane textured surface with monofilament backing

DRUM ABRASIVES

60-5036	36 Grit	SuperMax Tools 25-50 - 3-Wraps in Box
60-5060	60 Grit	SuperMax Tools 25-50 - 3-Wraps in Box
60-5080	80 Grit	SuperMax Tools 25-50 - 3-Wraps in Box
60-5100	100 Grit	SuperMax Tools 25-50 - 3-Wraps in Box
60-5120	120 Grit	SuperMax Tools 25-50 - 3-Wraps in Box
60-5150	150 Grit	SuperMax Tools 25-50 - 3-Wraps in Box
60-5180	180 Grit	SuperMax Tools 25-50 - 3-Wraps in Box
60-5220	220 Grit	SuperMax Tools 25-50 - 3-Wraps in Box
60-5000	Assorted box (36/80/120 grit)	SuperMax Tools 25-50 - 1 each in Box

LAGUNA[®]

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