



MODEL W1845 OSCILLATING EDGE SANDER



OWNER'S MANUAL

(FOR MODELS MANUFACTURED SINCE 6/17)

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WARNING!

This manual provides critical safety instructions on the proper setup, operation, maintenance, and service of this machine/tool. Save this document, refer to it often, and use it to instruct other operators.

Failure to read, understand and follow the instructions in this manual may result in fire or serious personal injury—including amputation, electrocution, or death.

The owner of this machine/tool is solely responsible for its safe use. This responsibility includes but is not limited to proper installation in a safe environment, personnel training and usage authorization, proper inspection and maintenance, manual availability and comprehension, application of safety devices, cutting/sanding/grinding tool integrity, and the usage of personal protective equipment.

The manufacturer will not be held liable for injury or property damage from negligence, improper training, machine modifications or misuse.



WARNING!

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks, 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 specially designed to filter out microscopic particles.

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INTRODUCTION

Woodstock Technical Support

This machine has been specially designed to provide many years of trouble-free service. Close attention to detail, ruggedly built parts and a rigid quality control program assure safe and reliable operation.

Woodstock International, Inc. is committed to customer satisfaction. Our intent with this manual is to include the basic information for safety, setup, operation, maintenance, and service of this product.

We stand behind our machines! In the event that questions arise about your machine, please contact Woodstock International Technical Support at (360) 734-3482 or send e-mail to: tech-support@shopfox.biz. Our knowledgeable staff will help you troubleshoot problems and process warranty claims.

If you need the latest edition of this manual, you can download it from <http://www.shopfox.biz>.
If you have comments about this manual, please contact us at:

Woodstock International, Inc.
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P.O. Box 2309
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MACHINE SPECIFICATIONS



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MODEL W1845 6" X 108" OSCILLATING EDGE SANDER 3 HP

Product Dimensions

Weight.....	495 lbs.
Width (side-to-side) x Depth (front-to-back) x Height.....	60 x 28 x 49 in.
Footprint (Length x Width).....	32 x 19-1/2 in.

Shipping Dimensions

Type.....	Wood Crate
Content.....	Machine
Weight.....	597 lbs.
Length x Width x Height.....	58 x 30 x 44 in.
Must Ship Upright.....	Yes

Electrical

Power Requirement.....	240V, Single-Phase, 60 Hz
Full-Load Current Rating.....	11A
Minimum Circuit Size.....	15A
Connection Type.....	Cord & Plug
Power Cord Included.....	Yes
Power Cord Length.....	6 ft.
Power Cord Gauge.....	12 AWG
Plug Included.....	Yes
Included Plug Type.....	NEMA 6-15
Switch Type.....	Magnetic Switch w/Overload Protection

Motors

Main

Horsepower.....	3 HP
Phase.....	Single-Phase
Amps.....	11A
Speed.....	1725 RPM
Type.....	TEFC Capacitor-Start Induction
Power Transfer	Direct Drive
Bearings.....	Shielded & Permanently Lubricated

Main Specifications

Operation Information

Sanding Belt Speed.....	3150 FPM
Sanding Belt Oscillations.....	1/4 in.
Sanding Belt Length.....	108 in.
Sanding Belt Width.....	6 in.
Sanding Belt Tilt.....	0-90 deg.



Table Information

Table Length.....	35-1/2 in.
Table Width.....	12 in.
Table Thickness.....	1-1/2 in.
Table Travel.....	4 in.
Floor To Table Height.....	35-3/4 - 39-3/4 in.
End Table Length.....	11-1/2 in.
End Table Width.....	10 in.
End Table Thickness.....	3/4 in.
End Table Travel.....	10 in.

Platen Information

Platen Type.....	Graphite Coated
Platen Length.....	39-3/4 in.
Platen Width.....	6-3/4 in.

Construction

Table.....	Precision-Ground Cast Iron
Frame.....	Steel
Base.....	Steel
Drive Roller.....	Aluminum
Idler Roller.....	Rubber
Miter Block.....	Aluminum
Paint Type/Finish.....	Powder Coated

Other Related Information

Number of Dust Ports.....	2
Dust Port Size.....	4 in.
Belt Release.....	Quick-Release
Drive Roller Size.....	7 in.
Idler Roller Size.....	3-7/8 in.

Other

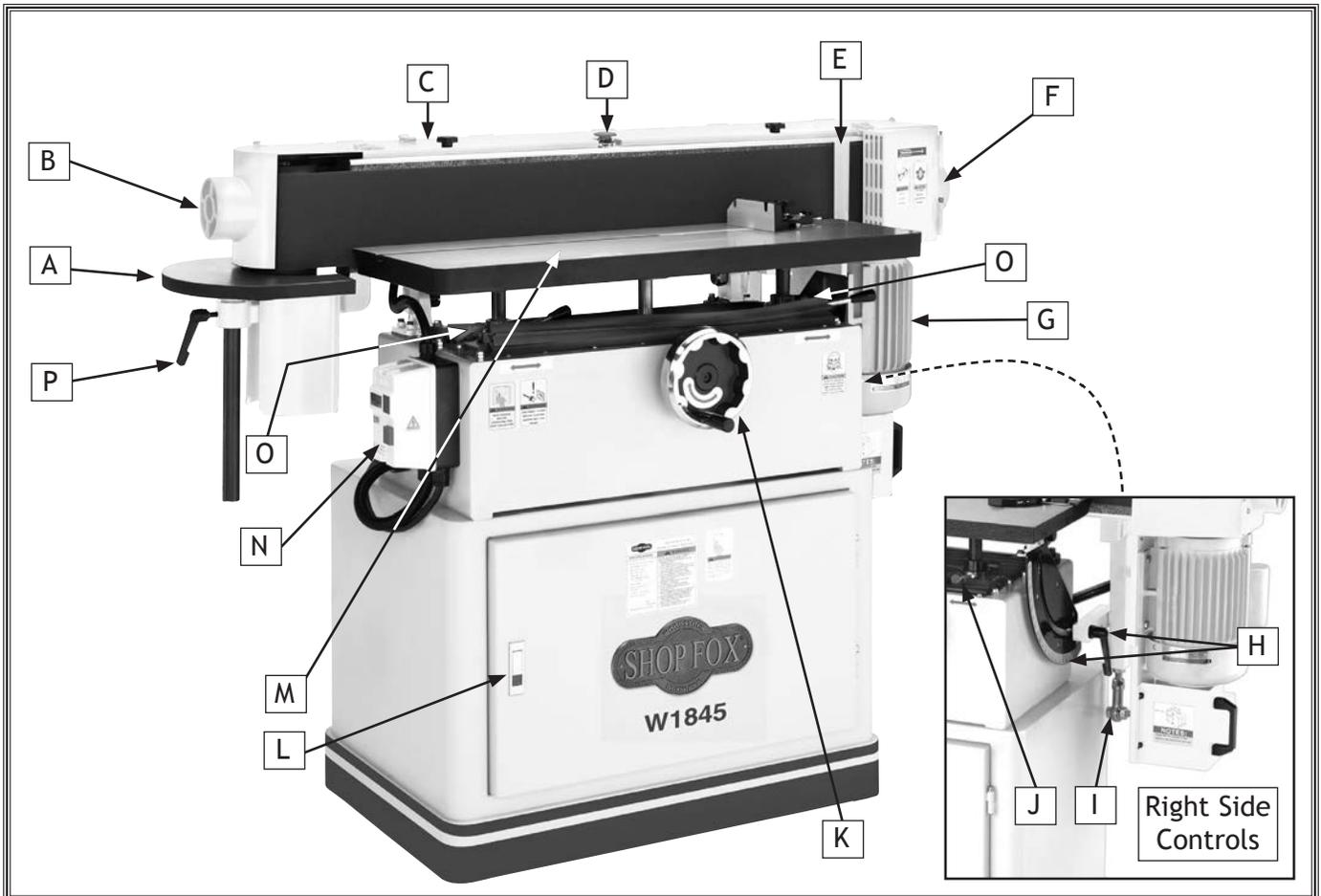
Country of Origin	Taiwan
Warranty	2 Years
Approximate Assembly & Setup Time	15 min.
Serial Number Location	ID Label
Sound Rating	90 dB
ISO 9001 Factory	No
Certified by a Nationally Recognized Testing Laboratory (NRTL)	No

Features

Sanding Surfaces Tilt Vertical and Horizontal
 T-Slot Table and Miter Gauge
 Quick Belt Release Lever
 Graphite-Coated Platen
 Oscillating Sanding Surfaces
 Sanding Belt Oscillates at 52 Cycles per Minute
 Includes (3) 4-1/2" Long Sanding Drums with the Following Diameters: 1-1/2", 2", 3"
 Platen Tilts 0-90 Degrees (5 Deg. Scale)

Identification

Become familiar with the names and locations of the controls and features shown below to better understand the instructions in this manual.



- | | |
|--|---|
| <ul style="list-style-type: none"> A. Sanding Spindle Table B. Left Dust Port C. Belt Access Door D. Emergency Stop Switch E. Backstop F. Right Dust Port G. Motor H. Angle Adjustment & Lock Handle | <ul style="list-style-type: none"> I. Belt Tracking Adjustment J. Table Lock Levers K. Vertical Table Adjustment Handwheel L. Storage Compartment M. Sanding Table N. ON/OFF Switch O. Vertical Adjustment Lock Handles P. Spindle Table Adjustment Lock Handle |
|--|---|

⚠️ WARNING

For Your Own Safety, Read Instruction Manual Before Operating Sander

- a) Wear eye protection.
- b) Support workpiece with miter gauge, backstop, or worktable.
- c) Maintain 1/16" maximum clearance between table and sanding belt.
- d) Avoid kickback by sanding in accordance with the directional arrows.

SAFETY

For Your Own Safety, Read Manual Before Operating Machine

The purpose of safety symbols is to attract your attention to possible hazardous conditions. This manual uses a series of symbols and signal words intended to convey the level of importance of the safety messages. The progression of symbols is described below. Remember that safety messages by themselves do not eliminate danger and are not a substitute for proper accident prevention measures—this responsibility is ultimately up to the operator!



Indicates an imminently hazardous situation which, if not avoided, **WILL** result in death or serious injury.



Indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury.



Indicates a potentially hazardous situation which, if not avoided, **MAY** result in minor or moderate injury.

NOTICE

This symbol is used to alert the user to useful information about proper operation of the equipment or a situation that may cause damage to the machinery.

Standard Machinery Safety Instructions

OWNER'S MANUAL. Read and understand this owner's manual **BEFORE** using machine.

TRAINED OPERATORS ONLY. Untrained operators have a higher risk of being hurt or killed. Only allow trained/supervised people to use this machine. When machine is not being used, disconnect power, remove switch keys, or lock-out machine to prevent unauthorized use—especially around children. Make workshop kid proof!

DANGEROUS ENVIRONMENTS. Do not use machinery in areas that are wet, cluttered, or have poor lighting. Operating machinery in these areas greatly increases the risk of accidents and injury.

MENTAL ALERTNESS REQUIRED. Full mental alertness is required for safe operation of machinery. Never operate under the influence of drugs or alcohol, when tired, or when distracted.

ELECTRICAL EQUIPMENT INJURY RISKS. You can be shocked, burned, or killed by touching live electrical components or improperly grounded machinery. To reduce this risk, only allow an electrician or qualified service personnel to do electrical installation or repair work, and always disconnect power before accessing or exposing electrical equipment.

DISCONNECT POWER FIRST. Always disconnect machine from power supply **BEFORE** making adjustments, changing tooling, or servicing machine. This eliminates the risk of injury from unintended startup or contact with live electrical components.

EYE PROTECTION. Always wear ANSI-approved safety glasses or a face shield when operating or observing machinery to reduce the risk of eye injury or blindness from flying particles. Everyday eyeglasses are not approved safety glasses.

WEARING PROPER APPAREL. Do not wear clothing, apparel, or jewelry that can become entangled in moving parts. Always tie back or cover long hair. Wear non-slip footwear to avoid accidental slips, which could cause loss of workpiece control.

HAZARDOUS DUST. Dust created while using machinery may cause cancer, birth defects, or long-term respiratory damage. Be aware of dust hazards associated with each workpiece material, and always wear a NIOSH-approved respirator to reduce your risk.

HEARING PROTECTION. Always wear hearing protection when operating or observing loud machinery. Extended exposure to this noise without hearing protection can cause permanent hearing loss.

REMOVE ADJUSTING TOOLS. Tools left on machinery can become dangerous projectiles upon startup. Never leave chuck keys, wrenches, or any other tools on machine. Always verify removal before starting!

INTENDED USAGE. Only use machine for its intended purpose—never make modifications without prior approval from Woodstock International. Modifying machine or using it differently than intended will void the warranty and may result in malfunction or mechanical failure that leads to serious personal injury or death!

AWKWARD POSITIONS. Keep proper footing and balance at all times when operating machine. Do not overreach! Avoid awkward hand positions that make workpiece control difficult or increase the risk of accidental injury.

CHILDREN & BYSTANDERS. Keep children and bystanders at a safe distance from the work area. Stop using machine if they become a distraction.

GUARDS & COVERS. Guards and covers reduce accidental contact with moving parts or flying debris—make sure they are properly installed, undamaged, and working correctly.

FORCING MACHINERY. Do not force machine. It will do the job safer and better at the rate for which it was designed.

NEVER STAND ON MACHINE. Serious injury may occur if machine is tipped or if the cutting tool is unintentionally contacted.

STABLE MACHINE. Unexpected movement during operation greatly increases risk of injury or loss of control. Before starting, verify machine is stable and mobile base (if used) is locked.

USE RECOMMENDED ACCESSORIES. Consult this owner's manual or the manufacturer for recommended accessories. Using improper accessories will increase risk of serious injury.

UNATTENDED OPERATION. To reduce the risk of accidental injury, turn machine **OFF** and ensure all moving parts completely stop before walking away. Never leave machine running while unattended.

MAINTAIN WITH CARE. Follow all maintenance instructions and lubrication schedules to keep machine in good working condition. A machine that is improperly maintained could malfunction, leading to serious personal injury or death.

CHECK DAMAGED PARTS. Regularly inspect machine for any condition that may affect safe operation. Immediately repair or replace damaged or mis-adjusted parts before operating machine.

MAINTAIN POWER CORDS. When disconnecting cord-connected machines from power, grab and pull the plug—NOT the cord. Pulling the cord may damage the wires inside, resulting in a short. Do not handle cord/plug with wet hands. Avoid cord damage by keeping it away from heated surfaces, high traffic areas, harsh chemicals, and wet/damp locations.

EXPERIENCING DIFFICULTIES. If at any time you experience difficulties performing the intended operation, stop using the machine! Contact Technical Support at (360) 734-3482.

Additional Safety for Oscillating Edge Sanders

WARNING

Serious injury or death can occur if fingers, clothing, jewelry, or hair get entangled in moving components. Impact injuries can occur from kickback if workpiece is improperly fed into moving sandpaper. Serious pinch injuries can occur from touching in-running nip point between table and sanding surface. Long-term respiratory damage can occur from using sander without proper use of a respirator. To reduce the risk of these hazards, operator and bystanders **MUST** completely heed the hazards and warnings below.

SAFETY

SANDPAPER DIRECTION. Feeding workpiece incorrectly can cause it to be thrown from machine, striking operator or bystanders, or causing your hands to slip into the moving sandpaper. To reduce these risks, only sand against direction of sandpaper travel, ensure workpiece is properly supported, and avoid introducing sharp edges into moving sandpaper on leading side of workpiece.

FEEDING WORKPIECE. Jamming workpiece into sanding surface could cause it to be grabbed aggressively, pulling hands into sanding surface. Firmly grasp workpiece in both hands and ease it into sandpaper using light pressure.

AVOIDING ENTANGLEMENT. Entanglement in moving parts can cause pinching and crushing injuries. Keep all guards in place and closed. **DO NOT** wear loose clothing, gloves, or jewelry, and tie back long hair.

SANDING DUST. Sanding creates large amounts of dust that can lead to eye injury or respiratory illness. Reduce risk by wearing approved eye and respiratory protection when using sander. Never operate without adequate dust collection system in place and running. Dust collection is not a substitute for using a respirator.

WORKPIECE INTEGRITY. Sanding fragile workpieces can result in loss of control, resulting in abrasion injuries, impact injuries, or damage to sandpaper. Only sand solid workpieces that can withstand power sanding forces. Make sure workpiece shape is properly supported; avoid sanding workpieces without flat bottom surfaces unless some type of jig is used to maintain support and control when sanding force is applied.

SANDPAPER CONDITION. Worn or damaged sandpaper can aggressively grab workpiece, resulting in subsequent injuries from operator loss of workpiece control. Always inspect sandpaper before operation and replace if worn or damaged.

WORKPIECE SUPPORT & HAND PLACEMENT. Rotating sandpaper can remove a large amount of flesh quickly, and kickback can occur with violent force if workpiece is not properly supported during operation. Always sand with workpiece firmly against table or another support device. Never touch moving sandpaper on purpose.

IN-RUNNING NIP POINTS. The gap between moving sandpaper and fixed table/support creates a pinch point for fingers or workpieces; the larger this gap is, the greater the risk of fingers or workpieces getting caught in it. Minimize this risk by adjusting table/support to no more than 1/16" away from sandpaper. For spindle sanders, always use the table insert that fits closest diameter of installed drum.

MINIMUM STOCK DIMENSION. Small workpieces can be aggressively pulled from your hands, causing contact with sanding surface. Always use a jig or other holding device when sanding small workpieces, and keep hands and fingers at least 2" away from sanding surface.

WORKPIECE INSPECTION. Nails, staples, knots, or other imperfections in workpiece can be dislodged and thrown from sander at a high rate of speed at people, or cause damage to sandpaper or sander. Never sand stock that has embedded foreign objects or questionable imperfections.

ELECTRICAL

Circuit Requirements

This machine must be connected to the correct size and type of power supply circuit, or fire or electrical damage may occur. Read through this section to determine if an adequate power supply circuit is available. If a correct circuit is not available, a qualified electrician **MUST** install one before you can connect the machine to power.

A power supply circuit includes all electrical equipment between the breaker box or fuse panel in the building and the machine. The power supply circuit used for this machine must be sized to safely handle the full-load current drawn from the machine for an extended period of time. (If this machine is connected to a circuit protected by fuses, use a time delay fuse marked D.)

Full-Load Current Rating

The full-load current rating is the amperage a machine draws at 100% of the rated output power. On machines with multiple motors, this is the amperage drawn by the largest motor or sum of all motors and electrical devices that might operate at one time during normal operations.

Full-Load Current Rating at 240V 11 Amps

Circuit Requirements

This machine is prewired to operate on a power supply circuit that has a verified ground and meets the following requirements:

- Circuit Type 220V/240V, 60 Hz, Single-Phase
- Circuit Size 15 Amps
- Plug/Receptacle NEMA 6-15

⚠ WARNING

The machine must be properly set up before it is safe to operate. **DO NOT** connect this machine to the power source until instructed to do so later in this manual.

⚠ WARNING



Incorrectly wiring or grounding this machine can cause electrocution, fire, or machine damage. To reduce this risk, only an electrician or qualified service personnel should do any required electrical work on this machine.

NOTICE

The circuit requirements listed in this manual apply to a dedicated circuit—where only one machine will be running at a time. If this machine will be connected to a shared circuit where multiple machines will be running at the same time, consult with an electrician to ensure that the circuit is properly sized for safe operation.

ELECTRICAL

Grounding Requirements

This machine **MUST** be grounded. In the event of certain types of malfunctions or breakdowns, grounding provides a path of least resistance for electric current to travel—in order to reduce the risk of electric shock.

Improper connection of the equipment-grounding wire will increase the risk of electric shock. The wire with green insulation (with/without yellow stripes) is the equipment-grounding wire. If repair or replacement of the power cord or plug is necessary, do not connect the equipment-grounding wire to a live (current carrying) terminal.

Check with a qualified electrician or service personnel if you do not understand these grounding requirements, or if you are in doubt about whether the tool is properly grounded. If you ever notice that a cord or plug is damaged or worn, disconnect it from power, and immediately replace it with a new one.

For 240V Connection

This machine is equipped with a power cord that has an equipment-grounding wire and NEMA 6-15 grounding plug (see figure). The plug must only be inserted into a matching receptacle that is properly installed and grounded in accordance with local codes and ordinances.

Extension Cords

We do not recommend using an extension cord with this machine. Extension cords cause voltage drop, which may damage electrical components and shorten motor life. Voltage drop increases with longer extension cords and smaller gauge sizes (higher gauge numbers indicate smaller sizes).

Any extension cord used with this machine must contain a ground wire, match the required plug and receptacle, and meet the following requirements:

- Minimum Gauge Size at 240V 12 AWG
- Maximum Length (Shorter is Better) 50 ft.

ELECTRICAL

⚠ WARNING

The machine must be properly set up before it is safe to operate. **DO NOT** connect this machine to the power source until instructed to do so later in this manual.

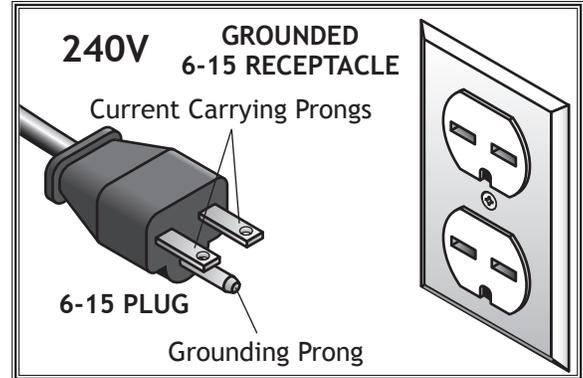


Figure 1. NEMA 6-15 plug & receptacle.

⚠ CAUTION

No adapter should be used with the required plug. If the plug does not fit the available receptacle or the machine must be reconnected to a different type of circuit, the reconnection must be made by an electrician or qualified service personnel and it must comply with all local codes and ordinances.

SETUP

Unpacking

This machine has been carefully packaged for safe transportation. If you notice the machine has been damaged during shipping, please contact your authorized Shop Fox dealer immediately.

Items Needed for Setup

The following items are needed, but not included, to set up your machine.

Description	Qty
An Assistant	1 Minimum
Eye Protection	1 Per Person
Phillips Screwdriver #2	1
Flat Head Screwdriver	1
Machinist's Square	1
Hammer	1
Socket 7/8"	1
Ratchet w/6" extension	1
Hex Wrench 4mm	1
Dust Collector	1
Dust Hoses	2
Hose Clamps	2

Lifting & Moving

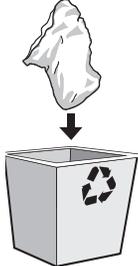
Use a forklift to move the machine to a suitable location. Remove from crate.

To move the Model W1845 to another location, lift it from the cabinet base with forklift tines. DO NOT lift it with straps under the sanding table.



!WARNING

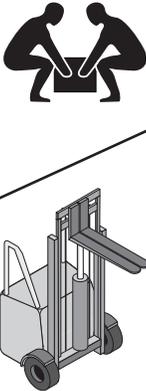
This machine presents serious injury hazards to untrained users. Read through this entire manual to become familiar with the controls and operations before starting the machine!



!WARNING

SUFFOCATION HAZARD!

Immediately discard all plastic bags and packing materials to eliminate choking/suffocation hazards for children and animals.



!WARNING

HEAVY LIFT!

Straining or crushing injury may occur from improperly lifting the machine or some of its parts. To reduce this risk, get help from other people and use a forklift (or other lifting equipment) rated for weight of machine.



!WARNING

Wear safety glasses during entire setup process!

SETUP

Inventory

The following is a list of items shipped with your machine. Before beginning setup, lay these items out and inventory them.

Note: If you cannot find an item on this list, carefully check around/inside the machine and packaging materials. Often, these items get lost in packaging materials while unpacking or they are pre-installed at the factory.

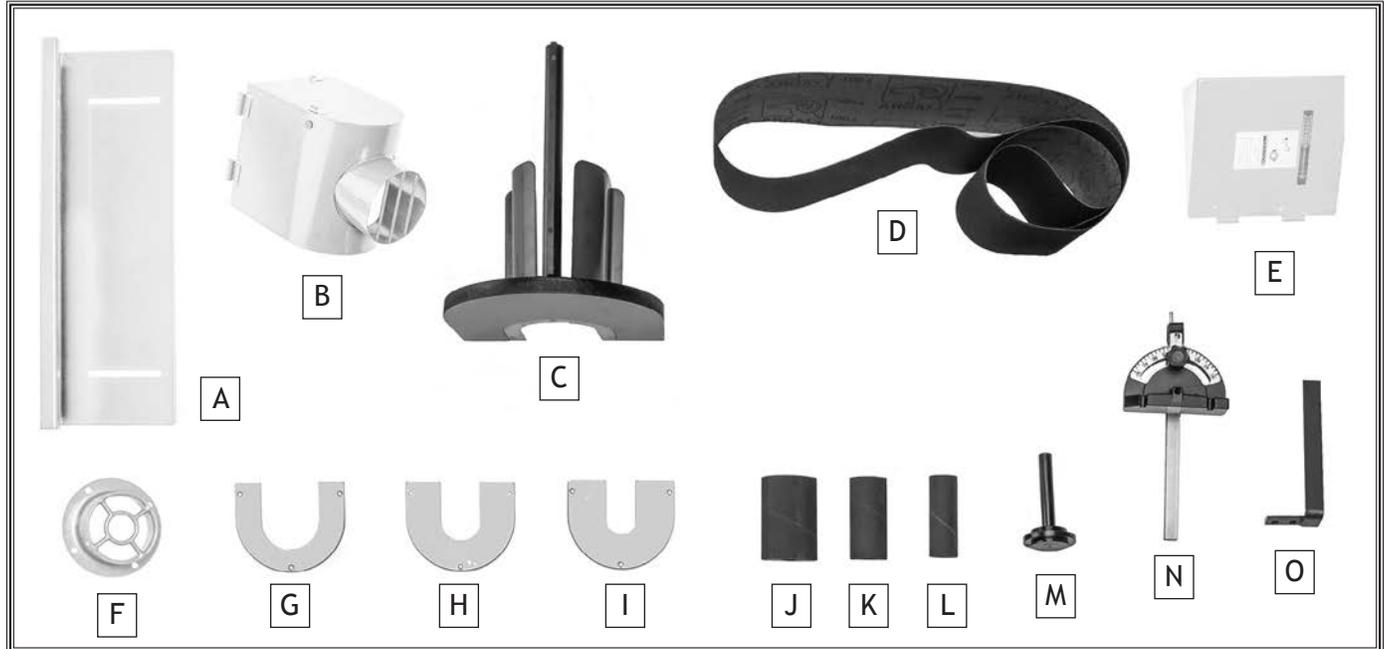


Figure 2. Inventory box contents.

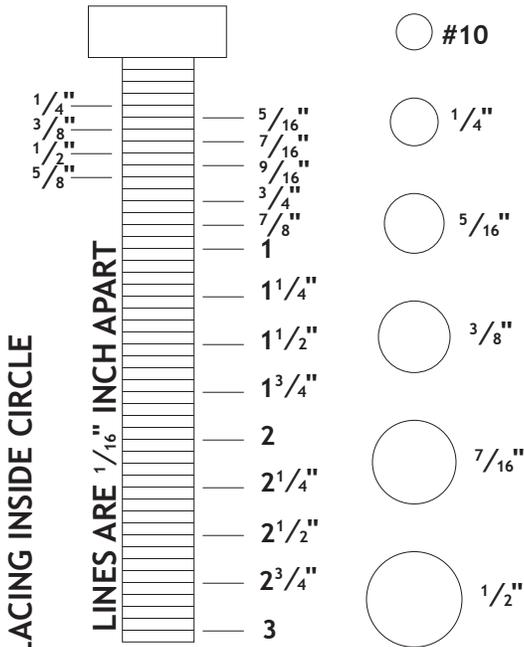
After all the parts have been removed from the packaging, you should have the following items:

Box Contents (Figure 2)	Qty.
A. Fence	1
B. Dust Port (Left)	1
C. Spindle Table Assembly	1
D. Sanding Belt 6" x 108"	1
E. Dust Port Cover (Right)	1
F. Dust Port (Right)	1
G. Table Insert 3"	1
H. Table Insert 2"	1
I. Table Insert 1 1/2"	1
J. Sanding Drum 3"	1
K. Sanding Drum 2"	1
L. Sanding Drum 1 1/2"	1
M. Spindle	1
N. Miter Gauge	1
O. Backstop	1

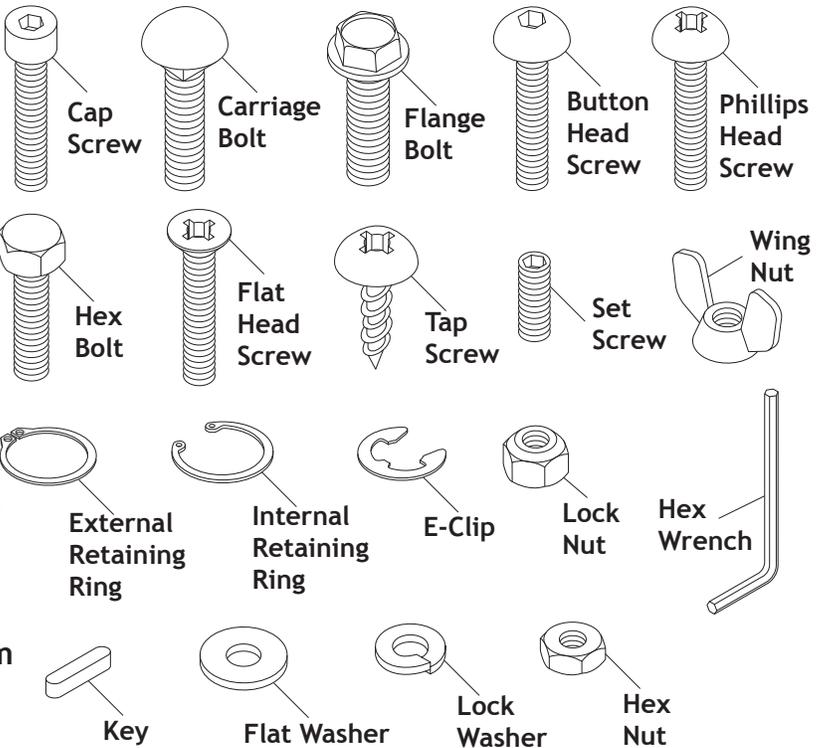
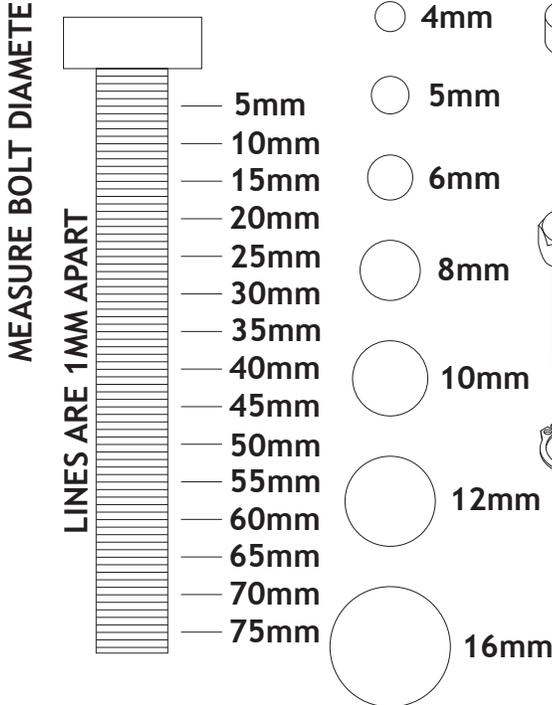
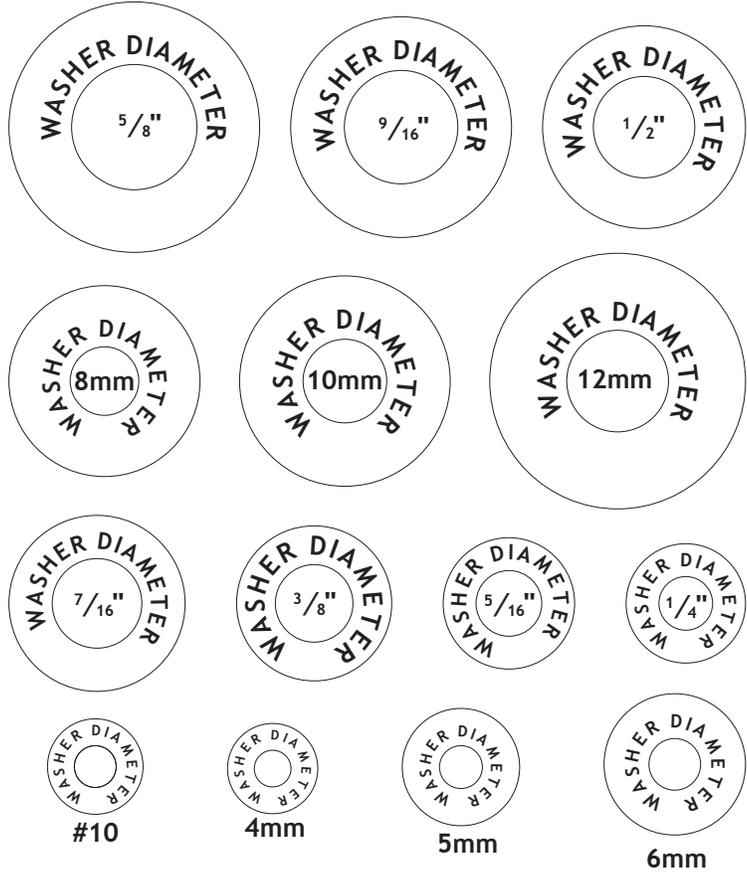
P. Hardware Bag (Not Shown)	
• Lock Handle (Spindle)	1
• Star Knobs 5/16"-18 x 1"	2
• Hex Bolts 5/16"-18 x 1" (Backstop)	2
• Hex Bolt 5/16"-18 x 1/2" (Spindle)	1
• Phillips Head Screws 1/4"-20 x 3/8" (Dust Ports)	8
• Flat Washers 1/4" (Dust Ports)	8
• Spindle Washer 5/16" (Spindle)	1
• Flat Washers 5/16" (Backstop)	4
• Hinge Pins (Dust Ports)	2
• Wrench 10 x 12mm, Open-End	1
• Hex Wrench 5mm	1
• Hex Wrench 6mm	1
• Rod	1
• Drive Puller Plate	1
• Cap Screw 5/16"-18 x 1 1/4" (Roller)	1
• Cap Screws 1/4"-20 x 1 3/4" (Roller)	2

Hardware Recognition Chart

USE THIS CHART TO IDENTIFY HARDWARE DURING THE INVENTORY/ASSEMBLY PROCESS.



WASHERS ARE MEASURED BY THE INSIDE DIAMETER



SETUP

Cleaning Machine

To prevent corrosion during shipment and storage of your machine, the factory has coated the bare metal surfaces of your machine with a heavy-duty rust prevention compound.

If you are unprepared or impatient, this compound can be difficult to remove. To ensure that the removal of this coating is as easy as possible, please gather the correct cleaner, lubricant, and tools listed below:

- Cleaner/degreaser designed to remove storage wax and grease
- Safety glasses & disposable gloves
- Solvent brush or paint brush
- Disposable Rags

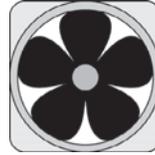
To remove rust preventative coating, do these steps:

1. DISCONNECT MACHINE FROM POWER!
2. Put on safety glasses and disposable gloves.
3. Coat the rust preventative with a liberal amount of cleaner/degreaser, then let it soak for 5-10 minutes.
4. Wipe off surfaces. If your cleaner/degreaser is effective, the coating will wipe off easily.

Tip: An easier way to clean off thick coats of rust preventative from flat surfaces is to use a PLASTIC paint scraper to scrape off the majority of the coating before wiping it off with your rag. (Do not use a metal scraper or you may scratch your machine.)

5. Repeat cleaning steps as necessary until all of the compound is removed.
6. To prevent rust on freshly cleaned surfaces, immediately coat with a quality metal protectant.

⚠ WARNING



Gasoline and petroleum products have low flash points and can explode or cause fire if used to clean machinery. Avoid using these products to clean machinery. Many cleaning solvents are toxic if inhaled. Minimize your risk by only using these products in a well ventilated area.

NOTICE

In a pinch, automotive degreasers, mineral spirits or WD•40 can be used to remove rust preventative coating. Before using these products, though, test them on an inconspicuous area of your paint to make sure they will not damage it.

Machine Placement

Weight Load

Refer to the **Machine Specifications** for the weight of your machine. Make sure that the surface upon which the machine is placed will bear the weight of the machine, additional equipment that may be installed on the machine, and the heaviest workpiece that will be used. Additionally, consider the weight of the operator and any dynamic loading that may occur when operating the machine.

Space Allocation

Consider the largest size of workpiece that will be processed through this machine and provide enough space around the machine for adequate operator material handling or the installation of auxiliary equipment. With permanent installations, leave enough space around the machine to open or remove doors/covers as required by the maintenance and service described in this manual. **See below for required space allocation.**

Physical Environment

The physical environment where your machine is operated is important for safe operation and the longevity of its components. For best results, operate this machine in a dry environment that is free from excessive moisture, hazardous chemicals, airborne abrasives, or extreme conditions. Extreme conditions for this type of machinery are generally those where the ambient temperature range exceeds 41°-104°F; the relative humidity range exceeds 20-95% (non-condensing); or the environment is subject to vibration, shocks, or bumps.

Electrical Installation

Place this machine near an existing power source. Make sure all power cords are protected from traffic, material handling, moisture, chemicals, or other hazards. Make sure to leave access to a means of disconnecting the power source or engaging a lockout/tagout device.

Lighting

Lighting around the machine must be adequate enough that operations can be performed safely. Shadows, glare, or strobe effects that may distract or impede the operator must be eliminated.

	<p>⚠ CAUTION</p> <p>Children or untrained people may be seriously injured by this machine. Only install in an access restricted location.</p>
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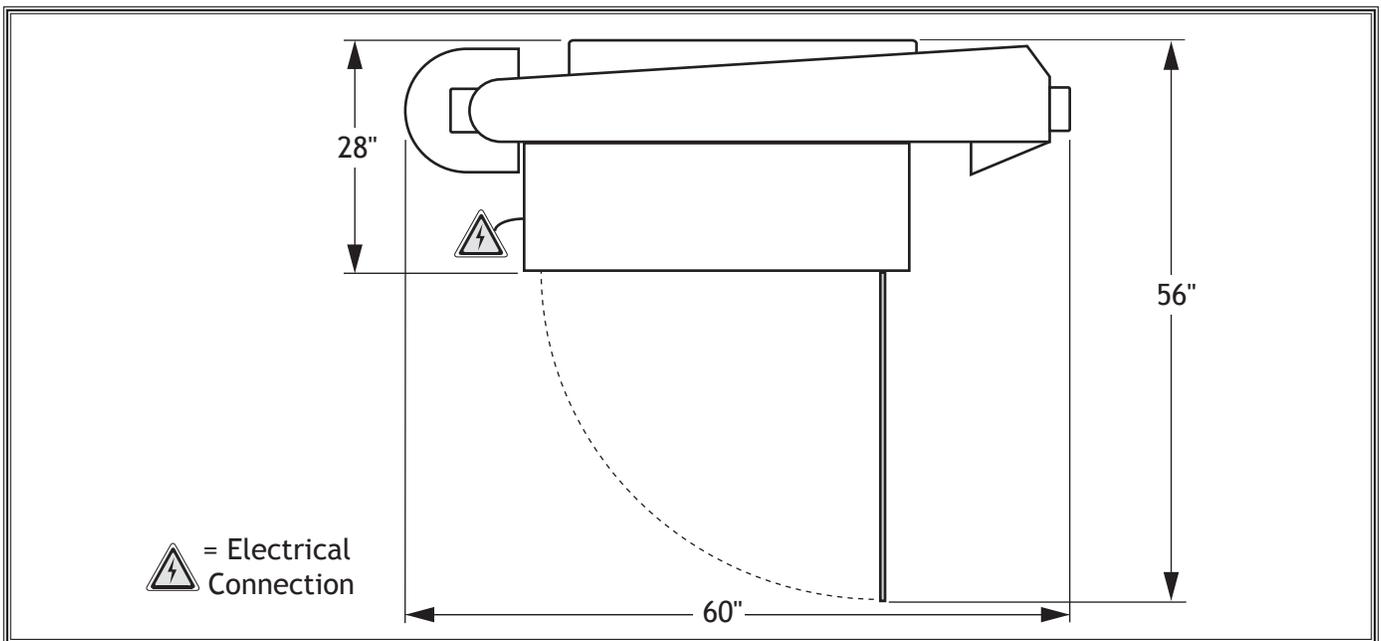


Figure 3. Working clearances.

Anchoring to Floor

Number of Mounting Holes..... 4
 Diameter of Mounting Hardware $\frac{7}{16}$ "

Anchoring machinery to the floor prevents tipping or shifting and reduces vibration that may occur during operation, resulting in a machine that runs slightly quieter and feels more solid.

If the machine will be installed in a commercial or workplace setting, or if it is permanently connected (hardwired) to the power supply, local codes may require that it be anchored to the floor.

If not required by any local codes, fastening the machine to the floor is an optional step. If you choose not to do this with your machine, we recommend placing it on machine mounts, as these provide an easy method for leveling and they have vibration-absorbing pads.

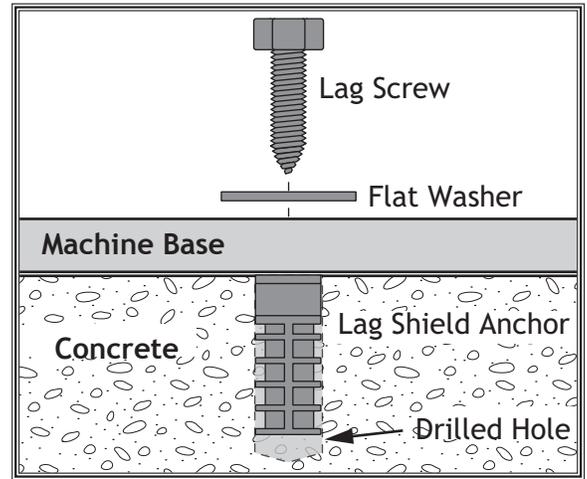


Figure 4. Popular method for anchoring machinery to a concrete floor.

Anchoring to Concrete Floors

Lag shield anchors with lag screws (see Figure) are a popular way to anchor machinery to a concrete floor, because the anchors sit flush with the floor surface, making it easy to unbolt and move the machine later, if needed. However, anytime local codes apply, you **MUST** follow the anchoring methodology specified by the code.

To anchor Model W1845 to a concrete floor, thread $\frac{7}{16}$ " lag screw through the (4) cabinet corner braces into a lag shield anchor inserted into the floor.

Assembly

Before beginning the assembly process, refer to **Items Needed for Setup** and gather everything you need. Ensure all parts have been properly cleaned of any heavy-duty rust-preventative applied at the factory (if applicable). Be sure to complete all steps in the assembly procedure prior to performing the **Test Run**.

⚠ WARNING

DO NOT attempt to perform any adjustments to the sanding belt while the machine is connected to a power source. Failure to unplug before adjusting the sanding belt could result in serious personal injury.

To assemble machine, do these steps:

1. DISCONNECT MACHINE FROM POWER!
2. Open belt access door by removing star knobs (see **Figure 5**) and opening all latches.
3. Lift belt tensioning lever, as shown in **Figure 6**.
4. Determine belt direction from arrows on dust port and access door.
5. Match arrows on sander to arrows inside sanding belt. Place and center belt on sanding drums.
6. Tension sanding belt by pushing belt tensioning lever down.
7. Close belt access door, insert star knobs, and latch levers.
8. Adjust belt tracking as described on **Page 21**.

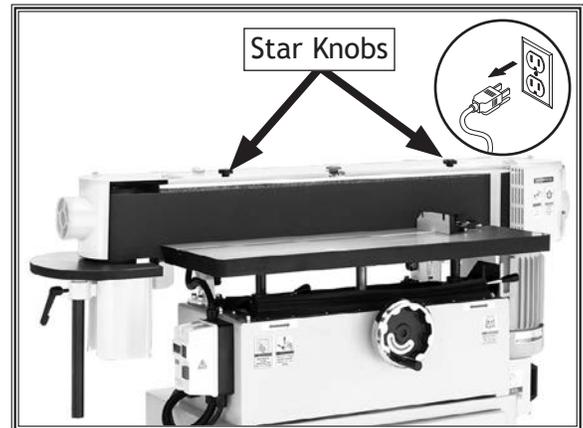


Figure 5. Star knobs securing belt access door.

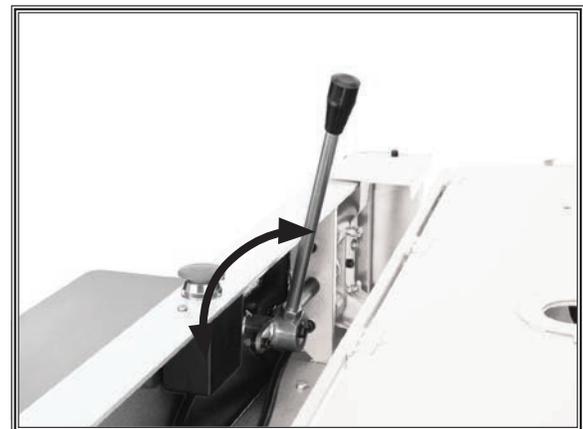


Figure 6. Belt tensioning lever in released position.

SETUP

9. Place a flat washer on each hex bolt and thread approximately one turn into holes in platen, as shown in **Figure 7**.

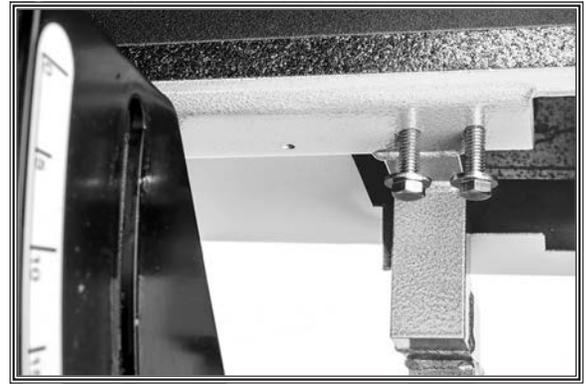


Figure 7. Backstop bolts.

10. Slide back stop onto hex bolts and tighten, allowing 1/8" clearance from belt to bottom of the backstop, as shown in **Figure 8**.

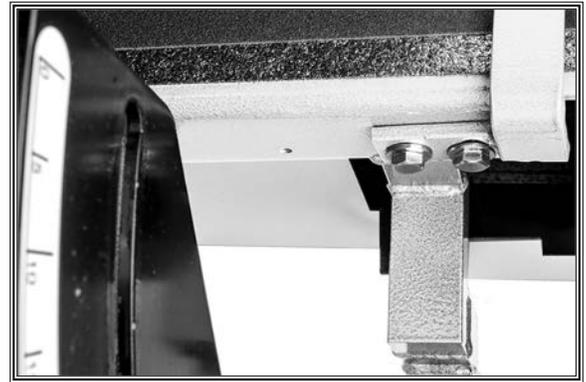


Figure 8. Backstop installed.

11. Align right dust port holes with tapped holes on back of sander.

12. Insert Phillips head screws and washers through aligned holes and tighten (see **Figure 9**).

13. Align hinges of left dust port with hinges on front of sander.

14. Mount left dust port using hinge pins and latches in a similar fashion to dust port cover.

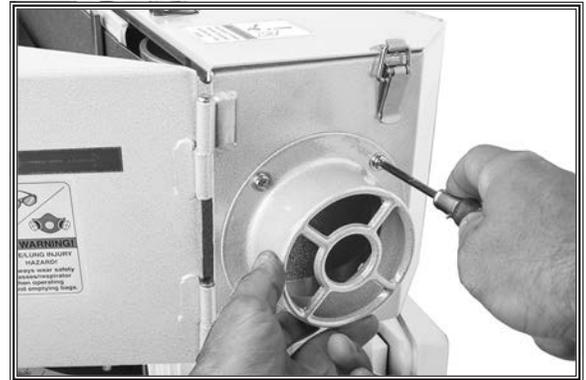


Figure 9. Installing right dust port.

15. Align dust port cover hinges with hinges on back of sander.

16. Insert hinge pins through aligned hinges, as shown in **Figure 10**, and tap with a hammer for full insertion.

17. Latch belt access door to dust port cover.

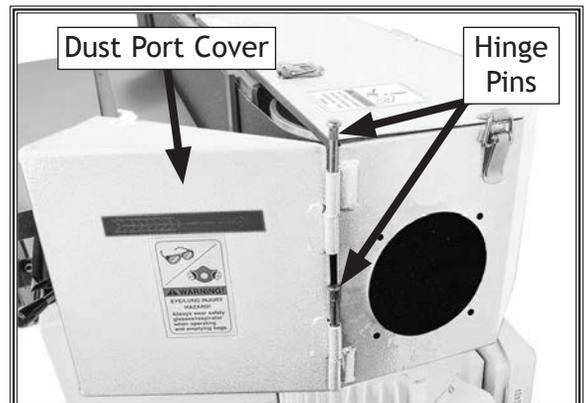


Figure 10. Dust port cover installed.

Dust Collection

Recommended CFM at Dust Port: 400 CFM

Do not confuse this CFM recommendation with the rating of the dust collector. To determine the CFM at the dust port, you must consider these variables: (1) CFM rating of the dust collector, (2) hose type and length between the dust collector and the machine, (3) number of branches or wyes, and (4) amount of other open lines throughout the system. Explaining how to calculate these variables is beyond the scope of this manual. Consult an expert or purchase a good dust collection “how-to” book.

There are two 4" dust-collection ports for the sander that should be connected to a dust collector. The port locations are shown in **Figure 11**.

Components and Hardware Needed:	Qty
Dust Collector	1
Dust Hoses 4"	2
Hose Clamps 4"	4

Tools Needed

Phillips Head Screwdriver #2.....	1
-----------------------------------	---

To connect your machine to a dust-collection system, do these steps:

1. Use 4" diameter hose and clamps to connect a dust-collection system to your dust ports (see **Figure 11**).
2. Tug the hose to make sure it does not come off.

Note: *A tight fit is necessary for proper performance.*

⚠ CAUTION

This machine creates substantial amounts of dust during operation. Breathing airborne dust on a regular basis can result in permanent respiratory illness. Reduce your risk by wearing a respirator and capturing the dust with a dust collection system.

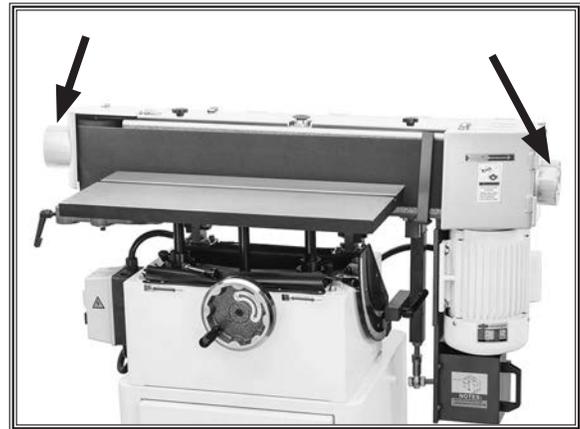


Figure 11. W1845 dust ports.

Sanding Spindle

The Model W1845 comes with a spindle sanding attachment for sanding curved surfaces. The included sanding drums measure 1 1/2", 2", and 3" in diameter. Be sure to periodically adjust table height to minimize spot wear on the spindle/belt.

Items Needed:	Qty
Sanding Drum (dia. of choice)	1
Table Insert (dia. of choice)	1

To install sanding spindle, do these steps:

1. DISCONNECT MACHINE FROM POWER!
2. Release the belt guard latch, open cover, and latch cover to the belt access door.
3. Remove the (3) cap screws and false cover from the drum.
4. Line up the screw holes and place the spindle into the drum.
5. Thread cap screws removed in **Step 3** into drum and tighten, as shown in **Figure 12**.
6. Slide sanding drum onto spindle, and insert spindle washer and hex bolt into top of spindle.
7. Insert rod into hole in base of spindle to anchor it, and tighten hex bolt, as shown in **Figure 13**.
8. Insert spindle table assembly shaft into opening in idler roller bracket (see **Figure 14**).
9. Thread table lock handle into pre-tapped hole in idler roller bracket.

Note: The handle is spring-loaded and can be used as a ratchet.
10. Remove 4" table insert by removing (3) flat head screws in the insert.
11. Replace with table insert that matches sanding drum diameter. Tighten with flat head screws removed in **Step 10**.



Figure 12. Tightening spindle cap screws.

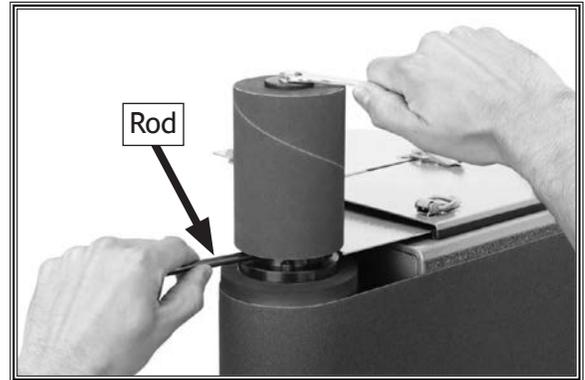


Figure 13. Using included rod to anchor spindle.

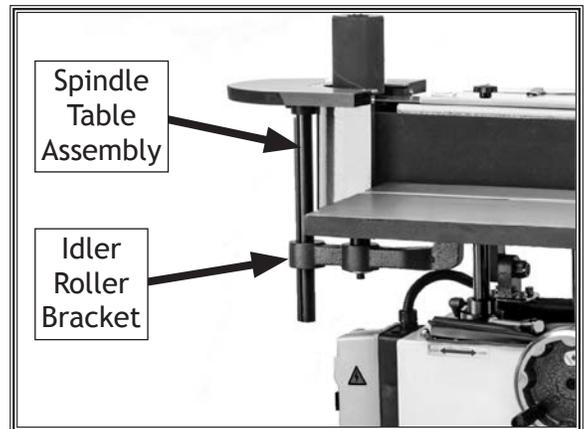


Figure 14. Spindle table assembly installed.

Belt Tracking

After sanding belt has been installed or replaced, or used for a significant amount of time, it is necessary to adjust the sanding belt tracking.

To adjust sanding belt tracking, do these steps:

1. Turn machine **ON** long enough to observe tracking of the sanding belt, then turn machine **OFF**.
2. If sanding belt does not track on a centered path across the rollers, adjustment is necessary.
3. **DISCONNECT MACHINE FROM POWER!**
4. Loosen the jam nut shown in **Figure 15** about 1 turn.
5. Determine if the sanding belt is tracking too high, or too low:
 - If the belt tracks above center, turn adjustment nut, shown in **Figure 15**, counterclockwise.
 - If the sanding belt tracks below center, turn adjustment nut clockwise.
6. Tighten jam nut.
7. Connect machine to power and turn **ON**. Observe belt tracking behavior:
 - If belt is tracking correctly, no further adjustment is necessary.
 - If belt is not tracking correctly, repeat **Steps 3-7**.

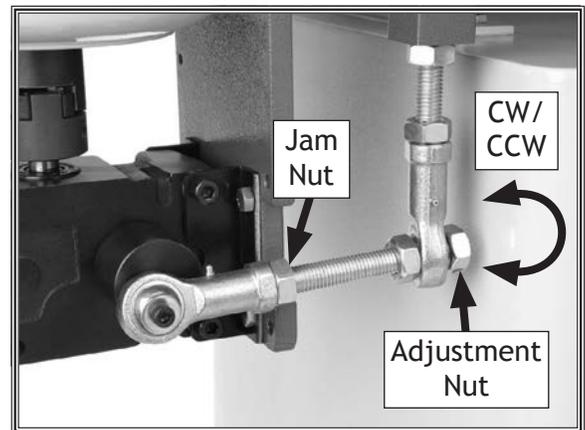


Figure 15. Check and adjustment nuts.

Test Run

Once assembly is complete, test run the machine to ensure it is properly connected to power and safety components are functioning properly.

If you find an unusual problem during the test run, immediately stop the machine, disconnect it from power, and fix the problem BEFORE operating the machine again. The **Troubleshooting** table in the **SERVICE** section of this manual can help.

The test run consists of verifying the following: 1) The motor powers up and runs correctly, and 2) the safety disabling mechanism on the emergency stop button works correctly.

To test run the machine, do these steps:

1. Clear all setup tools away from machine.
2. Connect machine to power supply.
3. Push E-stop button in, then twist it clockwise so it pops out—this resets the switch so it will start the machine (see **Figure 16**).
4. Push the ON button to start the machine. A correctly operating machine runs smoothly with little or no vibration or rubbing noises.
5. Press E-stop button to stop machine (see **Figure 17**).
6. WITHOUT resetting E-stop button, press ON button. The machine should not start.
 - If machine *does not* start, the E-stop button safety feature is working correctly. Congratulations! The Test Run is complete.
 - If machine *does* start (with E-stop button pushed in), immediately disconnect power from machine. The E-stop button safety feature is not working correctly. This safety feature must work properly before proceeding with regular operations. Call Tech Support for help.

⚠ WARNING

Serious injury or death can result from using this machine BEFORE understanding its controls and related safety information. DO NOT operate, or allow others to operate, machine until the information is understood.

⚠ WARNING

DO NOT start machine until all preceding setup instructions have been performed. Operating an improperly set up machine may result in malfunction or unexpected results that can lead to serious injury, death, or machine/property damage.

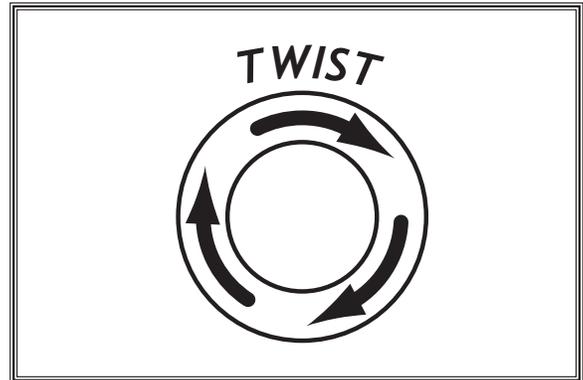


Figure 16. Resetting the E-stop button.

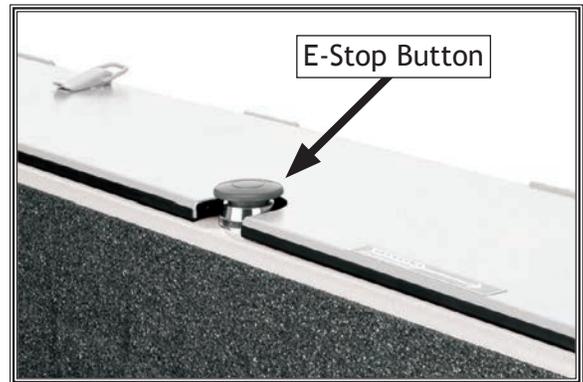


Figure 17. E-stop switch location.

OPERATIONS

General

This machine will perform many types of operations that are beyond the scope of this manual. Many of these operations can be dangerous or deadly if performed incorrectly.

The instructions in this section are written with the understanding that the operator has the necessary knowledge and skills to operate this machine. If at any time you are experiencing difficulties performing any operation, stop using the machine!

The overview below provides the novice machine operator with a basic understanding of how the machine is used during operation, so the machine controls/components discussed later in this manual are easier to understand. Due to its generic nature, this overview is **NOT** intended to be an instructional guide.

To complete a typical operation, the operator does the following:

1. Examines workpiece to make sure it is suitable for sanding. No extreme bows, knots, or cracks should exist.
2. Prepares and trims workpiece as necessary.
3. Adjusts table horizontally to allow maximum $1/16$ " clearance between table and sandpaper.
4. Inspects sandpaper for damage and replaces if necessary.
5. Chooses sandpaper grit appropriate for operation and correctly installs sandpaper.
6. Ties back loose hair and clothing, and puts on face shield and respirator. Takes all other required safety precautions.
7. Starts sander.
8. While holding workpiece with both hands, gradually eases workpiece into sanding belt or spindle.

! WARNING

To reduce your risk of serious injury or damage to the machine, read this entire manual **BEFORE** using machine.

! WARNING

To reduce the risk of eye injury and long-term respiratory damage, always wear safety glasses and a respirator while operating this machine.

NOTICE

If you are an inexperienced operator, we strongly recommend that you read books or trade articles, or seek training from an experienced operator of this type of machinery before performing unfamiliar operations. Above all, safety must come first!

Platen Angle Adjustment

The sanding angle of the oscillating edge sander is variable between 0 and 90 degrees.

To adjust platen angle, do these steps:

1. Loosen angle adjustment lock handle and tilt sander until the pointer is aligned with desired angle, as shown in **Figure 18**.
2. Tighten angle adjustment lock handle.

Note: Refer to **Page 32** to calibrate the angle scale.

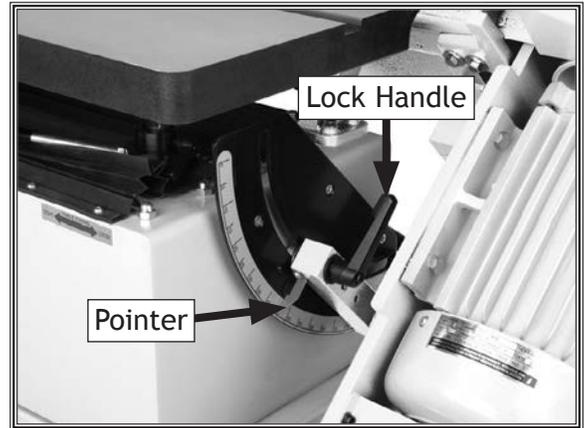


Figure 18. Adjusted sanding angle.

Table Adjustment

The table on the oscillating edge sander moves both vertically and horizontally to accommodate various workpiece shapes and thicknesses. Adjust table height periodically to reduce spot wear of your sanding belt.

Vertically Adjusting Table

1. Loosen the lock handles that secure table height position.
2. Turn table height adjustment handwheel shown in **Figure 19** clockwise to raise table or counterclockwise to lower table.
3. When desired position is achieved, tighten the lock handles to secure table height.

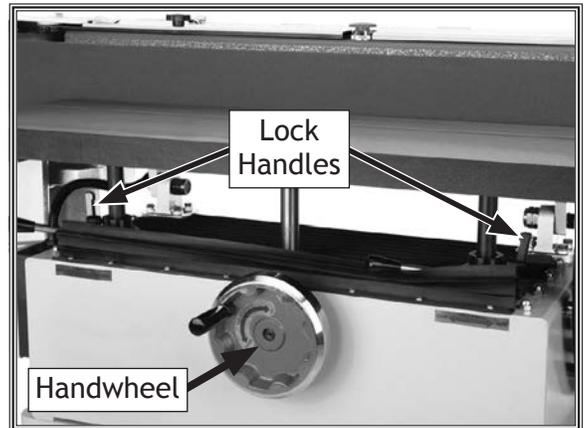


Figure 19. Height adjustment controls.

Horizontally Adjusting Table

1. Move table lock levers to the loose position, as illustrated by labels on machine.
2. Push or pull table until there is a gap of no more than $\frac{1}{16}$ " from sanding belt, as shown in **Figure 20**.
3. Move table lock levers to the locked position to secure table position.

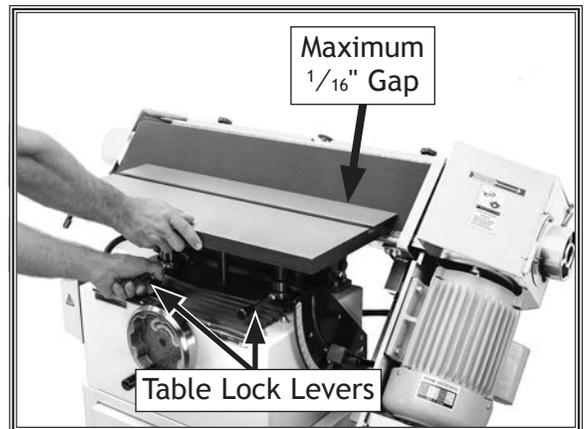


Figure 20. Horizontal table adjustment.

Miter Gauge

The miter gauge needs to be adjusted perpendicular to the face of the belt when it is mounted in the table slot.

To adjust the miter gauge, do these steps:

1. DISCONNECT MACHINE FROM POWER!
2. Use a machinist's square with one edge against face of miter gauge and the other against belt face, as shown in **Figure 21**.
3. Loosen lock knob on miter gauge (see **Figure 21**) to adjust it flush with edge of the square.
4. Tighten lock knob, and verify the setting.

Note: Sometimes the tightening procedure can affect adjustment.

5. Loosen the screw that secures the angle pointer, and adjust pointer to the 0° mark on scale.
6. Retighten screw that secures the angle pointer.

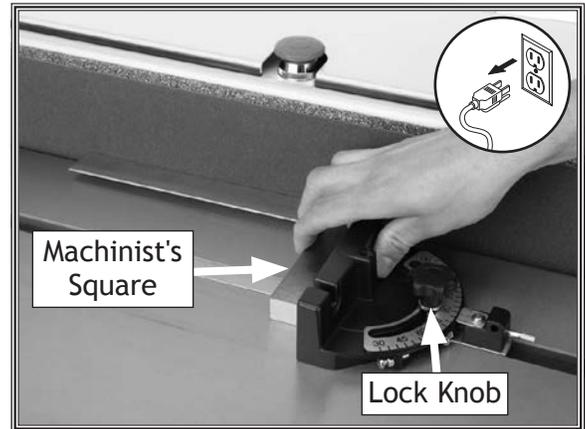


Figure 21. Squaring miter gauge to belt.

Spindle Table Height

The spindle table on the oscillating edge sander can be moved vertically to accommodate various sanding operations and to decrease spot wear on the sanding drums.

To adjust spindle table height, do these steps:

1. Loosen adjustment lock handle shown in **Figure 22**.
2. Raise or lower spindle table to desired height.
3. Tighten adjustment lock handle.

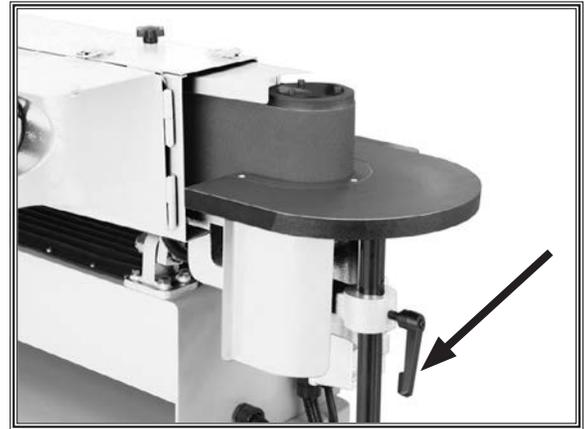


Figure 22. Spindle table adjustment lock handle.

Spindle Sanding

The spindle sander on the Model W1845 produces a high-quality sanding finish on inside contours.

To perform spindle sanding operations, do these steps:

1. Make sure that appropriate spindle and table inserts have been installed correctly and that both are secured tightly (see **Page 20**).
2. Position table in desired location and turn sander **ON**.
3. While securely holding the workpiece, lightly press it against the spindle and maintain consistent pressure against table, as shown in **Figure 23**. Use extra caution when sanding end-grain.
4. When you have completed your sanding operation, turn sander **OFF**.

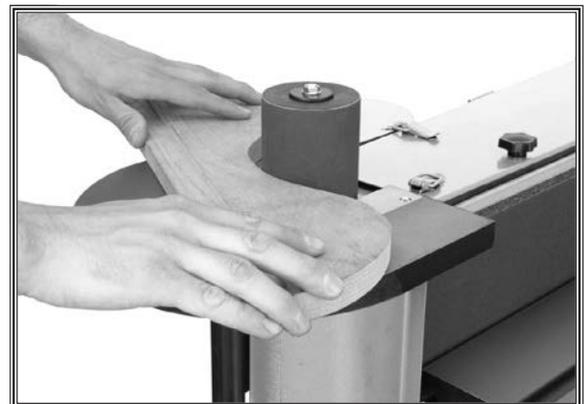


Figure 23. Spindle sanding.

Edge & End Sanding

Proper use of the oscillating edge sander will yield excellent sanding results due to the oscillating movement.

To perform an edge or end sanding operation, do these steps:

1. Start sander by turning sander **ON**.
2. Support the workpiece against the backstop, and slowly feed workpiece into moving belt, as shown in **Figure 24**.
3. When you have completed your sanding operation, turn sander **OFF**.

⚠ CAUTION

If you must feed a workpiece into the sanding belt corner first, feed the trailing corner first. Feeding the leading corner first could cause the sanding belt to grab the workpiece and jerk it out of your hands.

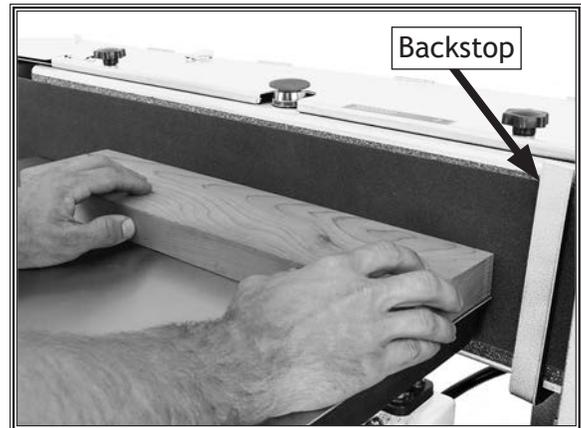


Figure 24. Typical edge sanding operation.

Fence

The Model W1845 comes with a removable fence to assist sanding operations when table is in the horizontal position.

Items Needed:	Qty
Fence	1
Star Knob	2
Flat Washer ⁵ / ₁₆ "	2

To mount fence, do these steps:

1. **DISCONNECT MACHINE FROM POWER!**
2. Set fence on table and align the slots with the threaded holes in table.
3. Thread the star knobs and flat washers into the threaded table holes (see **Figure 25**) and tighten.

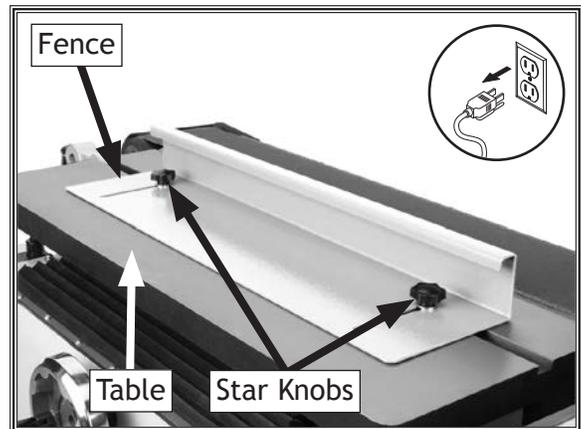


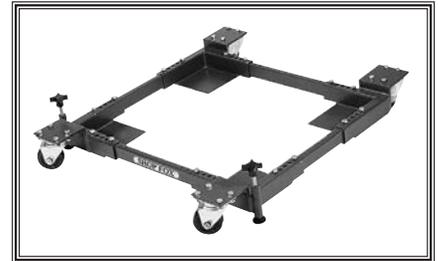
Figure 25. Fence installed.

ACCESSORIES

Edge Sander Accessories

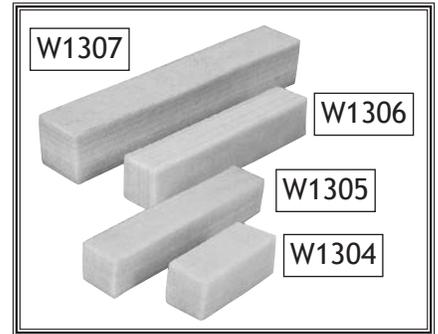
The following edge sander accessories may be available through your local Woodstock International Inc. Dealer. If you do not have a dealer in your area, these products are also available through online dealers. Please call or e-mail Woodstock International Inc. Customer Service to get a current listing of dealers at: 1-800-840-8420 or at sales@woodstockint.com.

The **D2057A Shop Fox Heavy-Duty Mobile Base** is one of the most stable mobile bases on the market. Its heavy-duty casters are arranged on outriggers for a low center of gravity so you can move your W1845 easily and lock it in place. The D2057A can be leveled without the use of shims or tools. It has a weight capacity of 700 lbs.

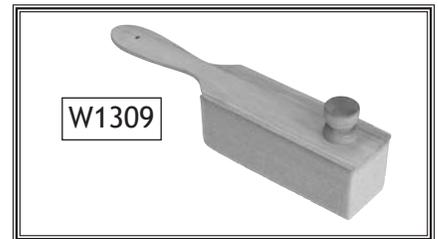


- W1304—PRO-STIK® Belt Cleaner** 1³/₈" x 4¹/₄"
- W1305—PRO-STIK® Belt Cleaner** 1³/₈" x 8¹/₂"
- W1306—PRO-STIK® Belt Cleaner** 1¹/₂" x 1¹/₂" x 8¹/₂"
- W1307—PRO-STIK® Belt Cleaner** 2" x 2" x 12"

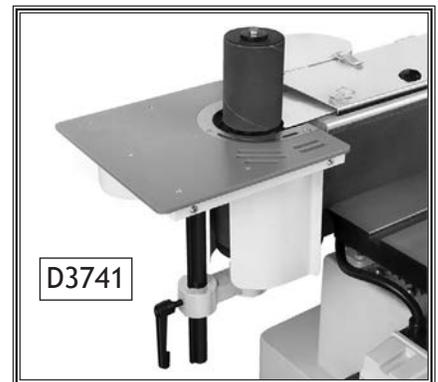
These Pro-Stik belt cleaners use crepe-rubber to quickly remove gum and grit from belts and discs without damage. Just press the cleaning block against your sanding belt until it is clean.



W1309—PRO-STIK® 6" Abrasive Belt/Disk Cleaner with Handle
The W1309 Pro-Stik 6" Abrasive Belt-Disk Cleaner with Handle has a knob on the end of its handle for those two-handed belt cleaning jobs. Both the wooden knob and handle provide great control during abrasive belt cleaning operations.



D3741—Shop Fox Auxiliary Table w/Dust Downdraft
This Shop Fox® Auxiliary Table w/Dust Downdraft improves dust collection when workpieces are sanded on the spindle drum or end of the sanding belt. Includes the auxiliary table and 1³/₄", 2¹/₄", 3¹/₄" and 4¹/₄" table inserts. The 4¹/₄" table insert will fit over the main sanding belt and idler roller for belt sanding. The smaller table inserts only fit the sanding drum for drum sanding. Easy to install and instructions included.



OPERATIONS

MAINTENANCE

General

For optimum performance from your machine, follow this maintenance schedule and refer to any specific instructions given in this section.

Daily Check

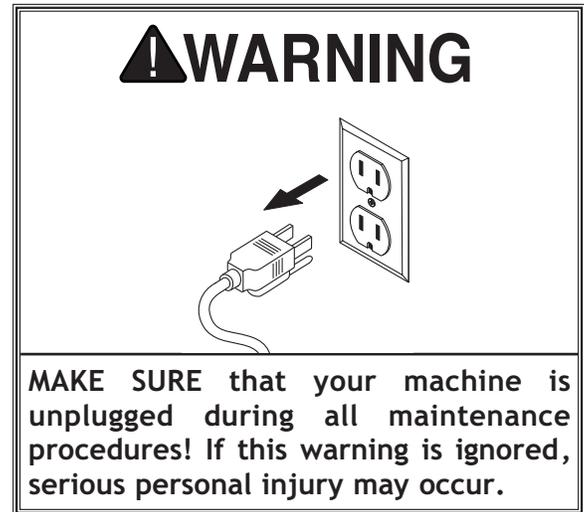
- Loose mounting bolts.
- Damaged sanding belt.
- Worn or damaged wires.
- Any other unsafe condition.

Weekly Maintenance

- Check/adjust lubrication level in gearbox.

Monthly Check

- V-belt tension, damage, or wear.
- Clean/vacuum dust buildup from inside cabinet and off motor.



Cleaning & Protecting

Cleaning the Model W1845 is relatively easy. Vacuum excess sawdust and wipe off the remaining dust with a dry cloth. If any resin has built up, use a resin-dissolving cleaner to remove it.

Protect the unpainted cast-iron table by wiping it clean after every use—this ensures moisture from wood dust does not remain on bare metal surfaces. Keep your table rust-free with regular applications of quality lubricants.

Lubrication

After operating the Model W1845 for approximately 500 hours, check the gearbox oil level and refill as needed.

Items Needed:	Qty
Open-End Wrench 10 x 12mm	1
Hex Wrench 5mm	1
Grease Gun w/All-Purpose Grease	1
Oil Can w/Light Machine Oil	1
SAE 80W Gear Oil	As Needed

Checking/Refilling Gearbox Oil

1. DISCONNECT MACHINE FROM POWER!
2. Place belt sander in horizontal position.
3. Remove cap screws on top of gearbox cover shown in **Figure 26**.
4. Remove hex bolts on opposite side of gearbox and remove the gearbox cover.
5. Remove oil fill plug on top of gearbox, as shown in **Figure 27**, and fill with SAE 80W gear oil until level is 1/2" from top. Replace oil fill plug.
6. Re-install gearbox cover with hex bolts and cap screws removed in **Steps 3-4**.

Oil Ports & Grease Fittings

There are two oil ports shown in **Figure 28** and four grease fittings shown in **Figure 29**. Lubricate these points after approximately 50 hours of use.

Rack and Pinion Gear

The rack and pinion gear that moves the table vertically should be greased well to maintain smooth operation.

To grease rack and pinion gear, do these steps:

1. With table in its lowest position, wipe rack and pinion with a rag to remove buildup of sawdust and old grease.
2. Apply a coat of all-purpose grease to rack and pinion gears.

Note: All other bearings on Model W1845 are sealed and permanently lubricated.

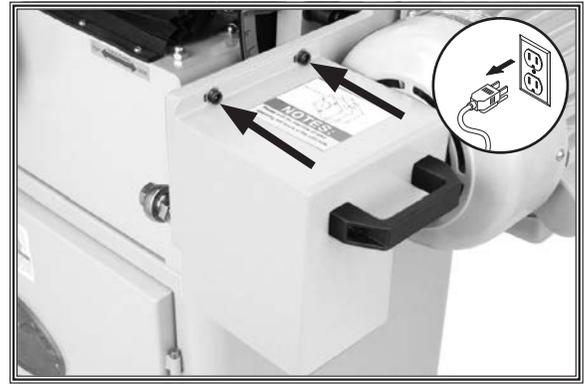


Figure 26. Gearbox cap screws.

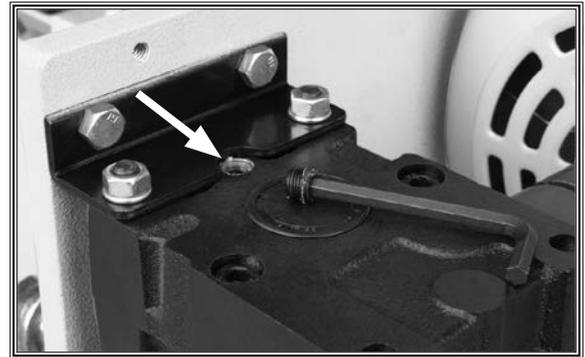


Figure 27. Oil fill hole and fill plug.

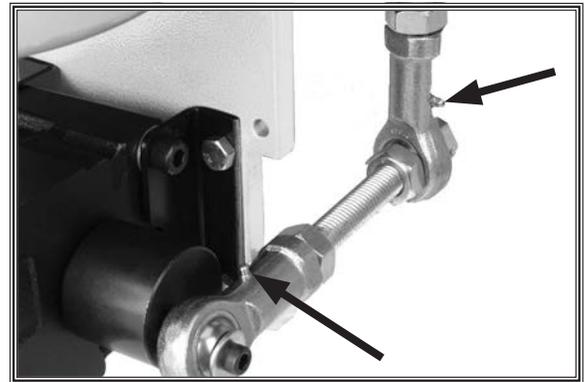


Figure 28. Oil ports on oscillating assembly.



Figure 29. Grease fittings inside sanding body.

Spindle Connector

The spindle connector connects the shafts from the motor to the gearbox and is secured by two set screws (see **Figure 30**) that need to be tightened every time the gearbox oil is filled (every 500 hours).

Tools Needed	Qty
Hex Wrench 5mm	1
Hex Wrench 4mm	1
Open-End Wrench 10 x 12mm	1

To secure spindle connector set screws, do these steps:

1. Refer to **Lubrication, Checking/Refilling Gearbox Oil, Steps 1-3 on Page 30** to remove gearbox cover.
2. Tighten set screws shown in **Figure 30**.
3. Re-install gearbox cover.

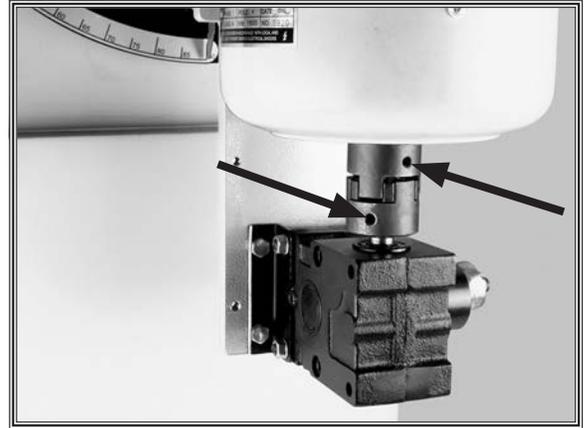


Figure 30. Location of spindle connector set screws.

Eccentric Gear

The eccentric gear on Model W1845 is connected to the shaft by a set screw (see **Figure 31**). This set screw needs to be tightened every time the gearbox oil is filled (every 500 hours).

Tools Needed	Qty
Hex Wrench 5mm	1
Hex Wrench 4mm	1
Open End Wrench 10 x 12mm.....	1

To secure eccentric gear set screw, do these steps:

1. Refer to **Lubrication, Checking/Refilling Gearbox Oil, Steps 1-4 on Page 30** to remove gearbox cover.
2. Tighten set screw on eccentric gear (see **Figure 31**).
3. Re-install gearbox cover.



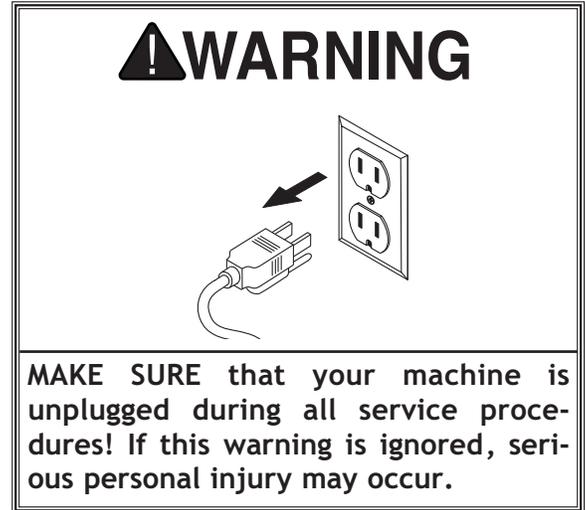
Figure 31. Location of eccentric gear set screw.

SERVICE

General

This section covers the most common service adjustments or procedures that may need to be made during the life of your machine.

If you require additional machine service not included in this section, please contact Woodstock International Technical Support at (360) 734-3482 or send e-mail to: techsupport@woodstockint.com.



Calibrating Angle Gauge

In order to maintain accuracy and precision with the oscillating edge sander, periodically calibrate the angle gauge.

Tools Needed	Qty
Machinist's Square	1
Flat Head Screwdriver	1

To calibrate the angle gauge, do the following steps:

1. DISCONNECT MACHINE FROM POWER!
2. Loosen angle adjustment lock handle (see **Figure 32**).
3. Place machinist's square on table and press it against the platen, as shown in **Figure 33**.
4. Adjust platen until it is flush with the machinist's square.
5. Tighten angle adjustment lock handle.
6. Loosen angle indicator pin screw, shown in **Figure 32**, 1/2 turn.
7. Align angle indicator pin with the 90° mark and tighten angle indicator pin screw.



Figure 32. Angle indicator pin screw.

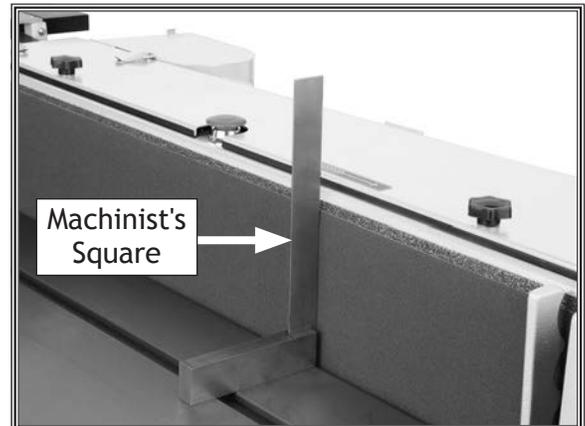


Figure 33. Aligning table to platen.

Removing Drive Roller

Model W1845 comes equipped with a puller to remove the drive roller should it become necessary to do so.

Items Needed	Qty
Cap Screw $\frac{5}{16}$ "-18 x $1\frac{1}{4}$ "	1
Cap Screws $\frac{1}{4}$ "-20 x $1\frac{3}{4}$ "	2
Drive Puller Plate	1
Hex Wrench 5mm	1
Hex Wrench 6mm	1
Socket $\frac{7}{8}$ "	1
Ratchet w/6" extension	1

To remove drive roller, do the following steps:

1. DISCONNECT MACHINE FROM POWER!
2. Remove hex nut and lock washer securing driver roller to shaft.
3. Thread (2) $\frac{1}{4}$ "-20 x $1\frac{3}{4}$ " cap screws on puller four turns into threaded holes in drive roller (see **Figure 34**).
4. Thread and tighten $\frac{5}{16}$ "-18 x $1\frac{1}{4}$ " cap screw into center of puller, shown in **Figure 34**, until drive roller is pulled.
5. To re-install, place drive roller on shaft, and thread lock washer and hex nut onto shaft and tighten securely.

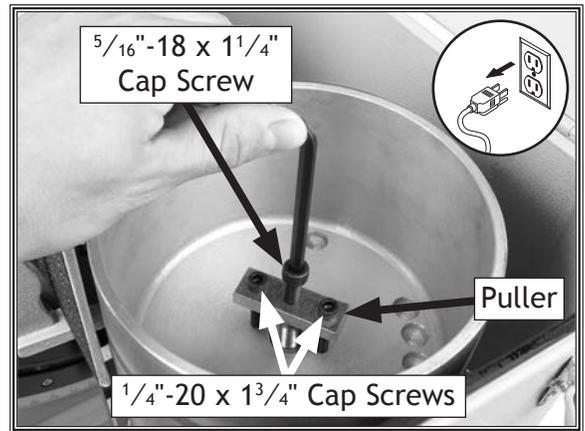


Figure 34. Using the drive roller puller.

Note: *DO NOT hammer drive roller onto shaft or you will cause damage to the shaft.*

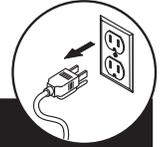
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ew

SERVICE

Troubleshooting

The following troubleshooting tables cover common problems that may occur with this machine. If you need replacement parts or additional troubleshooting help, contact our Technical Support.

Note: Before contacting Tech Support, find the machine serial number and manufacture date, and if available, your original purchase receipt. This information is required to properly assist you.



Motor and Electrical

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Machine does not start or power supply breaker trips immediately after startup.	<ol style="list-style-type: none"> E-Stop Button depressed/at fault. Incorrect power supply voltage or circuit size. Power supply circuit breaker tripped or fuse blown. Motor wires connected incorrectly. Thermal overload relay has tripped. Start capacitor at fault. Contactors not energized/has poor contacts. Wiring open/has high resistance. ON/OFF or circuit breaker switch at fault. Motor at fault. 	<ol style="list-style-type: none"> Rotate E-Stop Button head to reset. Replace if at fault (Page 22). Ensure correct power supply voltage and circuit size. Ensure circuit is sized correctly and free of shorts. Reset circuit breaker or replace fuse (Page 9). Correct motor wiring connections (Page 36). Reset; adjust trip load dial if necessary; replace. Test/replace if at fault. Test all legs for power; replace if necessary. Check/fix broken, disconnected, or corroded wires (Page 36). Replace switch/circuit breaker. Test/repair/replace.
Machine stalls or is underpowered.	<ol style="list-style-type: none"> Workpiece material is not suitable for this machine. Run capacitor at fault. Motor wired incorrectly. Motor bearings at fault. Machine undersized for task. Motor overheated, tripping machine circuit breaker. Contactors not energized/has poor contacts. Motor at fault. 	<ol style="list-style-type: none"> Only cut wood products; make sure moisture content is below 20%. Test/repair/replace. Wire motor correctly (Page 36). Test/repair/replace. Clean/replace sandpaper; reduce feed rate/sanding depth. Clean motor/let cool, and reduce workload. Reset circuit breaker. Test all legs for power/replace if at fault. Test/repair/replace.
Machine has vibration or noisy operation.	<ol style="list-style-type: none"> Main drive roller hex nut is missing or loose. Machine incorrectly mounted/resting on floor. Motor fan rubbing on fan cover. Motor or component loose. Motor mount loose/broken. Motor bearings at fault. 	<ol style="list-style-type: none"> Inspect keys and set screws. Replace or tighten if necessary (Page 33). Tighten mounting bolts; relocate/shim machine. Fix/replace fan cover; replace loose/damaged fan. Inspect/replace damaged bolts/nuts, and re-tighten with blue thread-locking fluid. Tighten/replace. Test by rotating shaft; rotational grinding/loose shaft requires bearing replacement.



Operations

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Machine vibrates excessively (non-motor related).	<ol style="list-style-type: none"> Stand not stable on floor. Incorrect sanding belt tension. Drive roller too loose. Broken/defective sanding belt. 	<ol style="list-style-type: none"> Reposition to level surface, or shim stand. Make sure tension lever is engaged (Page 17). Adjust drive roller (Page 33). Replace sanding belt (Page 17).
Sanded surface not square.	<ol style="list-style-type: none"> Table not perpendicular to belt. 	<ol style="list-style-type: none"> Adjust platen tilt by calibrating angle gauge (Page 32).
Deep sanding grooves or scores in workpiece.	<ol style="list-style-type: none"> Sandpaper too coarse for desired finish. Workpiece sanded across grain. Too much sanding force on workpiece. Workpiece held still against belt. 	<ol style="list-style-type: none"> Use finer grit sanding belt. Sand with grain. Reduce pressure on workpiece while sanding (Page 27). Keep workpiece moving while sanding with belt.
Abrasive grit rubs off the belt easily.	<ol style="list-style-type: none"> Sanding belt has been stored in an incorrect environment. Sanding belt has been folded or crushed. 	<ol style="list-style-type: none"> Store sanding belt away from extremely dry/hot or damp/wet temperatures. Store sanding belt flat, not folded or bent.
Sanding belt surfaces clog quickly or burn.	<ol style="list-style-type: none"> Too much pressure against belt. Sanding softwood. Sanding belt too fine. 	<ol style="list-style-type: none"> Reduce pressure on workpiece while sanding (Page 27). Use different stock. Or, accept characteristics of workpiece and plan on cleaning/replacing belts frequently. Use coarser grit sanding belt.
Burn marks on workpiece.	<ol style="list-style-type: none"> Using too fine of sanding grit. Too much pressure against belt. Work held still for too long. 	<ol style="list-style-type: none"> Use coarser grit sanding belt. Reduce pressure on workpiece while sanding (Page 27). Do not keep workpiece in one place for too long.
Glazed sanding surfaces.	<ol style="list-style-type: none"> Sanding wet stock. Sanding stock with high residue. Belt worn or filled with pitch/residue. 	<ol style="list-style-type: none"> Dry stock properly before sanding. Use different stock. Or, accept characteristics of workpiece and plan on cleaning/replacing belts frequently. Replace belt or clean pitch/residue from belt with belt-cleaning stick.
Workpiece frequently gets pulled out of your hand.	<ol style="list-style-type: none"> Not supporting workpiece against backstop. Starting workpiece on a leading corner. 	<ol style="list-style-type: none"> Use backstop/miter gauge to support workpiece (Page 27). Start workpiece on a trailing corner.
Belt has difficulty tracking correctly.	<ol style="list-style-type: none"> Sanding belt tracking incorrect. Incorrect sanding belt tension. Sanding belt damaged, worn, or misshapen. 	<ol style="list-style-type: none"> Adjust sanding belt tracking (Page 21). Make sure tension lever is engaged (Page 17). Replace sanding belt (Page 17).

Electrical Safety Instructions

These pages are current at the time of printing. However, in the spirit of improvement, we may make changes to the electrical systems of future machines. Compare the manufacture date of your machine to the one stated in this manual, and study this section carefully.

If there are differences between your machine and what is shown in this section, call Technical Support at (360) 734-3482 for assistance BEFORE making any changes to the wiring on your machine. An updated wiring diagram may be available. **Note:** Please gather the serial number and manufacture date of your machine before calling. This information can be found on the main machine label.

⚠ WARNING

SHOCK HAZARD. Working on wiring that is connected to a power source is extremely dangerous. Touching electrified parts will result in personal injury including but not limited to severe burns, electrocution, or death. Disconnect the power from the machine before servicing electrical components!

QUALIFIED ELECTRICIAN. Due to the inherent hazards of electricity, only a qualified electrician should perform wiring tasks on this machine. If you are not a qualified electrician, get help from one before attempting any kind of wiring job.

WIRE CONNECTIONS. All connections must be tight to prevent wires from loosening during machine operation. Double-check all wires disconnected or connected during any wiring task to ensure tight connections.

WIRE/COMPONENT DAMAGE. Damaged wires or components increase the risk of serious personal injury, fire, or machine damage. If you notice that any wires or components are damaged while performing a wiring task, replace those wires or components before completing the task.

MODIFICATIONS. Using aftermarket parts or modifying the wiring beyond what is shown in the diagram may lead to unpredictable results, including serious injury or fire.

MOTOR WIRING. The motor wiring shown in these diagrams is current at the time of printing, but it may not match your machine. Always use the wiring diagram inside the motor junction box.

CAPACITORS/INVERTERS. Some capacitors and power inverters store an electrical charge for up to 10 minutes after being disconnected from the power source. To reduce the risk of being shocked, wait at least this long before working on capacitors.

CIRCUIT REQUIREMENTS. You MUST follow the requirements at the beginning of this manual when connecting your machine to a power source.

EXPERIENCING DIFFICULTIES. If you are experiencing difficulties understanding the information included in this section, contact our Technical Support at (360) 734-3482.

NOTICE

The photos and diagrams included in this section are best viewed in color. You can view these pages in color at www.shopfox.biz.

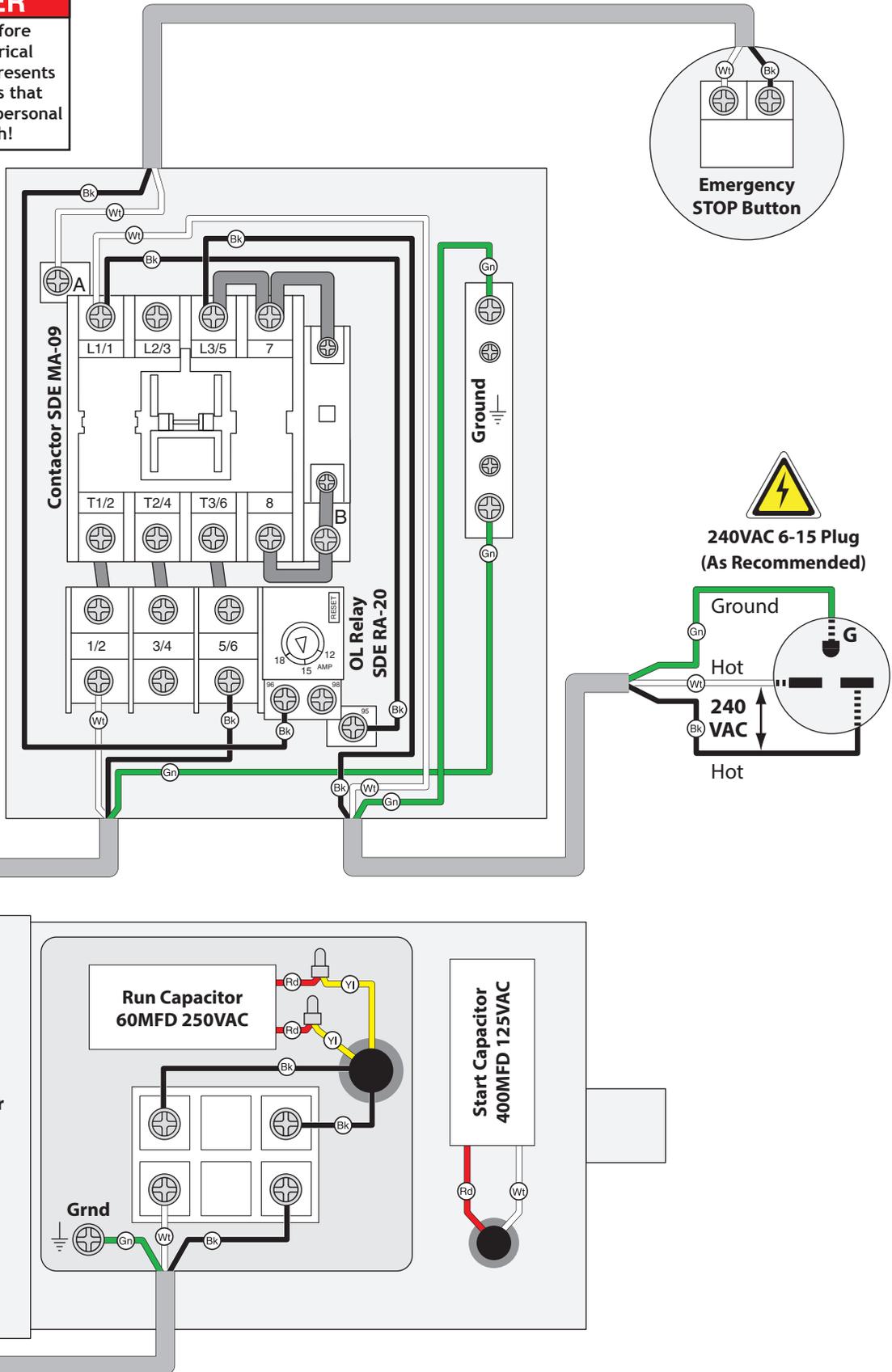
WIRING DIAGRAM COLOR KEY

BLACK — Bk	BLUE — Bl	YELLOW — Yl	LIGHT BLUE — Lb
WHITE — Wt	BROWN — Br	YELLOW GREEN — Yg	BLUE WHITE — Bw
GREEN — Gn	GRAY — Gy	PURPLE — Pu	TUR-QUOISE — Tu
RED — Rd	ORANGE — Or	PINK — Pk	

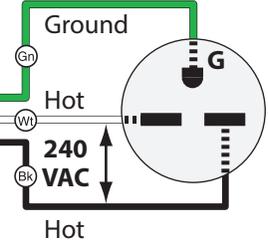
Wiring Diagram

⚠ DANGER
 Disconnect power before performing any electrical service. Electricity presents serious shock hazards that will result in severe personal injury and even death!

Read Page 36
STOP
 Before Wiring



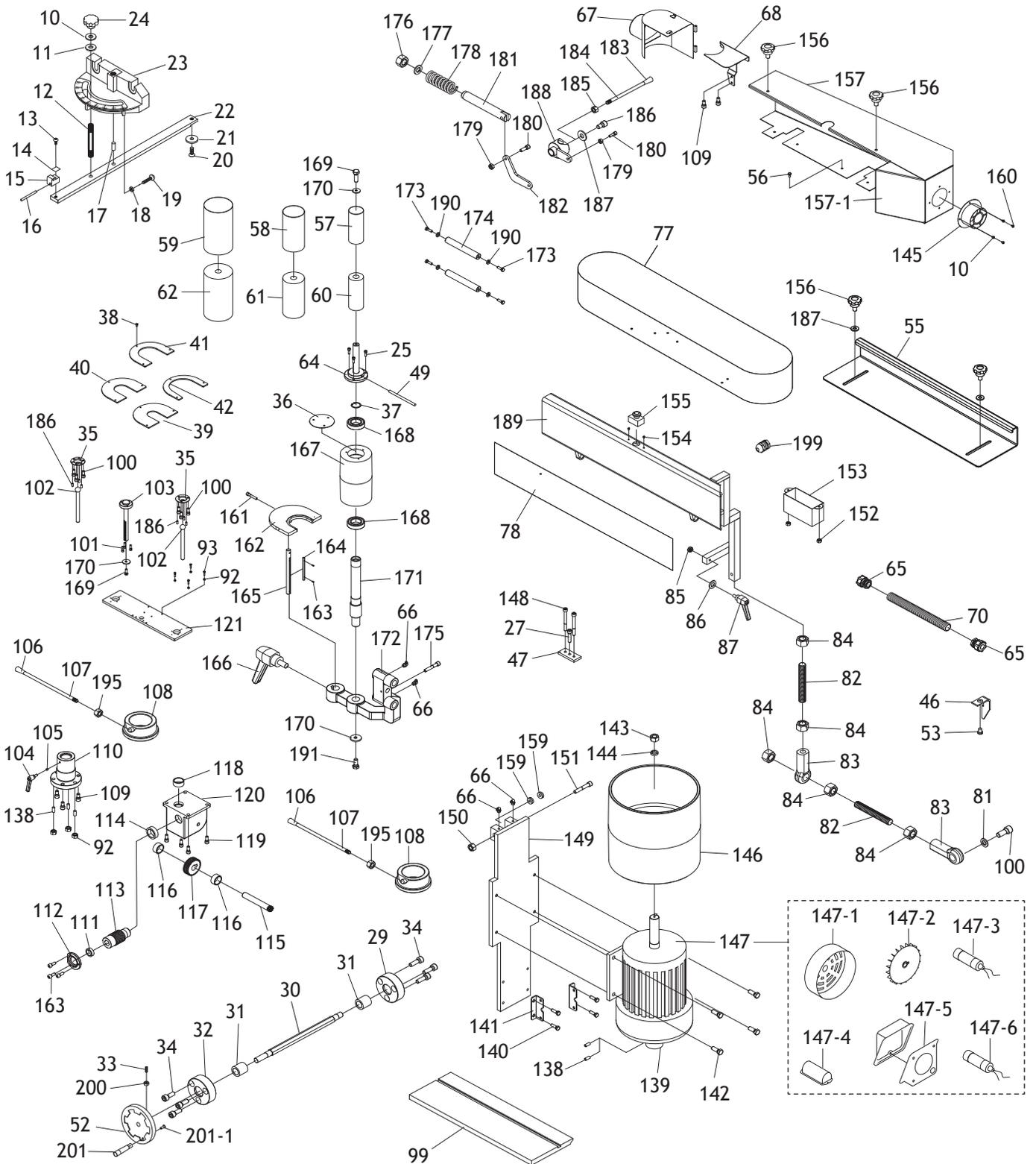
240VAC 6-15 Plug
 (As Recommended)



SERVICE

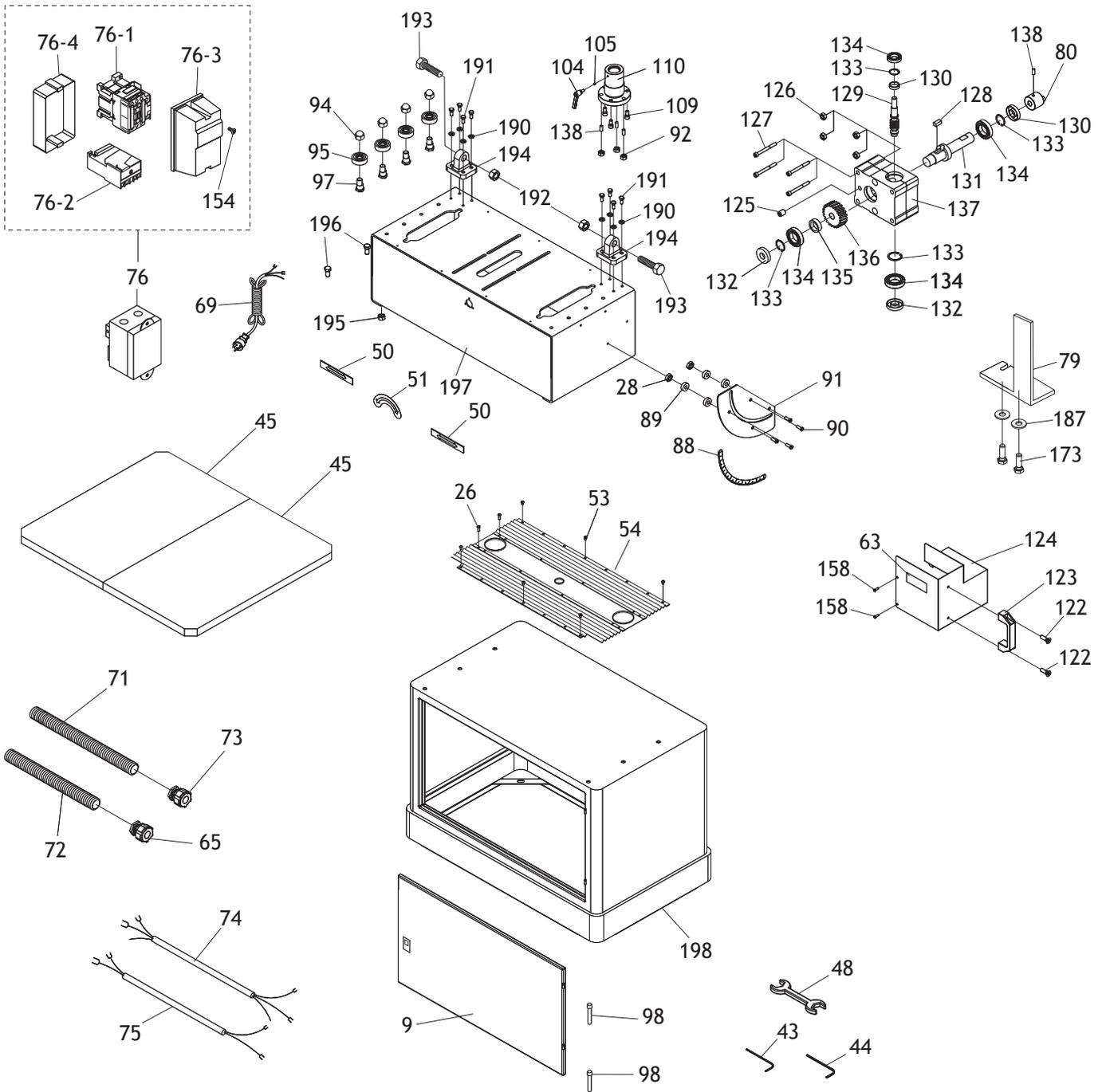
PARTS

Sanding Head/Table



PARTS

Base/Gearbox



Parts List

REF	PART #	DESCRIPTION
9	X1845009	DOOR W/LATCH
10	X1845010	FLAT WASHER 1/4
11	X1845011	FLAT WASHER 1/4 PLASTIC
12	X1845012	STUD 1/4-20 X 1-1/4
13	X1845013	PHLP HD SCR 10-24 X 1/4
14	X1845014	POINTER PLATE
15	X1845015	POINTER BODY
16	X1845016	MITER STOP SHAFT
17	X1845017	PIVOT PIN
18	X1845018	HEX NUT 10-24
19	X1845019	PHLP HD SCR 10-24 X 3/4
20	X1845020	FLAT HD SCR 10-24 X 3/8
21	X1845021	FLAT WASHER #10
22	X1845022	MITER BAR
23	X1845023	MITER GAUGE BODY
24	X1845024	FEMALE KNOB 1/4-20
25	X1845025	CAP SCREW M5-.8 X 16
26	X1845026	PHLP HD SCR 10-24 X 3/4
27	X1845027	CAP SCREW 5/16-18 X 1-1/4
28	X1845028	HEX NUT 1/4-20
29	X1845029	HEX SPINDLE BACK COVER
30	X1845030	HEX SPINDLE
31	X1845031	SLEEVE
32	X1845032	HEX SPINDLE FRONT COVER
33	X1845033	SET SCREW 5/16-18 X 3/4
34	X1845034	CAP SCREW M6-1 X 16
35	X1845035	TABLE MOUNTING BRACKET
36	X1845036	IDLER ROLLER COVER
37	X1845037	EXT RETAINING RING 25MM
38	X1845038	FLAT HD SCR 10-24 X 3/8
39	X1845039	TABLE INSERT 1-1/2"
40	X1845040	TABLE INSERT 2-1/2"
41	X1845041	TABLE INSERT 3"
42	X1845042	TABLE INSERT 4"
43	X1845043	HEX WRENCH 5MM
44	X1845044	HEX WRENCH 6MM
45	X1845045	WOOD BOARD 25 X 395 X 457MM
46	X1845046	POINTER
47	X1845047	PLATE 70 X 32 X 8MM
48	X1845048	WRENCH 10 X 12MM OPEN-ENDS
49	X1845049	SPINDLE LOCK ROD 7 X 120MM
50	X1845050	TABLE ADJUSTMENT LABEL
51	X1845051	ROTATION LABEL
52	X1845052	HANDWHEEL TYPE-11 160D X 16B-S
53	X1845053	PHLP HD SCR 10-24 X 3/8
54	X1845054	GEARBOX FLEXIBLE COVER
55	X1845055	FENCE
56	X1845056	HEX BOLT 1/4-20 X 1/4
57	X1845057	SANDING SLEEVE 1-1/2"
58	X1845058	SANDING SLEEVE 2"
59	X1845059	SANDING SLEEVE 3"

REF	PART #	DESCRIPTION
60	X1845060	RUBBER DRUM 1-1/2"
61	X1845061	RUBBER DRUM 2"
62	X1845062	RUBBER DRUM 3"
63	X1845063	ADJUSTMENT LABEL
64	X1845064	SANDING DRUM SPINDLE
65	X1845065	CONDUIT CONNECTOR 3/8"
66	X1845066	GREASE FITTING 1/8-27 30-DEG
67	X1845067	COVER FOR DUST PORT
68	X1845068	GUARD
69	X1845069	POWER CORD 12G 3W 72" 6-15P
70	X1845070	PLASTIC CONDUIT 3/8 X 18"
71	X1845071	PLASTIC CONDUIT 3/8 X 12"
72	X1845072	PLASTIC CONDUIT 3/8 X 24"
73	X1845073	CONDUIT CONNECTOR 3/8"
74	X1845074	MOTOR POWER CORD 12G 3W 54"
75	X1845075	E-STOP POWER CORD 16G 2W 36"
76	X1845076	MAG SWITCH MP-09 240V 60HZ 3HP
76-1	X1845076-1	CONTACTOR SDE MA-09 220-240V
76-2	X1845076-2	OL RELAY SDE RA-20 12-18A
76-3	X1845076-3	MAG SWITCH FRONT COVER
76-4	X1845076-4	MAG SWITCH REAR COVER
77	X1845077	SANDING BELT 6" X 108"
78	X1845078	GRAPHITE PAD 6-3/4" X 40-1/2"
79	X1845079	BACKSTOP
80	X1845080	ECCENTRIC GEAR
81	X1845081	FLAT WASHER 1/4
82	X1845082	STUD-FT M14-2 X 95
83	X1845083	TIE ROD
84	X1845084	HEX NUT M14-2
85	X1845085	THREADED BUSHING 3/8-16
86	X1845086	FLAT WASHER 3/8
87	X1845087	ADJUSTABLE HANDLE 80L, 3/8-16 X 2
88	X1845088	ANGLE GAUGE LABEL
89	X1845089	MITER GAUGE SPACER
90	X1845090	FLAT HD SCR 1/4-20 X 3/4
91	X1845091	SCALE PLATE
92	X1845092	LOCK NUT 5/16-18
93	X1845093	CARRIAGE BOLT 5/16-18 X 1-1/4
94	X1845094	ACORN NUT 3/8-16
95	X1845095	BALL BEARING 6001ZZ
97	X1845097	ECCENTRIC BOLT
98	X1845098	HINGE PIN 8 X 45MM
99	X1845099	TABLE
100	X1845100	CAP SCREW 5/16-18 X 3/4
101	X1845101	HEX BOLT 5/16-18 X 1
102	X1845102	SPINDLE
103	X1845103	RACK GEAR
104	X1845104	ADJUSTABLE HANDLE 40L, 1/4-20 X 1/2
105	X1845105	INSERT 5 X 3MM, COPPER
106	X1845106	FEMALE KNOB 3/8-16
107	X1845107	HANDLE BAR

Parts List

REF	PART #	DESCRIPTION	REF	PART #	DESCRIPTION
108	X1845108	LOCK COLLAR	153	X1845153	SWITCH COVER
109	X1845109	CAP SCREW 1/4-20 X 1/2	154	X1845154	PHLP HD SCR 10-24 X 3/4
110	X1845110	SPINDLE SPACER	155	X1845155	E-STOP SWITCH
111	X1845111	BALL BEARING 38 X 42 X 20T	156	X1845156	STAR KNOB 5/16-18 X 3/4
112	X1845112	BUSHING	157	X1845157	PLATEN COVER
113	X1845113	PINION ROD	157-1	X1845157-1	DRIVER ROLLER COVER
114	X1845114	BUSHING, COPPER	158	X1845158	CAP SCREW 1/4-20 X 1/2
115	X1845115	PINION SPINDLE	159	X1845159	THRUST BEARING 51101
116	X1845116	SPACER	160	X1845160	PHLP HD SCR 1/4-20 X 1/4
117	X1845117	PINION GEAR	161	X1845161	CAP SCREW 3/8-16 X 3/4
118	X1845118	BUSHING, COPPER	162	X1845162	CAST-IRON TABLE U-TYPE
119	X1845119	CAP SCREW 5/16-18 X 3/4	163	X1845163	CAP SCREW M4-.7 X 10
120	X1845120	RACK & PINION BOX	164	X1845164	KEY 8 X 8 X 315 W/SCREW HOLES
121	X1845121	ADJUSTING PLATE	165	X1845165	TABLE SPINDLE
122	X1845122	PHLP HD SCR 1/4-20 X 5/8	166	X1845166	ADJUSTABLE HANDLE 80L, 3/8-16 X 1
123	X1845123	GEARBOX COVER HANDLE	167	X1845167	IDLER ROLLER
124	X1845124	GEARBOX COVER	168	X1845168	BALL BEARING 6205Z
125	X1845125	GEARBOX DRAIN PLUG NPT 1/8 X 3/8	169	X1845169	HEX BOLT 5/16-18 X 1/2
126	X1845126	HEX NUT M8-1.25	170	X1845170	FLAT WASHER 5/16
127	X1845127	CAP SCREW M8-1.25 X 75	171	X1845171	IDLER ROLLER SPINDLE
128	X1845128	KEY 7 X 7 X 16	172	X1845172	IDLER ROLLER BRACKET
129	X1845129	WORM SHAFT	173	X1845173	HEX BOLT 5/16-18 X 1
130	X1845130	OIL SEAL W/HOLE	174	X1845174	SHAFT
131	X1845131	DRIVE SHAFT	175	X1845175	CAP SCREW 1/4-20 X 1-1/4
132	X1845132	OIL SEAL W/O HOLE	176	X1845176	HEX NUT 5/8-11
133	X1845133	INT RETAINING RING 35MM	177	X1845177	FLAT WASHER 5/8
134	X1845134	BALL BEARING 6202Z	178	X1845178	COMPRESSION SPRING
135	X1845135	ALUMINUM RING	179	X1845179	LOCK NUT 1/4-20
136	X1845136	WORM GEAR	180	X1845180	CAP SCREW 1/4-20 X 3/4
137	X1845137	GEARBOX	181	X1845181	SPINDLE
138	X1845138	SET SCREW 5/16-18 X 1/2	182	X1845182	SPINDLE BRACKET
139	X1845139	SPINDLE CONNECTOR	183	X1845183	FEMALE KNOB 1/2-13
140	X1845140	HEX BOLT 5/16-18 X 1/2	184	X1845184	HANDLE BAR
141	X1845141	GEARBOX FIXING PLATE	185	X1845185	HEX NUT 1/2-12
142	X1845142	HEX BOLT 3/8-16 X 1	186	X1845186	CAP SCREW 5/16-18 X 1/2
143	X1845143	HEX NUT 5/8-11	187	X1845187	FLAT WASHER 5/16
144	X1845144	LOCK WASHER 5/8	188	X1845188	TENSIONING LINK ARM
145	X1845145	DUST PORT 4"	189	X1845189	PLATEN
146	X1845146	DRIVE ROLLER	190	X1845190	LOCK WASHER 5/16
147	X1845147	MOTOR 3HP 220V 1PH	191	X1845191	HEX BOLT 5/16-18 X 1/2
147-1	X1845147-1	FAN COVER	192	X1845192	LOCK NUT 3/4-10
147-2	X1845147-2	FAN	193	X1845193	HEX BOLT 3/4-10 X 2-1/4
147-3	X1845147-3	S CAPACITOR 400UF 125V 1-3/4 X 3-7/8	194	X1845194	SWIVEL BRACKET
147-4	X1845147-4	CAPACITOR COVER	195	X1845195	HEX NUT 3/8-16
147-5	X1845147-5	JUNCTION BOX	196	X1845196	HEX BOLT 3/8-16 X 3/4
147-6	X1845147-6	R CAPACITOR 60UF 250V 1-3/8 x 3-3/8	197	X1845197	GEARBOX
148	X1845148	CAP SCREW 1/4-20 X 1-3/4	198	X1845198	BASE
149	X1845149	MOTOR BRACKET	199	X1845199	STRAIN RELIEF TYPE-3 M16-1.5
150	X1845150	LOCK NUT M12-1.75	200	X1845200	HEX NUT 5/16-18
151	X1845151	HEX BOLT M12-1.75 X 75	201	X1845201	FOLDING HANDLE M6-1, 23 X 87
152	X1845152	HEX NUT 10-24	201-1	X1845201-1	FLAT HD SCR M6-1 X 8

Labels & Cosmetics



SHOP FOX W1845 6" X 108" OSCILLATING EDGE SANDER 3HP

Specifications

Motor: 3HP, 240V, 149L, 11A, 1725 RPM
 Belt Size: 4" x 108"
 Belt Speed: 3155 FPM
 Spindle Diameter: 1-1/2", 1", 3/4"
 Spindle Length: 6-1/2"
 Oscillation Stroke: 1/4"
 Sanding Table Travel: 4"
 Dust Port: 4" ID
 Sanding Belt Pattern: 1/4" x 60"
 Weight: 485 lbs.

WARNING!

To reduce the risk of serious injury while using this machine:

1. Read and understand owner's manual before operating.
2. Always wear approved eye protection and respirator.
3. Support workpiece with backstop or worktable.
4. Maintain 1/2" minimum clearance between backstop and sandpaper.
5. Always sand in accordance with directional arrows on machine.
6. Make sure sander is properly assembled, adjusted, and stable before operating. Only operate with all guards in place.
7. Never sand pointed stock with leading edge pointing into sanding station, and never force workpiece into sanding surface.
8. Turn motor OFF and disconnect power before changing sandpaper, making adjustments, servicing, or removing jammed stock.
9. Do not wear loose clothing, gloves, jewelry, or other articles that can get entangled. The back hair and nail up always.
10. Do not operate by rule or use in damp locations.
11. Prevent unauthorized use by children or untrained users.

REF PART #	DESCRIPTION
301	X1845301 EYE/LUNG WARNING LABEL
302	X1845302 READ MANUAL LABEL
303	X1845303 SHOP FOX LOGO PLATE 3-1/4 X 8-1/8
304	X1845304 MODEL NUMBER LABEL
305	X1845305 MACHINE ID LABEL

REF PART #	DESCRIPTION
306	X1845306 DISCONNECT POWER LABEL
307	X1845307 ELECTRICITY WARNING LABEL
308	X1845308 TOUCH-UP PAINT, SHOP FOX BLACK
309	X1845309 TOUCH-UP PAINT, SHOP FOX WHITE

⚠️ WARNING

Safety labels warn about machine hazards and how to prevent serious personal injury. The owner of this machine **MUST** maintain the original location and readability of all labels on this machine. If any label is removed or becomes unreadable, **REPLACE** that label before allowing machine to be operated again. Contact us at (360) 734-3482 or www.woodstockint.com to order new labels.



Warranty Registration

Name _____
 Street _____
 City _____ State _____ Zip _____
 Phone # _____ Email _____ Invoice # _____
 Model # _____ Serial # _____ Dealer Name _____ Purchase Date _____

The following information is given on a voluntary basis. It will be used for marketing purposes to help us develop better products and services. Of course, all information is strictly confidential.

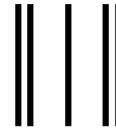
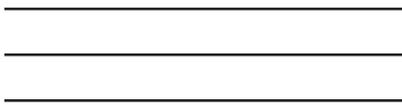
- How did you learn about us?
 Advertisement Friend Local Store
 Mail Order Catalog Website Other:
- How long have you been a woodworker/metalworker?
 0-2 Years 2-8 Years 8-20 Years 20+ Years
- How many of your machines or tools are Shop Fox?
 0-2 3-5 6-9 10+
- Do you think your machine represents a good value? Yes No
- Would you recommend Shop Fox products to a friend? Yes No
- What is your age group?
 20-29 30-39 40-49
 50-59 60-69 70+
- What is your annual household income?
 \$20,000-\$29,000 \$30,000-\$39,000 \$40,000-\$49,000
 \$50,000-\$59,000 \$60,000-\$69,000 \$70,000+
- Which of the following magazines do you subscribe to?

<input type="checkbox"/> Cabinet Maker	<input type="checkbox"/> Popular Mechanics	<input type="checkbox"/> Today's Homeowner
<input type="checkbox"/> Family Handyman	<input type="checkbox"/> Popular Science	<input type="checkbox"/> Wood
<input type="checkbox"/> Hand Loader	<input type="checkbox"/> Popular Woodworking	<input type="checkbox"/> Wooden Boat
<input type="checkbox"/> Handy	<input type="checkbox"/> Practical Homeowner	<input type="checkbox"/> Woodshop News
<input type="checkbox"/> Home Shop Machinist	<input type="checkbox"/> Precision Shooter	<input type="checkbox"/> Woodsmith
<input type="checkbox"/> Journal of Light Cont.	<input type="checkbox"/> Projects in Metal	<input type="checkbox"/> Woodwork
<input type="checkbox"/> Live Steam	<input type="checkbox"/> RC Modeler	<input type="checkbox"/> Woodworker West
<input type="checkbox"/> Model Airplane News	<input type="checkbox"/> Rifle	<input type="checkbox"/> Woodworker's Journal
<input type="checkbox"/> Modeltec	<input type="checkbox"/> Shop Notes	<input type="checkbox"/> Other:
<input type="checkbox"/> Old House Journal	<input type="checkbox"/> Shotgun News	

9. Comments: _____

CUT ALONG DOTTED LINE

FOLD ALONG DOTTED LINE



Place
Stamp
Here



WOODSTOCK INTERNATIONAL INC.
P.O. BOX 2309
BELLINGHAM, WA 98227-2309



FOLD ALONG DOTTED LINE

TAPE ALONG EDGES--PLEASE DO NOT STAPLE

WARRANTY

Woodstock International, Inc. warrants all Shop Fox machinery to be free of defects from workmanship and materials for a period of two years from the date of original purchase by the original owner. This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence or accidents, lack of maintenance, or reimbursement of third party expenses incurred.

Woodstock International, Inc. will repair, replace, or arrange for a dealer refund, at its expense and option, the Shop Fox machine or machine part proven to be defective for its designed and intended use, provided that the original owner returns the product prepaid to an authorized warranty or repair facility as designated by our Bellingham, Washington office with proof of their purchase of the product within two years, and provides Woodstock International, Inc. reasonable opportunity to verify the alleged defect through inspection. If it is determined there is no defect, or that the defect resulted from causes not within the scope of Woodstock International Inc.'s warranty, then the original owner must bear the cost of storing and returning the product.

This is Woodstock International, Inc.'s sole written warranty and any and all warranties that may be implied by law, including any merchantability or fitness, for any particular purpose, are hereby limited to the duration of this written warranty. We do not warrant that Shop Fox machinery complies with the provisions of any law, acts or electrical codes. We do not reimburse for third party repairs. In no event shall Woodstock International, Inc.'s liability under this limited warranty exceed the purchase price paid for the product, and any legal actions brought against Woodstock International, Inc. shall be tried in the State of Washington, County of Whatcom. We 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.

Every effort has been made to ensure that all Shop Fox machinery meets high quality and durability standards. We are committed to continuously improving the quality of our products, and reserve the right to change specifications at any time.



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Junglee[®]

PLANER PAL[®]



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