WOODSTOCK INTERNATIONAL

SHOP FOX®

MODEL W1712
12" DISC & 6" BELT SANDER

OWNER'S MANUAL

(FOR MODELS MANUFACTURED SINCE 3/12)

Phone: (360) 734-3482 • Online Technical Support: techsupport@woodstockint.com

C US
175381

#5336 Printed in Taiwan

⚠ 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.

Contents

USE THE QUICK GUIDE PAGE LABELS TO SEARCH OUT INFORMATION FAST!

INTRODUCTION

Contact Info

We are committed to customer satisfaction. If you have any questions or need help, use the information below to contact us.

IMPORTANT: Before contacting, please get the original purchase receipt, serial number, and manufacture date of your machine. This information is required for all Technical Support calls and it will help us help you faster.

Woodstock International Technical Support
Phone: (360) 734-3482
Email: techsupport@woodstockint.com

We want your feedback on this manual. What did you like about it? Where could it be improved? Please take a few minutes to give us feedback.

Technical Documentation Manager
P.O. Box 2309
Bellingham, WA 98227
Email: manuals@woodstockint.com

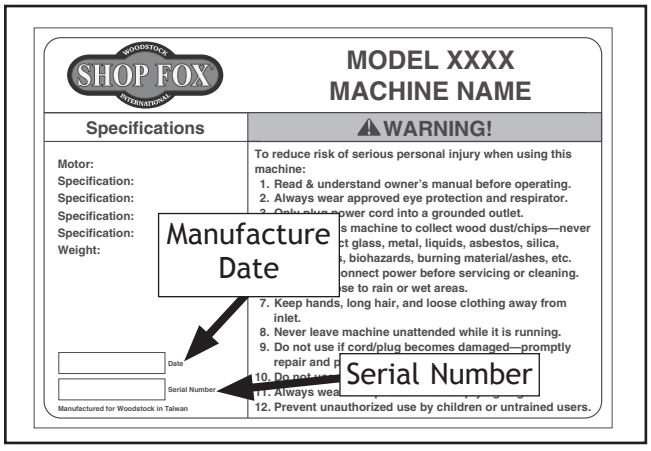
Manual Accuracy

We are proud to provide a high-quality owner's manual with your new machine!

We made every effort to be exact with the instructions, specifications, drawings, and photographs contained inside. Sometimes we make mistakes, but our policy of continuous improvement also means that **sometimes the machine you receive will be slightly different than what is shown in the manual**.

If you find this to be the case, and the difference between the manual and machine leaves you confused about a procedure, check our website for an updated version. We post current manuals and manual updates for free on our website at **www.woodstockint.com**.

Alternatively, you can call our Technical Support for help. Before calling, make sure you write down the **Manufacture Date** and **Serial Number** from the machine ID label (see below). Also, if available, have a copy of your **original purchase receipt** on hand. This information is required for all Tech Support calls.



MACHINE SPECIFICATIONS

MODEL W1712
1-1/2 HP 6" BELT / 12" DISK COMBINATION SANDER

Product Dimensions

Weight	145 lbs.
Width (side-to-side) x Depth (front-to-back) x Height	32-1/2 x 16-1/2 x 29-1/2 in.
Footprint (Length x Width)	17 x 14 in.

Shipping Dimensions

Type	Cardboard Box
Content	Machine
Weight	179 lbs.
Length x Width x Height	32 x 30 x 21 in.

Electrical

Power Requirement	110V, Single-Phase, 60 Hz
Prewired Voltage	110V
Full-Load Current Rating	10.5A
Minimum Circuit Size	15A
Connection Type	Cord & Plug
Power Cord Included	Yes
Power Cord Length	5 ft.
Power Cord Gauge	14 AWG
Plug Included	Yes
Included Plug Type	5-15
Switch Type	Toggle Safety Switch w/Removable Key

Motors

Main

Type	TEFC Capacitor-Start Induction
Horsepower	1.5 HP
Phase	Single-Phase
Amps	10.5A
Speed	1725 RPM
Power Transfer	Direct Drive
Bearings	Shielded & Permanently Lubricated

Main Specifications

Belt Sander Info

Sanding Belt Width	6 in.
Sanding Belt Length	48 in.
Sanding Belt Speed	1066 FPM
Sanding Belt Tilt	90 deg.
Table Length	12-3/8 in.
Table Width	7 in.
Table Thickness	1 in.
Table Tilt	Left 0, Right 45 deg.
Max Height of Belt in Vertical Position	29-1/2 in.
Belt Tension Release Type	Quick Release
Platen Type	Cast Iron
Platen Length	14-1/2 in.
Platen Width	6 in.

Disc Sander Info

Disc Diameter	12 in.
Disc Speed	1725 RPM
Disc Sandpaper Backing Type	PSA
Table Length	17-5/8 in.
Table Width	10 in.
Table Thickness	1 in.
Table Tilt	Left 0, Right 45 deg.

Construction Materials

Base	Sheet Metal
Table	Ground Cast Iron
Frame	Sheet Metal
Disc	Computer Balanced Cast Aluminum
Miter Gauge	Die Cast Aluminum/Aluminum Bar
Paint Type/Finish	Powder Coated

Other Related Info

Miter Gauge Slot Width	3/4 in.
Miter Gauge Slot Height	3/8 in.
Number of Dust Ports	2
Dust Port Size	2, 2-1/2 in.

Other

Country of Origin	Taiwan
Warranty	2 Years
Approximate Assembly & Setup Time	45 Minutes
Serial Number Location	ID Label on Motor
ISO 9001 Factory	Yes
Certified by a Nationally Recognized Testing Laboratory (NRTL)	Yes

Features

Two Precision-Ground Cast-Iron Tables
Quick Change Belt Release
Direct Ball Bearing Drive
Tables Tilt 0-45 Degrees
Heavy-Duty Miter Gauge

Identification

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

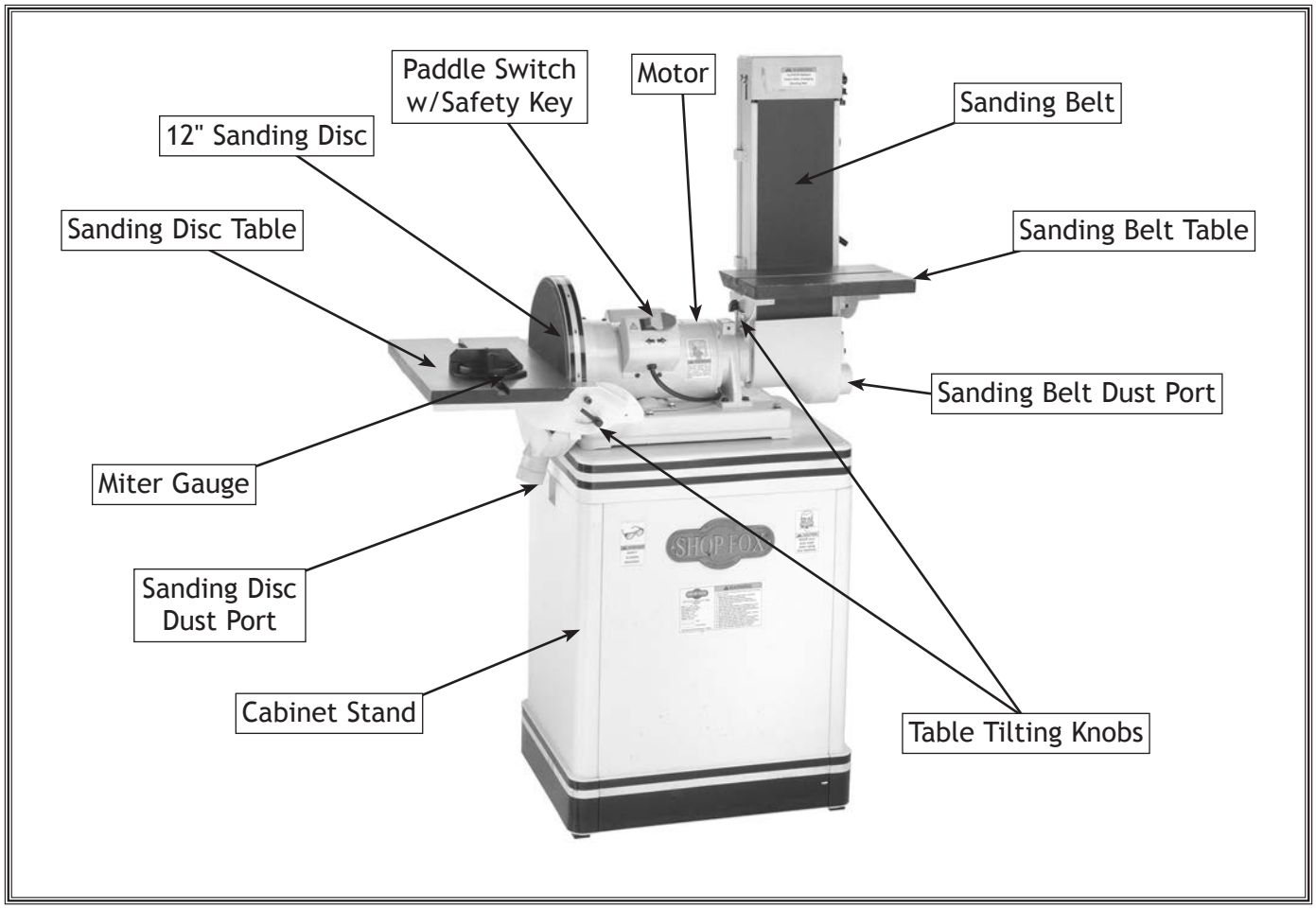
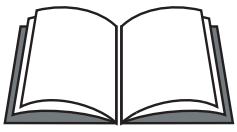


Figure 1. Machine features.

⚠WARNING



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

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!

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

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

⚠CAUTION **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 Combination 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.

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.

HAND PLACEMENT. Rotating sandpaper can remove a large amount of flesh quickly. Always keep hands away from sandpaper during operation. Never touch moving sandpaper on purpose. Use a brush to clean table of sawdust and chips.

FEEDING WORKPIECE. Forcefully 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. Becoming entangled in moving parts can cause pinching and crushing injuries. To avoid these hazards, keep all guards in place and closed. DO NOT wear loose clothing, gloves, or jewelry, and tie back long hair.

WORKPIECE SUPPORT. Workpiece 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.

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 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.

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

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 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.

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 110V .....10.5 Amps

Circuit Requirements for 110V

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

Circuit Type ..... 110V/120V, 60 Hz, Single-Phase
Circuit Size ..... 15 Amps
Plug/Receptacle ..... NEMA 5-15

⚠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.

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.

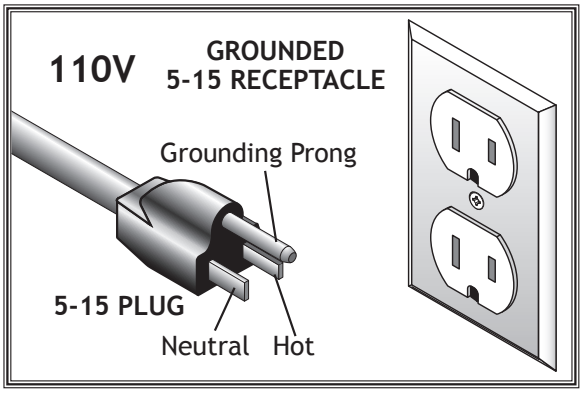
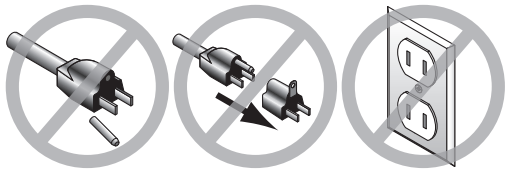


Figure 2. NEMA 5-15 plug & receptacle.

For 110V Connection

This machine is equipped with a power cord with an equipment-grounding wire and NEMA 5-15 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.

⚠CAUTION



DO NOT modify the provided plug or use an adapter if the plug will not fit the receptacle. Instead, have an electrician install the proper receptacle on a power supply circuit that meets the requirements for this machine.

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 110V ..... 14 AWG
Maximum Length (Shorter is Better) ..... 50 ft.

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.

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.*

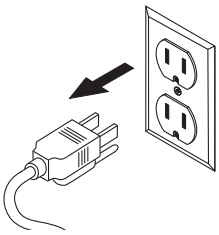
A. Sander Unit 1
B. Cabinet Stand 1
- Side Panel L/R 2
- Front/Rear Panel 2

C. Table Hardware Bag.....1
- —Cap Screw 5/16"-18 x 3/4" 2
- —Lock Nut 5/16"-18.....2
- —Flat Washer 1/4".....2
- —Knob Bolt M6-1 x 15 2

D. 12" Disc Sanding Table 1
E. Belt Sanding Table.....1
F. Main Hardware Bag..... 1
- Cabinet Stand Hardware Bag.....1
  - —Hex Bolt 5/16"-18 x 3/8" 8
  - —Hex Bolt 5/16"-18 x 1".....2
  - —Hex Nut 5/16".....8
  - —Flat Washer 5/16" 18
  - —Lock Washer 5/16" 10
  - —6MM Allen Wrench 1
- Floor Pad Bag 1
  - —Floor Pads.....4
  - —Phillips Head Screw 3/16"-18 x 5/8".....4
  - —Flat Washer 5/16" 4
  - —Hex Nut 5/16".....4
  - —Flat Washers 6mm 6
- Accessories Bag.....1
  - —Belt Tension Lever 1
  - —Screwdriver.....1
  - —Knob Bolt M8-1.25 x 20 1
  - —Stop Fence.....1

G. Miter Gauge Assembly 1

⚠WARNING



Keep machine disconnected from power until instructed otherwise.

⚠WARNING

USE helpers or power lifting equipment to lift this machine. Otherwise, serious personal injury may occur.

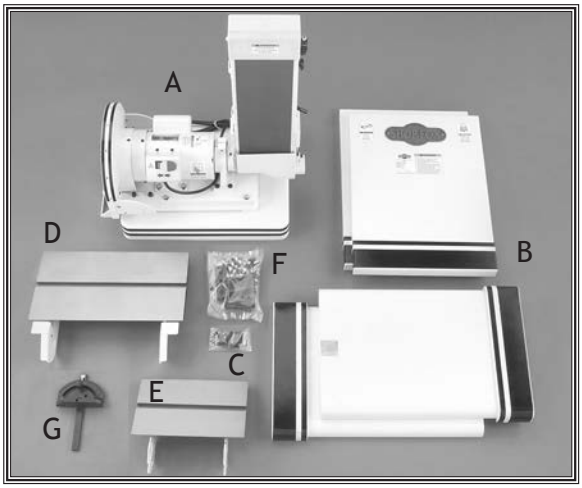
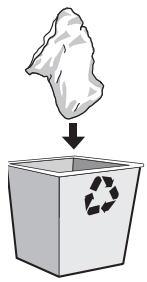


Figure 3. Inventory.



⚠WARNING

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

SETUP

Shop Preparation

⚠CAUTION

ONLY ALLOW TRAINED PEOPLE in your shop! Make sure shop entrances are locked and machines are correctly turned off with lock-out devices when not in use. Otherwise, injury or death can occur.

- **Lighting:** Lighting should be bright enough to eliminate shadows and prevent eye strain.
- **Working Clearances:** Consider your current and future shop needs with respect to the safe operation of this machine.
- **Outlets:** Make sure the electrical circuits have the capacity to handle the amperage requirements for your Model W1712. Refer to **Page 9** for more information. Electrical outlets should be located near the sander, so power or extension cords are clear of high-traffic areas.

Dust Collection

⚠CAUTION

Some wood dust may cause allergic reactions or respiratory illness. Use a dust collection system and respirator in your shop to help protect yourself from these long-term hazards.

For information on the correct dust collection components for sanders, contact your Woodstock International dealer for a copy of the Dust Collection Basics handbook and available accessories.

Initial Cleaning

The exposed and unpainted sander surfaces are coated with a waxy oil to prevent rust during storage and shipment. DO NOT use chlorine based solutions or solvents to remove this waxy oil or you will damage the painted surfaces. Remove the waxy oil with a solvent based degreaser before you use the sander. Always follow all usage and safety instructions of the product that you are using.

⚠WARNING

DO NOT use flammables such as gas or other petroleum-based solvents to clean your machine. These products have low flash points and present the risk of explosion and severe personal injury!

⚠WARNING

DO NOT smoke while using cleaning solvents. Smoking may cause explosion or risk of fire when exposed to these products!

⚠CAUTION

ALWAYS work in well-ventilated areas far from possible ignition sources when using solvents to clean machinery. Many solvents are toxic when inhaled or ingested. Use care when disposing of waste rags and towels to be sure they DO NOT create fire or environmental hazards.

Cabinet Assembly

The Model W1712 mounts onto a heavy-duty formed sheet steel cabinet stand. Use the hardware in the cabinet hardware bag to complete this assembly.

To assemble the cabinet stand, do these steps:

1. Assemble the cabinet panels together as shown in **Figure 4** with the supplied 5/16"-18 x 3/4" hex bolts, 5/16" flat washers, 5/16" lock washers and 5/16" hex nuts.

2. Attach the remaining side panel.

3. Secure the rubber feet to the bottom corners of the cabinet stand with the floor pad hardware bag as shown in **Figure 5**.

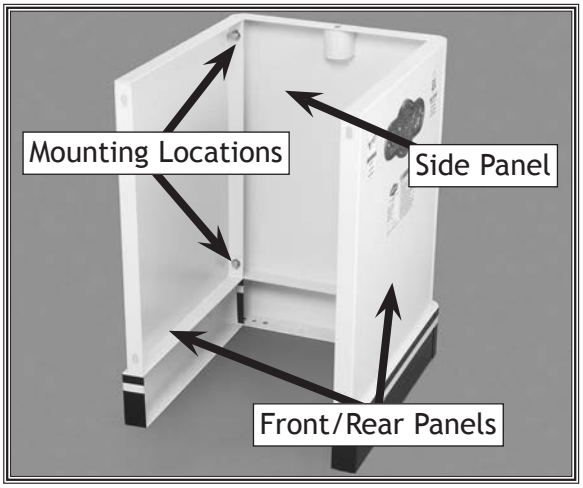


Figure 4. Cabinet assembly.

Figure 5. Rubber feet installed.

Mounting Sander

Mounting the sander to the stand will require the help of an assistant. Secure the sander to the stand using the cabinet stand hardware bag.

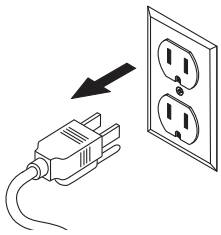
To mount the sander, do these steps:

1. **KEEP THE SANDER UNPLUGGED!**
2. Place the sander on the stand.
3. Align the holes in the cabinet with the pre-drilled and tapped mounting holes in the sander.
4. Secure the sander to the stand as shown in **Figure 6.**

⚠WARNING

USE helpers or power lifting equipment to lift this machine. Otherwise, serious personal injury may occur.

⚠WARNING



UNPLUG sander before you do any assembly! Otherwise, serious personal injury to you or others may occur!

Figure 6. Mounting the sander.

Installing Table

The sanding belt table comes assembled on the W1712, but the sanding disc table needs to be installed on the sander.

To install the sanding disc table, do these steps:

1. **KEEP THE SANDER UNPLUGGED!**

2. Align the sanding table mounting holes with the threaded holes in the bracket.

3. Secure the sanding table, as shown in **Figure 7**, with the cap screws supplied in the table hardware bag.

4. Install the table tilt control knobs (**Figure 8**).

Figure 7. Installing table.

Figure 8. Installed tilting knobs.

OPERATIONS

Test Run

The purpose of a test run is to identify any unusual noises and vibrations, as well as to confirm that the machine is performing as intended.

To test run the Model W1712, do these steps:

1. Make sure all guards are in place.

2. Make sure that the ON/OFF switch is in the "OFF" position before connecting the machine to power.

3. Pull the power switch up to start the sander. Once the sander is running, listen for any unusual noises. The machine should run smoothly with little or no vibrations.

   - If there are any unusual noises or vibrations, STOP the sander immediately by pushing the paddle switch down.

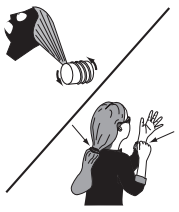
4. Unplug the sander and investigate the source of the noise or vibration. DO NOT make any adjustments to the sander while it is plugged in. The sander should not be run any further until the problems are corrected.

⚠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.



⚠WARNING

Tie back long hair, roll up long sleeves, and remove loose clothing, jewelry, or gloves to prevent getting caught in moving parts.

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!**

Power Switch

The power switch on the **SHOP FOX®** Model W1712 not only starts and stops the sander, but features a safety lockout key. When the key is removed, as shown in **Figure 9**, the sander is disabled to prevent accidental start up.

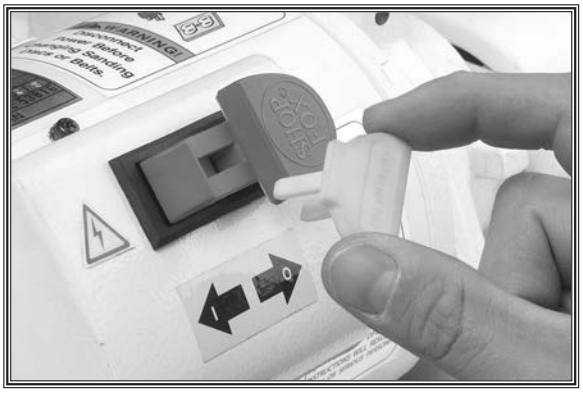


Figure 9. Safety lockout key removed.

Belt/Disc Selection

The **SHOP FOX®** Model W1712 accepts 6" x 48" sanding belts and 12" discs. There are a large variety of sanding belts and discs to choose from. We recommend Aluminum Oxide belts and discs for standard sanding purposes. **Figure 10** shows abrasive types and grit numbers.

As a general rule of thumb, progressively increase the grit number you use without jumping more than 50 grit sizes at one time.

Type	Grit
Coarse	60
Medium	80-100
Fine	120-180
Very Fine	220

Figure 10. Abrasive types and grits.

Miter Sanding

The most efficient way to get a perfect miter is to cut the workpiece slightly long and sand it to the desired dimension. Miter sanding can be done easily with the miter gauge:

To perform miter sanding operations:

1. Loosen the knob on the miter gauge and adjust the angle to the desired point. Tighten the knob.

2. Slide the miter gauge into its slot in the table to steady your workpiece at the correct angle. Note—*The miter gauge can be used in either direction in the slot to achieve the proper relation of the workpiece to the disc.*

3. Hold the workpiece and miter gauge firmly as shown in **Figure 11**.

Figure 11. Miter sanding operation.

Disc Sanding

To start disc sanding operations, do these steps:

1. **UNPLUG THE SANDER!**
2. Set the table tilt angle to the desired position by loosening the table lock knobs. **Figure 12** shows the table at 45°.
3. Plug the sander into the power supply.
4. Start the sander.
5. Hold the workpiece firmly in both hands as shown in **Figure 13** Note— *Always keep the workpiece on the side of the wheel that is rotating down toward the table. This will keep the workpiece from flying out of your hands from the rotational forces.*

Figure 12. Table tilt set at 45°.

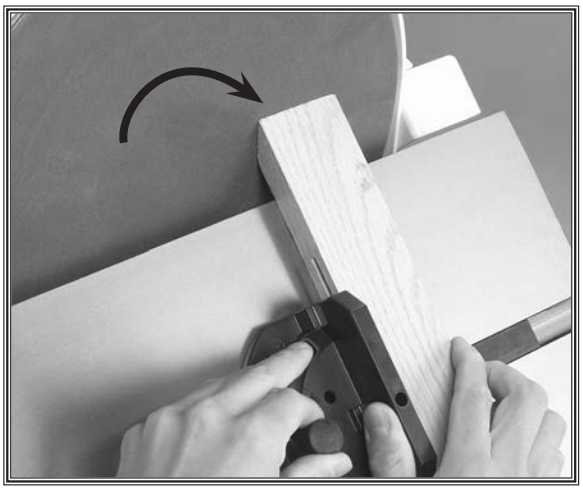


Figure 13. Disc sanding.

Flat Sanding

Flat sanding operations can be performed with the sanding belt in the vertical position or horizontal position.

To start flat sanding operations with the belt vertical, do these steps:

1. **UNPLUG THE SANDER!**
2. Make sure the sanding table is square to the belt.
3. Plug the sander into the power supply.
4. Start the sander.
5. Hold the workpiece firmly as shown in **Figure 14**.

Figure 14. Flat sanding operation.

To start flat sanding operations with the belt horizontal, do these steps:

1. **UNPLUG THE SANDER!**
2. Remove the belt sanding table.
3. Loosen the cap screw shown in **Figure 15** to allow the sanding belt to rotate.
4. Rotate the belt to the horizontal position then tighten the cap screw loosened in **step 3**.
5. Install the work-stop fence (shown in **Figure 16**) to prevent the workpiece from running off the end of the sander.
6. Start the sander.
7. Hold the workpiece firmly and in contact with the work-stop fence as shown in **Figure 17**.

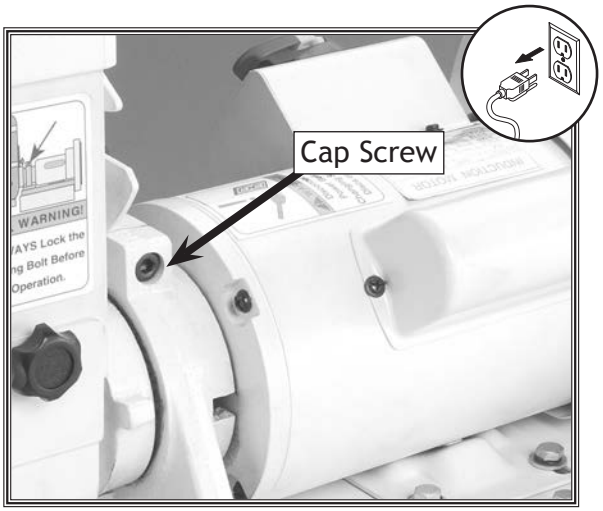


Figure 15. Cap screw location.

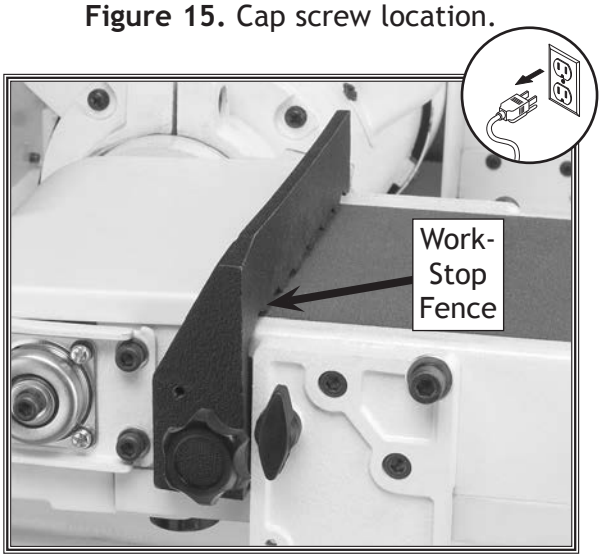


Figure 16. Flat sanding operation.

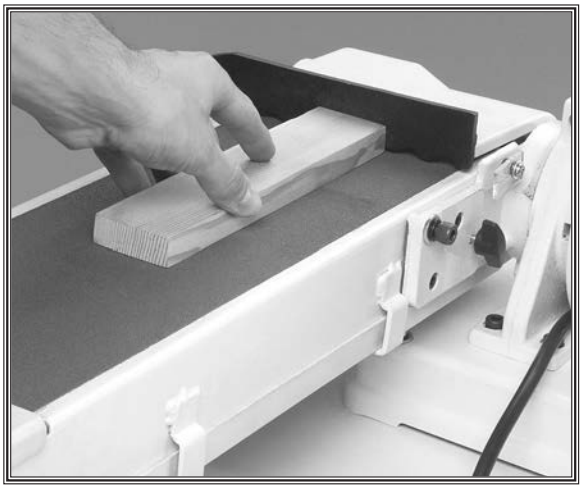
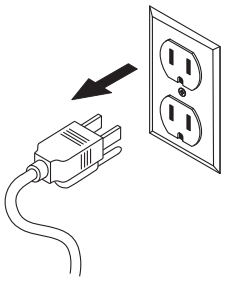


Figure 17. Flat sanding operation.

Changing Sanding Belt



⚠WARNING

ACCIDENTAL START-UP HAZARD! UNPLUG the power cord when making any adjustments on this machine! Otherwise, serious personal injury to you or others may occur!

To change the sanding belt, do these steps:

1. **UNPLUG THE SANDER!**
2. Remove all the cover lock knobs from the back of the belt guard and slide the belt guard up and off the sanding belt as shown in **Figure 18**.
3. Remove the table and mounting bracket from the belt sander (**Figure 19**).
4. Release the belt tension by moving the belt tension lever to the "unlock" position.
5. Roll the old sanding belt off the right side of the rollers.
6. Install a new belt with the arrows in the proper direction as shown in **Figure 20**.
7. Re-install the mounting bracket, table and belt guards.

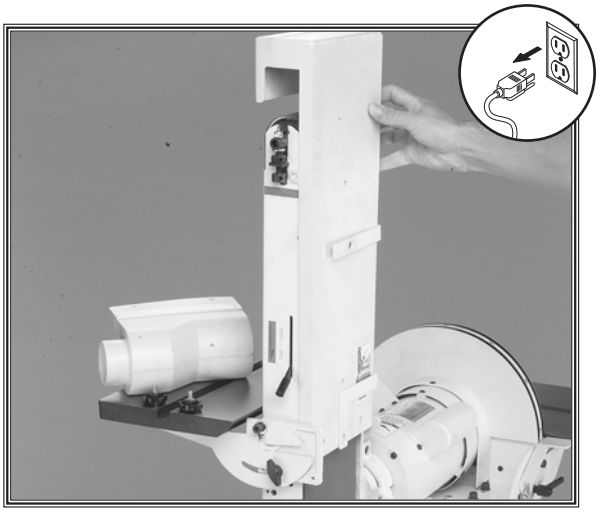


Figure 18. Removing belt guard.

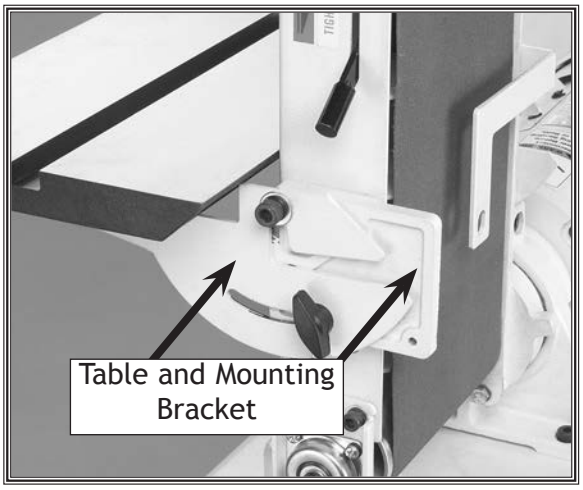


Figure 19. Table and mounting bracket.

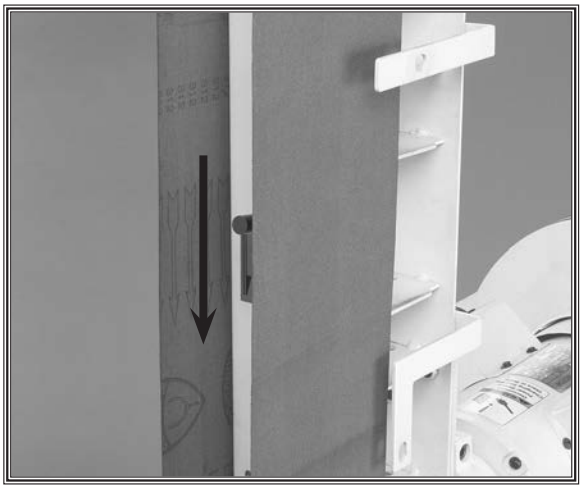


Figure 20. Installing a new sanding belt.

OPERATIONS

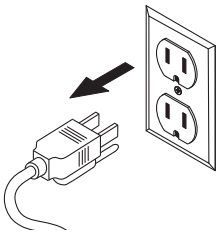
Changing Sanding Disc Paper

The 12" disc sander requires 12" sanding discs with adhesive backing that can be easily attached to the disc.

To install a new sanding disc on the 12" disc sanding surface:

1. **UNPLUG THE SANDER!**
2. Remove the disc sanding table.
3. Peel the old sanding paper off the sanding disc.
4. Place the new 12" sandpaper on the sanding disc as shown in **Figure 21**.
5. Replace the disc sanding table.

⚠WARNING



UNPLUG the power cord when making any adjustments during operation! Otherwise, serious personal injury to you or others may occur!

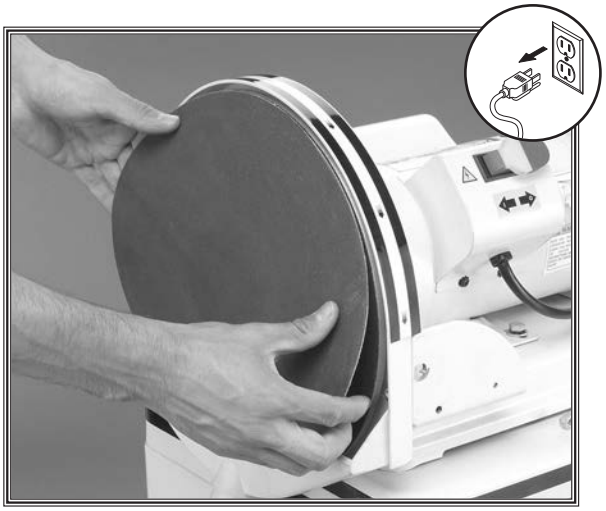


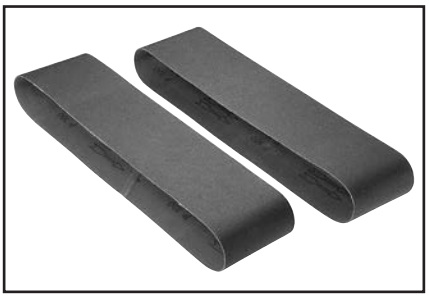
Figure 21. Sanding disc installation.

ACCESSORIES

Combination Sander Accessories

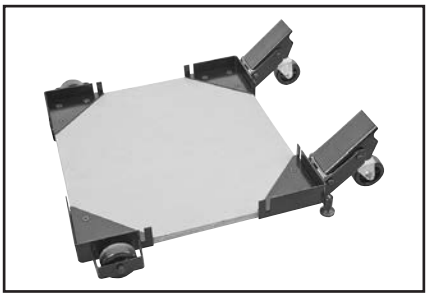
The following Combination Sander accessories may be available through your local Woodstock International Inc. Dealer. If you do not have a dealer in your area, these products are also available through online dealers. Please call or e-mail Woodstock International Inc. Customer Service to get a current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

Replacement 6" x 48" Aluminum Oxide Sanding Belts (2-Pk.)
D1256 60 Grit
D1257 80 Grit
D1258 100 Grit
D1259 120 Grit
D1260 150 Grit
D1261 180 Grit
D1262 220 Grit



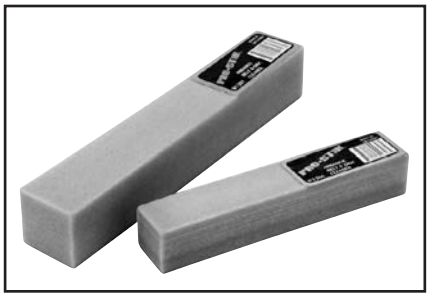
Replacement 12" Aluminum Oxide PSA Sanding Discs (2-Pk.)
D1335 60 Grit
D1336 80 Grit
D1337 100 Grit
D1338 120 Grit
D1339 150 Grit
D1340 180 Grit
D1341 220 Grit

D3757—Universal Mobile Base
Can be customized to fit any size machine base with your own cut-to-size plywood. Sturdy corner brackets attach with through-bolts for tremendous strength. Kick-stand casters provide easy mobility, and the adjustable feet provide stability during stationary machine use. Accepts 1/2"-1 1/2" thick plywood (not included). Includes two fixed caster brackets and two swivel caster brackets. 600 lb. max. capacity



PRO-STIK® Crepe-Rubber Belt Cleaners
Quickly remove gum and grit from belts, sleeves and discs without damage. Extend the life of your belts, sleeves or discs with this innovative natural cleaner.

W1306—1 1/2" x 1 1/2" x 8 1/2"
W1307—2" x 2" x 12"
W1304—1 3/8" x 1 3/8" x 4 1/4"
W1305—1 3/8" x 1 3/8" x 8 1/2"



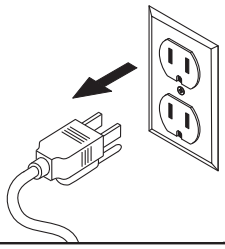
MAINTENANCE

General

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

- Loose mounting bolts.
- Worn switch.
- Worn or damaged cords and plugs.
- Any other condition that could hamper the safe operation of this machine.

⚠WARNING



MAKE SURE that your machine is unplugged during all maintenance procedures! If this warning is ignored, serious personal injury may occur.

Table & Base

Cleaning the Model W1712 is relatively easy. Vacuum excess wood chips and 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 tables by wiping them clean after every use—this ensures moisture from wood dust does not remain on bare metal surfaces. Keep your tables rust-free with regular applications of quality lubricants.

Sanding Surfaces

Regularly clean your sanding belt and disc as sawdust builds up in the grit. Clean the sanding belts and discs with PRO STICK® belt cleaners as shown in **Figure 22**. Cleaning built-up sawdust will prolong the life of your sanding belts and discs.

Figure 22. Cleaning the sanding belt with PRO STICK®.

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**.

Belt Tracking

The belt tracking must be adjusted correctly to make the belt ride parallel with the table.

To adjust the belt tracking, do these steps:

1. **UNPLUG THE SANDER!**

2. Make sure all guards are in place and the belt locking lever is in the locked position as shown in **Figure 23**.

3. Loosen the knurled adjustment nut away from the roller pin (**Figure 24**).

4. Check the current belt position and note if it needs to move left or right. **Figure 25** shows a properly tracked belt with 1/16" of the roller exposed on each side.

5. Adjust the tension bolt clockwise to make the belt ride to the left, and adjust counter-clockwise to make the belt ride to the right.

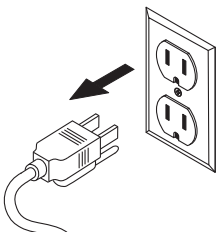
6. Plug in the sander.

7. Start the sander and observe the corrected belt tracking.

8. Stop the sander and repeat **steps 1-7** until the desired tracking has been met.

9. Finger tighten the adjustment nut against the roller pin when the belt is riding correctly.

WARNING



MAKE SURE that your machine is unplugged during all service procedures! If this warning is ignored, serious personal injury may occur.

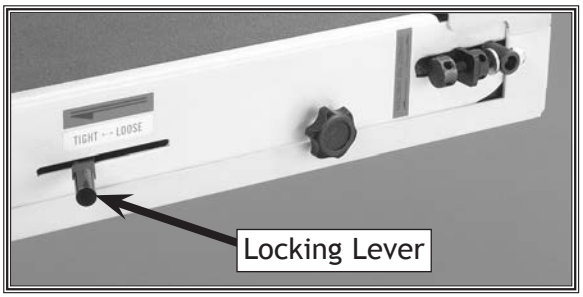


Figure 23. Belt locking lever.

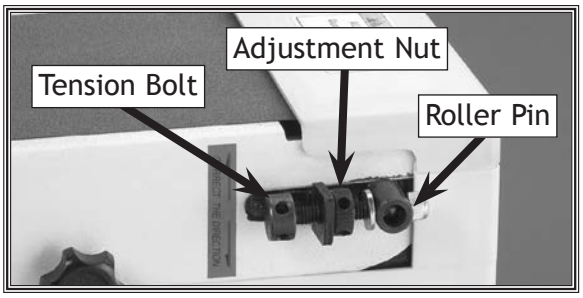


Figure 24. Tracking adjustment system.

Figure 25. Proper belt tracking (guard removed for clarity).

Table Angle Adjustment

The scale pointers on the sander indicate the tilt angle of the sanding tables. The pointers have been set at the factory but throughout the life of your machine, you may need to adjust them.

To adjust the scale pointers, do these steps:

1. **UNPLUG THE SANDER!**

2. Loosen the table tilting lock knob shown in **Figure 26** and rotate the table so it is perpendicular with the edge of the sanding disc.

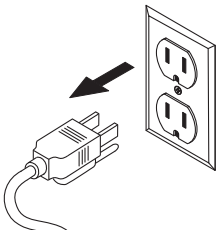
3. Place a machinist square on the disc sanding table and against the sanding disc to check for squareness (shown in **Figure 27**).

4. Lock the table tilt knob when the table is perpendicular to the disc.

5. Loosen the screw securing the pointer and adjust it so it indicates 90˚ (**Figure 27**).

6. Repeat **steps 1-5** to adjust the belt sanding table.

⚠WARNING



UNPLUG the power cord when making any adjustments during operation! Otherwise, serious personal injury to you or others may occur!

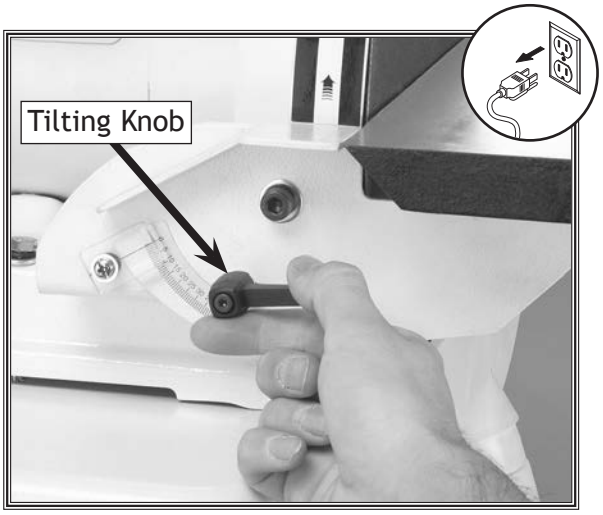


Figure 26. Table tilting knob.

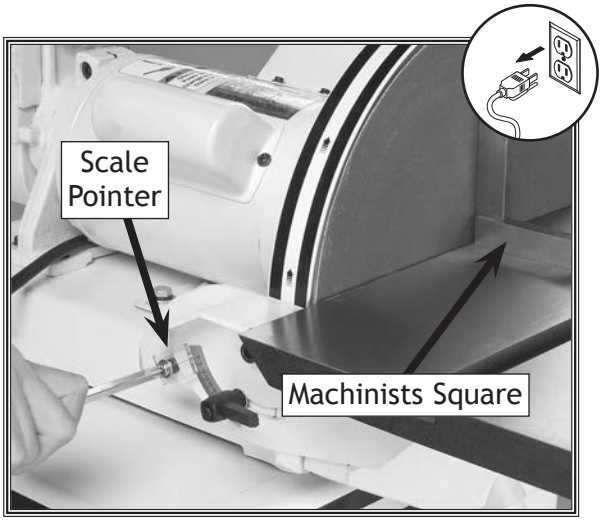


Figure 27. Setting the scale pointer.

SERVICE

Disc Table Alignment

The disc table clearance has been correctly set at the factory, but over the life of your machine adjustments may need to be made.

To adjust the disc table clearance, do these steps:

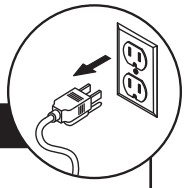
1. **UNPLUG THE SANDER!**
2. Make sure the disc table is set to 0°.
3. Loosen the four table adjustment bolts (**Figure 28**).
4. Measure the gap between the table edge and the face of the disc at the left and right end locations.
5. Adjust the clearance at each location to be approximately $^{1}/_{16}$".
6. Tighten the adjustment bolts when the proper clearance has been achieved.

Figure 28. Disc table adjustment bolts (only 2 of 4 shown).

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 & Electrical

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Machine does not start or a breaker trips.	1. Switch disabling key removed. 2. Power supply switched ***OFF*** or at fault. 3. Plug/receptacle at fault/wired wrong. 4. Motor connection wired wrong. 5. Wall circuit breaker tripped. 6. Wiring open/has high resistance. 7. Start capacitor at fault. 8. Motor at fault.	1. Install switch disabling key. 2. Ensure power supply is on/has correct voltage. 3. Test for good contacts; correct the wiring. 4. Correct motor wiring connections. 5. Ensure circuit size is correct/replace weak breaker. 6. Check/fix broken, disconnected, or corroded wires. 7. Test/replace if faulty. 8. Test/repair/replace.
Machine stalls or is underpowered.	1. Feed rate too aggressive. 2. Machine undersized for task. 3. Workpiece material not suitable for machine. 4. Motor wired incorrectly. 5. Plug/receptacle at fault. 6. Motor bearings at fault. 7. Motor overheated. 8. Motor at fault.	1. Decrease feed rate. 2. Clean/replace sandpaper; reduce feed rate/sanding depth. 3. Only sand wood, ensure moisture is below 20%. 4. Wire motor correctly. 5. Test for good contacts/correct wiring. 6. Test/repair/replace. 7. Clean motor, let cool, and reduce workload. 8. Test/repair/replace.
Machine has vibration or noisy operation.	1. Motor or component loose. 2. Motor fan rubbing on fan cover. 3. Motor mount loose/broken. 4. Sanding disc out of balance or loose. 5. Broken/defective sanding belt. 6. Tables are loose. 7. Motor bearings at fault. 8. Sanding belt roller bearings at fault.	1. Inspect/replace damaged bolts/nuts, and re-tighten with thread locking fluid. 2. Fix/replace fan cover; replace loose/damaged fan. 3. Tighten/replace. 4. Tighten disc hub or replace disc. 5. Replace sanding belt (see **Page 20**). 6. Tighten table locks. 7. Test by rotating shaft; rotational grinding/loose shaft requires bearing replacement. 8. Replace bearings.

Motor & Electrical

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Sanded surface not square.	1. Work table not perpendicular to belt or disc. 2. Miter gauge not square to disc.	1. Adjust work table square to sanding belt and disc (see **Page 25**). 2. Adjust face of the miter gauge square to disc or belt.
Deep sanding grooves or scars in workpiece.	1. Sandpaper too coarse for the desired finish. 2. Workpiece sanded across the grain. 3. Too much sanding force on workpiece. 4. Workpiece held still against the belt/disc. 5. Sandpaper clogged.	1. Use a finer grit sanding belt/disc. 2. Sand with the grain. 3. Reduce pressure on workpiece while sanding. 4. Keep workpiece moving while sanding on the belt/disc. 5. Clean/replace sandpaper.
Grains rub off the belt or disc easily.	1. Sanding belt/disc has been stored in an incorrect environment. 2. Sanding belt/disc has been folded or smashed.	1. Store sanding belt/disc away from extremely dry or hot temperatures. 2. Store sanding belt/disc flat, not folded or bent.
Sanding surfaces clog quickly or burn.	1. Too much pressure against belt/disc. 2. Sanding softwood, or stock has surface residue.	1. Reduce pressure on workpiece while sanding. 2. Use different stock. Or, accept the characteristics of the stock and plan on cleaning or replacing belts or discs frequently.
Burn marks on workpiece.	1. Using too fine of sanding grit. 2. Using too much pressure. 3. Work held still for too long.	1. Use a coarser grit sanding belt/disc. 2. Reduce pressure on workpiece while sanding. 3. Do not keep workpiece in one place for too long.
Glazed sanding surfaces.	1. Sanding wet stock. 2. Sanding stock with high residue.	1. Dry stock properly before sanding. 2. Use different stock. Or, accept the characteristics of the stock and plan on cleaning/replacing belts/discs frequently.
Workpiece frequently gets pulled out of your hand.	1. Not properly supporting the workpiece. 2. Starting the workpiece on a leading corner.	1. Hold the workpiece firmly against the miter gauge and table. 2. Start workpiece on a trailing corner.
Belt slips on rollers.	1. Back of belt or belt rollers are glazed or have oily substance. 2. Quick-release tension spring at fault.	1. Replace sanding belt; clean belt rollers with mineral spirits and let dry. 2. Replace tension spring assembly.

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

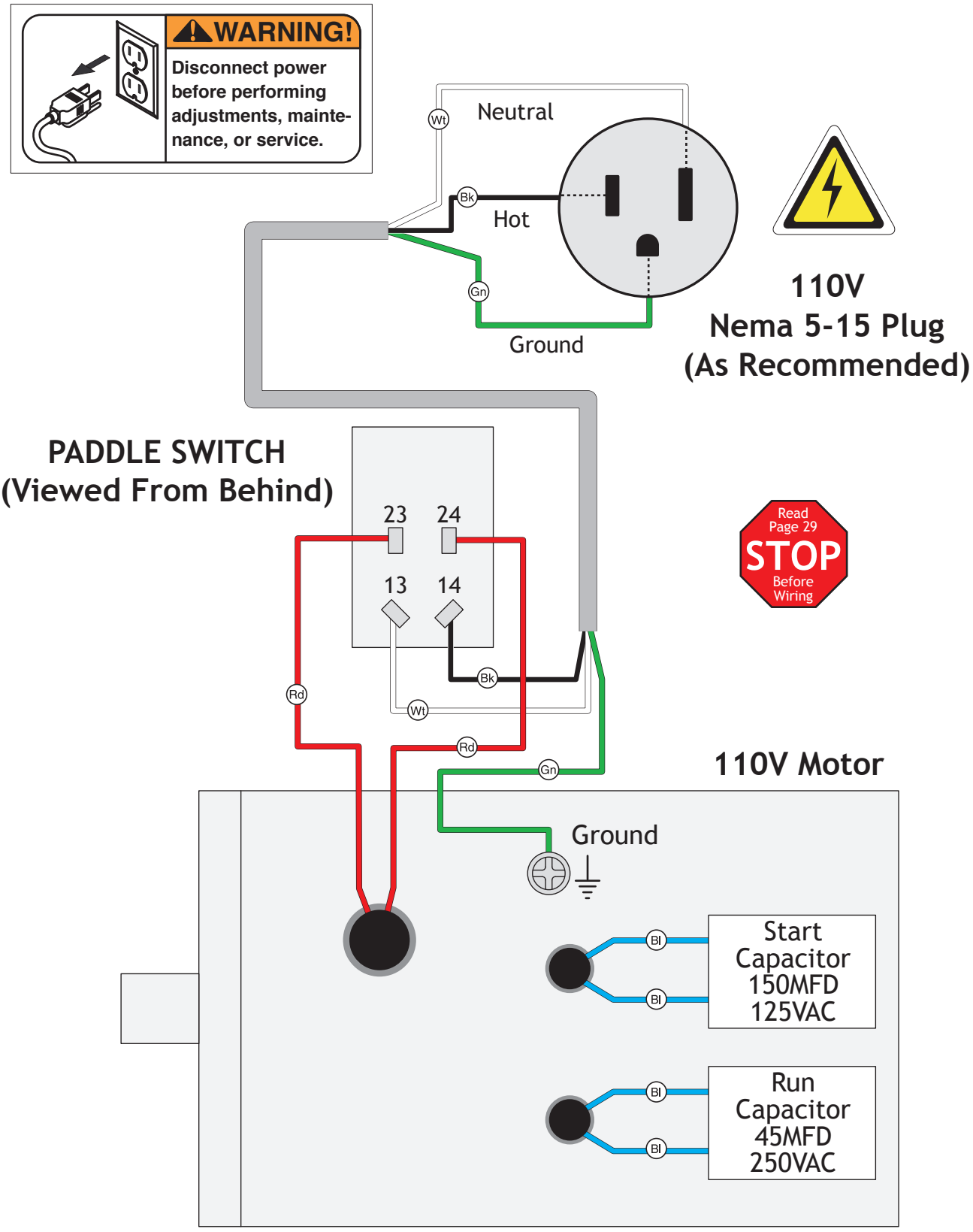
The photos and diagrams included in this section are best viewed in color. You can view these pages in color at www.shopfox.biz.

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		

SERVICE

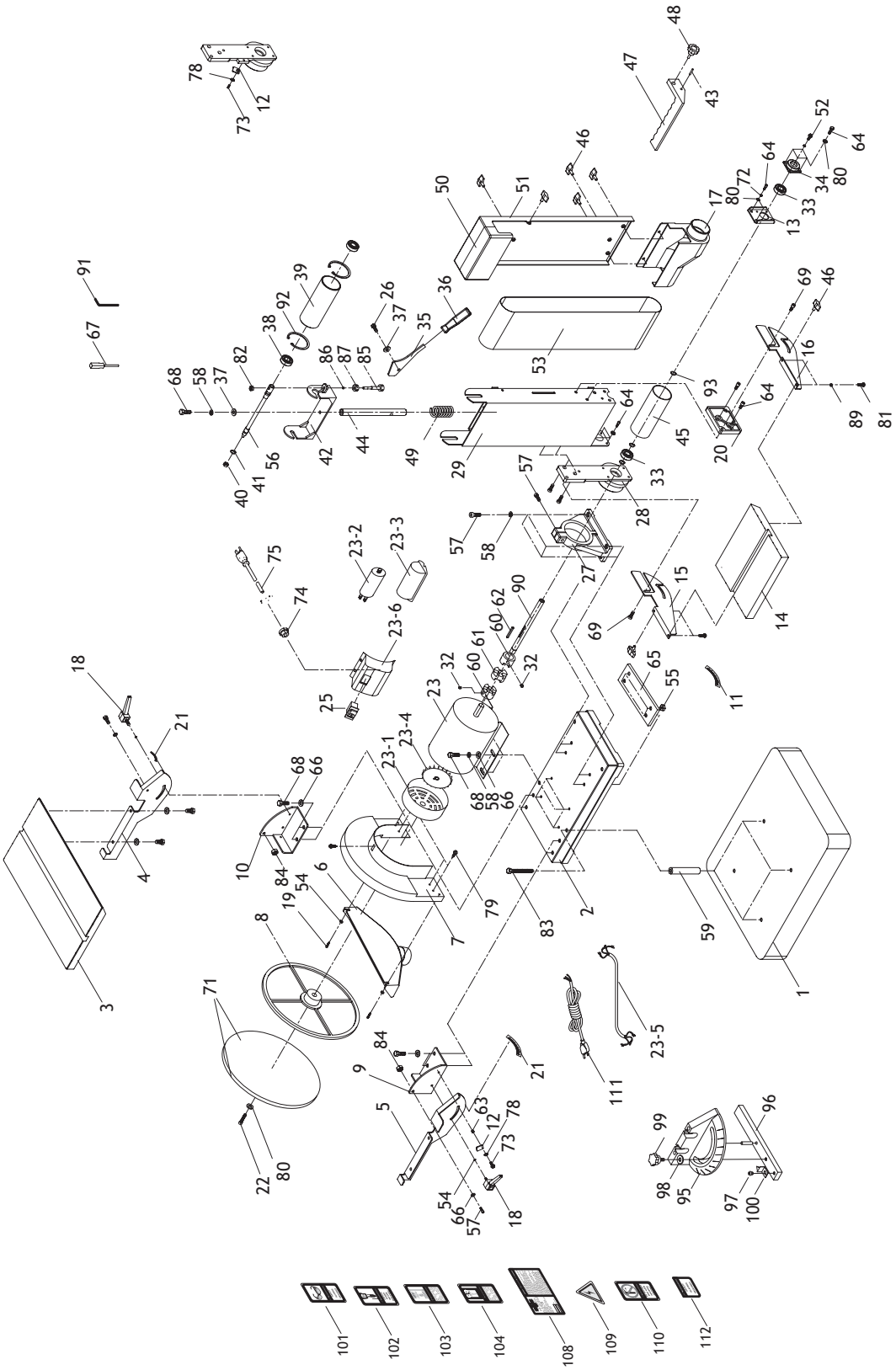
Wiring Diagram



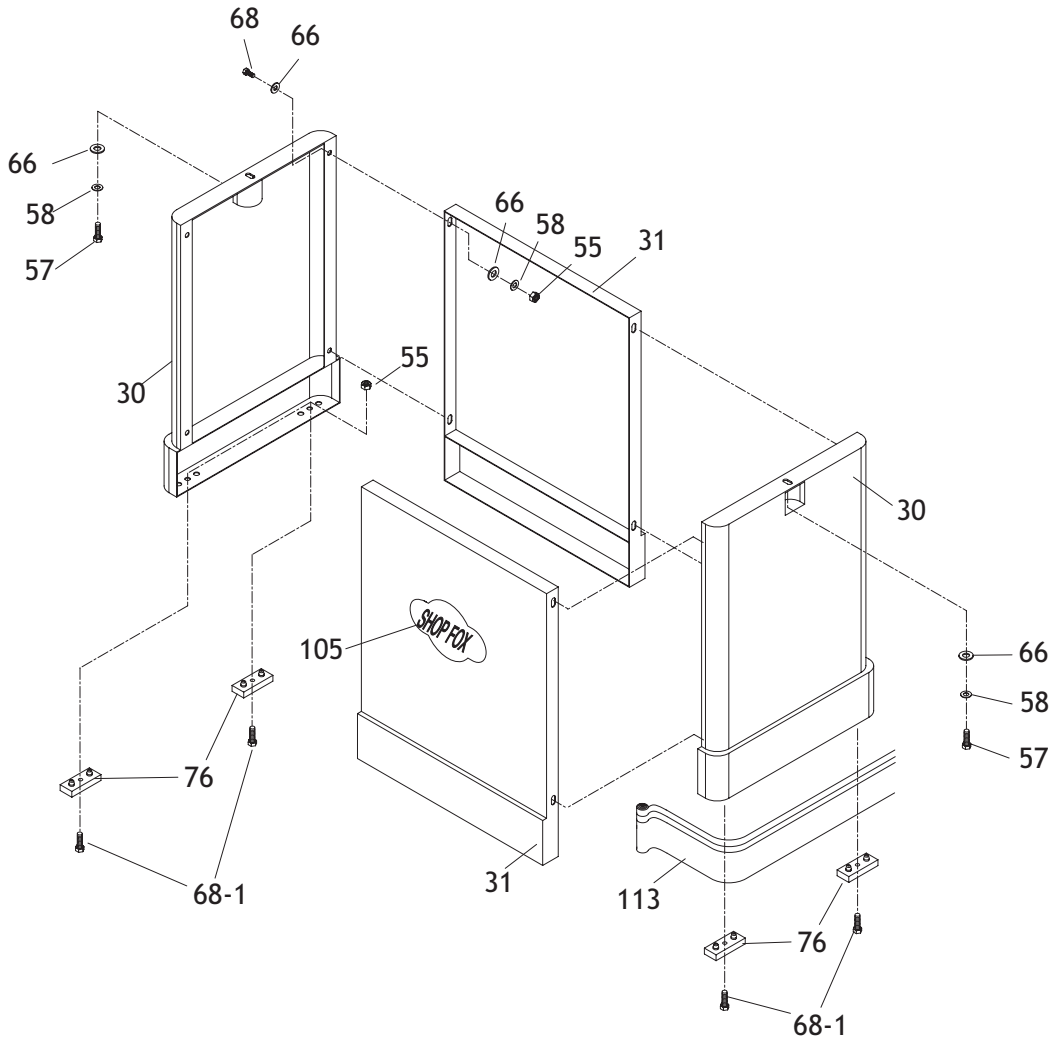
SERVICE

PARTS

Main Breakdown



Base Breakdown



Parts List

REF	PART #	DESCRIPTION
1	X1712001	BASE LOWER
2	X1712002	BASE UPPER
3	X1712003	DISC TABLE
4	X1712004	FRONT GRADUATED SCALE
5	X1712005	REAR GRADUATED SCALE
6	X1712006	DISC DUST HOOD
7	X1712007	DISC GUARD
8	X1712008	DISC
9	X1712009	FRONT BRACKET
10	X1712010	REAR BRACKET
11	X1712011	GRADUATED SCALE
12	X1712012	SCALE INDICATOR
13	X1712013	BEARING FIXED PLATE
14	X1712014	BELT TABLE
15	X1712015	LEFT SCALE PLATE
16	X1712016	RIGHT SCALE PLATE
17	X1712017	BELT DUST HOOD
18	X1712018	KNOB BOLT M6-1 X 12
19	X1712019	PHLP HD SCR 10-24 X 5/8"
20	X1712020	RIGHT GRADUATED SCALE BASE
21	X1712021	GRADUATED SCALE
22	X1712022	CAP SCREW M6-1 X 15 LH
23	X1712023	MOTOR
23-1	X1712023-1	MOTOR FAN COVER
23-2	X1712023-2	CAPACITOR 45 MFD 250 VAC
23-3	X1712023-3	CAPACITOR COVER
23-4	X1712023-4	MOTOR FAN
23-5	X1712023-5	MOTOR CORD
23-6	X1712024	SWITCH BOX
25	X1712025	SWITCH
26	X1712026	HEX BOLT 5/16"-18 X 1-1/2"
27	X1712027	TILTING FIXED BRACKET
28	X1712028	CONNECTION BLOCK
29	X1712029	SANDING PLATEN
30	X1712030	RIGHT/LEFT CABINET PANEL
31	X1712031	FRONT/REAR CABINET PANEL
32	X1712032	SET SCREW 1/4"-20 X 1/4"
33	X1712033	BALL BEARING 6202ZZ
34	X1712034	BEARING CAP 6202ZZ

REF	PART #	DESCRIPTION
35	X1712035	BELT CHANGE HANDLE
36	X1712036	BELT TENSION LEVER
37	X1712037	FLAT WASHER 5/16"
38	X1712038	BALL BEARING 6201
39	X1712039	DRIVEN ROLLER
40	X1712040	LOCK NUT 1/4"-20
41	X1712041	EXT RETAINING RING 12MM
42	X1712042	DRIVE ROLLER BRACKET
43	X1712043	ROLL PIN 6 X 40
44	X1712044	BRACKET SHAFT
45	X1712045	DRIVE ROLLER
46	X1712046	KNOB BOLT 1/4-20 X 3/8"
47	X1712047	STOP FENCE
48	X1712048	KNOB BOLT M8-1.25 X 35
49	X1712049	SPRING
50	X1712050	DUST COVER LID
51	X1712051	DUST COVER BACK
52	X1712052	PHLP HD SCR 10-24 X 1/4"
53	X1712053	SANDING BELT 6" X 48"
54	X1712054	FLAT WASHER 6MM
55	X1712055	HEX NUT 5/16"
56	X1712056	DRIVEN ROLLER AXLE
57	X1712057	HEX BOLT 5/16"-18 X 3/8"
58	X1712058	LOCK WASHER 5/16"
59	X1712059	SPACER
60	X1712060	COUPLER
61	X1712061	COMPOUND BLOCK
62	X1712062	KEY 5 X 5 X 30
63	X1712063	SPACER 6MM
64	X1712064	HEX BOLT 1/4"-20 X 1/2"
65	X1712065	PLATE
66	X1712066	FLAT WASHER 5/16"
67	X1712067	SCREWDRIVER
68	X1712068	HEX BOLT 5/16"-18 X 1"
68-1	X1712068-1	PHLP HD SCR 3/16"-18 X 3/4"
69	X1712069	CAP SCREW M8-1.25 X 25
71	X1712071	12" DISC SANDING PAPER
72	X1712072	LOCK WASHER 1/4"
73	X1712073	PHLP HD SCR M5-.8 X 20

Parts List

REF	PART #	DESCRIPTION
74	X1712074	STRAIN RELIEF BUSHING
75	X1712075	POWER CORD
76	X1712076	PAD
77	X1712077	HEX BOLT 5/16"-18 X 1"
78	X1712078	FLAT WASHER 1/4"
79	X1712079	TAP SCREW #8 X 1/2"
80	X1712080	FLAT WASHER 1/4"
81	X1712081	PHLP HD SCR 10-24 X 1/2"
82	X1712082	LOCK NUT 10-24
83	X1712083	HEX BOLT 5/16"-18 X 3"
84	X1712084	LOCK NUT 5/16"-18
85	X1712085	TRACKING ADJUSTMENT BOLT
86	X1712086	STEEL BALL 9MM
87	X1712087	ADJUSTMENT NUT
89	X1712089	FLAT WASHER 1/4"
90	X1712090	COUPLED AXLE
91	X1712091	HEX WRENCH 6MM
92	X1712092	INT RETAINING RING 32MM
93	X1712093	EXT RETAINING RING 15MM
94	X1712094	MANUAL

REF	PART #	DESCRIPTION
95	X1712095	MITER GAUGE BODY
96	X1712096	MITER GAUGE BAR
97	X1712097	PHLP HD SCR 10-24 X 3/8"
98	X1712098	EXT TOOTH WASHER #10
99	X1712099	KNOB BOLT FOR MITER GAUGE
100	X1712100	POINTER
101	X1712101	WARNING LABEL-EYE GLASSES
102	X1712102	WARNING LABEL-DUST MASK
103	X1712103	WARNING LABEL-READ MANUAL
104	X1712104	WARNING LABEL-UNPLUG
105	X1712105	SHOP FOX LOGO
106	X1712106	STRIP FOR STAND
107	X1712107	STRIP FOR FRAME
108	X1712108	MACHINE ID LABEL
109	X1712109	ELECTRICITY LABEL
110	X1712110	WARNING LABEL-LOCK BOLT
111	X1712111	POWER CORD
112	X1712112	WARNING LABEL-BELT GUARD
113	X1712113	DECORATIVE STRIPE

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.***

1. How did you learn about us?

_____ Advertisement _____ Friend ____ Local Store
_____ Mail Order Catalog _____ Website ____ Other:

2. How long have you been a woodworker/metalworker?

_____ 0-2 Years _____ 2-8 Years ____ 8-20 Years _____ 20+ Years

3. How many of your machines or tools are Shop Fox?

_____ 0-2 _____ 3-5 ____ 6-9 _____ 10+

4. Do you think your machine represents a good value? _____ Yes ____ No

5. Would you recommend Shop Fox products to a friend? _____ Yes ____ No

6. What is your age group?

_____ 20-29 _____ 30-39 ____ 40-49
_____ 50-59 _____ 60-69 ____ 70+

7. 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+

8. Which of the following magazines do you subscribe to?

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

9. Comments:_____

_____

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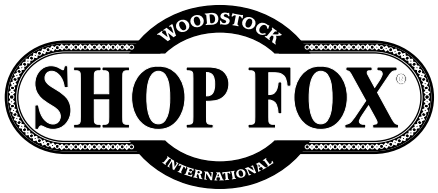

WOODSTOCK INTERNATIONAL INC.
P.O. BOX 2309
BELLINGHAM, WA 98227-2309

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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 commited to continuously improving the quality of our products, and reserve the right to change specifications at any time.

High Quality Machines and Tools

Woodstock International, Inc. carries thousands of products designed to meet the needs of today's woodworkers and metalworkers. Ask your dealer about these fine products:

BROSEA® PRECISION STOP BLOCK

THE REBEL®

BOARD BUDDIES®

PLANER PAL®

SLICKPLANE®

ACCU-SHARP®

ROMAN CARBIDE®

JOINTER PAL®

DURASTICK®

SOUTH BEND™

STEELEX® FINE TOOLS

STEELEX® PLUS

Rotacator®

Gutmann®

Junglee®

PARROT VISE®

PRO-STIK® ABRASIVE BELT & DISC CLEANER

Aluma-Classic®

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