







English - EN

Section - A



Failure to read the Owner's Manual prior to operating or servicing your American Sanders machine could result in injury to you or to other personnel, damage to the machine or to other properly could occur as well. You must have training in the operation of this machine before using it. If you or your operator(s) cannot read English, have this manual explained fully before attempting to oporate this machine.



A. Sandingfinishing wood floors can create an explosive or combustible environment. Do not operate this machine around solvents, thinners, abond, like is, floor finishes, wood dust or any other filammable materials. Cgardte lighten, pilot lights, ocietical sparks and all other sources of infloor should be endinguished or avoided. Keep work area well ventificate.

8. Dust generated from sanding wood floors can spontaneously ignite or explode. Promptly dispose of any sanding dust in a metal container clear of any combustibles. Do not dispose in a fire.



A. Electrocution could occur if the machine is being serviced while the machine is connected to a power source. Disconnect the power supply before servicing.



B. Electrocution or fire could occur if the machine is being operated with a damaged power cord. Keep the power cord clear of the pad. Always lift the cord over the machine. Do not move the machine by the power cord.

C. Shock hazard. Do not use the machine if it has been rained on or sprayed with water.



To avoid injury loop hands, feet, and loose clothing away from all moving parts on the machine. Disconnect the power cord before replacing the pad, changing the abrasive, or when servicing. Do not operate the machine unless all guards are in place. Never leave the machine unlathedd while connected to a power source.



Injury can occur if protective dothing or equipment is not used while sanding. Always wear safety gogglas, protective dothing, and dust mask while sanding.



This sender is not to be used on pressure treated wood. Some pressure treated woods contain <u>arrenic</u> and sanding pressure treated wood produces hazardous dust. Inhaling hazardous dust from pressure treated wood can cause sensors injury or death. Sanding pressure treated wood decks or uneven surfaces can damage the sander <u>which is not covered</u> under warranty or damage waiver.

WARNING:

Any alterations or modifications of this machine could result in damage to the machine or injury to the operator or other bystanders. Alterations or modifications not authorized by the manufacturer voids any and all warranties and liabilities.

MARNING:

Risk of explosion. Floor sanding can result in an explosive mixture of fine dust and air. Use floor sanding machine only in a well-ventilated area free from any flame or match.

General Power Tool Safety Warnings

WARNING: Read all safety warnings and instructions. Failure to fol shock, fire and or serious injury. instructions may result in electric

Save all warnings and instructions for future use.

The term "power tool" in the warnings refers to your main operated (corded) power tool or bettery operated (cordess) power tool.

1) Work area safety

- voix a tries salety

 3) Keep work area clean and well lit. Clutter or dark areas invite accidents.

 b) Do not oporate power tools in explosive atmosphores, such as in the presence of flammable liquids, gasses, or dust.

 Power tools create sparks which may junite the dust or fumes.

 c) Keep children and bystanders away while operating a power tool. Distractions can cause you to less control.

2) Electrical safety

- Electrical safety

 Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with
 earthod (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.

 Avoid bedy contact with carried or grounded surfaces even as pipes, radiators, ranges, and refrigerators. There is an
 increased risk of electric shock if your body is earthed or grounded.

 Do not abuse power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

 Do not abuse the cord. Never use the cord for carrying, pulling or unpflugging the power tool. Keep cord away from
 heat, oil, sharp edges or morning out ords increased his for of electric shock.

 When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of cord suitable for outdoor use. Use of cord suitable for outdoor use.

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READ THIS BOOK

This book has important information for the use and safe operation of this machine. Failure to read this book prior to operating or attempting any service or maintenance procedure to your American Sanders machine could result in highly to you or to other personnel, damage to the machine or to other properly could occur as well. You must have training at the operation of this machine before using it. If your operator(s) cannot read this manual, have it explained fully cefore attempting to operate this machine.

All directions given in this book are as seen from the operator's position at the rear of the machine

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The Products soid with this Manual contain or may contain chemicals that are known to certain governments (such as the State of Californa, as identified in its Proposition BS Regulatory Warning Law) to cause cancer, birth defects or other reproductive harm. In certain lucationing (including the State of California) purchases of these Products that place them in service at an employment, do site or a publicly accessible space are required by regulation to make certain notices, warnings or disclosures regarding the chemicals trust are or may be contained in the Products at or about such work sites. It is the purchaser's responsibility to know the contained, and to comply with, any laws and regulations relating to the use of the Products in such environments. The Manufacturer decidings any responsibility to advise purchasters of any specific requirements that may be applicable to the use of the Products in such environments.

This product is intended for commercial use only

Operator Safety Instructions

In this Operation Manual you will find three statements that you must read and observe to ensure safe operation of this

DANGER means: Severe bodily injury or death can occur to you or other personnel if the DANGER statements found on this machine or in this Operation Manual are ignored or are not adhered and observe all DANGER statements found in this Operation Manual and on your machine.

WARNING means: Injury can occur to you or to other personnel if the WARNING statements found on your machine or in the Operation Manual are ignored or are not adhered to. Read and observe all WARNING statements found in this Operation Manual and on your machine.

CAUTION means: Damage can occur to the machine or to other property if the CAUTION statements found on your machine or in this Operation Manual are ignored or are not adhered to. Read and observe all CAUTION statements found in this Operation Manual and on your machine.

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f) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) or ground fault circuit interrupter (GFCI) protocted supply. Use of a RCD or GFCI reduces the risk of electric shock.

- Personal safety

 3) Stay alart, watch what you are doing and use common sense when operating a power tool. Do not use a power tool

 3) Stay alart, watch what you are doing and use common sense when operating a power tool will be a sense power tool in the power. Do not overward. Note proper fooling and balance at all times. This enables better control of the power tool in the power tool in the power. Do not overward. Note proper fooling and balance at all times. This enables better control of the power tool in the power tool in the power. Do not overward. Note the power tool in the power tool in the power tool in the power tool in the power. Do not overward. Do not overward tool in the power tool in

- unexpected situations.

 Deses properly Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.
 Loose dothes, jewelry, or long hair can be caught in moving parts.
 Loose dothes, jewelry, or long hair can be caught in moving parts
 If devises are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust related hazards. It is recommendation that the tool always be supplied via a rectulas unrent devize with a rade residual current of SomAn or less that the control of the control of SomAn or less that the control of the control of SomAn or less that the control of SomAn or le

r tool use and care

- a) Do not force the power tool. Use the correct power tool for your application. The correct power fool will do the job better
 and safer at the rate for which it was designed.
 b) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the
 switch is dangerous and must be repaired.

- switch is dangerous and must be repaired.

 Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories or storing power tools. Such preventaine salesy measures reduce the risk of starting the power tool accidently.

 Store tilds power tools out of the reach of children and do not allow persons unfamiliar with the power tool or those instructions to operate the power tool. Power tools are dangerous in the hands of initrained users.

 Maintain power tools. Check for misalignment or binding of moving parts, prevalego of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by ponyling mislatined power tools.

 Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are essert to condit.
- Use the power tool, accessories and tool bits ect. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardious situation.

Have the power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained. If the supply cod is diamaged, it must be replaced by the manufacturer, its service agent or samely qualified persons in order to avoid a hazard.

Safety Warnings For Sanding Operations

- Warmings For Sanding Operations. This power lool is interded to function as a sander. Read all safety warmings, instructions and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, or personal injury. Operations such as grinding, wire trushing, posithing or culting-off, are not recommended to be performed with this power tool. Operations for which the tool was not designed may create a hazard and cause personal injury. On not use accessories which are not specificatly designed and recommended by the tool manufacturer. Just because the accessory can be attached to your power tool, at does not assure safe operation. 3

- secresory can be attained to your power tool, it does not assure safe operation.

 The rated speed in consistency must be at least equal to the maximum speed marked on the power tool. Accessories running safer than their consistency must be at least equal to the maximum speed marked on the power tool. Accessories running safer than their consistency must be adequately guided or controlled.

 The outside dismeter and thisconset of your accessory of the be within the capacity rating of your power tool. Incornectly sized accessories cannot be adequately guided or controlled.

 The arbor size of wheels, flanges, busined pands or any other accessory must fit the sphelle of the power tool. Accessories with arbor holes that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.

 Do not use damaged accessory. Before each use inspect the accessory such as a stratery wheel for thips or cracks, tacking and for tracks, tack are or excess wax, whe tensh for fooce or cracked withers. It power tool or accessory is droped, inspect for damage or install an undamaged accessory. After inspecting or installing an accessory, position yourself or bystanders away from the planner of the rotkering accessory and not the power tool at maximum no-load speed for one minute. Damaged accessories will normally break apart during this time.

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- Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glossos. As appropriate, wear dust mask, hearing protectors, gloves and workshop apon capacite of stopping flying debris generated by various operations. The eye protection must be carabile of stopping flying debris generated by various operations. The dust mask of respirator must be capable of fiftening particles generated by your operations. Protonged exposure to high intensity notion may cause hearing loss.
- Keep bystanders asafe distance away from work area. Anyone enlering the work area must wear personal protective equipment. Fragments of work piece or a broken accessory maylly away and cause injury beyond immediate area of operation.
- equipment. Fragments of work piece or a broken accessory maylly away and cause injury beyond immediate area of operation.

 10. Hold power tool by gripping insulated surfaces (handle) only, when performing an operation where the cutting accessory may contact hidden writing or its own court. Cutting uccessory contacting a "lieve" wire may make exposed metal parts of the power tool "live" and shock the operator.

 11. Position the cord clear of the a spirning accessory. If you loose control, the cord may be cut or snagged and your am or hand may be pulled into the spirning accessory.

 12. Never lay the power tool down until the accessory has come to a complete stop. The spinning accessory may grap the surface and pull the power tool down until the accessory has come to a complete stop. The spinning accessory could snag your downing, pulling the accessory into your body.

 13. Do not that the power tool thick carrying it at your side. Accidental contact with the spinning accessory could snag your downing, pulling the accessory into your body.

 14. Regularly clean the power tool are farmmable in attentials. Sparse could ignite these materials.

 15. Do not use accessoryl oversized sanding older paper. Follow manufacturer's recommendations when solecting sanding paper userned in page extending beyond the sanding pad presents a liceration hozard and may cause snagging, learing of the disc or kickback.

- Larger sanding page: exterioring ungroup and an explosive mixture of fine dust and air. Use floor sanding machine only in a woll-ventilated area free from any flurne or match.

Kickback and Related Warnings

kback and related warmings.

Kickback is a sudden neadlen to a pinched or snagged rotating wheel, backing pad, brush or any other accessory. Pinching or snagging causes rapid stalling of the rotating backing pad which in tim causes uncentrolled power tool to be forced in the opposite direction of the backing pad's rotation at the point of the binding.

For example, if an abrasive wheel is snagged or pinched by the work piece, the edge of the wheel that is entering into the pinch rot of the binding.

For example, if an abrasive wheel is snagged or pinched by the work piece, the edge of the wheel that is entering into the pinch rotation of the best of the pinched by the pinched by the pinched by the pinched by the sheet of the pinched by the pinche

Kickback is the result of power tool misuse and incorrect operating procedures or conditions and can be avoided by taking proper

- kback is the result of power tool missues and incorrect operating processing as the result of power tool many position your body and arms to allow you to resist kickback forces. Always use auxiliarly handless, if provided for maximum control own kickback or torque neactions during start up. The operator can control torque reactions or kipicack forces, if proper procautions are taken.

 Never place your hand near the notating accessory, Accessory may kickback over your hand.

 Do not position your body in the area where power tool will move if kickback occurs. Kickback will propel the tool in the direction oppositio to the wheel's movement at the point of the snagging.

 Use special care when working cornors, sharp edges etc. Avoid bouncing and snagging the accessory. Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.

- 1. Emply the dust bag or dust collection receiver frequently. Do not leave residue in dust bag or dust collection receiver unaltended. Always entry in a non-combustible metal container. Sanding wood or varnish produces dust that can self ignite and cause injury or damage. Follow this precaution for storage.

 2. Set all exposed mails. Sweep loose absaves way from work area. Do not strike metal pipos, ect., with sanding paper. Striking metal or absaive particles with sanding paper produces sparks that could ignite the sanding dust which can cause injury or damage.
- injury or damage.

 Do not oporate a partially assemble power tool. Keep all adjustments within manufacturer's specifications. Keep all fastleners tight. Operating a partially assembled power tool could result in injury to the operator or bystander and could cause damage to the equipment or surroundings.

 Do not attempt to change the sanding paper while the power tool is nunning. The sanding pad can snag clothing and cause injury to limbs and moving sanding paper can cause absaisons.

 The power tool should only be used on an electrical system (mains) that is rated for the electrical requirements of the power tool should only be used on an electrical system (mains) that is rated for the electrical requirements of the power tool should only the sanding paper can cause absaisons.

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Machine Setup

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To prepare the machine for use follow this procedure:

- répaire une macrine tor use roillow unis procedure. Familiarize yourself with the machine. Read all danger, warning, and caution statements and the Operation and Parts Manual before operating the machine, if you or the operator are unable to road English, have this manual fully explained before attempting to operate this machine.
- machine, Install or replace pad. The pad should be replaced if it has become matted down to a thickness of 33° (9,5 mm) or less. To install or replace the pad, follow these instructions:

 - A. Lock handle in the upright position.
 B. Tilt the machine back until it fully rests on the handle.
 C. Standing over the machine, remove existing pad
 - Description
 Pross pad against grip face until the hooks in the driver have set in the pad (see Figure 3).

 Return machine to the upright position.



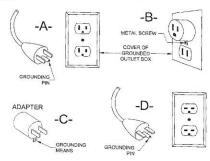
MARNING: Never put yourself or let others be in a position to get injured if the machine should tip or fall, while replacing the pad or changing abrasive.

CAUTION: Damage to the grip face will occur if the machine is operated without a pad or with a pad that is 3/8 (9.5 mm) or thinner

Safety Instructions

This foor-finishing machine shall be grounded while in use to protect the operator from electrical shock. The machine is provided with a three-conductor cord and a three contact grounding attachment plug to fix the proper grounding type receptable. The green (or green and yellow) conductor in the cord is the grounding wire. Never connect this wire to other than the grounding pin of the attachment plug.

ominal 120 voit circuit and has a grounding plug that resembles the plug litustrated as (A) in the achine is connected to an outlet having the same configuration as the plug. No adapter should be



Introduction

The OBS-18 or OBS-18DC can be used on a variety of surfaces. It is an ideal tool for wood flooring maintenance and restoration work. It is also suitable for cleaning hard surfaces such as tile or Terrozzo.

Machine Specifications

Model	OBS-18DC
Model Number	07014A
Voltage / Frequency	115V / 60Hz
Amperage (A)	10
Motor	1 hp 750 Watts
Pad Size	12" X 18" (305mm X 457mm)
Power Cable	40ft 12-3 Ga Gray Rubber Jacketed
Orbits Per Minute	3600
Orbit Diameter	1/4" (6.4mm)
Shipping Weight	125 lbs (57 kg)
Noise (dBA)	74
Vibration (m/s/s)	11.2

Machine Transportation

To transport the machine, follow this procedure

- 1. Unplug machine cord from the wall outlet and wrap the cord amound the
- handle
 Raise and lock the handle in the upright position. To lock the handle, pull
 up on the Handle Rebase Compression Lever (see Figure 1).
 Grasp the machine at the lift points (see Figure 2) and place in cargo area.
 Grasp the machine at the lift points (see Figure 2) and place in four por

MARNING: The machine is heavy (125 lbs / 57 kg). To avoid injury or damage to the machine use a firm grip and proper lifting technique. Get tance if necessary.

Secure machine to prevent movement in cargo a

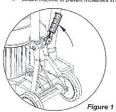
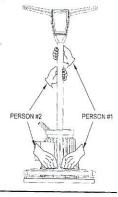


Figure 2



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Dust Collection This sanding machine is designed to be operated with a remote vacuum, dust collection system or with the included dust bag

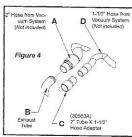
Preparing Remote Vacuum Dust Collection Systems

- To prepare the machine for remote vacuum dust collection systems that have a 2" hose end, follow this procedure:

 1. Install 2" hose end (Figure 4 A) directly into the exhaust tube (Figure 4 B). The exhaust tube can be rotated for optimum
- convenience To prepare the machine for remote vacuum dust collection systems that have a 1-1/2" hose end, follow this procedure:

- Install 2" hose end (Figure 4 A) directly into the exhaust tube (Figure 4 B).
- The exhaust tube can be rotated for gotimum

NOTE: Start the remote vacuum collections system before



Preparing Using the Dust Bag

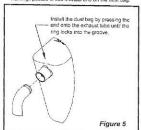
To prepare the machine for use with the included dust bag (Part No.53741A), follow this procedure:

Install the dust bag by pressing the end ento the exhaust tube until the ring looks into the groove (Figure 5). This is best done by pressing on the back of the bag opening with the palm of your hand.

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- The exhaust tube can be rotated for optimum
- To remove the dust bag from the exhaust tube, pry up the end of the bag opening to partially release the internal rib from the groove, then pull,
- To empty the dust bag, unzip the disposal flap and force contents out by inverting the bag.

NOTE; For best results, empty frequently. Follow all warnings posted in this manual and on the dust bag.



Operating Instructions - Sanding

To operate the machine as a sander follow this procedure:

- to operate the machine as a sander follow this procedure:

 1. Move machine to work location, Decide the best approach to sanding the desired area. When sanding the area, work so that you are moving away from the power supply. This will help to avoid entanglement with the power cord and reduce the need to move the power cord as frequently.
- cord as frequently.

 Install the abrasive (see Sanding Cuts & Sandingour), live the same procedure outlined in "MACHINE SETUP" for installing the pad, to install the startistive. Peet his first of the back of the obstraive, center the abrasive over the pad and press it against the pad. The adhesive on the abrasive will hold it to the pad.

NOTE: When using screen abrasive, set the screen on the floor then move the machine over the screen. Lower the machine until the pad comes to rest on the screen. Make sure the screen is centered on the pad.

WARNING: Injury can occur if the machine is connected to a power source while installing the pad or abrasive. Disconnect the machine before installing the pad/abrasive.

3. Connect the machine to an appropriately fused and grounded circuit.

grounder circuit.

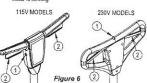
Release the handle by pressing up on the locking lever.

Bring the handle to a comfortable position.

CAUTION: Do not lock the handle, Locking the handle will prevent the machine from residing evenly on the pad and diminish the machine performance and reliability.

Push the interlock button (1), and apply pressure to the levers (2). To stop the machine, release the levers (2) (see Figure 6).

CAUTION: To prevent damage to the flooring and to reduce swifting, keep the machine in motion while the motor is running.



Operating Instructions - Polishing

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erate the machine as a polisher follow this procedure WARNING: Injury can occur if the machine is connected to a power source while installing the pad or abresive. Disconnect the machine before installing the pad/abrasive.

- Connect the machine to an appropriately fused and grounded circuit.
- Release the handle by pressing up on the locking lever.
 Bring the handle to a comfortable position.
- CAUTION: Do not lock the handle. Locking the handle will prevent the machine from resting evenly on the pad and diminish the machine performance and reliability.
- Push the Interlock button (1), and apply pressure to the levers (2). To stop the machine, release the levers (2) (see Figure 6).

CAUTION: To prevent damage to the flooring and to reduce swirling, keep the machine in motion while the motor is running.

Sanding Cuts & Sandpaper

The purpose of the initial cut is to remove old finish and gross imperfections on the floor surface. Use a course (20-36 grit) grain abrasive.

Final Cuts:

Final Cute:

The purpose of a finishing cut is to remove the scratches produced during the initial cut. Use a fine (60-80 grit) grain advanse. If the surface remains rough after a finishing cut, it may be necessary to use an even finer grain of abrasive. (80-10grit). Cere should be taken in selecting by grit size of the abrasive. A very fine grain will close the pores on a wood floor marking admission of a stain difficult. If glazing or burning should occur the abrasive has duiled and must be replaced.

Troubleshooting

Problem	Possible Cause	Action
Motor will not start.	No Power.	Check power supply and connection.
	Interlock not depressed.	Depress interlock before activating control lever.
	Defective switch / bad connection.	Contact an authorized American Sanders Dealer.
Motor fails to start / runs sluggish.	Low voltage from excessive length or undersized extension cord.	Use a 12 Ga. extension cord, not to exceed 50 feet (15m) length
	Defective start capacitor.	Contact an authorized American Sanders Dealer.
	Defective start switch.	Contact an authorized American Sandors Dealer,
	Defective run capacitor	Contact an authorized American Sanders Dealer.
	Defective motor.	Contact an authorized American Sanders Dealer,
Fuse / circuit breaker repeatedly trips.	Low voltage.	Eliminate extension cord.
		Locate power source closer to work site.
		Have voltage checked by a qualified electrician.
	Bad connection.	Contact an authorized American Sanders Dealer.
	Defective motor.	Contact an authorized American Sanders Dealer.

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