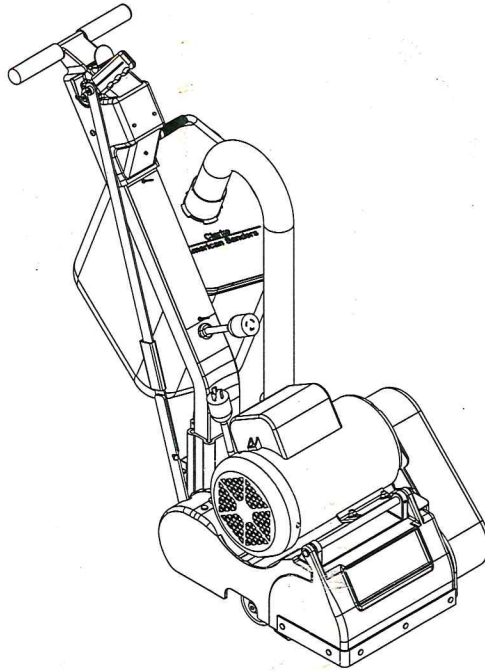


Clarke®

American Sanders®

EZ-8 Sander

W726



Operator's Manual/Manual del operador/Manuel de l'utilisateur
 Models: 07012A, 07058A, 07060A



READ THIS BOOK

LEA ESTE MANUAL

LISEZ CE MANUEL

EN English (2 - 13)

ES Español (14 - 25)

FR Français (26 - 37)

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 Clarke American Sanders machine could result in injury to you or to other personnel; damage to the machine or to other property could occur as well. You must have training in the operation of this machine before using it. If your operator(s) cannot read this manual, have it explained fully before 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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WARNING!

The Products sold with this Manual contain or may contain chemicals that are known to certain governments (such as the State of California, as identified in its Proposition 65 Regulatory Warning Law) to cause cancer, birth defects or other reproductive harm. In certain locations (including the State of California) purchasers of these Products that place them in service at an employment job site or a publicly accessible space are required by regulation to make certain notices, warnings or disclosures regarding the chemicals that are or may be contained in the Products at or about such work sites. It is the purchaser's responsibility to know the content of, and to comply with, any laws and regulations relating to the use of these Products in such environments. The Manufacturer disclaims any responsibility to advise purchasers 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*****

Troubleshooting

Problem	Cause	Action
Drive belts jump teeth or squeak.	Damaged belt. Insufficient tension. Poor belt tracking.	Replace belt. Tension drive belt. Align Pulley.
Squealing, growling or grinding noise coming from machine.	Damage and/or worn bearing.	Remove drive belts, rotate arbor motor and fan shafts to locate dragging or rough bearing. Contact an authorized Clarke American Sanders dealer.
Dust pick-up is poor.	Dust bag is over $\frac{1}{3}$ full. Dust bag is dirty. Dust shoe is improperly adjusted. Dust chute is obstructed.	Empty contents of bag. Shake debris from bag and wash. Readjust dust shoe. Remove dust shoe and clear throat.
Motor will not start.	Defective motor starter. Defective start capacitor. Defective start switch. Poor connections. Motor overload tripped. Defective motor. No power.	Contact an authorized Clarke American Sanders dealer. Contact an authorized Clarke American Sanders dealer. Contact an authorized Clarke American Sanders dealer. Check connections. Remove power. Depress reset button on motor Contact an authorized Clarke American Sanders dealer. Check power supply and connections.
Motor runs sluggishly.	Low voltage from excessive length, undersized extension cord, or poor connection. Defective run capacitor. Defective motor.	Locate power source nearer to work site. Check connections. Contact an authorized Clarke American Sanders dealer. Contact an authorized Clarke American Sanders dealer.
Motor overload trips/repeatedly trips	Low voltage from excessive length, undersized extension cord, or poor connection. Excessive load. Defective start switch. Defective motor starter. Defective motor. Defective capacitor.	Remove power, allow motor to cool. Depress reset button on motor. Locate power source nearer to worksite. Check connections. Contact an authorized Clarke American Sanders dealer. Contact an authorized Clarke American Sanders dealer Contact an authorized Clarke American Sanders dealer. Contact an authorized Clarke American Sanders dealer. Contact an authorized Clarke American Sanders dealer. Contact an authorized Clarke American Sanders dealer.
Uneven cut.	Leveling out of adjustment.	Readjust leveling.
Burning or glazing.	Dull abrasive. Too fine of an abrasive.	Replace abrasive. Use a coarser abrasive.
Waves on sanded surface.	Debris on wheels. Flat spot on tire(s).	Remove and clean wheels. Replace tires.

LEA ESTE MANUAL

Este manual contiene información importante acerca del uso y la seguridad de la máquina. Si no lee el manual antes de utilizar su máquina Clarke American Sanders o de intentar realizar los procedimientos de reparación o mantenimiento de la misma, usted o el resto del personal podrían sufrir lesiones; asimismo, podrían producirse daños a la máquina o a otras propiedades. Antes de utilizar la máquina, es necesario recibir la capacitación adecuada en la operación de la misma. Si el operador de la máquina no sabe leer en español, explíquelo el manual exhaustivamente antes de que intente utilizarla.

Todas las indicaciones incluidas en este manual se ofrecen desde la posición del operador en la parte posterior de la máquina.

Si desea conseguir nuevos manuales, escriba a: Clarke® .

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 **ADVERTENCIA:** Los Productos a la venta en este Manual contienen, o pueden contener, productos químicos reconocidos por algunos gobiernos (como el Estado de California, según lo indica en su Proposición 65, Ley de Advertencia Regulatoria) como causantes de cáncer, defectos de nacimiento u otros daños reproductivos. En algunas jurisdicciones (incluido el Estado de California), los compradores de estos Productos que los coloquen en servicio en un emplazamiento laboral o en un espacio de acceso público tienen la obligación regulatoria de realizar determinados avisos, advertencias o divulgaciones respecto de los productos químicos contenidos o posiblemente contenidos en los Productos utilizados en tal lugar. Es la responsabilidad del comprador conocer y cumplir con todas las leyes y reglamentaciones relacionadas con el uso de estos Productos en tales entornos. El Fabricante niega toda responsabilidad de informar a los compradores sobre requisitos específicos que pueden regir el uso de los Productos en tales entornos.

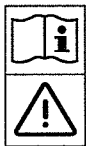
OPERATOR SAFETY INSTRUCTIONS

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 Operator's Manual are ignored or are not adhered to. Read and observe all **DANGER** statements found in this Operator's 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 this Operator's Manual are ignored or are not adhered to. Read and observe all **WARNING** statements found in this Operator's 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 Operator's Manual are ignored or are not adhered to. Read and observe all **CAUTION** statements found in this Operator's Manual and on your machine.

 **DANGER:**



Failure to read the Operator's Manual before operating or servicing this sanding equipment could result in injury to the operator or to bystanders and could cause damage to the equipment. Read and observe all safety statements found in this manual and on the sanding equipment. Make sure all labels, decals, warnings, cautions and instructions are fastened to the equipment. Replace any that are damaged or missing. You must have training in the operation of this equipment before using it. If the operator is unable to read this manual, have it explained fully before they attempt to use this equipment.

 **DANGER:**



Sanding/finishing wood floors can create an environment that can be explosive. The following safety procedures must be adhered to:

- Cigarette lighters, pilot lights and any other source of ignition can create an explosion when active during a sanding session. All sources of ignition should be extinguished or removed entirely if possible from the work area.
- Work areas that are poorly ventilated can create an explosive environment when certain combustible materials are in the atmosphere, i.e., solvents, thinners, alcohol, fuels, certain finishes, wood dust and other combustible materials. Floor sanding equipment can cause flammable material and vapors to burn. Read the manufacturer's label on all chemicals used to determine combustibility. Keep the work area well ventilated.
- Spontaneous combustion or an explosion can occur when working with sanding dust. The sanding dust can self-ignite and cause injury or damage. Sanding dust should be disposed of properly. Always empty the sanding dust into a metal container that is located outside of any building(s).
- Remove the contents of the dust bag when the bag is 1/3 full. Remove the contents of the dust bag each time you finish using the equipment. Never leave a dust bag unattended with sanding dust in it.
- Do not empty the contents of the dust bag into a fire.
- Hitting a nail while sanding can cause sparks and create an explosion or fire. Always use a hammer and punch to countersink all nails before sanding floors.

 **DANGER:**

Operating partially assembled sanding equipment could result in injury to the operator or bystander and could cause damage to the equipment or to other property.

- Do not operate this equipment unless it is fully assembled and all guards, doors and covers are secured.
- Keep all fasteners tight.
- Keep all adjustments within manufacturer's specifications.

 **DANGER:**

Moving parts on this sanding equipment can cause injury to the operator or bystanders.

- Keep hands, feet and loose clothing away from all moving parts.
- Do not change or adjust the abrasive while the sanding equipment is running.
- Do not service the sanding equipment while it is running.

 **DANGER:**

This sanding equipment requires a supply of electricity. Improper use could result in electrical shock or fire.

- Connect only to an electrical source matching what is shown on the equipment nameplate.
- Do not use this sanding equipment on an ungrounded electrical circuit. Consult an electrician if you suspect the circuit is not properly grounded.
- Do not use this sanding equipment with a damaged electrical cord. Inspect before each use.
- Avoid striking the electrical cord with the abrasive. Always lift the electrical cord over the sanding equipment.
- Do not use the electrical cord to move the sanding equipment.
- Disconnect the electrical source before servicing this equipment.

 **WARNING:**

In the event of a bag fire, injury can occur to the operator if the operator is tied or strapped to equipment. Use operating belt properly.

 **WARNING:**

Injury to the operator or bystander can occur if protective gear is not worn while sanding. Always use eye, ear, and respiratory protection while performing any sanding operation.

 **WARNING:**

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

 **WARNING:**

Bodily injury could occur if power is applied to the equipment with the power switch already in the "ON" position. Always check to assure that the power switch is in the "OFF" position before connecting power supply.

 **WARNING:**

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.

 **CAUTION:**

Maintenance and repairs performed by unauthorized personnel could result in damage or injury. Maintenance and repairs performed by unauthorized personnel will void your warranty. Servicing of this unit must always be referred to an authorized Clarke American Sanders distributor.

 **CAUTION:**

Use of this equipment to move other objects or to climb on could result in injury or damage. Do not use this equipment as a step or furniture. Do not ride on this equipment.

 **CAUTION:**

Damage could occur to the equipment if not properly kept in a dry building for storage. Store the equipment in a dry building.

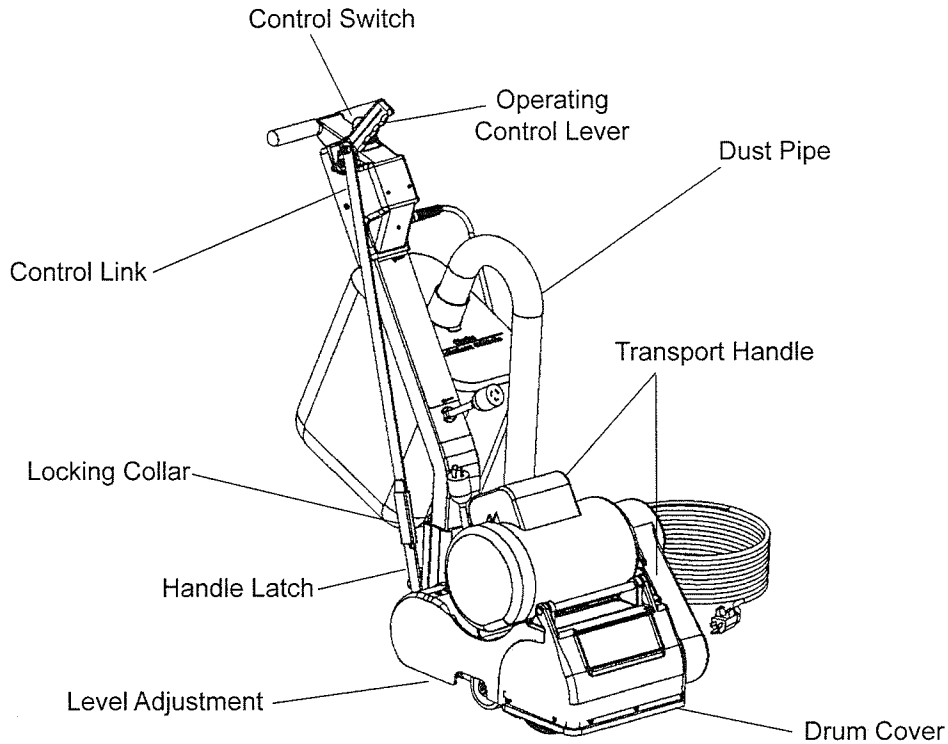
 **CAUTION:**

The equipment is heavy. When transporting the equipment, remove the motor. Get help to lift the equipment and motor.

 **CAUTION:**

Serious damage to the floor can occur if the sanding equipment is left running in one spot while the sanding drum is in contact with the floor. To avoid damage to the floor, feather cut in at a normal sanding rate. Do not dwell while lowering or raising the contact wheel. Always sand at a constant rate.

Introduction & Machine Specifications



Model	07012A	07058A	07060A
Abrasive Size	8 in x 19 in sleeve	8 in x 19 in sleeve	8 in x 19 in sleeve
Abrasive Rate	2830 ft/min	2830 ft/min	2360 ft/min
Drum Rate	1800 RPM	1800 RPM	1500 RPM
Dust Control Rate	76 CFM	76 CFM	64 CFM
Drum Pressure	25 lbs	25 lbs	25 lbs
Leveling Controls	Externally Adjustable	Externally Adjustable	Externally Adjustable
Operating Controls	Lever Operated	Lever Operated	Lever Operated
Motor	1½ HPTEFC Thermally Protected	1½ HPTEFC Thermally Protected	1½ HPTEFC Thermally Protected
Power Cable	40' 12 Gauge Abrasive Resistant	40' 12 Gauge Abrasive Resistant	40' 12 Gauge Abrasive Resistant
Voltage/Frequency	115 / 60	115 / 60	240 / 50
Amperage	12	12	6
Dimensions (in)*	21½x16x35½"	21½x16x35½"	21½x16x35½"
Weight (lbs)*	125	125	125

*Shipping Value

⚠ CAUTION!

Your equipment may be inappropriate on some installations. Always consult with the flooring manufacturer on the proper installation, preparation, and finishing of their product. Determine suitability of your equipment in preparing the product.

How to Transport the Machine

Transporting the Machine With Limited Cargo Area:

To transport the machine, follow this procedure:

1. Lower sanding drum with control lever. See figure #1.
2. Slide collar beyond overlap of control link; remove pin from notch. See figure #2.
3. Twist and remove handle pigtail from motor cord. See figure #3.
4. Release handle latches and remove handle from chassis. See figure # 2.
5. Remove dust pipe from chassis.
6. Lift chassis with transport handles and place in cargo area. See figure # 4.

⚠ WARNING: Machine is heavy (95 lbs.). To avoid injury or damage grasp transport handles firmly; use proper lifting technique.

7. Secure chassis to prevent movement in cargo area. Place handle and dust pipe in cargo area.

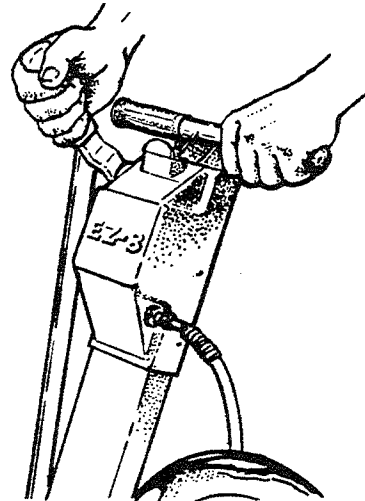


Figure # 1

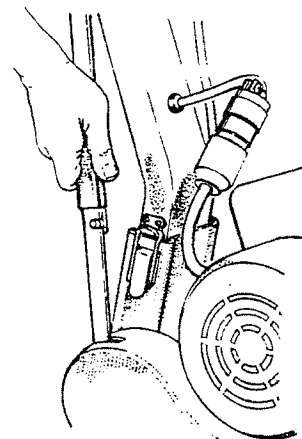


Figure # 2

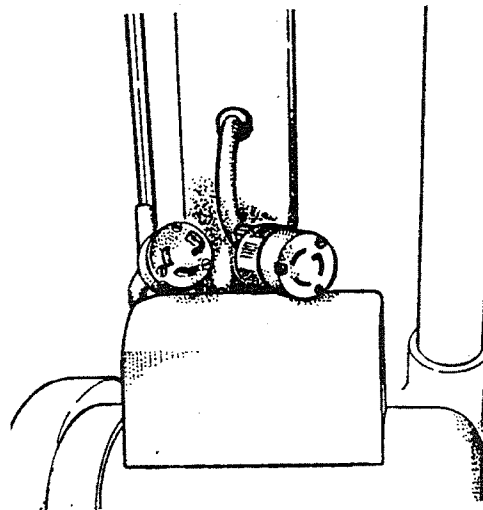


Figure # 3

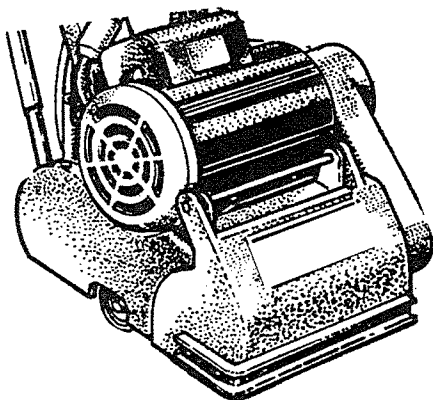


Figure # 4

Machine Set-up

To set up the machine follow this procedure:

1. Familiarize yourself with the machine. Read all danger, warning, and caution statements as well as the Operator's Manual. If operator is unable to read English, have the manual explained before operating.
2. Install handle and fasten latches. See figure # 6.
3. Insert control link into notch and slide collar to pin. Raise sanding drum with control lever. See figure # 5 & # 6.
4. Install dust tube.
5. Connect the handle pigtail to the motor cord. Align ground pin, insert and twist. See figure # 7.
6. To install abrasive on sanding drum equipped with paper clamp: loosen screws to paper clamp with a coin. Do not remove screws or clamp from the sanding drum. Insert one edge of abrasive under paper clamp. Rotate sanding drum to wrap abrasive around drum. Insert other edge of abrasive under paper clamp. Center abrasive and take up any slack in the abrasive. Tighten screws on paper clamp. Close drum cover. See figure # 8.

To install abrasive on sanding drum equipped for Sleeve abrasive: slide abrasive over drum, center abrasive, and close drum cover.

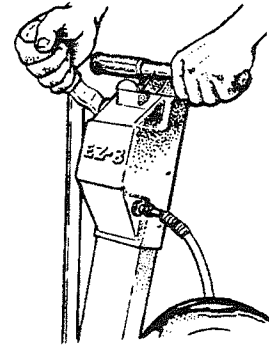


Figure # 5

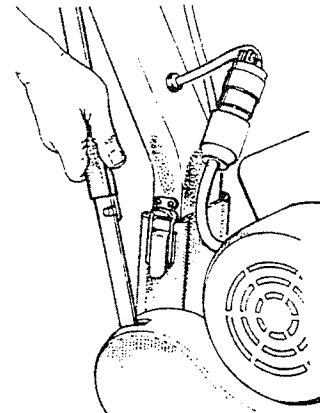


Figure # 6

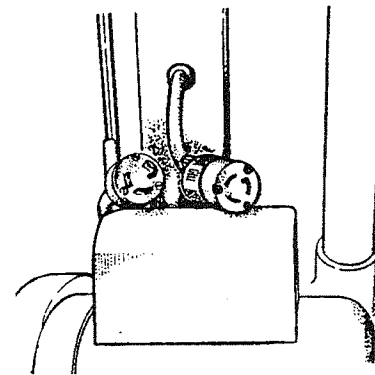


Figure # 7

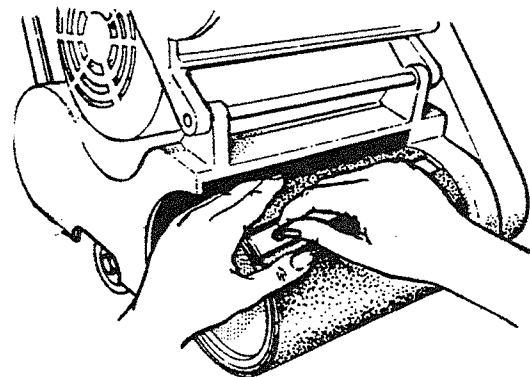


Figure # 8

Machine Set-up

7. This sanding machine is designed to be operated with a remote vacuum dust collection system or with the included dust bag. Follow the procedures below:

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 9, A) directly over the exhaust tube (figure 9, B).
2. 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:

1. Install the 2" x 1 1/2" hose end adaptor (Part No. 30563A) (figure 9, C) over the exhaust tube (figure 9, B).
2. Insert 1 1/2" hose end (figure 9, D) into the adaptor (figure 9, C).

NOTE: Start the remote vacuum collection system before operation.

Preparing to use the included dust bag

To prepare the machine for use with the included dust bag, follow this procedure:

1. Install the dust bag by pressing the end onto the exhaust tube until the ring locks into the groove (figure 10). This is best done by pressing on the back of the bag opening with the palm of your hand.
2. The exhaust tube can be rotated for optimum convenience.
3. 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.
4. 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.

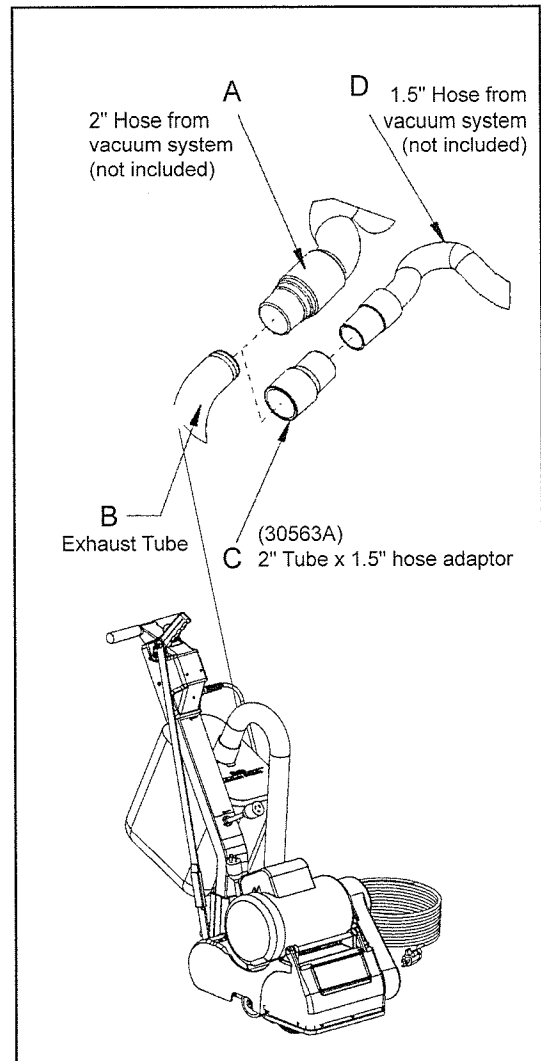


Figure 9

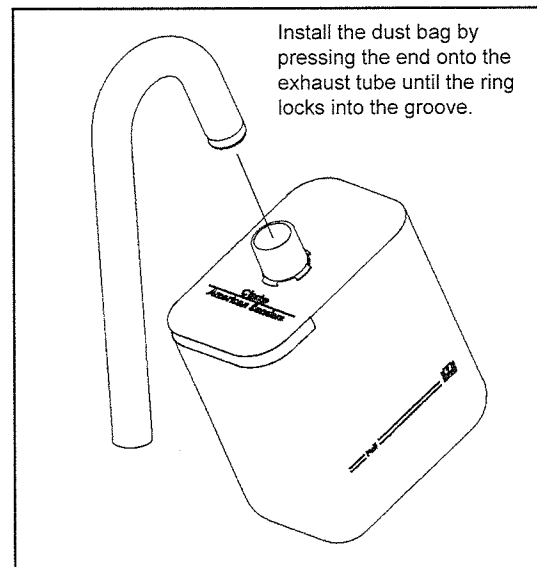
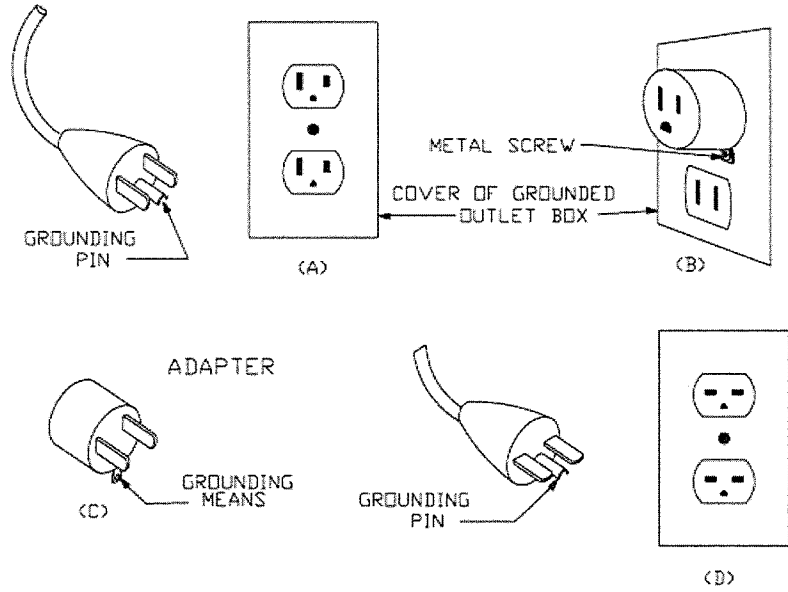


Figure 10

Safety Instructions

This floor-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 fit the proper grounding type receptacle. 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.



This machine is for use on a nominal 120 volt circuit and has a grounding plug that resembles the plug illustrated as (A) in the sketch. Make sure that the machine is connected to an outlet having the same configuration as the plug. No adapter should be used with this machine.

How to Operate the Machine

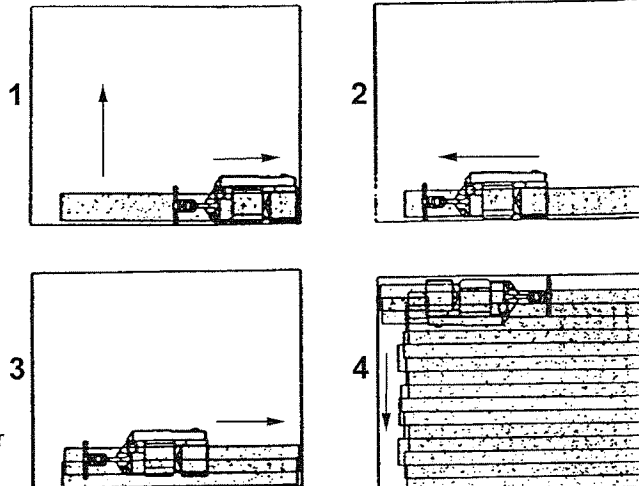
To operate the machine, follow this procedure:

1. Set any exposed nails with a hammer and punch to avoid encounter with sanding drum. Connect the machine to an appropriate grounded and fused circuit (power supply). Press the selector switch to the start (S) position. Once started, allow switch to return to run (R) position.

⚠ CAUTION: To prevent damage to the surface, make sure the machine is always moving when the sanding drum is in contact with the floor.

2. Work right to left. For each forward pass, move the machine 4" over the pass you have just finished. Retrace your reverse path without overlapping. See figure # 11
3. Feather-cut in by easing the sanding drum down onto the surface with the control lever while the sander is in motion.
4. When sanding drum is fully engaged with the surface, release control lever and adjust your pace for adequate stock removal. Keep sander in motion while the sanding drum is engaged with the surface or dwell marks will occur.
5. Move the machine in the direction of the grain in the wood whenever possible. Sand the surface at a constant pace.
6. Gradually feather-cut out at the termination point (the end of your pass) by easing the sanding drum up with the control lever. Stagger the termination points for a better blend when edging. See figure # 11.
7. When replacing abrasive, emptying contents of dust bag, or when sanding operation is completed, press selector switch to off (O) position. Disconnect the machine from the power supply.
8. Empty dust bag whenever it is 1/3 full. Never leave a dust bag unattended with sanding dust in it. Sanding dust can spontaneously ignite and cause a fire or explosion. Empty dust into a metal container clear of any combustible material.

Figure 11



Sanding Cuts and Sandpaper

Initial Cut

The purpose of the initial cut is to remove old finish and gross imperfections on the floor surface. A coarse abrasive should be used. If the surface is severely damaged by deep scratches, pre-existing dwell marks, uneven planks, etc., it may be necessary to sand across or diagonally to the grain to restore evenness to the surface. If these conditions are not present, the initial cut should be done in the direction of the grain.

If glazing, loading, or burning takes place immediately into an initial cut, select a coarser abrasive. If this should occur during an initial cut, the abrasive has dulled and must be replaced.

Final Cuts

The purpose of a finishing cut is to remove the scratches produced during the initial cut. Use a fine (60 - 80 grit) grain abrasive.

If the surface remains rough after a finishing cut, it may be necessary to use an even finer grain of abrasive (80 - 100 grit). Care should be taken in selecting the grit size of the abrasive. A very fine grain will close the pores on a wood floor making admission of a stain difficult.

If glazing or burning should occur immediately into a finishing cut, increase pace. If it should occur during a finishing cut, the abrasive has dulled and must be replaced.

Sander Adjustment Procedures

⚠ DANGER: Electrocutation could occur if maintenance and repairs are performed on a unit that is not properly disconnected from the power source. Disconnect the power supply before attempting any maintenance or service.

⚠ DANGER: Moving parts of this machine can cause serious injury and/or damage. Keep hands, feet and loose clothing away from all moving parts of the sander.

The following information provides details on how to adjust different features/controls of the sander.

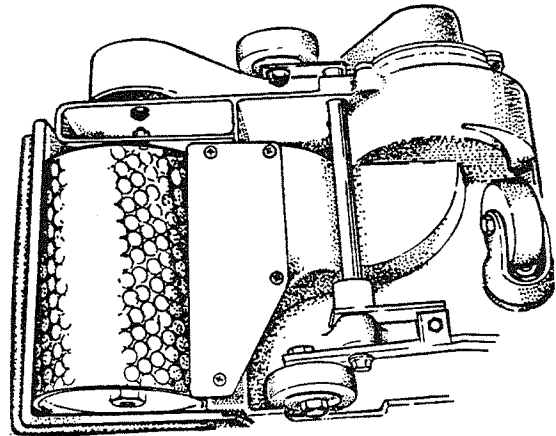


Figure # 12

Dust Shoe

To adjust the dust shoe follow this procedure:

1. Disconnect machine from power supply.
2. Loosen the four screws fastening the dust shoe to the chassis.
3. Adjust the dust shoe towards the drum to improve recovery of fine particles.
4. Adjust the dust shoe away from the drum to improve recovery of coarse particles.
5. Align the dust shoe with the drum and tighten screws. See figure # 12.

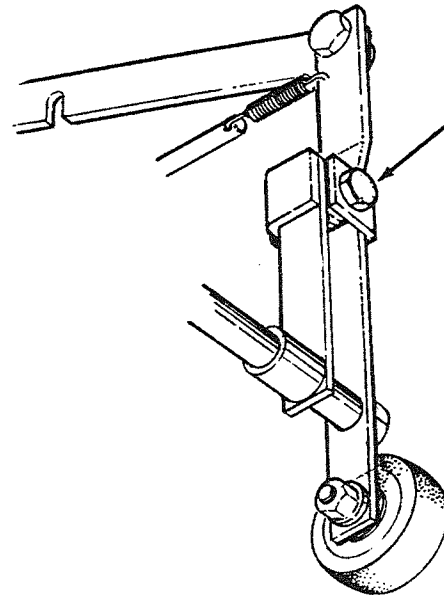


Figure # 13

Leveling

To adjust the machine leveling follow this procedure:

1. Locate the leveling screw. See figure # 13.
2. Tighten the screw (compress the leveling spring) to sand heavier on drive belt side of sanding drum.
3. Loosen the leveling screw (relax the leveling spring) to sand heavier on the side opposite the drive belts.

Routine Maintenance

The following items need to be periodically inspected and maintained to keep your sander in good working condition.

Sanding Chamber

Periodically blow out the sanding chamber to prevent large accumulations of debris which could interfere with the performance of the dust recovery system.

Wheels

Periodically remove the debris from the truck and caster wheels. Debris can cause waves on a sanded surface.

Dust Bag

Remove the dust bag from the machine and shake it thoroughly to remove the sanding dust from the dust bag. Turn the dust bag inside out and machine wash in cold water to prevent pore blockage and loss of dust recovery.

Drive Belt

Periodically check the drive belts for broken cogs or frayed edges. Frayed edges may indicate poor tracking. Realign effected belt.

Bearings

Periodically check the bearings for wear or damage according to the following schedule.

<i>Arbor shaft</i>	Re-lubricate every 150 hrs. w/.10 oz. of a NLGI grade 2, -30 ⁰ F to 250 ⁰ F, 58-75 SUS at 210 ⁰ F, grease lubricant.
<i>Motor shaft</i>	after 1 st 5000 hrs.
<i>Fan shaft</i>	After first 1500 hrs.