

# Clarke®

## USE THE FOLLOWING GRADES OF SANDPAPER

RATING OF SANDPAPER	TYPE OF SANDING
GRIT 4 1/2 - 12 EXTRA COARSE	For removing surface coatings such as varnish, stain, wax polishes, etc., from old floors
GRIT 3 1/2 - 20 COARSE	For fast leveling of uneven floors. Do not use on an even new floor.
GRIT 2 - 36 MEDIUM	For first sanding of new wood floors. For second sanding of old wood floors.
GRIT 0 - 80 FINE	For final sanding of new or old wood floors. For first sanding of old cork or composition floors.
GRIT 2/0 - 120 EXTRA FINE	For final sanding of any floor where a very good finish is needed.



### READ THIS BOOK

This book has important information for the use and safe operation of this machine. Read this book carefully before starting the machine. Keep this book and tell all operators to read the book. If you do not follow the instructions, you can cause an injury, or damage equipment, furniture, or buildings.

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

For new books, write to Clarke, A McGraw-Edison Co., 2800 Estes Street, Muskegon, Michigan 49441.

### Instruction Book Models DU8 & Super 7 Sander & Edger

## 1 OPERATOR SAFETY INSTRUCTIONS



**ADVERTISSEMENT**



**WARNING**



**ADVERTENCIA**

For the safe operation of this machine, read and understand all warnings and cautions. Look for these symbols:



**WARNING:** If you do not follow the instructions in a WARNING, injury can occur to you or to other personnel.



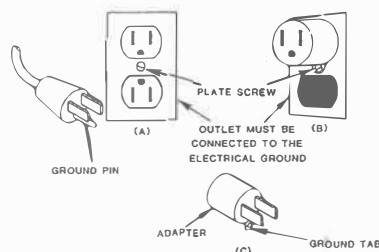
**CAUTION:** If you do not follow the instructions in a CAUTION, damage can occur to the machine.

1. You must have training in the operation of this machine before using it. READ THE INSTRUCTION BOOK.
2. Machines can cause flammable materials and vapors to burn. Do not use this machine with or near matches, fuels, grain dust, solvents, thinners, or other flammable materials.
3. To prevent a fire or explosion, follow these procedures:
  - a. Remove the contents of the dust bag when the efficiency of the vacuum system decreases.
  - b. Remove the contents of the dust bag each time you finish using the machine.
  - c. Do not put the contents of the dust bag into a fire.
  - d. Use a hammer and punch to set all nails so that the sanding disc will not touch the nails.
4. Do not operate this machine unless it is completely assembled.
5. Do not use this machine as a step or furniture.
6. To prevent electric shock, always remove the electrical plug from the electrical outlet before changing the sandpaper or doing any maintenance to this machine.
7. To prevent injury, always disconnect the electrical plug before changing the sandpaper, emptying the bag, or leaving the machine.
8. Maintenance and repairs must be done by authorized personnel only. Keep all fasteners tight. Keep adjustments according to specifications.
9. Keep the electrical parts of the machine dry. For storage, keep the machine in a building.
10. Always use a three-wire electrical system connected to the electrical ground.
11. To prevent damage to the power cord, do not let the sandpaper touch the power cord when the machine is running. Always lift the power cord over the machine.
12. Precaution should be taken during the use of a floor sanding machine to prevent formation of a combustible mixture of flyings and air. A floor sanding operation should be conducted only in a well-ventilated area.

## INSTRUCTIONS FOR CONNECTION TO THE POWER SUPPLY AND THE ELECTRICAL GROUND

This machine must be connected to the electrical ground to protect the operator from electric shock. The machine has an approved power cord with three conductors and a plug with three terminals. Connect the plug to a receptacle that has three holes and is connected to the electrical ground. The green (or green and yellow) conductor in the cord is the ground wire. Never connect this wire to any terminal other than the ground pin terminal.

This machine uses a 110 to 120 volt AC or DC electrical circuit. Make sure you have the correct frequency and voltage before connecting the power cord to an outlet. The machine has a plug as shown in Figure A. If a receptacle connected to the electrical ground as shown in Figure A is not available, use an adapter as shown in Figure C. This adapter must be connected as shown in Figure B to an electrical ground in the electrical outlet. Make sure you use the plate screw and the tab to fasten the adapter.



NOTE: DO NOT USE ADAPTERS SHOWN IN FIGURES B AND C IN CANADA.

FIG. A, B and C



**WARNING:** Always use this machine with a three-conductor electrical system connected to the electrical ground. Replace any worn, cut, or damaged cords. Replace any damaged plugs, receptacles, or connector bodies.



**WARNING:** Do not cut, remove, or break the ground terminal. Do not try to fit a three-terminal plug into a receptacle or connector body that does not fit the plug. If the receptacle or connector body does not fit the plug, see your Authorized Clarke Dealer to get an authorized person to make the connection.



**WARNING:** Do not move the machine over an electrical cord. Always lift the cord over the machine.

### EXTENSION CORDS

Use only an approved extension cord with three conductors, a plug with three terminals, and a connector body with three holes. This machine has a power cord with wire size 14 AWG (AWG means American Wire Gauge).



**WARNING:** If you use an extension cord, use an extension cord with minimum wire size 12 AWG. Do not use an extension cord longer than 50 feet. Do not join two extension cords.



**WARNING:** Make sure the electrical plug is disconnected before installing or changing the dust bag and sandpaper.

## MODEL DU8 FLOOR SANDER

### HOW TO PREPARE THE MACHINE FOR OPERATION

#### HOW TO INSTALL THE DUST BAG

Put the exhaust tube in position on the exhaust bracket. Put the opening in the bag around the neck of the exhaust tube and tighten the string.

#### VACUUM SYSTEM

Remove the dust from the dust bag when the efficiency of the vacuum system decreases. Remove the dust from the dust bag each time you finish using the machine.

If the vacuum system gets an obstruction, remove the three screws to remove the exhaust bracket. Remove the obstruction and install the exhaust bracket, exhaust tube, and dust bag. Remove the three screws to remove the intake shoe from the bottom of the machine. Remove the obstruction and install the intake shoe with 3/8 inch (1 cm) clearance.

#### HOW TO INSTALL THE SANDPAPER



Figure 1

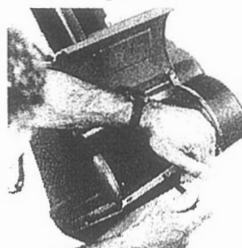


Figure 2

1. Tilt the machine back so that the handle is on the floor. Remove the electrical plug from the electrical outlet.
2. Move the ends of the sandpaper over the edge of a table. See figure 1. The ends must turn away from the abrasive side of the sandpaper.
3. Use the special key given with the machine to loosen the three screws in the clamp. The clamp must have approximately 3/8 inch (1 cm) clearance.
4. Put one end of the sandpaper under the clamp and turn the drum one complete revolution. Put the other end of the sandpaper under the clamp. Make sure the sandpaper is smooth and tight. See figure 2.
5. Use the special key to tighten the three screws in the clamp. See figure 2. Make sure the sandpaper is smooth and tight.

**NOTE:** If the sandpaper breaks while in use, stop the machine and remove the electrical plug from the electrical outlet. Remove any broken pieces of sandpaper from the vacuum system before installing a new piece of sandpaper.

## HOW TO OPERATE THE MACHINE

**CAUTION:** Make sure the switch is in the "OFF" (O) position before you connect the electrical plug.

1. Move the machine to the location of your work.
2. Connect the machine to the power supply. Read the section of this book called "Instructions for Connection to the Power Supply and the Electrical Ground."
3. Tilt the machine back so that the sanding drum does not touch the floor. Hold both of the handles. See figure 3.
4. To start the motor, put the switch in the "ON" position. See figure 4.
5. Move the machine forward slowly as you lower the sanding drum to the floor. Keep the machine moving while the sanding drum is on the floor. See figure 5. Make sure you raise the sanding drum before you stop the machine.
6. First move forward, then move backward.
7. Move in the direction of the grain when it is possible. If the floor is uneven, move the machine at an angle to the grain during the first pass.
8. Do not lift the back of the machine. The weight of the machine gives enough pressure for all types of sanding.

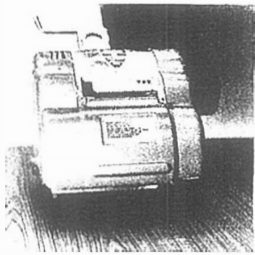


Figure 3

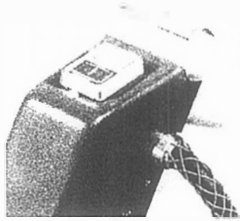


Figure 4



Figure 5

## MODEL SUPER 7 FLOOR EDGER

### HOW TO PREPARE THE MACHINE FOR OPERATION

#### HOW TO INSTALL THE DUST BAG

Use the special screw given with the machine to connect the bag support rod to the exhaust bracket. Put the bag over the support rod. Tighten the string on the bag around the neck of the exhaust bracket.

Remove the dust from the dust bag when the efficiency of the dust control system decreases. Remove the dust from the dust bag each time you finish using the machine. If the dust system gets an obstruction, remove the four screws to remove the exhaust bracket. Remove the obstruction and install the exhaust bracket and dust bag.

## HOW TO INSTALL THE SANDPAPER



Figure 6



Figure 7



Figure 8



Figure 9

1. Put the machine upside down.
2. Use the special wrench given with the machine to remove the screw and washer from the center of the sanding pad. See figure 6.
3. Remove the center from a sandpaper disc. Install the screw and washer in the center of the disc. Have the head of the screw on the abrasive side of the disc. See figure 7.
4. Install the sandpaper disc on the sanding pad, and use the special wrench to tighten the screw to hold the disc in position. See figure 8.

**NOTE:** Use a sandpaper disc that has a 7 inch (18 cm) diameter and a 7/8 inch (2.2 cm) hole in the center.

## HOW TO OPERATE THE MACHINE

**CAUTION:** Make sure the switch is in the "OFF" position before you connect the electrical plug.

1. Move the machine to the location of your work.
2. Connect the machine to the power supply. Read the section of this book called "Instructions for Connection to the Power Supply and the Electrical Ground."
3. Tilt the machine back so that the sandpaper disc does not touch the floor. Hold both of the handles.
4. To start the motor, put the switch in the "ON" position.
5. Keep the machine moving as you lower the sandpaper disc to the floor surface. See figure 9.
6. Do not press down on the machine. The weight of the machine gives enough pressure for all types of sanding.

ASK FOR FURTHER DETAILS



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