20" BUFFERS

KF-205U (600 RPM)
KF-205UA (600 RPM)
KF-205H (1000 RPM)
KF-205HA (1000 RPM)

OPERATING & MAINTENANCE INSTRUCTIONS

ILLUSTRATED PARTS LIST

October 1983

THE KENT COMPANY
P.O. Box 1665
2310 Industrial Parkway
Elkhart, IN 46514  (219)293-8661
Western Branch: 9865 South Pioneer Blvd.
Santa Fe Springs, CA 90670  (213)949-9351
GENERAL INFORMATION

BEFORE YOU PLUG IN YOUR FLOOR MACHINE, check the voltage rating plate located on the back of the switch box cover below the handle grips to check if it agrees within 10% of the voltage available (See “Rating Plate.”) Connect only to a grounded (3-wire) electrical outlet (See “Grounding Instructions”)

DO NOT OIL. The motor in your floor machine is permanently lubricated and sealed. Do not oil the motor at any time.

IMPORTANT SAFEGUARDS

Accidents due to misuse can only be prevented by those using the machine. To guard against injury, basic safety precautions should be observed, including the following:

Read and follow all safety instructions.

This machine is designed to be safe when used to perform the functions specified in the Owner’s Guide. Should damage occur to electrical or mechanical parts, the machine should be repaired by manufacturer or competent service station before using in order to avoid further damage to machine or physical injury to user.

Safety Recommendations: Be Safe — Avoid Hazards

- Your floor machine is equipped with a safety switch-lock and power switch triggers designed for your safety. Do not attempt to bypass or defeat the safety switch-lock. Never use any device to lock the power switch triggers in the ON position.

- A damaged power cord could cause electrical shock and/or fire. To minimize this possibility observe the following precautions:
  - Use care to keep electrical supply cord from contacting the rotating brush or drive block.
  - Avoid closing doors on power cord, pulling it around sharp edges, or placing sharp-edged objects upon it.
  - Wind cord no tighter than is necessary to retain it during storage. Refer to Owner’s Guide.
  - When disconnecting power cord from electrical outlet, grasp the plug. Pulling it out by the cord itself can damage cord insulation and internal connections to plug. Also, avoid damage to insulation by keeping cord away from oil and heat.

- To avoid hazardous conditions, do not use your machine in areas where flammable and/or explosive vapors or dust are present.

- Always disconnect the floor machine from electrical outlet before servicing machine, such as changing brushes, pads, etc.

- Your floor machine is not a toy. Do not allow children or unauthorized personnel to play with unit. Do not leave floor machine connected to an electrical outlet and left unattended.

- Connect only to a grounded (3-wire) electrical outlet.

- Warning — To avoid electrical shock, use indoors only.

- Warning — This machine is designed for high speed buffing only. It cannot be used for scrubbing, or shampooing.

SAVE THESE INSTRUCTIONS
This floor finishing machine should be grounded while in use to protect the operator from electric shock. The machine is equipped with a 3 conductor cord and a 2 prong grounding type attachment plug cap to fit the proper grounding type receptacle. The green (or green & yellow) conductor in the cord is the grounding wire. Never connect this wire to other than the grounding blade.

FLOOR FINISHING MACHINES RATED LESS THAN 150 VOLTS — If the floor finishing machine is provided with an attachment plug cap as shown in Figure A, it is intended for use on a 120 Volt (nominal) circuit. If a properly grounded receptacle as shown in Figure A is not available, an adapter as shown in Det. C is available and should be installed as shown in Figure B if the outlet box that houses the receptacle is grounded. Be sure to fasten the grounding tab with the faceplate screw.

FLOOR FINISHING MACHINES RATED 150 - 250 VOLTS — If the machine is provided with an attachment plug cap as shown in Figure D, it is intended for use on a 240 Volt (nominal) circuit. No adapter is available for this cap.

SERVICE INFORMATION
To obtain consistent performance over the life of your floor machine, read through these instructions and keep them handy for future reference. If you require service, contact the dealer from whom the floor machine was purchased, or the authorized Kent Service Agency. Always refer to your Kent Limited Warranty for complete service information.

MODEL SERIAL
CYCLE PHASE
VOLTS 115
BR. MOTOR OTHER MOTOR
AMP AMP
H.P. H.P.

THE KENT COMPANY
ELKHART, INDIANA
MADE IN U.S.A.

HOW TO USE YOUR FLOOR MACHINE
Your floor machine is packed completely assembled and ready for use after you install the drive block. (Pads are not provided with the unit but are available at additional cost.)

When ordering pads or drive blocks, remember that the block diameter is always two inches smaller than the pad diameter. Refer to the following chart and specify either brush or block diameter when ordering:

<table>
<thead>
<tr>
<th>MACHINE SIZE</th>
<th>PAD DIAMETER</th>
<th>BLOCK DIAMETER</th>
</tr>
</thead>
<tbody>
<tr>
<td>20&quot;</td>
<td>20&quot;</td>
<td>18&quot;</td>
</tr>
</tbody>
</table>
How To Use Your Floor Machine . . . continued

Handle Adjustment

The handle of your floor machine can be adjusted to any comfortable work position. Simply pull upward on the handle locking device located on the lower handle shaft to release the lock. Then adjust the handle to the desired position and push down firmly on the handle locking device to lock handle in position.

The proper handle position adjustment will greatly improve the handling ability of the machine. Adjust the handle to a position where you can control the machine easily and comfortably. You will want to experiment with the handle position to fin the handle height at which the unit operates best for you.

NOTE — Always lower handle to operating position before turning the machine on.

On/Off Power Switch Triggers

The ON/OFF switch is conveniently located in the form of dual triggers underneath the handle grips.

To Turn Machine On

Handle should be lowered to operating position before turning machine on. Place both
Place both hands firmly on handle grips with fingers around power triggers. Do not apply pressure on triggers before safety switch-lock is disengaged.

Disengage safety switch-lock by pushing it away from you with one thumb. Then, while holding safety switch-lock in disengaged position, squeeze the power triggers toward the handle grips and return thumb to handle grip.

To stop machine, simply release triggers. Safety switch-lock will automatically return to engaged position.

Circuit Breaker

If the machine becomes overloaded, it will turn off automatically. It is recommended that the cause of overloading the machine be determined before restarting. To restart, wait one minute after machine shuts off then press reset button located on the side of the switch box.
DRIVE BELT ADJUSTMENT
When drive belt adjustment is necessary:

1. Loosen the 4 nuts securing the drive motor to the frame.

2. Adjust belt tension screw by evenly turning clockwise the two screws at the rear of the frame one turn.

3. Test machine with pad and pad holder. If belt slips, adjust further. If belt does not slip, tighten motor screws.

Storage
Store machine by tilting back so that all four wheels rest on floor. This elevates the drive block so that it need not be removed between uses. Detachable supply cord may be coiled and stored separately or with machine.

GUIDELINE FOR OPERATION  (600 RPM & 1000 RPM MACHINES)
Your floor machine is a very sensitive, powerful unit. When in operation, it should be guided gradually and smoothly without sudden or rough motions. You will want to practice with your machine on a smooth surface first until you have experience in operating it.

Always adjust the handle to a height that is comfortable for your operation. (See “Handle Adjustment”).

Do not use this floor machine for purposes other than buffing. The pad assembly revolves too quickly for scrubbing or shampooing. After being used, your floor machine can be wiped clean with a soft, damp cloth and should be stored in a clean, dry place. Do not allow machine to rest on pad for an extended period of time. The pad could take a set and cause the machine to vibrate excessively.

MODEL KF-205U (600 RPM MACHINE), ALSO KF-205UA (600 RPM MACHINE)
BEGIN OPERATING THE FLOOR MACHINE WITH THE BRUSH OR PAD SURFACE LEVEL, BALANCED, AND FLAT ON THE FLOOR.

Before operating the floor machine, adjust handle to lowest comfortable operating position and lock handle cam. Tilt handle down slightly and start motor. If floor machine tends to go to the left at once, stop motor and adjust caster assemblies downward, turning socket head cap screws clockwise. Restart motor and check setting again - correct caster adjustment and lowest motor operating load (amperes input) is when the operator can support handle slightly and machine will move to either side, a slight “down” movement of handle makes machine move left or a slight “up” movement of handle makes machine move to the right. Some adjustments may periodically be necessary when changing pads due to slight thickness variations. CAUTION - Do not allow machine to rest on pad for extensive periods because this causes a set in pad resulting in wobble during operations. Place machine in storage position resting on all four wheels.

MODEL KF-205H (1000 RPM MACHINE), ALSO KF-205HA (1000 RPM MACHINE)
BEGIN OPERATING THE FLOOR MACHINE WITH PAD SURFACE LEVEL AND FLAT ON THE FLOOR.

The weight of the machine remains on the rear wheels during operation. Do not attempt to guide the machine from left to right as is done with other floor machines. Move the machine forward at an even, continuous rate. If the machine is held in one spot too long, the high speed of the pad may damage the floor’s shine.
THE KENT LIMITED WARRANTY

Your Kent Equipment, which has been manufactured, tested and inspected in accordance with carefully specified engineering requirements, is warranted to be free from defects in material and workmanship.

This warranty is, however, subject to the following qualifications, conditions, and limitations which are set forth to provide you and all users of the Kent Equipment with information concerning the duration, extent, availability, and applicability of this Kent Limited Warranty, the procedure to be taken to obtain its performance, and other information concerning the Kent Warranty policy.

DURATION OF WARRANTY AND TO WHOM EXTENDED

This warranty extends for a period of one year from the date of the original purchase of the Kent Equipment by the original purchaser.

PARTS OF KENT EQUIPMENT NOT COVERED BY WARRANTY

Certain parts of Kent Equipment require replacement in the ordinary course of use due to normal wear by reason of their characteristics. These are normal wear items such as cords, gaskets, switches, bumpers, carbon brushes, handle grips, bags, hoses, bearings, etc.

EXCEPTIONS AND EXCLUSIONS FROM WARRANTY

This equipment is required to be used on electric current as indicated on the name plate. Otherwise damage, defects, malfunctions or other failures of the equipment arising from use on electric current not as indicated are excepted and excluded from this warranty.

Defects, malfunctions, failure or damage of the equipment caused by improper, unreasonable or negligent use or abuse while in the possession of the purchaser are likewise excluded from this warranty.

If repair is done on your equipment by anyone other than those below designated as authorized to perform such work without first having obtained factory instructions, The Kent Company, at its sole option, may determine that this warranty will not apply and that reimbursement for such repair will not be made because of the failure to comply with such factory specified instructions.

FIVE YEAR POLY COMPONENT WARRANTY

Your Kent rotational molded polyethylene parts have been manufactured, tested and inspected in accordance with carefully specified engineering requirements and are warranted to be free from defects in material and workmanship.

This warranty extends for a period of five (5) years from the date of the original purchase of the Kent equipment by the original purchaser.

This warranty will not cover damage attributable to the following:
1. Improper, unreasonable or negligent use or abuse of the equipment.
2. Use of the equipment with hot water or high temperatures above 130°F Fahrenheit (54°C Centigrade).
3. "Warpage", "creepage" or "distortion" of parts so long as the same does not interfere with normal operation.
4. Abrasions or punctures of the equipment.

PROCEDURE TO BE TAKEN TO OBTAIN PERFORMANCE OF WARRANTY

REPAIR

To secure repair of the equipment or any warranted parts under this warranty, the following procedure should be taken.

The inoperative equipment or warranted parts, together with satisfactory evidence of the purchase date, must be delivered, with shipping and delivery charges prepaid, to one of the following:
1. The Dealer from whom purchased;
2. Any Kent distributor's Service Department in the United States;
3. Any Kent Authorized Service Station in the United States.

If you are unable to locate any of the foregoing, you may write or otherwise communicate with The Kent Company, Division of Dometic Incorporated, for instructions before repair service is performed by anyone else. In such event, The Kent Company will provide either the location of a closely available Kent distributor Service Department or Kent Authorized Service Station or other factory instructions.

Upon compliance with the above procedure, all warranted defects will be repaired, at no additional charge or costs to the customer, and the repaired product returned to the customer, with all shipping and delivery charges prepaid.

In following the procedures above set forth, PLEASE MAKE CERTAIN to state the Kent model, type and serial number as shown on the name plate of the equipment.

REPLACEMENT

In the event of a defect, malfunction or failure of your Kent Equipment or any warranted part to conform with this warranty, The Kent Company may, at its sole option and own expense, replace the equipment or any warranted part with another new identical or reasonably equivalent model or part in lieu of repairing the defect.

NO REFUND OF PURCHASE PRICE

The Kent Company will not, as a matter of its warranty policy, refund the customer's purchase price.

WARRANTY REGISTRATION CARD FOR YOUR KENT EQUIPMENT AND REQUESTS FOR INFORMATION

Your Kent Company Distributor from whom you purchased your equipment is responsible for the registration of your warranty with the factory. We ask that you cooperate with your Distributor in supplying the necessary information on the warranty card so that we may better serve you.

Any information or questions you may have concerning your Kent Equipment or this warranty may likewise be secured from the factory.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

THE KENT COMPANY - P.O. BOX 1665 - ELKHART, INDIANA 46515