

Powr-Flite®

COMMERCIAL FLOOR CARE EQUIPMENT

Operator's Manual

Model P1500
1500 RPM
Burnisher



Powr-Flite®
COMMERCIAL FLOOR CARE EQUIPMENT

A Tacony Company
Fort Worth, Texas 76140

U.S. Patent Number 4,845,798
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U.S. Patent Number 296,252

Your new Powr-Flite® Ultra High Speed Burnisher will afford you many years of trouble-free operating satisfaction provided it is given proper care. Prior to packaging your Powr-Flite® Ultra High Speed Burnisher was inspected by a Quality Control Technician.

UNCRATING

Your **Powr-Flite®** Ultra High Speed Burnisher was protectively packed to prevent damage in shipment. We suggest that upon removing the unit from its carton, you carefully inspect it for any possible damage in transit. If damage is discovered, immediately notify the transportation company who delivered your machine. As a manufacturer, we are unable to act upon any claim for concealed damage; you must originate the claim.

IMPORTANT SAFEGUARDS

This machine is designed to be safe when used to perform the functions specified in this Operator's Manual. Should damage occur to electrical or mechanical parts, the machine should be repaired by the manufacturer or competent service station before using in order to avoid further damage to the machine or physical injury to user. Your floor machine is equipped with a safety switch lockout device designed for your safety. Do not attempt to bypass or defeat the safety lockout device. Never use any device to lock the power switch triggers in the ON position.

WARNINGS

READ THIS OPERATOR'S MANUAL!

WARNING: You must have training in the operation of this machine before using it.

WARNING: Machines can burn flammable materials and vapors. Do not use this machine with or near fuels, grain dust, solvents, thinners or other flammable materials.

WARNING: Do not operate this machine unless it is completely assembled.

WARNING: Do not use this machine as a step or to move furniture.

WARNING: When disconnecting power cord from electrical outlet, grasp the plug. Pulling it out by the cord itself can damage cord insulation and internal connection to plug. To prevent electric shock, always remove the electrical plug from the electrical outlet before doing any repairs or maintenance to this machine.

WARNING: To prevent injury, always remove the electrical plug from the electrical outlet before changing the polishing pad and before leaving the machine.

WARNING: To prevent injury, keep hands, feet and loose clothing away from the rotating pad.

WARNING: Maintenance and repairs must be done by authorized personnel only.

WARNING: Keep all fasteners tight. Keep adjustments according to specifications.

WARNING: Keep the electrical parts of the machine dry. For storage, keep the machine in a building.

WARNING: Always use a three-wire electrical system connected to the electrical ground. For maximum protection against electric shock, use a circuit that is protected by a ground fault circuit interrupter. Consult with your electrical contractor.

WARNING: To prevent damage to the power cord, do not let the

pad, pad driver or wheels touch the power cord when the machine is running. Always lift the power cord over the machine.

WARNING: Make sure all labels, decals, warnings, cautions and instructions are fastened to the machine.

INSTRUCTIONS FOR P1500

Application

The P1500 Ultra High Speed Burnisher is used to achieve and/or maintain a high gloss appearance on an established floor finish. The high pad revolution of the floor burnisher combined with a good polishing pad will turn properly established cleaned floor finish into a high gloss, hardened finish known as the "wet look" shine. The pads recommended with the P1500 are the **Powr-HD** beige or white synthetic pads or the natural hogs hair blended pads.

Preparation of Surface

Before each use of this machine, the floor must be dust mopped with a treated mop and if necessary clean the floor with a damp mop, using a solution of water and neutral cleaner, such as **Powr-Kare®**.

PREPARE THE MACHINE FOR OPERATION

WARNING: To prevent injury, always remove the electrical plug from the electrical outlet before changing the polishing pad and before leaving the machine.

- With the handle locked, tip the machine back until the handle is lying flat on the floor.
- To remove the pad center grip on the pad driver, place your thumb on one tab and your forefinger under the other tab. Push with your thumb and pull with your forefinger to remove collar of the center grip. **See picture #1 (at right).**
- Place a clean or new 20" buffing pad (such as **Powr-HD beige UHS buffing, hoghair blend, or white polishing pads**) over the alignment ring on the pad holder. **See picture #2 (at right).**
- Push the collar onto the pad center grip to hold the pad in place.
- Step back and lift the burnisher to the upright position.

NOTE: The pad level adjustment control is preset at the factory in the raised position. Do not adjust the pad level unless the pad you are using is thin or worn (1/2" or less).

• Connect the power cord into a grounded, 3-wire outlet.

• Unlock the handle cam release lever (**See picture #3 at right**) and bring handle to a comfortable operating position. Waist high position allows best performance. Lock the cam lever release into position.

NOTE: The hardened steel cam release lever does not require extreme tightening to effectively hold the handle in position. Over-tightening will shorten the functional life of the lever. **See picture # 3 (below left).**



Picture #1



Picture #2



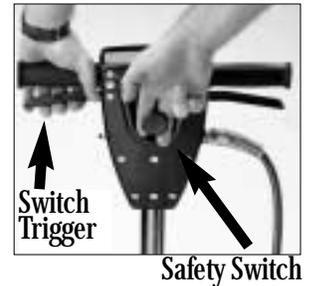
Picture #3



Picture #4

HOW TO OPERATE THE MACHINE

First install the pad driver and pad, brush or other attachments to be used. Plug the machine in as directed and lower the handle to the desired operating height and lock in place using the cam lever handle. Pull the safety switch out and squeeze the switch triggers beneath the handle grips. This activates the motor and starts the block, brush or attachment in operation. Each time you release the triggers the safety switch will reset. You will need to follow the direction above to restart the machine. **CAUTION:** *When leaving the machine unattended, disconnect the wall plug and return the handle to the "locked" upright position to prevent accidental starting.*



NOTE: *Burnisher will pull to the right on start up because of the torque generated by the immediate 1500 RPM revolution of the pad.*

- Push the machine forward in a straight line, at a slow walking speed. Overlap each pass by about 1 inch (25 mm).

AFTER USING THE MACHINE

- Upon completion, dust mop with treated mop to pick up all burnishing residue.
- The condition of the floor pad has direct affect on the performance of your burnisher. When the pad becomes dirty, turn it over and use the other side. When finished, wash the pad out and allow it to dry completely before using again.
- Unplug the power cord and wrap it under the cord hook and over the right handle grip.
- Tip the machine back and remove floor pad.
- Wipe off the machine housing and the cord. This will prevent build-up of unnecessary residue.

TRANSPORTING THE P1500

Use the rear wheels for transporting the P1500. This will insure that the operating wheels remain clean and smooth for use on clean floor surfaces.

See picture # 4 (below left).

MAINTENANCE FOR THE P1500

- Once a month, remove the motor cover of the unplugged P1500 by pulling evenly, but firmly, with both hands until cover is removed.
- Vacuum out any dust or debris which has accumulated in the motor.
- Replace motor cover by setting it over holes in housing and firmly pushing down.
- Check and maintain tightness of all fasteners.
- Keep the burnisher clean, especially at the handle tube and collar so the handle tube will move freely through the collar.
- Inspect cord and plug for cuts, gashes or loose prongs; replace as needed.
- The length of the carbon brushes should be inspected annually. If they are no longer extended past the holder window $\frac{3}{8}$ ", they should be replaced.
- Replacement of carbon brushes should be done only by a qualified service technician.
- Disassembly of this motor voids the warranty.
- Improper disassembly and assembly of this motor can permanently damage the armature.

WARNING: Do not over-tighten switch housing screws.

TROUBLESHOOTING

Burnisher tends to move to the right.

- Do not lift up on handle while operating the burnisher.
- Do not operate with handle set too high. Recommended handle height is from your waist with your arms extended forward.

Burnisher tends to move to the left.

- Pad level adjustment is too low. Turn the pad level adjustment control knob counterclockwise until it can no longer turn.
- The pad level adjustment control is designed to establish greater surface contact when pads wear thin or if pads are less than one inch thick.

Burnisher does not run.

- Circuit breaker has tripped. Allow circuit breaker to cool two minutes before resetting.

Prevent circuit overload.

- Check and adjust pad level control to counter-clockwise position.
- Check pad and change if dirty or rough.
- Check area being burnished for cleanliness, area should be damp mopped, scrubbed or swept with treated broom.
- Operator should not continually force the machine with handle pressure.
- Operator should not try to operate burnisher in a side-to-side motion.
- Eliminate any extension cord that is smaller than 12/3 wire or greater than 25 feet in length.
- Unplug anything else on the circuit or locate another circuit.

Burnisher will not start.

- Circuit breaker is not reset. Reset breaker.
- Plug is broken or has loose contact. Replace.
- Circuit breaker is defective or weak. Replace.
- Switch is defective. Replace switch.
- Rectifier is defective. Replace.

GROUNDING INSTRUCTIONS

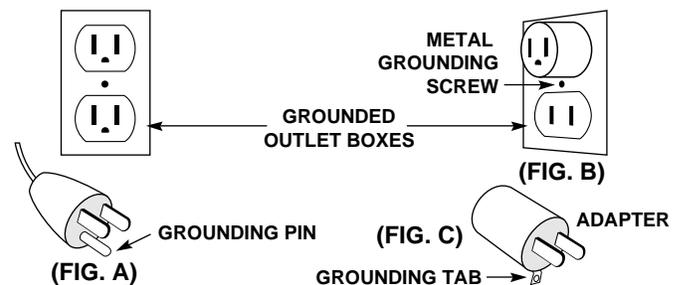
This Floor machine is intended for use on a nominal 120 volt circuit, and has a grounded plug that looks like the plug illustrated in **(FIG. A)**. A temporary adapter that looks like the adapter illustrated in **(FIG. B & C)** may be used to connect the plug to a 2-pole receptacle as shown in **(FIG. B)** if a properly grounded outlet is not available.

The temporary adapter should be used only until a properly grounded outlet **(FIG. A)** can be installed by a qualified electrician. The green color rigid ear, lug, or the like, extending from the adapter must be connected to a permanent ground such as properly grounded outlet box cover. Whenever the adapter is used, it must be held in place with a metal screw.

WARNING: Improper connection of equipment-grounding conductor can result in a risk of electrical shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded.

DO NOT modify the plug provided with this appliance. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.

NOTE: *In Canada, the use of a temporary adapter is not permitted by the Canadian Electrical Code.*



ONE LAST REMINDER! READ ALL INSTRUCTIONS, WARNINGS AND CAUTIONS BEFORE USING EQUIPMENT.

These guidelines are presented for your protection and convenience. Please read them carefully, since a failure to heed these precautions could result in discomfort or injury. When using an electrical appliance, basic safety precautions should always be followed.

WARNING!

TO AVOID FIRE, DO NOT USE WITH A FLAMMABLE OR COMBUSTIBLE LIQUID TO CLEAN FLOOR.

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