INSPECTION
Carefully unpack and inspect your machine for shipping damage. Each unit is operated and thoroughly inspected before shipment, and any damage is the responsibility of the delivering carrier who should be notified immediately.

ELECTRICAL
This rotary polisher is designed to operate on a standard 15 amp, 115 volt, 60 hz, AC household current. Check that the voltage shown on the serial number plate is suitable for the supply available. Voltages below 105 volts or above 125 volts could cause damage to the motor.

WARNING: To avoid electric shock do not expose to rain. Store indoors.

GROUNDING INSTRUCTIONS
To protect the operator from electrical shock, this machine must be grounded while in use. The machine is equipped with an approved, three-prong grounding type plug to fit the proper grounding type receptacle.

EXTENSION CORD
If an extension cord is used, the wire size must be at least one size larger than the power cord from the machine and should be limited to 50 feet in length. Extension cord must be three-wire grounded.

OPERATION
1. Plug machine into the power supply and check that the red indicator light (located on top of switch housing) is on.
2. You will notice four control levers located at the top of the handle. The two smaller ones directly beneath the handle grips control the on/off switches. From the operator's position, the longer lever on the left of the housing is used with the optional solution tank assembly. The longer lever on the right is used for adjusting/locking the handle.

3. With the handle in the upright position, tilt the machine back on its wheels until the handle is resting on the floor, exposing the drive pulley.

4. The pad driver or brush can be placed on drive pulley and will be locked in place by turning the brush to the left. To remove brush, reverse direction.

5. With the pad driver and pad or brush properly installed, return the machine to the upright position. CAUTION: To prevent damage to the pad driver or brush, remove the accessory from the machine while not in use.

6. Pull up on the adjusting lever and lower the handle of the machine (keeping the pad driver or brush flat on the floor) to a comfortable working height. Release adjusting lever to lock handle in place.

NOTE: A safety switch inside the handle will not allow machine to run until handle is lowered to the operating position.

7. The machine can now be started. With the pad or brush flat on the floor the machine will run in a stationary position. The speed at which the machine moves either left or right depends upon the degree to which the handle is raised or lowered.

To move to the right, slightly raise the handle and the machine will move to the right. To move to the left, slightly lower the handle and the machine will move to the left. CAUTION: If you feel that you are no longer in control of the machine, release the switch levers and the machine will stop.

To master the handling of the machine we suggest you practice these exercises for a short while.

8. The floor polisher is equipped with a circuit breaker. The action of the circuit breaker is entirely dependent upon the loading of the brush drive motor and will only trip under excessive overload conditions. If the circuit breaker should trip, it can be reset after 20 seconds by pressing the red button at the side of the motor housing.

NOTE: The operator should correct the cause of overloading before proceeding. The most common cause is an excessively soiled pad which should be turned over, cleaned or replaced. CAUTION: On some applications this machine will be operated on wet, slippery floor surfaces. Use caution when operating the machine under these conditions.

MAINTENANCE
Motor: The motor is totally enclosed, capacitor start, capacitor run with circuit breaker protection. All ball bearings are sealed and have enough lubricant for the life of the machine.

Remove motor cover occasionally and blow dust and lint from motor housing.

Belt Adjustment: Remove bottom shroud. Loosen nuts on motor mounting studs three or four turns. Release tension on belt tension spring.

Install new belt and readjust belt tension.

MOTOR MOUNTING AND BELT TENSION ADJUSTMENTS

ACCESSORIES
These different attachments are available for the Floor Maintainer:

1. Single and twin bottle dispenser assembly
2. 3 gallon solution tank assembly
3. Ny-Glide carpet shampoo brush
4. Clutch plate kit For use on brushes with 5" diameter center hole
5. Splash skirt Use when stripping hard surface floors

SERVICING
A full service inspection involves the inspection and testing of all items which affect operator safety, items which may require adjustment from time to time and items subject to wear which may require replacement in order to prevent a breakdown.

Go through the check list in the order shown:

A. Mechanical Inspection
1. Check wiring and drive enclosures for cracks or damage

(continued on back page)
**GENERAL**

<table>
<thead>
<tr>
<th>SYMPTOM</th>
<th>FAULT</th>
<th>REMEDY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red light will not come on or go out when trying to start</td>
<td>Not plugged in, not switched on</td>
<td>Plug in and switch on.</td>
</tr>
<tr>
<td>Red light on will not start</td>
<td>Faulty plug connections, fuse blown or wrong fuse fitted.</td>
<td>Open plug and inspect connections &amp; cable re-straint — fit a new fuse.</td>
</tr>
<tr>
<td></td>
<td>Faulty supply cable</td>
<td>Check by substitution,</td>
</tr>
<tr>
<td></td>
<td>Wrong supply voltage</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Handle not in operating position</td>
<td>Lower handle</td>
</tr>
<tr>
<td>Poor start/run trips, circuit breaker or blows fuses</td>
<td>Handle assembly not plugged into motor.</td>
<td>Plug handle assembly into motor.</td>
</tr>
<tr>
<td>Machine <strong>wobbles</strong> in use</td>
<td>Circuit breaker tripped motor overloaded.</td>
<td>Press red button to reset circuit breaker — wash or replace floor pad.</td>
</tr>
<tr>
<td></td>
<td>Wrong supply voltage</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Floor pad worn/not centered.</td>
<td>Check floor pad for uneven wear — center on the drive plate.</td>
</tr>
</tbody>
</table>

**TROUBLE SHOOTING BELT DRIVE TRAIN**

<table>
<thead>
<tr>
<th>SYMPTOM</th>
<th>FAULT</th>
<th>TEST</th>
<th>REMEDY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor runs, belt slip, neo/good drive, squeaks on start, premature belt wear</td>
<td>Belt tip slack</td>
<td>Stall test machine with drive board glued or screwed to floor</td>
<td>Adjust belt tension correctly.</td>
</tr>
<tr>
<td></td>
<td>Belt worn or broken</td>
<td>Inspection</td>
<td>Check pulley alignment before fitting new belt.</td>
</tr>
<tr>
<td></td>
<td>Motor slide seized</td>
<td></td>
<td>Ensure free movement in guide slots over full length.</td>
</tr>
<tr>
<td></td>
<td>Polished/grassy drive pulley.</td>
<td>Polished/grassy drive pulley.</td>
<td>Remove grease with solvent — empty pulley surface.</td>
</tr>
<tr>
<td>Belt runs off</td>
<td>Pulleys out of alignment — belt tension too high</td>
<td>Check pulley alignment</td>
<td>Re-align pulleys, refit drive belt, do not over tension.</td>
</tr>
<tr>
<td>High amps, tripping, blows fuses</td>
<td>Seized or stiff pulley bearings</td>
<td>Turn drive by hand — run motor with belt removed</td>
<td>Replace bearings</td>
</tr>
<tr>
<td>Noisy or <strong>clicking</strong> drive pulley</td>
<td>Bearings or housings worn</td>
<td>Inspection</td>
<td>Replace — CAUTION. The bearings are shrink fitted, heat the pulley before re-assembly.</td>
</tr>
</tbody>
</table>

**WINDSOR LIMITED WARRANTY**

WINDSOR warrants to the original purchaser/user for a period of one year from date of purchase that this Rotary Floor Machine is free from defects in workmanship and materials, under normal use and service, and when operated and maintained in accordance with Windsor’s service and operating instructions. This warranty does not apply to normal wear items such as electrical cable, relays, capacitors, rubber parts and switches. During this one year period Windsor will replace or repair defective parts covered by this warranty when the machine is delivered either to the factory, Englewood, Colorado or to an Authorized Windsor Service Center. Transportation costs are to be prepaid by the original purchaser/user.

**EXTENDED WARRANTY:**

In addition to the above warranty, the following will apply:

1. In the event of failure from normal usage during the useful life of the machine the main "on/off" switch located in the machine handle switch housing, WINDSOR will replace or repair such switch free of cost, except for labor and transportation charges which must be borne by the original purchaser.

2. For a period of three years after purchase WINDSOR will, without charge, replace or repair any motor that fails as a result of defects during normal service and usage, except for normal wear items as described above and for transportation charges to and from the Windsor factory which must be prepaid by the original purchaser.

This warranty is in lieu of all other warranties expressed or implied, and releases WINDSOR from all other obligations and liabilities. It is applicable only in the U.S.A. and Canada, and is extended only to the original user/purchaser of this product.

WINDSOR is not responsible for costs for repairs performed by other persons unless they have been specifically authorized in advance and in writing by WINDSOR. This warranty does not apply to damage from transportation alterations by unauthorized persons misuse or abuse of the equipment use of noncompatible chemicals or damage or loss of income due to malfunctioning of the product.

**WIRING DIAGRAM**

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