**Electrical**

The Model PV5 Wet/Dry Vacuum Cleaner operates on standard 15 amp, 120 volt, household current 220 volt option available. Voltages below 105 volts, or above 125 volts, will cause potentially serious damage to the vac motors.

Thirty-five feet of 16/3 STJO cable with a 3-prong plug is the power connection to the machine.

This system has 3 main units:
1. Cabinet assembly with vacuum motors, and attached electrical cable.
2. Dome and perk/filter chamber and cage.
3. Waste bucket.

Carefully unpack and inspect all components for shipping damage. If you discover any damage, notify the delivering carrier immediately. Your machine was tested and inspected thoroughly before shipment, and damage is the responsibility of the carrier.

**Operation**

Attach vacuum hose between the wand and floor tool and the machine.

**For Dry Pickup**

The waste bucket **MUST** have at least 5 gallons of water in it before dry pickup is started, and the perk/filter chamber and cage must be in place.

**For Wet Pickup**

Wet pickup should be done with the perk/filter chamber and cage in place.

Insert electrical plug into 115 volt, 15 amp outlet. Make sure the dome is in place and sealed. You may be working on wet carpet or wet floors, so make sure the machine is properly grounded.

To prevent an overloaded circuit, do not operate on the same circuit with other appliances. Turn power switch ON.

**Warning:** When using for wet pickup an overflow of water or dirt into the vacuum motors can cause them to fail. Constantly monitor the level of waste water in the recovery bucket. When about 2/3rds full, shut off the machine, remove the dome, take out bucket and empty. Keep the exterior of the bucket dry so no moisture gets into the vacuum chamber. Replace the bucket, center and seal the dome and continue cleaning.

Do not use to pick up volatile materials or dry chemicals. Do not expose the unit to rain. Always store it indoors.

Do not tip over the machine. Always operate with vacuum hose clipped by rope to the machine.

**After Cleaning**

Empty the waste water bucket and rinse it thoroughly. Wipe out tank. Wipe off machine and wand with a damp cloth. Clean lint from the two air screens inside the vacuum chamber before each use.

**Maintenance**

Periodically inspect the surfaces, hoses, cable, filters and connections on your machine. All surfaces should be clean to minimize abrasion damage. Use only soap and water for cleaning your machine. Do not walk on hoses. Keep them clean and unknotted. Frayed spots on hoses should be covered and end connectors kept snug. Because the electrical cable will lie on wet carpet or floors at times, the cable must be well insulated and cable connector screws should be tight. Do not walk on the cable or run machinery over it. If the cable insulation is broken or frayed, repair or replace it immediately. Don’t take chances with an electrical fire or shock.

If necessary, the plastic perk/filter chamber can be removed for cleaning by releasing the rod that holds it in place. When replacing the chamber be sure rubber gasket in dome elbow is in place.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>No power to machine</td>
<td>Dead electrical circuit</td>
<td>Check building circuit breaker or fuse box.</td>
</tr>
<tr>
<td></td>
<td>Power switch failure</td>
<td>Replace</td>
</tr>
<tr>
<td></td>
<td>Faulty electrical cable</td>
<td>Replace</td>
</tr>
<tr>
<td></td>
<td>Equipment not grounded</td>
<td>Ground prong on plug broken off. Never operate machine with grounding prong removed.</td>
</tr>
<tr>
<td>Motor speed varies or doesn’t run</td>
<td>Motor brushes worn.</td>
<td>Replace.</td>
</tr>
<tr>
<td>Loss of vacuum</td>
<td>Loose vacuum dome.</td>
<td>Replace.</td>
</tr>
<tr>
<td></td>
<td>Clogged water chamber.</td>
<td>Replace.</td>
</tr>
<tr>
<td></td>
<td>Crack in dome or defective glue joint</td>
<td>Replace.</td>
</tr>
<tr>
<td></td>
<td>Lint or dirt clogging vacuum screen.</td>
<td>Replace.</td>
</tr>
<tr>
<td></td>
<td>Loose cuffs on vacuum hose</td>
<td>Replace.</td>
</tr>
<tr>
<td></td>
<td>Vacuum motor seals leaking</td>
<td>Replace.</td>
</tr>
<tr>
<td></td>
<td>Floor tool vacuum chamber plugged.</td>
<td>Replace.</td>
</tr>
<tr>
<td></td>
<td>Broken vac hose.</td>
<td>Replace.</td>
</tr>
<tr>
<td></td>
<td>Damaged dome gasket.</td>
<td>Replace.</td>
</tr>
<tr>
<td></td>
<td>Worn out vac motor.</td>
<td>Replace.</td>
</tr>
</tbody>
</table>

**Limited Warranty**

WINDSOR warrants to the original purchaser/payer that this product is free from defects in workmanship and materials under normal use and service for a period of one year from date of purchase. WINDSOR, at its option, repair or replace without charge, except for transportation costs, parts that fail under normal use and service when operated and maintained in accordance with the applicable operation and instruction manuals. This warranty does not apply to normal wear, or to items whose life is dependent on their use and care, such as cords, switches, hoses, rubber parts, electric motor parts, etc.

In addition to the above warranty, for a period of 5 years Windsor will, without charge, either replace or return to working order, at its option, any solution tank that fails as a result of defects in materials or workmanship during normal service and usage except for transportation costs. This limited warranty is in lieu of all other warranties express, implied, or dependent upon their use and care, the product being sold with all other obligations and liabilities. It is applicable only in the U.S. and Canada. It is extended only to the original purchaser/payer of the product. Windsor is not responsible for parts for repairs performed by persons other than those specifically authorized by Windsor. This warranty does not apply to damage from transportation or installation by unauthorized persons. It is null and void if a product is not used in accordance with the instructions contained within this manual. If a difficulty develops with this machine you should contact the dealer from whom it was purchased.

WINDSOR INDUSTRIES, INC.
2635 S. Santa Fe Drive Denver, CO 80223
303-777-7777
PERK/FILTER VAC MACHINE BREAKDOWN AND PARTS LISTING

Removing Waste Water Cabinet Assembly From Base:
1. Disconnect machine from power source.
2. Remove the handle.
3. Turn machine upside down and remove the two lock nuts from the bolts coming through the casters (one on each caster).
4. Remove base from cabinet and disconnect leads at the molex connector.

VACUUM MOTOR
1. To remove vac motors, disconnect wires and remove three 1/4" hex nuts.
2. Lift out vac motors being careful not to damage seals.
3. To inspect brushes: remove brush holdowns. New brush length is 1". Brushes should be replaced when they reach 3/8" length or after 750 operating hours.
4. Inspect vacuum intake opening for lint. If there are large accumulations, the fan section should be disassembled and cleaned. Note: Vacuum motors can usually be repaired, but such repairs should always be done by a qualified vacuum repair shop.
Your new Perk/Filter Vac is equipped with newly designed dome and hose assemblies. This notice should be retained with your Dealer Manual for reference when ordering replacement parts in the future.

NOTE: Part #10-168 Dome/Hose Adapter Assy - PV-5 includes both sub assemblies #28-006 and #28-008. For replacement, individual parts or assemblies can be ordered as shown on parts list.