



## Sodium Bicarbonate Build-up Removal Guide

| Build-up Point  | Warning Signal  | Cleaning Procedure  |
|---|---|---|
| <b>Tank Orifice</b><br><i>(Located at the bottom of the tank)</i>     | Decreased to non-existent abrasive flow, but normal air flow. | <ol style="list-style-type: none"><li>1. Power down the unit.</li><li>2. Remove the tank cover and empty the abrasive into the plastic bag or the storage container. <i>(Keep airtight to prevent moisture from seeping in.)</i></li><li>3. Remove the tank orifice <i>(gunmetal hexagon bolt)</i> at the bottom of the tank using a <b>¼” nut driver</b>.</li><li>4. Check the orifice with a <b>pin gauge</b> for any signs of obstruction.</li><li>5. If the pin gauge meets with resistance, clean the orifice with <b>de-ionized water or vinegar</b>.* <i>(Soak first. Then use mild agitation to completely remove build-up.)</i></li><li>6. Let the orifice completely dry before reinstalling.</li></ol> |
| <b>Nozzle</b><br><i>(Particularly, the inlet side of the nozzle.)</i> | Decreased air AND abrasive flow.                              | <ol style="list-style-type: none"><li>1. Remove the nozzle from the handpiece.</li><li>2. Use a <b>pin gauge</b> to check the nozzle ID for any obstruction.</li><li>3. If the pin meets resistance, clean the nozzle with <b>de-ionized water or vinegar</b>.* <i>(Soak first. Then use mild agitation to clear every bit away.)</i></li><li>4. Let the nozzle dry completely before reinstalling.</li></ol>   |

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|--|--|--|
| <b>PowderGate Output Fitting</b><br><br><i>(Located on the side of Comco's AccuFlo.)</i> | Accelerated wear on the abrasive hose right after the fitting. | <ol style="list-style-type: none"> <li>1. Power down the unit.</li> <li>2. Remove the blue quick nut on the side of the AccuFlo and the abrasive tubing that extends from the side of the AccuFlo to the nozzle.</li> <li>3. Remove the PowderGate output fitting and use a <b>pin gauge</b> to check the ID of the fitting for obstructions.</li> <li>4. If met with resistance, clean the PowderGate with <b>de-ionized water or vinegar</b>.*<br/> <i>(Soak first. Then use mild agitation until all residue is gone.)</i></li> <li>5. Let the PowderGate dry completely before reinstalling.<br/> <i>(Important, as moisture is a killer at this transition point.)</i></li> </ol> |
| <b>Modulator</b>   | Modulator stops humming.                                       | <ol style="list-style-type: none"> <li>1. Power down the unit.</li> <li>2. Remove the modulator from the unit.</li> <li>3. Unscrew the modulator housing to gain access to the core of the modulator.</li> <li>4. Check the core for abrasive particles.</li> <li>5. If abrasive lingers, <b>use dry-air to blow it out</b> of all modulator components.</li> <li>6. Re-install.</li> </ol>  |

**\*Water vs. Vinegar:** Water dissolves sodium bicarbonate, but at a slower rate than vinegar.

**Alcohol:** Alcohol does not dissolve sodium bicarbonate. Submerging in alcohol or using alcohol wipes to clear build-up is an exercise in futility.

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