

Table 3. Troubleshooting Guide

PROBLEM	CAUSE	SOLUTION
<p>Flickering red lamp on power pack door. Continuous clicking, snapping noise.</p>	<ol style="list-style-type: none"> Excessive dirt buildup of large particles in ionizing or collecting section causing arcing. Excessive voltage to collecting section. Cracked insulator. Components still wet after cleaning. Bent cell plates. Broken ionizer wires. 	<ol style="list-style-type: none"> Isolate problem between ionizer and collection cell by following procedures in Section 6. With collection cells in place, check high voltage. See Section 6. Visually check ionizer and cell insulators for cracks or excessive dirt. Turn power packs off using toggle switches on component access doors and continue to run blower until components are dry. Then turn packs back on. Carefully straighten plates. Replace ionizer wires.
<p>Hissing noise.</p>	<ol style="list-style-type: none"> Poor contact between contact springs and ionizer or cell (deformed contact springs?) or ionizer wires coated with contaminant. Cracked or dirty insulator. 	<ol style="list-style-type: none"> Check contact springs on ionizer and collection cell for correct alignment. Clean ionizer wires. Visually check insulators on ionizer and collection cell and component access doors for cracks and excessive dirt.
<p>Indicating light fails to glow.</p>	<ol style="list-style-type: none"> Components dirty. Lamp/bulb failure. Defective insulators (cracked or carbon tracked). No voltage to power pack. Power pack failure. Ground leaf/push rod out of adjustment. 	<ol style="list-style-type: none"> Clean ionizing and collecting sections per cleaning instructions or with in-place cleaning system. Replace bulb. Replace insulator. Check for loose wires and supply voltage AC to power pack. Check high voltage. See section 6. Refer to Section 4.
<p>System turned on but nothing happens.</p>	<ol style="list-style-type: none"> Circuit breaker tripped/fuses failed. 	<ol style="list-style-type: none"> Restore power supply or replace filters.
<p>System no longer removes smoke but indicator lights still glow.</p>	<ol style="list-style-type: none"> Blower is not operating. Power pack(s) is defective. Components are dirty. Incorrect ionizer and collection cell arrangement. Loading or other inlet parameters have changed. (Adding branch ducts.) 	<ol style="list-style-type: none"> Check voltage to motor. Adjust or replace belts, repair motor as required, replace fuses. Check high voltage. Refer to Section 6. Clean components. Refer to Section 5. See Figures 14 and 15. Check for changes in smoke source.