

Electrostatic Preventative Maintenance

Wear Item	Failure/Cause	Result	Condition for Replacement	
REA Guns	Electrode	Bent, Broken, Faulty resistor	Distorted pattern; Poor transfer efficiency; Poor finishing quality	When electrode is severely bent or broken and cutting fluid nozzle. When resistor fails. When replacing electrode also replace fluid nozzle.
	Fluid Nozzle	Worn, Broken	Fluid leak Inconsistent fluid delivery	When I.D. is excessively worn. Cut by electrode. Broken from operator use. Replace when replacing electrode.
	Air Cap	Broken, Lost	Distorted pattern Poor finish quality	Broken or damaged from operator abuse.
	Barrel Gasket	Torn, Compressed	Air leak, poor fan control	Replace when barrel is removed.
	Chevron Seals	Worn, Lost	Fluid leaks around needle shaft	Replace bi-annually.
	Spring Washers	Worn, Lost	Premature seal failure	Replace bi-annually.
	Cable	Cut	No high voltage	Replace when needed.
REM Guns	Fluid Nozzle	Worn, Plugged	Distorted pattern	Replace when pattern or flow is insufficient.
	Nozzle Seal	Compressed, Lost	Fluid leaks Inconsistent fluid delivery	Replace with new style nozzle seal. All current users
	Air Cap	Broken, Lost	Distorted pattern Poor finish quality	Broken or damaged from operator use.
	Fluid Seals	Worn, Lost	Fluid leaks around needle shaft	Replace bi-annually.
	Valve Seat Assembly	Worn, Lost	Fluid drips or leaks	Replace bi-annually
	Cable	Cut	No high voltage	Replace when needed.

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No. 2 Process Gun	Bell Cup	Broken, Chipped, Worn, Coating	Paint spills coverage Poor	Replace when coating is worn off or paint spills are present. Operator dependent.
	Contact Brush	Broken	No high voltage to bell	When contact area is excessively worn or broken.
	Feed Tube	Broken	Improper fluid placement	Replace if broken. Operator dependent.
	Cable	Cut	No high voltage Bell cup not rotating	Replace when needed.
	O-Rings	Cracked, Cut	Loose bell cup Fluid leaks into barrel	Replace bi-annually