

## SERVICE INSTRUCTION

### HIGH VOLTAGE CONTROLLER START-UP REQUIREMENTS

Inspector's  
 Initials

For Ransburg Technical Service Call: (800) 233-3366

**Before Start-Up (Site Inspection)**

- Control panel installed in a convenient area, located in a suitable environment (see manual for more details).
- Make sure that the customer's main disconnect that supplies power to the HV Controller is off.
- Verify the incoming power to the disconnect.
- Remove fuses at control panel.
- Verify incoming voltage wiring for correct termination point.
- Verify Ethernet I/P cable connected.
- Grounding checked to a known earth ground.
- Ensure high voltage cable is properly connected and routed.
- Ensure low voltage cable is properly connected and route.
- Ensure all necessary high voltage interlocks are installed.

Model #	Service Manual
A12311	LN-9623-00

Reference [www.ransburg.com](http://www.ransburg.com)  
 for service manual information

**Start-Up Requirements**

- Turn on the customer's main disconnect that supplies power to the HV Controller.
- Verify correct incoming voltage at the control panel.
- Turn off the customer's main disconnect that supplies power to the HV Controller.
- Re-install fuses in the Control Panel.
- Turn on the customer's main disconnect that supplies power to the Voltage Master.
- Turn on the disconnect at the panel.
- Verify DC power supplies for proper voltage output.
- Verify the power at the HV Controller.
- Enable Di/Dt or Dv/Dt as required.
- Set Di/Dt or Dv/Dt sensitivity level.
- Set Local / Remote switch to the appropriate position.
- Set kV Set to a low level - 20 kV.
- Set uA Set to a low level - 20 uA.
- Ensure the area around the applicator being charged is clear of personnel and any ungrounded containers.
- Ensure the applicator is a minimum of 10" from the nearest grounded object.
- Turn on HV and record the actual kV and uA.
- If no faults repeat at 50 kV and 50 uA.
- Record the actual kV and uA.
- If no faults repeat at 100 kV and 100 uA.
- Record the actual kV and uA.
- Set to the desired production kV and uA set points.
- Perform overload safety validation / verification.

NOTE: Additional information regarding applicator and/or its capability can be found in the corresponding service manual.  
 For "Spare Part Information" reference the applicator service manual.  
**Always use genuine Ransburg replacement parts to assure maximum uptime with applicator.**

Facility Representative: \_\_\_\_\_

Date: \_\_\_\_\_

Ransburg Representative: \_\_\_\_\_

Date: \_\_\_\_\_

Manufacturing  
1910 North Wayne Street  
Angola, Indiana 46703-9100  
Telephone: 260/665-8800  
Fax: 260/665-8516  
www.ransburg.com

Technical/Service Assistance

Telephone: 800/ 233-3366 Fax: 419/ 470-2071

Technical Support Representative will direct you to the appropriate telephone number for ordering Spare Parts.

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