

Date: 08/12/2008

#2045

To: All Lincoln District Sales Offices, Distributors, International Distributors, Service Facilities (USA & CANADA),
Subsidiaries, Technical Sales Reps, Canadian Sales Offices

**Subject: Potential Electrical Shock Hazard Associated With the Idealarc[®] DC-600
Multi-Process Power Source (Revised 1/29/09)**

It has come to Lincoln Electric's attention, through an incident that involved an individual receiving an electrical shock while using a DC-600, that failure of an auxiliary transformer can result in the unintended application of voltage to the output terminals when the power switch is in the OFF position. Although the failure of the auxiliary transformer typically does not involve a safety hazard, this Service Notice is being provided to notify customers who have purchased the DC-600, with the serial numbers within a specified range, to eliminate the potential for electric shock due to the failure of a particular auxiliary transformer.

SERIAL NUMBERS COVERED BY THIS SERVICE NOTICE: All DC-600 units with serial numbers U1031000000 to U1070704384. These power sources were shipped in the approximate period October 1, 2003 to August 15, 2007.

No action is required for DC-600 welders outside of the identified serial number range.

REQUIRED ACTION: If a DC-600 is affected by this notice, please proceed according to the following two paragraphs as soon as possible to avoid a potential electric shock hazard. If you sold or repaired a DC-600 affected by this notice, please direct this Service Notice to the owners of those units.

If the DC-600 has a failed auxiliary transformer, the indicative symptoms include a failure to turn on, smoke being exhausted, or the power light being dimly lit when the power switch is off, or any other irregularity. If any of these symptoms are evident, immediately disconnect the input power to the power source at the fuse box or disconnect switch. Remove the power source from service.

Make arrangements with your local Lincoln Authorized Service Center for the failed auxiliary transformer to be replaced and for a 9SS27504 isolation transformer service kit to be installed.

If your power source appears to be working normally, you may continue to use it, but avoid personal contact with the weld circuit, such as output terminals, wire drive, contact tip, and electrode wire. If input power is applied to the power source, then you must use proper electrical insulating gloves when contacting the weld circuit. As soon as possible, have a 9SS27504 isolation transformer service kit installed. After this kit is installed, only normal welding gloves will be required when contacting the weld circuit.

The style of auxiliary transformer that can fail is identified by the designator: PULSE, and may additionally include one of the following designations: PL1004, or PL1005, or PL1007 or PL1008. The photograph below depicts an example of the Pulse auxiliary transformer that needs to be upgraded.



	WARNING	HIGH VOLTAGE CAN KILL
	<ul style="list-style-type: none">• Do not operate with covers removed• Disconnect input power before servicing	<ul style="list-style-type: none">• Do not touch electrically live parts• Only qualified persons should install, use or service this equipment

Isolation transformer service kits (9SS27504) can be ordered on a machine warranty report form. Multiple kits can be ordered at no charge on a warranty report form. Thirty minutes of labor will be paid per DC-600 welder repaired by an authorized repair facility.

If you have any questions about this Service Notice, please contact: John Sichko at john_sichko@lincolnelectric.com or 216-383-2519 or Gayle Risko at gayle_risko@lincolnelectric.com or 888-935-3877. The isolation transformer service kit per 9SS27504 will be provided and installed at no cost to the owners of DC-600s covered by this Service Notice.

Thank you!

John T. Sichko
Assistant Service Manager
The Lincoln Electric Company

Revised on 29 January 2009