

Date: 08/01/2008

#2044

**To:** Applicable Powerwave AC/DC 1000 Owners, Canadian Sales Offices, Canadian Service Facilities, Distributors, International Distributors, Lincoln District Sales Offices, Service Facilities, Subsidiaries, Technical Sales Reps.

**Subject: Potential Electrical Shock Hazard Associated With The Power Wave AC/DC 1000**

It has come to Lincoln Electric's attention, through incident reports of persons receiving electric shocks while using a Power Wave AC/DC 1000, that the failure of an auxiliary transformer can result in the unintended application of voltage to the weld circuit of the machine. Although the failure of an auxiliary transformer typically does not involve a safety hazard, this Service Notice is being provided to customers who have purchased the Power Wave AC/DC 1000, with the serial numbers within a specified range, to eliminate the potential for electrical shock due to the failure of a particular auxiliary transformer.

**SERIAL NUMBERS COVERED BY THIS SERVICE NOTICE:** All Power Wave AC/DC 1000 units with a serial number below U1080402618. These power sources were shipped before June 1, 2008.

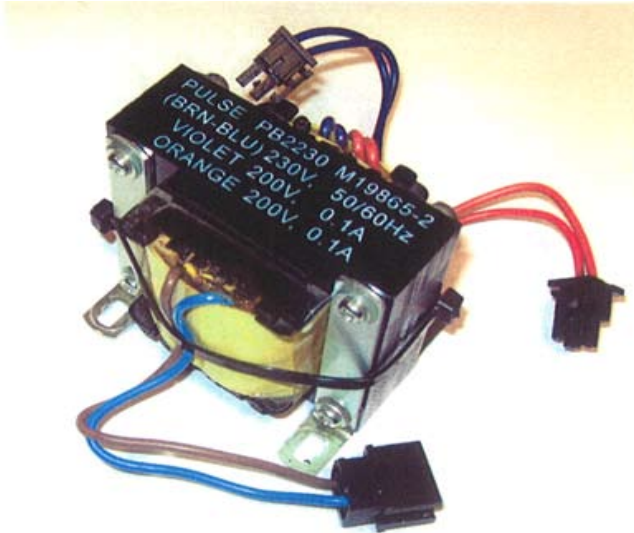
If a Power Wave AC/DC 1000 is not affected by this Service Notice, no action is required.

**REQUIRED ACTION:** If you own a Power Wave AC/DC 1000 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 Power Wave AC/DC 1000 affected by this notice, please direct this Service Notice to the owners of those Power Wave AC/DC 1000 units.

If your Power Wave AC/DC 1000 has lost output, is welding erratically, or shows signs of smoke coming from the machine, 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 repairs.

If the 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 to contact the weld circuit.

The style auxiliary transformer that can fail can be identified by the designators: PULSE, PB2230. The photograph below depicts the auxiliary transformer that needs to be upgraded.



If you have any questions about this Service Notice, please contact John Sichko at [john\\_sichko@lincolnelectric.com](mailto:john_sichko@lincolnelectric.com) or 216-383-2519.

If you have a Power Wave AC/DC 1000 with a serial number covered by this notice, please contact your local Lincoln Electric Authorized Service Shop or Lincoln Electric Customer Service at [don\\_buchanan@lincolnelectric.com](mailto:don_buchanan@lincolnelectric.com) or 877-837-8145 to arrange for the transformer to be replaced at no cost to you. The transformer service kit 9SS27540 will be obtained and installed by Lincoln Electric's Authorized Service Shop Network.

Thank you!

John T. Sichko  
Assistant Service Manager  
The Lincoln Electric Company

John Howell  
Customer Service