



# Technical Bulletin

- Place a copy of this bulletin in the front of each Blueprints Manual.
- Redline drawings as needed and include a TB reference note.
- Document TB implementation schedule request and completion:

Date Scheduled \_\_\_\_\_ Date Completed \_\_\_\_\_

Completed by (name) \_\_\_\_\_

**TB Number:** 099  
**Date Issued:** 11/17/2014  
**Expiration Date:** None

<b>Subject/Key Words:</b>	CIP – Continuous Improvement Program, replacement program. <ul style="list-style-type: none"> <li>• Some of the initial shipments of the Phaser2 Megasonic amplifiers have exhibited output power degradation.</li> </ul>			
<b>Classification:</b>	<input checked="" type="checkbox"/> Informational	<input type="checkbox"/> Mandatory	<input type="checkbox"/> Safety Alert	<input type="checkbox"/> Preventive Maintenance Impact
	<input type="checkbox"/> Warranty Impact	<input type="checkbox"/> Purchase Parts	<input type="checkbox"/> No Charge For Parts expires ___ / ___ / ___. Reference this TB# when ordering NC parts.	
<b>Application:</b>	SC1, SC2, and rinse tanks with Phaser2 Megasonic Systems.			
<b>Parts/Documents:</b>	Phaser2 Megasonic System Amplifier, part number 238058-001			
<b>Attachments:</b>	None			

**Issue:** Premature failure of the amplifier output transistors. Failure may occur depending on the amplifier duty cycle and output power settings.

**Symptoms:** The Phaser2 megasonic system may not achieve the desired output power levels.

**Inspection:** Affected system by Akrion Systems project numbers are as follows: 0323-03, 0329-01, 1131-02, 1133-01, and 1599-01.

**Solution:** Field units will be replaces at no cost to the customer.

Fully tested replacement units are available to ship as soon as scheduled. Future builds will be manufactured with the enhanced output transistors.

***You will be contacted by your Regional Service Manager to schedule shipping and replacement of the affected amplifiers***