



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.
Reference TB implementation on site Action Item Box-chart and/or
site tool history management log.

Number: 055
Date Issued: 02/16/06
Expiration Date: 02/16/07

Subject/Key Words:	GAMA Genius I/O Interface Board Reset			
Classification:	<input type="checkbox"/> Informational	<input checked="" type="checkbox"/> Mandatory	<input type="checkbox"/> Safety Alert	<input type="checkbox"/> PM Impact
	<input checked="" type="checkbox"/> Warranty Impact	<input type="checkbox"/> Purchase Parts	<input type="checkbox"/> No Charge For Parts expires ___/___/___. Reference this TB# when ordering NC parts.	
Applicable Akrion Procedures:	OP 2031 Change "hold last state" output setting for Genius I/O points			
Parts/Reference Documents:				
Attachments:	None			

Issue: A hardware/software incompatibility may cause the Genius I/O interface board to perform a 5-second reset. Normal operation resumes after the reset. During the reset, problems may occur that can lead to damage to tool and/or product damage.

Symptoms: An I/O board reset will register an "Alert" in the data log. It will not impede operation of the tool unless the robot strikes a tank lid, or a tank goes out of specifications, preventing product from entering/exiting as scheduled.

Test/Validate: Tools affected: GAMA with Genius I/O systems operated by Series II (Pentium 3) and Series III (Pentium 4) AKSV6 computers.

Solution: This solution is Mandatory for Series III systems, and recommended for Series II systems.

Short-Term

Perform OP 2031 on all applicable tool sets to change specific output point configurations. Change the Hold Last State to "yes" for the following:

Lid Open Output (process tanks with lids, LuCID, and LuCID2 tanks)

Activate Drain Output (process tanks)

Activate Level Drain Output (process tanks)

Open Robot Gripper (active gripper tools).

Long Term

1. All Genius Tools factory set with I/O hold last states listed above.
2. Computer I/O Cards updated to PCI format

If you have technical questions or require more information, please contact Akrion Technical Support Department via e-mail at techsupport@akrion.com. Authorized service personnel can obtain copies of the latest Akrion procedures and controlled documents from the Akrion Document Control department at doccontrol@akrion.com. Customers must direct all inquires to their local Akrion field service representative. (Form QA1656F1AC)