



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: 044
Date Issued: 06/10/04
Expiration Date: 06/10/05

Subject/Key Words:	Intermittent exhaust and phase monitor faults.			
Classification:	<input checked="" 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:	N/A			
Parts/Reference Documents:	Technical Bulletin 28: Loose main power connections may result in equipment failures (illustration, p2).			
Attachments:	None			

Issue: Loose hex-lug power bus connections on the main power feed wires (L1, L2 and L3) and input/output lugged connections of both the main circuit breaker CB1 and main contactor K100, have been isolated as sources for voltage anomalies which have led to intermittent component faults and alarms.

Symptoms: Random faults not contributed to failed components: exhaust, phase monitor, UPS, and robot (fails to reset)

Test/Validate: On towers having CB1 and K100 conjoined as shown in drawing 212518 all input and output power bus lugs must be confirmed as properly tightened. Disconnect facility power to the tower, test for no 208VAC leg-to-leg for L1, L2, and L3, and LOTO facility feed to CB1. Shut off CB1. Tighten all lugs as shown on page two using a metric #8 hex wrench/key. Use non-round ended hex wrench if possible. DO NOT over-torque and strip the threads. Poor connections will be obviously loose. After all lugs have been properly tightened, remove LOTO and restore power.

Solution: Reference Technical Bulletin 28. Report any instances of loose lug connections to the Akrion Quality Department for tracking and vendor follow up.

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 QA1656F1AB)