



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: 021
Date Issued: 08/22/03
Expiration Date: 08/22/04

Subject/Key Words:	Shuttle lift popup queue indicator lamps / lights		
Classification:	<input checked="" type="checkbox"/> Informational	<input type="checkbox"/> Mandatory	<input type="checkbox"/> Safety Alert
	<input type="checkbox"/> Warranty Impact	<input checked="" type="checkbox"/> Purchase Parts	<input type="checkbox"/> PM Impact
Applicable Akrion Procedures:	Ref retrofit kit drawing instructions included with each kit.		
Parts/Reference Documents:	First time replacement of lamps order retrofit kits: 224130-001 (lift and shuttle latched) and 224132-001 (shuttle latched only). 224131-001 red indicator LED to replace LIT1B0154 incandescent lamp 224133-001 green indicator LED to replace LIT1B0153 incandescent lamp		
Attachments:	None		

Issue: Shuttle and lift/pop-up queue position incandescent indicator lamps (green – shuttle locked, red - shuttle down) were prone to premature failure due to shuttles being slammed in and out.

Symptoms: Incandescent Queue position indicator lamps no longer illuminate.

Test/Validate: Ensure the X and Y position sensors, wiring, and 24vdc signals are operationally switching. Validate bulb operation/malfunction by isolating the lamp leads and applying 24vdc and ground.

Solution: First time replacement order upgrade LED indicator lamp kits. Subsequent lamp replacements - order individual LEDs. Note: Proper LED polarity convention required for lamp operation.

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)