

Grumman Corporation

# CRITICAL ITEMS LIST

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GRUMMAN

ASSY NOMENCLATURE: MANIPULATOR FOOT RESTRAINT

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REPORT NO. RAS 47-84

ASSEMBLY PART NO: DEU 3040340

REVISION: A

DATE: 17 MAY 1988

FMEA REF	REV	NAME, QTY & DRAWING REF DESIGNATION	CRIT	FAILURE MODE AND CAUSE	FAILURE EFFECT	RATIONALE FOR ACCEPTANCE
A2	A	Adaptive Payload Carrier (APC) Interface Mechanism  QTY (1)  DWG C95-101	2/2	A2 - Latch fails to close due to defective material, contamination or galling.	<p><b>END ITEM</b> Unable to close latch</p> <p><b>GFE INTERFACE</b> Unable to connect MFR to APC</p> <p><b>MISSION</b> Loss of MFR; unable to accomplish subsequent mission objectives.</p> <p><b>CREW / VEHICLE</b> None</p>	<p><b>A. Design</b> Materials per tables 1 &amp; 2 of MSFC-SPEC-522A are certified for traceability/quality. Anodic hardcoating per MIL-A-8625C on alumin. interfaces with relative motion minimizes galling and wear. Contamination caused by corrosion by products eliminated by extensive use of thermal control coating and solid (Moly di-sulfide) lubricant coating.</p>

