

Grumman Corporation

# CRITICAL ITEMS LIST

**GRUMMAN**

ASST NOMENCLATURE: MANIPULATOR FOOT RESTRAINT

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REPORT NO: RMR 87 11 6

ASSEMBLY PART NO: SED 21 MD188

REVISION: A

DATE: 17 MAY 1988

FMEA REF REV	NAME, QTY & DRAWING REF DESIGNATION	CRIT	FAILURE MODE AND CAUSE	FAILURE EFFECT	RATIONALE FOR ACCEPTANCE
H2	Payload Interface Mechanism (PIM)  QTY (1)  Dwg C95-105	2/2	H2 - Latch fails to open due to contamination or galling	<p><b>END ITEM</b> Unable to break connection between PIM and payload</p> <p><b>GFE INTERFACE</b> Same as failure effect for end item</p> <p><b>MISSION</b> Possible loss of payload if payload cannot be stowed with PIM attached</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 aluminum 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 oil-sulfide) lubricant coating.</p>

