
FAILURE MODE EFFECTS ANALYSIS/CRITICAL ITEMS LIST

FMEA NUMBER: PRD-FM01

ORIGINATOR: JSC

PROJECT: GFE - SHUTTLE

PART NAME: Kevlar Webbing Assy, Lg
 LRU PART NUMBER: 10163-10063-03
 DRAWING:

PART NUMBER: 10163-20051-01
 LRU PART NAME: PRD
 SUBSYSTEM: PRD

QUANTITY: 1
 SYSTEM: EVA Tools
 EFFECTIVITY: STS-70

CRITICALITY:

CRITICAL ITEM? NO

CRITICALITY CATEGORY: 1B/3

REDUNDANCY SCREEN:

A - PASS
 B - PASS
 C - PASS

FUNCTION: Adjustable strap to secure RMS and/or payload or to assist in closing payload bay doors during contingency door operations.

FAILURE MODE: Loss of strap.

CAUSE: Defective material, abrasion or damage, broken stitches.

FAILURE DETECTION: N/A

REMAINING PATHS: Spare PRD

MISSION PHASE: EVA

CORRECTIVE ACTION:

Use spare PRD or jettison RMS or payload.

-FAILURE EFFECTS-

END ITEM: Strap separates from PRD.

INTERFACE: Payload, RMS or PLB doors become separated from PRD.

MISSION: Possible loss of payload or assistance in securing orbiter systems for entry.

CREW/VEHICLE : Possible vehicle damage from unsecured payload. Loss of vehicle if PLB doors can't be closed.

HAZARD INFORMATION:

HAZARD: YES NO

HAZARD ORGANIZATION CODE:

HAZARD NUMBER: PRD0001000

TIME TO EFFECT: Immediate

TIME TO DETECT: Immediate

TIME TO CORRECT: Minutes

FAILURE DETECTION/FLIGHT: Visual

FAILURE MODE EFFECTS ANALYSIS/CRITICAL ITEMS LIST

FMEA NUMBER: PRD-FM01	ORIGINATOR: JSC	PROJECT: GFE - SHUTTLE
PART NAME: Kevlar Webbing Assy, Lg	PART NUMBER: 10163-20031-01	QUANTITY: 1
LRU PART NUMBER: 10163-10063-03	LRU PART NAME: PRD	SYSTEM: EVA Tools
DRAWING:	SUBSYSTEM: PRD	EFFECTIVITY: STS-70

REMARKS:

-RATIONALE FOR ACCEPTABILITY-

- (A) DESIGN: N/A
- (B) TEST: N/A
- (C) INSPECTION: N/A
- (D) FAILURE HISTORY: N/A
- (E) OPERATIONAL USE: N/A
- (F) MAINTAINABILITY: N/A

PREPARED BY: C. L. Hartman**REVISION:****DATE:** 05/24/93**WAIVER NUMBER:**
