
FAILURE MODE EFFECTS ANALYSIS/CRITICAL ITEMS LIST

FMEA NUMBER: EC-PORT1-7	ORIGINATOR: JSC	PROJECT: EDFT-03
PART NAME: FLUID LINE CLIP	LRU/ORU PART NUMBER: SED39126403-301	QUANTITY: 1
PART NUMBER: SDD39126426-301	LRU/ORU PART NAME: PIT-PIT UT BOX	SYSTEM: CFE
LSC CONTROL NO: N/A	DRAWING/REF DESIGNATOR: SEE P/N	SUBSYSTEM: EVA
ZONE/LOCATION: PORT 1	EFFECTIVITY/AFFECT STAGE: STS-72	

CRITICALITY:

CRITICAL ITEM: No
 CRITICALITY CATEGORY: 1R/3

SUCCESS PATHS: 3
 SUCCESS PATH REMAINING: 2

END ITEM NAME: N/A
 END ITEM FUNCTIONAL: N/A
 END ITEM CAPABILITY: N/A
 END ITEM FAILURE TOLERANCE: N/A

REDUNDANCY SCREENS:

A/1. C/O PRELAUNCH: Pass
 2. C/O ON ORBIT: N/A for NSTS
 B/3. DETECTION FLIGHT CREW: N/A
 4. DETECTION GROUND CREW: N/A
 C/5. LOSS OF REDUNDANCY FROM SINGLE CAUSE: Pass

FUNCTION: Fluid line clips retain fluid lines at launch/landing within utility box.

FAILURE MODE CODE: N/A for NSTS

FAILURE MODE: Loss of retention.

CAUSE: Piece part defect, vibration, wear.

REMAINING PATHS: 2	EFFECT/ MISSION PHASE:
Remaining clips, clamp and connector and door.	Launch/Landing

CORRECTIVE ACTION: Ensure other clips and one connector are engaged.

-FAILURE EFFECTS-

END ITEM/LRU/ORU/ASSEMBLY: 1) Unable to reinstall connector into stowage location 2) A portion of the line is not structurally supported.

SUBSYSTEM/NEXT ASSEMBLY/INTERFACE: N/A

SYSTEM/END ITEM/MISSION: Partial loss of DTO objective.

CREW/VEHICLE : If all means to restrain line are lost, line will be free in PLB. Possible vehicle damage due to loose equipment.

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HAZARD INFORMATION:

HAZARD: N/A

HAZARD ORGANIZATION CODE: N/A

HAZARD NUMBER: N/A

TIME TO EFFECT: Seconds

TIME TO DETECT: Seconds

TIME TO CORRECT: Immediately

FAILURE DETECTION/FLIGHT Visual during EVA

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: G. Wright

REVISION:

DATE: 8/10/95

WAIVER NUMBER: