

Failure Modes and Effects Analysis/Critical Items List

FMEA No:	OSS-ST576-07	Originator:	G. Hall	Project:	STS-76 DTO 671
Part Name:	Hook, Large	ORU Part #	SED39128394-301	Quantity:	4
Part #:	SED39128378-301	ORU Part Name:	Common Safety Tether Assy	System:	EVA
Drawing:	SED39128378	Subsystem:	N/A	Effectivity:	STS-76

Criticality:

Critical Item?	Yes	No	<u>X</u>
Criticality Category	<u>IR/S</u>		

Redundancy Screens:

- A - Pass
- B - Pass
- C - Pass

Function: Provides adjustable safety tether interface between the EVA crewmember waist tether and EVA slidewire assy.

Failure Mode: Hook fails to open

Cause: Hook bail fails latched

Remaining Paths: 1. Unhook waist tether large hook Effect/Mission Phase: EVA
 2. Unhook waist tether small hook
 3. Cut waist tether webbing
 4. Cut safety tether cable

Corrective Action: None

-Failure Effects-

End Item: Tether assembly inoperable
 Interface: N/A
 Mission: N/A
 Crew/Vehicle: Crewmember remains tethered to slide wire

Hazard Information:

Hazard:	Yes	No	<u>X</u>
Hazard Organization Code:	N/A		
Hazard Number:	N/A		

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Time to Effect: N/A

Time to Detect: N/A

Time to Correct: N/A

Failure Detection/Flight: N/A

Remarks:

-Retention Rationale-

- (A) Design: N/A
- (B) Test: N/A
- (C) Inspection: N/A
- (D) Failure History: N/A
- (E) Operational Use: N/A

Prepared By:	G. Hall/OSS	Revision:	B	Date:	02/26/96
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