

FAILURE MODES AND EFFECTS ANALYSIS

REFERENCE DESIGNATOR: NAME/QUANTITY: DRAWING REFERENCE: NAME/QUANTITY: DRAWING REFERENCE: NAME/QUANTITY: DRAWING REFERENCE:	ODS1 SHAF 15 (1) SER 00127252 OPERATING LEVER (OPERATING HANDLE) ASSY GE 000127245-310 CLAMP ASSEMBLY (1) BE 000127244	PROJECT: LRU NAME/QUANTITY: LRU PART NUMBER:	ODS CONTINGENCY HARDWARE ODS CLAMP ASSY (1) SE 000127245	SUBSYSTEM EFFICIENCY	LVA Type ALL THREATS
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FAILURE MODE NUMBER ODSL-4	CRITICALITY 1R/3	FAILURE EFFECT	FAILURE DETECTION METHOD
The ODS Clamp will be used to hold the two halves of the Space Shuttle/Orbiter docking module when the bolts holding their flanges are being removed by EVA crewmembers.		END ITEM	FLIGHT Visual
		None	
FAILURE MODE AND CAUSE MODE		MISSION	GROUND Pre-Installation Acceptance Test and/or CEIT
Unable to clamp on to flange.		None	CORRECTIVE ACTION
CAUSE(S)		CREW / VEHICLE	Attempt release of docking module using one clamp and judicious removal of bolts.
1. Unable to attach lever (operating handle) to clamp assembly. 2. Shell(s) binds or shears. 3. Contamination in clamp assembly.		None	
REDUNDANCY SCREENS	REMAINING PATHS	INTERFACE	REMARKS None
A - Pass	None.	None	
B - Pass			
C - Pass			
MISSION PHASE	CORRECTIVE ACTION TIMES		
	TIME TO EFFECT	TIME TO CORRECT	
EVA	N/A	N/A	

PREPARED BY: Dave Valentine

DATE: 5/12/95