

FAILURE MODES AND EFFECTS ANALYSIS

REFERENCE DESIGNATOR:
NAME/QUANTITY:
DRAWING REFERENCE:

ODSL
QUICK RELEASE PIN (1)
SED09127254-301

PROJECT
LINK NAME/QUANTITY:
LINK PART NUMBER:

ODS CONTINGENCY HARDWARE
ODS CLAMP ASSY (1)
SED09127245

SUBSYSTEM
EFFECTIVITY

EVA Tools
ALL ORBITERS

FAILURE MODE NUMBER	CRITICALITY		FAILURE EFFECT	FAILURE DETECTION METHOD
ODSL-1	1R/3			
FUNCTION The ODS Clamp will be used to hold the two halves of the Space Shuttle docking module attached to the Mir when the bolts holding their flanges are being removed by EVA crewmembers.			END ITEM Loss of positive lock of Clamp in closed position. Inadvertent release of Clamp if bumped.	FLIGHT Visual GROUND Pre-Installation Acceptance Test and/or CEIT
FAILURE MODE AND CAUSE MODE Inability to lock the ODS Clamp jaws in the closed position. CAUSE(S) Jamming or contamination of pip pin.			MISSION None	CORRECTIVE ACTION None
REDUNDANCY SCREENS A - Pass B - Pass C - Pass		REMAINING PATHS None	CREW / VEHICLE None.	REMARKS Crew training to avoid bumping or kicking lever (operating handle)
MISSION PHASE		CORRECTIVE ACTION TIMES		
		TIME TO EFFECT	TIME TO CORRECT	
CVA	N/A		N/A	