

FAILURE MODES AND EFFECTS ANALYSIS

REFERENCE DESIGNATOR
NAME/QUANTITY:
DRAWING REFERENCE:

ODSL
LEVER (OPERATING HANDLE)
LOCKING PARTS (1)
SED06127200

PROJECT:
LRI NAME/QUANTITY:
LRI PART NUMBER:

ODS CONTINGENCY HARDWARE
ODS CLAMP ASSY (1)
SED06127245

SUBSYSTEM EVA Tether
EFFECTIVITY ALL ORBITERS

FAILURE MODE NUMBER ODSL-6	CRITICALITY 1R/3	FAILURE EFFECT	FAILURE DETECTION METHOD				
<p>The ODS Clamp will be used to hold the two halves of the Space Shuttle/Mir docking module when the bolts holding their flanges are being removed by EVA crewmembers.</p>		<p>END ITEM Lever (operating handle) not positively retained in clamp assembly.</p>	<p>FLIGHT Visual</p>				
<p>FAILURE MODE AND CAUSE MODE Unable to lock lever (operating handle) into clamp assembly.</p>		<p>MISSION None</p>	<p>GROUND Pre-Installation Acceptance Test and/or CEIT</p>				
<p>CAUSE(S) Failure or contamination of lever (operating handle) latch mechanism.</p>		<p>CREW / VEHICLE None</p>	<p>CORRECTIVE ACTION Tether lever (operating handle) when not in use.</p>				
<p>REDUNDANCY SCREENS A - Pass B - Pass C - Pass</p>	<p>REMAINING PATHS None.</p>						
<p>MISSION PHASE</p>	<p>CORRECTIVE ACTION TIMES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">TIME TO EFFECT</th> <th style="width: 50%;">TIME TO CORRECT</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">N/A</td> <td style="text-align: center;">N/A</td> </tr> </tbody> </table>		TIME TO EFFECT	TIME TO CORRECT	N/A	N/A	<p>INTERFACE None</p>
TIME TO EFFECT	TIME TO CORRECT						
N/A	N/A						
<p>EVA</p>			<p>REMARKS Lever (operating handle) can still actuate clamp.</p>				

A-7

PREPARED BY: Dave Valentine

APP-ODS - 6

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