

FAILURE MODES AND EFFECTS ANALYSIS

10107-70918

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Reference Designator: SURS
 Name/Quantity: CATCH 1/2
 Drawing Reference: 10159-20410

Project: LRD
 LRU Name/Quantity: SURS CLAMP ASSY/2
 LRU Part Number: 10159-10079-01

Subsystem:
 Effectivity: All Ordinaries

FAILURE MODE NUMBER	CRITICALITY	FAILURE EFFECT	FAILURE DETECTION METHOD
SURS-011	3/1R		
FUNCTION TO PROVIDE MEANS OF ATTACHING AND LOCKING CLAMP ONTO ELECTRICAL CONNECTOR ASSEMBLY		END ITEM CLAMP CANNOT BE REMOVED FROM ELECTRICAL CONNECTOR ASSEMBLY	EFFECT FAILURE, VISUAL
FAILURE MODE AND CAUSE FAILS TO DISENGAGE		MISSION SATELLITE CANNOT BE DEPLOYED	GROUND NONE
CAUSE: JAM IN ACTUATOR ASSY DUE TO CONTAMINATION, BROKEN OR DAMAGED COMPRESSION SPRING, OR GALLING		CREW/VEHICLE NONE IF OTHER SURS CLAMP IS INSTALLED ON OTHER ECA. BOTH CLAMPS MUST BE INSTALLED FOR SAFE RETURN OF PAYLOAD OR BOTH CLAMPS REMOVED FOR PAYLOAD JETTISON.	CORRECTIVE ACTION NONE
REDUNDANCY SCREENS	REMAINING PATHS		
A - PASS B - N/A C - PASS	2 - REDUNDANT CLAMPING FEATURE OF SECOND SURS CLAMP.		
MISSION PHASE	TIME TO EFFECT	INTERACT ELECTRICAL CONNECTOR CANNOT BE REMOVED FROM SATELLITE UMBILICAL.	REMARKS SATELLITE WILL HAVE TO BE RETURNED TO EARTH
EVA	IMMEDIATE		
		TIME TO CORRECT	
		N/A	