

FAILURE MODES AND EFFECTS ANALYSIS

ASSY NOMENCLATURE CONTAINER ASSEMBLY
ASSY P/N: SN118240007

SYSTEM: CREW ESCAPE SYSTEM
SUBSYSTEM: PERSONAL PARACHUTE ASSEMBLY

REV: FALL 2012
DATE:

NAME AND DRAWING	FUNCTION	FAILURE MODE AND CAUSE	MISSION PHASE	FAILURE EFFECT ON			FAILURE DETECTION		CORRECTIVE ACTION THAT AVAILABILITY IS MAINTAINED	CRIT. I/F	HAZARDOUS/REMARKS
				END ITEM	MISSION	CREW/VEHICLE	IN FLIGHT	GROUND			
1.3 WEB AND LOOP ASSY. CONTAINER SIDE SN1182401287	To secure the main chute cover only	1.3.1 Mode: Premature opening of closure loops Cause: • Loop breaks • Pin pulled due to lany leg snagging/unsnapping • Defective material	Bailout descent	Main chute deployment with open held in park resulting in main chute entanglement	N/A*	Possible loss of life if pin breaks and loops release, opening flaps	Visual	None	SRK		
1.4 WEB ASSY. CONTAINER SN1182401007	Dropout release mechanism (3-ring release) secures drogue container to the main chute	1.4.1 Mode: Drogue release fails to deploy main Cause: • Bent rings • Excessive loads • Defective material	Descent	Main chute deployment aborted	N/A*	Probable loss of life due to main chute deployment failure	Visual	None	SRK	If the three overlapping rings do not release simultaneously drogue deployment failure will result	

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ATTACHMENT:
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