

FAILURE MODES AND EFFECTS ANALYSIS

ASSY NOMENCLATURE PILOT PARACHUTE
ASSY P/N: SK11B7430007

SYSTEM CREW/ESCAPE SYSTEM
SUBSYSTEM PERSONNEL PARACHUTE ASSEMBLY

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NAME AND DRAWING	FUNCTION	FAILURE MODE AND CAUSE	MISSION PHASE	FAILURE EFFECT ON			FAILURE DETECTION		CORRECTIVE ACTION TIME AVAILABLE TIME REQUIRED	CRIT. H/F	HAZARDS/REMARKS
				END ITEM	MISSION	CREW/VEHICLE	AIR	GROUND			
10 PILOT PARACHUTE ASSY. SK11B7430007	To open the pilot chute flap and initiate drogue chute deployment										
11 PILOT CHUTE DEPLOYMENT CUTTERS	To allow opening of pilot chute flap	11.1 Mode: Fails to function, or functions late Cause: • Defective material • Cutter jams	Descent	Unable to deploy main chute if second and third cutters fail	N/A*	Probable loss of life if second and third cutters fail	Visual	None		11R	
		11.2 Mode: Cutter functions early Cause: • Defective material	Descent/ bailout	Pilot chute deploys early	N/A*	Early initiation of automatic egress and possible failure to clear obstacles	Visual	None		11	