

# FAILURE MODES AND EFFECTS ANALYSIS

ASSY NOMENCLATURE: PARACHUTE BEACON  
 ASSY P/N: NSN-3826-01-099-84045

SYSTEM: CREW ESCAPE SYSTEM  
 SUBSYSTEM: PERSONAL PARACHUTE ASSEMBLY

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 DATE:

NAME AND DRAWING	FUNCTION	FAILURE MODE AND CAUSE	MISSION PHASE	FAILURE EFFECT ON			FAILURE DETECTION <small>(LIGHT GROUND)</small>	CORRECTIVE ACTION <small>TIME AVAILABLE: TIME REQUIRED:</small>	CRIT. Eff	HAZARDS/IMPAIRS
				END ITEM	MISSION	CREW/VEHICLE				
		F.3.1 Mode: Bridle assembly separation cutter fail  Cause: • Defective material	Bailout	Parachute remains attached upon water entry if second cutter fails	N/A*	Possible loss of life if second cutter fails	Visual	Cut suspension lines with knife  Posture  seconds	3/HR	
0.0 PARACHUTE BEACON URT13 NSN-3826-01-099-84045	Transmits location during descent	0.1.1 Mode: Fails to transmit  Cause: • Circuit failure • Depleted batteries • Defective material	Descent	Unable to transmit location of crewmember	N/A*	Possible delay in crewmembers' rescue if PRC 90 or other survival equipment fails	None	None	1/HR	