FAILURE MODES AND EFFECTS ANALYSIS

ASSY NOMENCLATURE LIFERAFT, LRU-18U
ASSY P/N 50040100190-201

SYSTEM CREW ESCAPE SYSTEM
SUBSYSTEM LIFERAFT, LRU-18U

REV
DATE

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	FLIGHT GROUND			
1.5 (Continued) Oral Inflation Assembly	To assist in inflation of liferaft	1.5.2 Mode: Valve fails open Cause: • Contamination • Galled knurled ring	Recovery	Unable to maintain chamber pressure	N/A*	None	Visual	Attempt to screw knurled ring closed hours minutes	N/A	Mouthpiece must be pushed down to allow pressure to decrease
		1.5.3 Mode: External leakage Cause: • Defective seal	Recovery	Unable to maintain chamber pressure	N/A*	Possible loss of crewmember if unable to maintain pressure through oral inflation assembly	Visual	Attempt to maintain pressure using oral inflation assembly hours minutes	N/A	[illegible]
1.6 Upper/Lower Chamber	Inflate liferaft to provide buoyancy for crewmember	1.6.1 Mode: Will not maintain pressure Cause: • Seam debonding • Defective material	Recovery	Unable to maintain buoyancy of crewmember if both chambers fail to maintain pressure	N/A*	Possible loss of crewmember if both chambers fail	Visual	Attempt to maintain pressure by using oral inflation assembly hours minutes	N/A	

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ATTACHMENT
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