

FAILURE MODES AND EFFECTS ANALYSIS

ASSY NOMENCLATURE: LAUNCH/LANDING DECK/ENTRY
ASSY P/N: SED2710733

SYSTEM: CREW ESCAPE SYSTEM
SUBSYSTEM: POLE CREW ESCAPE SYSTEM

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NAME AND DRAWING	FUNCTION	FAILURE MODE AND CAUSE	MISSION PHASE	FAILURE EFFECT ON			FAILURE DETECTION FLIGHT GROUND	CORRECTIVE ACTION TIME AVAILABLE TIME DISABLED	CRIT. H/F	HAZARDS/RISKS
				END ITEM	MISSION	CREW/VEHICLE				
1 0 HOUSING/ ORBITER FITTING ASSEMBLY										
2 1 ROTATING P/N - POLE SIDE UPPER LOWER FITTINGS SED27101006 SED27101007	Provides pole housing/ Orbiter interface attachment points	2.1.1 Mode: Port side fitting operating pin fails Cause: • Contamina- tion • Vibration	Launch	Loss of pole attachment to Orbiter if left spring latch, latch backs off and safety pin fails	Terminated	Loss of crew and/or Orbiter due to being impacted by pole	Visual	None	U/R	
P/P P/N - STARBOARD SIDE UPPER LOWER FITTINGS SED27101003 SED27101003		2.1.2 Mode: Starboard fitting pin fails Cause: • Contamina- tion • Ball detent fail • Vibration	Launch	Loss of pole attachment to Orbiter	Terminated	Loss of crew and/or Orbiter due to being impacted by pole	Visual	None	U/R	

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ATTACHMENT -
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