

FAILURE MODES AND EFFECTS ANALYSIS

ASSY NUM/PCN: HE1417
ASSY P/N: (895DG-B)

SYSTEM: Crew Escape System
SUBSYSTEM: Launch Entry Seat

REV: PAGE 301 12
DATE:

NAME AND DRAWING	FUNCTION	FAILURE MODE AND CAUSE	MISSION PHASE	FAILURE EFFECT ON			FAILURE DETECTION	CORRECTIVE ACTION TAKEN AVAILABLE TO CREW/QUARTER	CRIT. EFF.	HAZARDS/REMARKS
				END ITEM	MISSION	CREW/VEHICLE				
13 Electrical Harness	Provides complete electrical connections necessary for helmet communications	E.S.B. Unable to connect 7 pin electrical connection Cause: a bent pin or defective material or contamination	Abort	Loss of communications	N/A ¹	Loss of communications	Unable to communicate	Use hand signals, or write on kneeboard minutes/seconds	NIR	
		E.S.B. Open/shorted circuit Cause: a defect in material or contamination	Abort	Unable to receive transmission	N/A ¹	Unable to receive	Visual no reception	Use hand signals, or write on kneeboard minutes/seconds	NIR	
16 Comm. Cable	Provides complete electrical connections for the function of the helmet comm.	E.S.B. Broken electrical connection pin at comm plug Cause: a defective material or excessive bend	Launch, Entry, Abort	Unable to receive or transmit	N/A ¹	Unable to receive or send transmission	No reception or transmission	Use hand signals, or write on kneeboard minutes/seconds	NIR	

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ATTACHMENT
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