

# FAILURE MODES AND EFFECTS ANALYSIS

ASSY Nomenclature: OXYGEN COMMUNICATION NOSE ASSEMBLY  
 ASSY P/N: 590230278 J03

SYSTEM: CREW ESCAPE SYSTEM  
 SUBSYSTEM: COMMUNICATION/NAI SUPPLY LITERATURE

REV: 1  
 DATE: 10/11/75

NAME AND DRAWING	FUNCTION	FAILURE MODE AND CAUSE	MISSION PHASE	FAILURE EFFECT ON			FAILURE DETECTION	CONSEQUENCE OF FAILURE (TIME TO REPAIR, TIME TO REPAIR)	CRIT. EFF.	HAZARDS/REMEDIES
				END ITEM	MISSION	CREW/VEHICLE				
590230278 OXYGEN COMMUNICATION NOSE ASSEMBLY (590230278 J03)	Provides Oxygen O <sub>2</sub> to crewmember connects to O <sub>2</sub> manifold on the crew altitude protection system	411 Mode: External leakage of O <sub>2</sub> hose  Cause: • Failure of material • Deformation of connector	Launch/entry	Small amount O <sub>2</sub> supply	Reduced/lost	Possible loss of communication	Visual, audible sound	None	2/1H	Worst case altitude protection system failure could result in crew member hypoxia or death.
	Cable provides communication to crew member	412 Mode: Loss of communication  Cause: • Deformation of cable • Break in wire(s)	Launch/entry	Loss of communication	N/A	Communication and/or pilot unable to communicate	Audible, no sound	The hand signals of wire out (Incorrectly) initially possibly	2/1H	

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 ATTACHMENT  
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