

FMEA  
EMU FAILURE MODE, EFFECT ANALYSIS

Page: 1  
Date: 11/13/95

12/24/95 SUPERSEDES / /

ANALYST:

NAME P/N QTY	FUNCTION	FAILURE MODE & CAUSES	MISSION PHASE	FAILURE EFFECT	FAILURE DETECTION FLIGHT/GROUND	TIME TO EFFECT/ ACTIONS	CRIT	REMARKS/ HAZARD	REF
BOOT FABRIC ATTACHMENT RING (ITEM 106 (1) LFT (1) RIGHT ..... 10154-02 (2)	Provides pressure retention axial load link between boot softgoods and leg sizing ring. Attachment of boot softgoods.	106FM29V: Failure of 1 lock.  CAUSE: Contamination or foreign matter in latch recess. Defective material lock subassembly. Impact.	PREEVA  EVA  POSTEVA	END ITEM: One of three independent locks is not engaged.  OPE INTERFACE: Loss of fabric ring primary locking mechanism. There are two remaining locking mechanisms.  MISSION: None for single or dual lock failures.  CREW/VEHICLE: None with single or dual failure. Loss of crewman with loss of all locks.	FLIGHT: None.  GROUND: None.	None.  TIME AVAILABLE: N/A  TIME REQUIRED: N/A	3/1R  A-PASS B-N/A C-PASS	There are two independent spring loaded primary locks in addition to a manual secondary lock. All three would have to fail before inadvertent opening occurred.	