

FAILURE MODES EFFECTS ANALYSIS (FMEA) -- CIL HARDWARE

NUMBER: 05-7BA-2000 -X

SUBSYSTEM NAME: EW&I/LANDING GEAR & CONTROL

REVISION: 1

08/23/00

PART DATA

PART NAME	PART NUMBER
VENDOR NAME	VENDOR NUMBER
SRU : CONNECTOR, PLUG- MEDS MODIFICATION	NLS6GT14-35XX

EXTENDED DESCRIPTION OF PART UNDER ANALYSIS:

CONNECTOR, PLUG, 37 #22 CONTACTS - NLG EXTENSION PYRO POWERED ASSIST CIRCUITS LOCATION: SEE TABLE 05-7BA-2000-1

REFERENCE DESIGNATORS: 34V73A8W1P2**QUANTITY OF LIKE ITEMS:** 1
NLS6GT12-35XX (1)**FUNCTION:**

PROVIDES MATE/DEMATE CAPABILITY FOR WIRING WHICH CONTAINS "ARM", "FIRE 1", OR "FIRE 2" COMMANDS FOR NOSE LANDING GEAR (NLG) EXTEND PYRO POWERED ASSIST PIC NO. 1 AND NO. 2. FOR PLUG REFERENCE DESIGNATOR, SEE TABLE 05-7BA-2000-1

FAILURE MODES EFFECTS ANALYSIS FMEA -- CIL FAILURE MODE

NUMBER: 05-7BA-2000- 01

REVISION#: 1 08/09/00

SUBSYSTEM NAME: EW&I/LANDING GEAR & CONTROL

LRU:

CRITICALITY OF THIS

ITEM NAME: CONNECTOR, PLUG - MEDS MODIFICATION

FAILURE MODE: 1/1

FAILURE MODE:

INADVERTENT DEMATING

MISSION PHASE:

LS LANDING/SAFING

VEHICLE/PAYLOAD/KIT EFFECTIVITY:

102 COLUMBIA
104 ATLANTIS

CAUSE:

PIECE PART FAILURE, CONTAMINATION, VIBRATION, MECHANICAL SHOCK, PROCESSING ANOMALY

CRITICALITY 1/1 DURING INTACT ABORT ONLY? NO

REDUNDANCY SCREEN

- A) N/A
- B) N/A
- C) N/A

PASS/FAIL RATIONALE:

A)

B)

C)

- FAILURE EFFECTS -

(A) SUBSYSTEM:

LOSS OF ABILITY TO CONDUCT CRITICAL COMMANDS FROM PANELS F8 AND F8A3 TO NLG EXTENSION PYRO POWERED ASSIST PIC NO. 1 AND NO. 2.

(B) INTERFACING SUBSYSTEM(S):

INADVERTENT DEMATING OF THIS CONNECTOR WILL LOSE BOTH PIC'S FOR THE NLG EXTEND PYRO POWERED ASSIST FUNCTION.