

TICAL ITEM LIST

PROJECT: CARGO ELEMENT INTERFACE
ASSEMBLY ELECTRICAL FLIGHT GRAPPLE
FITURE

SYSTEM:
PAYLOAD GRAPPLE FITURE
ASSEMBLY NUMBER:
91028100-1

SA REF.	REV	NAME, QTY & DRAWING REF. DESCRIPTION	FUNCTION	FAILURE MODE & CAUSE	MISSION PHASE	FAILURE EFFECT ON END ITEM	HARDWARE FUNCTION CRITICALITY	RATIONALE FOR ACCEPTANCE
24	B	DRIVE SHAFT, QTY:1 PN 92A814107C134-1	PROVIDES LOCATION AND RESTRAINT FOR GRAPPLE SHAFT. TRANSFER THE LINE AN MOTION OF THE GRAPPLE SHAFT DURING ROMIZATION AND DE ROMIZATION TO THE ELECTRICAL CONNECTOR LINK SYSTEM	MODE: FAILS TO FULLY ENGAGE GRAPPLE SHAFT DURING EVA ACTIVITY CAUSE(S) DOWNS IN INTERNAL THREAD OR STRIPPED THREAD	ORBIT	ON SUCCESSIVE CAPTURE, ELECTRICAL CONNECTOR MAY NOT MATE WITH EE PAYLOAD MAY NOT BE MATED TO EE WITH NOMINAL FORCES <u>Worst Case</u> PAYLOAD DOES NOT RECEIVE ELECTRICAL POWER/NOT A SIGNAL <u>TIME TO EFFECT</u> IMMEDIATE <u>REDUNDANT DATA REMAINING</u> N/A	22	SEE 140B EXCEPT FOR THE FOLLOWING. <u>OPERATIONAL EFFECTS</u> NORMAL ELECTRICAL CONNECTION/STATE IS NOT POSSIBLE. <u>CREW ACTION</u> EVA RE-INSTALLATION OF GRAPPLE SHAFT <u>CREW TRAINING</u> CREW WILL BE TRAINED TO EVA RELEASE AND RE-INSTALL GRAPPLE SHAFT. <u>MISSION CONSTRAINTS</u> N/A

GF - 6B

PREPARED BY:

JLB

APPROVED BY:

FNEAT/CEL
working group

DATE:

8 Jun 92

SUPPLEMENTARY DATE:

.....