



NAME P/N QTY	CRIT	FAILURE MODE & CAUSES	FAILURE EFFECT	RATIONALE FOR ACCEPTANCE
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106FM18P

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Finger Flexion/Extension	45142		31096
Wrist Flexion/Extension	12646		9568
Wrist Adduction/Abduction	17104		11960
Wrist Rotation	20112		14144
Electrical Connector	150		174
ORU TMG Installation/Removal	49		38
Switch Actuators	228		161

Electrical verification tests conducted at each of seven Interim Test Points determined that the cable was functional throughout certification testing.

C. Inspection -

The connectors undergo 100% visual inspection when received from the vendor. In addition, the cable assemblies are visually inspected and electrical continuity, insulation verification and electrical bond testing are performed during PDA.

D. Failure History -

None.

E. Ground Turnaround -

None.

F. Operational Use -

1. Crew Response -

Pre-EVA/Post EVA: Troubleshoot problem. If unsuccessful, use alternate gloves. If no alternate gloves are available, EMU no-go for EVA.

EVA - If loss of fingertip heating occurs in one glove, terminate EVA. If loss of fingertip heating occurs in both gloves, turn off power from battery, terminate EVA.

2. Special Training -

None.

3. Operational Considerations -

Not Applicable.

EXTRAVEHICULAR MOBILITY UNIT  
SYSTEMS SAFETY REVIEW PANEL REVIEW  
FOR THE  
I-106 GLOVE ASSEMBLY  
CRITICAL ITEM LIST (CIL)

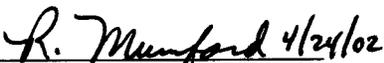
EMU CONTRACT NO. NAS 9-97150

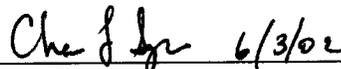
Prepared by:   
HS - Project Engineering

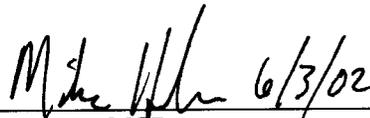
Approved by:  22mar02  
NASA - SSA/SSM

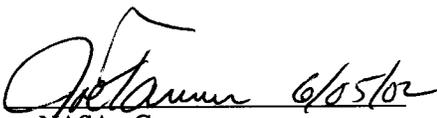
  
HS - Reliability

 5/23/02  
NASA - EMU/SSM

 4/24/02  
HS - Engineering Manager

 6/3/02  
NASA - S & MA

 6/3/02  
NASA - MOD

 6/5/02  
NASA - Crew

 6/3/02  
NASA - Program Manager