

- o Date 9-12-86
- o Revision - N/C
- o System - Audio
- o Assembly - Hand-Held Microphone
- o Part Number - SE016101310-305
- o Item Name - Printed circuit board
- o Reference Designation - None
- o Quantity per Assembly - 1
- o Function - Amplifies audio signal from microphone
- o Failure Mode - EEE parts failure; loss of communication
- o Failure Cause - EEE parts failure due to mechanical shock, vibration or crushing of the HHM housing
- o Mission Phase - On-Orbit
- o Failure Effect on End Item - Loss of communication
- o Failure Effect on Interface - None
- o Failure Effect on Mission - None
- o Failure Effect on Crew - None
- o Failure Effect on Vehicle - None
- o Failure Detection on Ground - Visual inspection and/or Audio Evaluation Test
- o Failure Detection during Flight - Visual inspection and/or Voice Test
- o Correcting Action - Use spare unit or VLHS
- o Criticality (Hardware/Functional) - 3/1R
- o Time Required to take Corrective Action - Estimated 5 minutes
- o Time Available to take Corrective Action - Variable
- o Remarks/Hazards - The HHM printed circuit board is conformal coated, and thermal and functional tests are performed on it after fabrication. The p.c.b. is solidly mounted in a very thin, lightweight case, which is vulnerable to crushing forces.

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ATTACHMENT -
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