

8.4 FMEA Number - D3-1

- o Date 9-12-86
- o Revision - N/C
- o System - Audio
- o Assembly - Hand-Held Microphone
- o Part Number - SED16101310-305
- o Item Name - Intercom and Transmit Switches
- o Reference Designation - None
- o Quantity per Assembly - 2
- o Function - Trigger the audio system to activate either the intercom or air-to-ground transmission system
- o Failure Mode - Switch fails open; loss of one or both of the functions
- o Failure Cause - Switch failure due to mechanical shock or mishandling
- o Mission Phase - On-Orbit
- o Failure Effect on End Item - Loss of communication on one or both the intercom or air-to-ground 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 push-button switches are small and somewhat fragile, and can be damaged by high shock and/or vibration, or by abusive handling.

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