MSFC INSPECTIONS OF INSTALLED POLYIMIDE WIRE

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MSFC INSPECTIONS OF INSTALLED POLYIMIDE WIRE HARNESSSES

• AN ALERT WAS ISSUED BECAUSE OF THE ARC-TRACKING POSSIBILITIES OF THIS TYPE OF WIRED

• MSFC UNDERTOOK A PROGRAM TO TRY TO ENHANCE THE SAFETY AND RELIABILITY OF THESE HARNESSSES

• ONE ELEMENT OF THIS PROGRAM WAS INSPECTION OF INSTALLED WIRING HARNESSSES

• PHOTOGRAPHS WILL BE PRESENTED SHOWING THE NEED FOR SUCH INSPECTIONS
IRING HARNESS TOO NEAR THE EXHAUST PLUME OF HYPERGOLIC THRUSTER

SPLICES OF WIRING HARNESS UNDER HARNESST TIE
EXCESSIVE LENGTH IN HARNESS LINES AND IMPROPER SUPPORT OF HARNESS

IMPROPER SUPPORT OF WIRE LENGTH NEAR CONNECTORS
SHARP BEND OF HARNESS COMING OUT OF CONNECTOR

HARNESS AGAINST SHARP EDGES
ABRASION OF HARNESS AGAINST SHARP EDGE
SESSION III

WIRING TEST RESULTS