MSFC INSPECTIONS OF INSTALLED POLYIMIDE WIRE

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MSFC INSPECTIONS OF INSTALLED POLYIMIDE WIRE HARNESSES

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

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

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

• PHOTOGRAPHS WILL BE PRESENTED SHOWING THE NEED FOR SUCH INSPECTIONS
TEAM MEETING (NASA AND CONTRACTOR) PREPARING FOR HARNESS INSPECTION

WIRING HARNESS COMPRESSED UNDER PROPELLANT LINE
Wiring harness too near the exhaust plume of hypergolic thruster.

Splices of wiring harness under harness tie.
EXCESSIVE LENGTH IN HARNESS LINES AND IMPROPER SUPPORT OF HARNESS.

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

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

WIRING TEST RESULTS