STEREO IMPACT

PROBLEM REPORT PR-7008 SEPT-NS Bracket 2005-4-25

PR Numbers: 1xxx=UCB, 2xxx=Caltech/JPL, 3xxx=UMd, 4xxx=GSFC/SEP, 5xxx=GSFC/Mag, 6xxx=CESR, 7xxx=Keil, 8xxx=ESTEC, 9xxx=MPAe

Assembly : IMPACT SEP	SubAssembly: SEPT-NS
Component/Part Number:	Serial Number: FM1 (SN002),
•	FM2(SN004)
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Failure Occurred During (Check one $\sqrt{\ }$

√ Functional test Qualification test S/C Integration Launch operations

Environment when failure occurred:

√ Ambient Vibration Shock Acoustic
Thermal Vacuum Thermal-Vacuum EMI/EMC

Problem Description

The 9 pin connector (J1) at the bottom of the side panel of both SEPT-NS's (FM1 – SN#002 & FM2 – SN#004), cannot be properly torqued after it is mated due to interference with the flight bracket (part #205-429). Also, the J1 (9 pin) connector standoff (when facing the connector the standoff on the right) is loose and needs to be replaced.

Analyses Performed to Determine Cause

When the bracket was designed the mating/torque of this connector was not considered.

Corrective Action/ Resolution

√ Rework Repair Use As Is Scrap

- 1. Drill 2 0.156 diameter holes in each of the brackets (FM1 SN#002 & FM2 SN#004, as indicated in IMPACT WOA# 501.
- 2. Replace the loose standoff on the J1 connector.

Date Action Taken: 2005-4-25	Retest Results: Success	
Corrective Action Required/Performed on other Units Serial Number(s): _		
Closure Approvals		
Subsystem Lead:	Date:	
IMPACT Project Manager:	Date	
ĬMPACT QA:	Date:	
NASA IMPACT Instrument Manager	Data	