TASK: P754067

WK PKG: PR ET-093-ST-0013
ENG GRP: ETM
TSK LDR:

FLOC: VAB
MLOC: ET-93
STS/FLT: 107 /001

TITLE: CONDITION: EB-1 INTERNAL BORE HAS BARE METAL

OPERATIONS LIST

NUMBER TaskBarCode	TITLE	OperationBarCode	DEPT/SHOP
10	CONDITION: EB-1 INTERNAL BORE HAS BARE METAL		
20	CONDITION: EB-1 INTERNAL BORE HAS BARE METAL		53700 SCH

P754067

National Aeronautics and Space Administration
John F. Kennedy Space Center

1. Report Number
- [ ] INTERIM PROBLEM REPORT
- [x] PROBLEM REPORT PV-6-389914
- [ ] DISCREPANCY REPORT

USA PAGE 1 OF

2. Detected During	3. Work Area/Location/Zone	4. End Item Control Number
S0033 OP 140	VAB-2	ET-93-~~TS~~ ST-0013 SEP 25 '02

5. Part/Program Name	6. Part/Program Number (1)	7. Serial/Rev No.
EB-1 FITTING	80913000637-001	NONE

8. NHA Part Number	9. STS/Eff	10. Reported by	11. Date/Time
80913000635	107T093	R. PATTON ZQ6651	1000 8-30-02

9-25-02

12. Item	13. Problem Description
1.0	CONDITION: EB-1 INTERNAL BORE HAS BARE METAL
	S/B: NO BARE METAL
	ENG. CON: MARK WOLLAM ETM

TPS/RSI Instl'd: [ ] Yes [x] No C/P Instl'd: [ ] Yes [x] No C/P Part Number:

14. Process Escape	15. Constraints	16. Crit	17. Eng Grp	18. MR Reqd	19. Out of Family
[ ] Yes [x] No	See CRR [ ] To: TS002.013	H/W 1 F/M 3	ETM	[ ] Yes [x] No ITEMS:	[ ] Yes [x] No ITEMS:

20. Item	21. Disposition/Cause/Corrective Action	22. Tech	Contr
	SEE UTOP Mark Wollam 9/16/02		

USA VM 043 OCT 02 2002

23. Data Code	24. Final Acceptance Date
T08U4 848 ~~230~~ OCT 02 2002	SEP 25 '02

25. RC Action Reqd	26. Related Reports
[ ] Yes [x] No ITEMS:	UTOP CHG INDEX

OCT 08 2002 USA VM 081

KSC FORM 2-152 (REV. 6/01)

ORIGINAL

USA
United Space Alliance

UTOP Change Index

WAD: PR 2T-093-ST-0013

DATE/TIME OF RELEASE	DATE	STAMP	REMARKS
9/23/02 01:08:33PM	SEP 25 '02	075 597	OP 20 ADDED

MISSING PRIMER IN EB-1 BORE

Element/End Item: **ET**
Flow/Usage: **STS-107**
Facility: **VAB**
Design Center Concurrence: **NA**
Category:
OPR: **ETM**
TTL ORG: **SE**

This document does not contain hazardous operations.

KENNEDY SPACE CENTER - SPACE TRANSPORTATION SYSTEM

Approval Record

MISSING PRIMER IN EB-1 BORE

Technical Contact: Mark Wollam **Phone:** 1-3372

Category II TOP Only

This Approval Record is for all Operation No(s) listed below:

Initial Released Operations: 10

Added Operations:

Deleted Operations:

Replaced Operations:

Change Index Added:

Check Family Type: In Family[X] Out of Family[ ] NMA[ ]

Organization	Name (Printed)	Name (Signature)	Date
ETM SE	Mark Wollam	Mark Wollam	9/16/02
SE Check	Tom Ford	Tom Ford	9.16.02

Approval Record

MISSING PRIMER IN EB-1 BORE

Technical Contact: Mark Wollam **Phone:** 1-3372

Category II TOP Only

This Approval Record is for all Operation No(s) listed below:

Initial Released Operations: 10

Added Operations: 20

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Check Family Type: In Family [X] Out of Family[ ] NMA[ ]

Organization	Name (Printed)	Name (Signature)	Date
ETM SE	Mark Wollam	Mark Wollam	9/23/02
SE Check	Tom Ford	Tom Ford	9.23.02

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1.0 INFORMATION

1.3 Operations List

Operation		Shop/ Cntl Rm Console	OPR	Haz (Y/N)	Duration (Hrs)
No.	Title				
10	Repair Primer	ET/	ETM	N	2.1
20	Closure	ET/ NA	ETM	N	1.0

2.0 SAFETY INFORMATION

2.4 Reference Safety Documentation

Number	Rev	Title
KHB 1710.2	LI	KSC Safety Practices Handbook
GSOP 5400	LI	Ground Safety Operating Procedure

3.0 STAGING REQUIREMENTS

4.0 PLANNING REQUIREMENTS

OIR Required Yes [ ], No [X]

Predecessors: None

Successors: None

Configuration Required: None

5.0 CONFIGURATION ACCOUNTING AND VERIFICATION

OPERATION 10 Repair Primer

Shop: **ET**
Cntrl Rm Console:
OPR: **ETM**
Zone:
Hazard (Y/N): **N**
Duration (Hrs): **2.1**

10-1 **Verify** no damaged metal (i.e. scratched, pitted, or corroded) at PD 1 area.

T: 0700 SEP 18 '02

10-2 **Prep** PD 1 rework surface area per T5045.015

Log no. VAB-091302-01 T: 0700 SEP 18 '02

10-3 **Apply** epoxy primer to PD 1 area per T5045.020

Log no. VAB-091302-02 T: 0700 SEP 18 '02

*** End of Operation 10 ***

OPERATION 20 Closure

Shop: **ET**
Cntrl Rm Console: **NA**
OPR: **ETM**
Zone: **na**
Hazard (Y/N): **N**
Duration (Hrs): **1.0**

Concluding Summary

Ref PD 1.0 Several small areas of epoxy primer were removed from EB-1 internal bolt cavity during ET/SRB Demate operations per S0033. Even though drawing Ref: 80901019010 (LI) ET Post-Build Acceptance Manual section 3.10 allows missing primer within the EB-1/2 inner bore, it will be several months before this area is closed out and the bare metal needed to be protected from corrosion.

The areas were verified free from metal damage / corrosion and repaired per OMI T5045.015 / 020. RC action is not required. No further rework required.

Cause PD 1: Unavoidable.

***** End of Concluding Summary *****

20-1 **Close** this PR.

Qw:_____
SEP 25 '02

*** End of Operation **20** ***