TASK: P760788

WK PKG: PR ET-093-TS-0014
ENG GRP: ETM
TSK LDR:

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

TITLE: FWD PERIPHERY HAS NUMEROUS VOIDS

OPERATIONS LIST

NUMBER	TITLE		DEPT/SHOP
TaskBarCode		OperationBarCode	
10	FWD PERIPHERY HAS NUMEROUS VOIDS		
20	FWD PERIPHERY HAS NUMEROUS VOIDS		53700 SCH

P 760788

WC 121 11-26-0 USA

National Aeronautics and Space Administration
John F. Kennedy Space Center

1. Report Number
☐ INTERIM PROBLEM REPORT
☒ PROBLEM REPORT FV-6 - 393855
☐ DISCREPANCY REPORT

2. Detected During	3. Work Area/Location/Zone	4. End Item Control Number
T1297.002 RUN 3 120-2	VAB HB1 D2 N	ET-93-TS- 0014

5. Part/Program Name	6. Part/Program Number	7. Serial/Rev No.
-Y AFT FAIRING CLOSEOUT	80971029440-520	NONE

8. NHA Part Number	9. STS/Eff	10. Reported by	11. Date/Time
80901010000	~~114~~ 107 * T093	JACK GARDNER ZQ6459 VAB OPS 1-1198	11/26/02 0530

12. Item	13. Problem Description
1	FWD PERIPHERY HAS NUMEROUS VOIDS
2	-Z SPLICE PLATE C/O HAS AN UNDER FILL
3	-Z AFT BOLT HOLE HAS AN UNDER FILL

① QE 188 JPC 12/3

TPS/RSI Instl'd: ☐ Yes ☒ No C/P Instl'd: ☐ Yes ☒ No C/P Part Number:

14. Process Escape	15. Constraints	16. Crit	17. Eng Grp	18. MR Reqd	19. Out of Family
☐ Yes ☒ No	See CRR ☐ To: A5214.002	H/W F/M 1 3	ETM	☒ Yes ☐ No ITEMS: 1	① ☒ Yes ~~☒ No~~ ITEMS: 1.0

20. Item	21. Disposition/Cause/Corrective Action	22. Tech	Contr	Govt
	SEE UTOP FOR DISPO			
	ETM [signature] 11/26/02			
	ME 10			

USA VM 141

USA VM 032

23. Data Code	24. Final Acceptance Date
T 0 9 ~~M~~ Z 2 1 -2 0 7 USA VM 079 12/2/02	

1001 12-4-02 SPO 967

25. RC Action Reqd	26. Related Reports
☐ Yes ☒ No ITEMS:	UTOP CHG INDEX DEV INDEX W/DEV TOI ① Tom Ford 12.4.02

1.2.03 USA VM 142

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

ORIGINAL

USA
United Space Alliance

UTOP Change Index

WAD: ET-093 -TS -011

DATE/TIME OF RELEASE	DATE	STAMP	REMARKS
12-2-02 06:56:07pm	12-3-02	WC 134 USA	op 20

-Y AFT FAIRING TPS CLOSEOUT VOIDS & UNDERFILLS

Element/End Item: **ET-093**
Flow/Usage: **STS-107**
Facility: **VAB**
Design Center Concurrence: **NA**
Category:
OPR: **ETM**
TTL ORG: **TO**

This document does not contain hazardous operations.

12-3-02

11/26/02 02:17:33 PM Official PR ET-093-TS-0014

Approval Record

-Y AFT FAIRING TPS CLOSEOUT VOIDS & UNDERFILLS

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 WC 134 USA

Comments: _____

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

Organization	Name (Printed)	Name (Signature)	Date
ETM SE	Mark Wollam	Mark Wollam	11/26/02
SE Check	Lynn R. Seebs	Lynn R. Seebs	11/26/02

12-3-02 WC 12 US

12/2/02 06:56:07 PM Official PR ET-093-TS-0014

Approval Record

-Y AFT FAIRING TPS CLOSEOUT VOIDS & UNDERFILLS

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*

Deleted Operations:

Replaced Operations:

Change Index Added

Comments:

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

Organization	Name (Printed)	Name (Signature)	Date
ETM SE	W. Richards		12/02/02
SE Check	Tom Ford	Tom Ford	12/03/02
NASA SE	J. RIVERA		12/03/02
LM ET LSS	SCOTT OTTO		12/03/02

12/2/02 06:56:07 PM Official PR ET-093-TS-0014

The following signatures are for the MR disposition only.

Organization	Name (Printed)	Name (Signature)	Date
OPR-MR	JOHN BUE		12-3-02
NASA-SE	J. RIVERA		
ET-LSS	~~F. KIE~~ S. OTTO		12/3/02
MSFC RO	F. KIENITZ		12/3/02
QE	DAVID W. HOPE	CUB 12/3/02	12/3/02

12-5-02

12/4/02 12:53:09 PM Official PR ET-093-TS-0014

Approval Record

-Y AFT FAIRING TPS CLOSEOUT VOIDS & UNDERFILLS

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, 20 *

Added Operations: 30 *

Deleted Operations:

Replaced Operations:

Change Index Added

Comments:

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

Organization	Name (Printed)	Name (Signature)	Date
ETM SE	Tom Ford	Tom Ford *	12.4.02
SE Check	JOHN BLUE		12-4-02
LM ET LSS			

Table of Contents:

1.0 INFORMATION **1**
1.3 Operations List 1
2.0 SAFETY INFORMATION **1**
2.4 Reference Safety Documentation 1
3.0 STAGING REQUIREMENTS **1**
3.1 Required Engineering Documentation 1
3.1.1 Drawings 1
3.2 Parts, Materials, Equipment, and Special Tools 2
3.2.4 Non-Flight Materials 2
3.2.5 Shop Support Materials 2
3.2.8 Personal Protective Equipment 2
4.0 PLANNING REQUIREMENTS **2**
5.0 CONFIGURATION ACCOUNTING AND VERIFICATION **2**

ET-093-TS-0014

1.0 INFORMATION

1.3 Operations List

Operation		Shop/ Cntl Rm Console	OPR	Haz (Y/N)	Duration (Hrs)
No.	Title				
10	Remove voids, fwd closeout and underfills	VABOP S/ NA	ETM	N	2.00
20	MRB to repair	ET/ NONE	ETM	N	16.0
30	Summary Closure	SUPOP/ 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

3.1 Required Engineering Documentation

3.1.1 Drawings

OPERATION 20

Document No.	Rev	Title
80901019010	(LI)	ET Offsite Acceptance Criteria
80971029440-520	(LI)	ET Off Site TPS Close-out

3.2 Parts, Materials, Equipment, and Special Tools

3.2.4 Non-Flight Materials

OPERATION 20

Part No./Find No.	Nomenclature	Qty	Unit
9320011829220	sealant putty	1	roll

3.2.5 Shop Support Materials

OPERATION 20

Part No./Find No.	Nomenclature	Qty	Unit
9330-00-K27-0610	Phenolic Sheet		sheet
9330-00-K27-0611	Phenolic Sheet		sheet
9330-00-K04-3227	shim stock	1	each
9330-00-K04-3228	shim stock	1	each
8135-00-K02-4629	Etha Foam	1	sheet

3.2.8 Personal Protective Equipment

OPERATION 10	**Nomenclature**
	chemical splash goggles
	long sleeve disposable coveralls
	solvent resistant gloves
OPERATION 20	**Nomenclature**
	N-Dex gloves
	industrial goggles
	coveralls

4.0 PLANNING REQUIREMENTS

OIR Required Yes [ ], No [X]
Predecessors, Successors, Configuration Required: None

5.0 CONFIGURATION ACCOUNTING AND VERIFICATION