TASK: P759826

WK PKG: PR ET-093-ST-0017
ENG GRP: ETM
TSK LDR:

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

TITLE: SHIMS DO NOT MEET GAP REQUUIREMENTS ON AFT FAIRINGS

OPERATIONS LIST

NUMBER TaskBarCode	TITLE	OperationBarCode	DEPT/SHOP
10	SHIMS DO NOT MEET GAP REQUUIREMENTS ON AFT FAIRINGS		
20	SHIMS DO NOT MEET GAP REQUUIREMENTS ON AFT FAIRINGS		53700 SCH

P759824

WC 147 USA

National Aeronautics and Space Administration
John F. Kennedy Space Center

1. Report Number
☐ Interim Problem Report
☒ Problem Report
☐ Discrepancy Report
PVG-393280

PAGE 1 OF 1

2. Detected During	3. Work Area/Location/Zone	4. End Item Control Number
RUN 3 T1297.002	VAB HB2	ET-93-ST-0017

5. Part/Program Name	6. Part/Program Number	7. Serial/Rev No.
SHIMS	809110091Z4-011	NONE

8. NHA Part Number	9. STS/Elf	10. Reported by	11. Date/Time
MM911048525	107/709	Tom Ford ER5956 USA ETM TOM FORD 1-3354	11.14.02

12. Item	13. Problem Description
1.0	Shims do not meet gap requirements on aft fairings.

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: T1297.002 SEQ 20-4	H/W F/M I / III	ETM	☐ Yes ☒ No ITEMS:	☐ Yes ☒ No ITEMS:

20. Step	21. Disposition/Cause/Corrective Action	22. Tech	Contr	Govt
1.0	Peel Per ATTACHMENT 1.0	F.		
	SUMMARY CLOSURE:			
	Goodall 9/24-007 Shims Could NOT BE INSTALLED They were Peeled TO FIT Per ACCEPTED Procedures. NO RC ACTION			
	CAUSE: EXPLAINED CONDITION Shims designed TO be Peeled AS Required. (Process Tolerance)			
2.0	CLOSE THIS PR W/A RIT D. Richards 11-14-02	RW		

USA VM 032

USA VM 026

23. Data Code	24. Final Acceptance Date	
T 0 8 A 4 800 0 9 3 12/3/02	NOV 18 '02	0185

25. RC Action Reqd	26. Related Reports	
☐ Yes ☒ No ITEMS:	UFOP CHG INDEX	DEC 09 2002 USA VM 081

KSC FORM 2-152 (REV. 8/01)

(2) - T.F W/A D. Richards

ORIGINAL

United Space Alliance

UTOP Change Index

WAD: ET-093-ST-0017

TE/TIME OF RELEASE	DATE	STAMP	REMARKS
11/15/02 10.11.51 AM	NOV 15 '02	WC 132 USA	Operation 20 Added

SHIMS DO NOT MEET GAP REQUIREMENTS

Element/End Item: **ET-93**
Flow/Usage: **STS-107**
Facility: **VAB**
Design Center Concurrence: **NA**
Category:
OPR: **ETM**
TTL ORG: **TO**

This document does not contain hazardous operations.

WC 132 USA NOV 15 '02

11/14/02 12:06:05 PM Official PR ET-093-SI-0017

Approval Record

SHIMS DO NOT MEET GAP REQUIREMENTS

Technical Contact: Tom Ford **Phone:** 1-3354

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 132 NOV 15 '02 USA

Comments:

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

Organization	Name (Printed)	Name (Signature)	Date
USA ETM	Tom Ford	Tom Ford	11-14-02
2nd Set	Mark Wollam	Mark Wollam	11-14-02

WC 132 USA

Approval Record

SHIMS DO NOT MEET GAP REQUIREMENTS

Technical Contact: Tom Ford **Phone:** 1-3354

Category II TOP Only

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Added Operations: 20

Deleted Operations:

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Change Index Added

Comments:

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Organization	Name (Printed)	Name (Signature)	Date
USA ETM	Tom Ford	Tom Ford	11-14-02
2nd Set	Mark Wollam	Mark Wollam	11-14-02

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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	Peel Shims to Fit	SUPOP/ NA	ETM	N	1.0
20	Summary/ Closure	ET/ NONE	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 Peel Shims to Fit

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

Interim Summary

Reference PD item 1.0, after the demate of ET-93, the aft fairings were sent back to MAF for refurbishment. When the fairings were being re-installed, the pre-peeled shims did not meet the gap requirements. This PR will peel the shims to meet the gap requirement.

- Y aft fairing

- Obtain new (2) 80911009124-011 Shim from logistics.
- Position the 80911009124-019 fairing support at mounting location on ET/SRB fitting assembly adjacent to lateral strut.
- Install (2) 80911009124-011 shims between fairing support and top and bottom surfaces of ET/SRB fitting assembly.
- Peel the shims to meet the gap requirements.

① Install (2) 80911009124-008 fillers between top and bottom surfaces of ET/SRB fitting assembly.

T: _____ 11-14-02

+ Y aft fairing

- Position the 80911009124-019 fairing support at mounting location on ET/SRB fitting assembly adjacent to lateral strut.
- Install (2) 80911009124-011 shims between fairing support and top and bottom surfaces of ET/SRB fitting assembly.
- Peel the shims to meet the gap requirements.

① Install (2) 80911009124-008 fillers between top and bottom surfaces of ET/SRB fitting assembly

T: _____ 11-14-02

*** End of Operation 10 ***

① Tom Ford 11/14/02

—011 shim 1

2 194

---

shi 3

sh 4 32

FITTING 80

PACK 940

ARM

OPERATION 20 Summary/ Closure

Shop: **ET**
Cntrl Rm Console: **NONE**
OPR: **ETM**
Zone: **None**
Hazard (Y/N): **N**
Duration (Hrs): **1.0**

Summary/ Closure

Reference PD item 1.0, during the performance of the aft fairing support installation the shims were found not to fit properly. The thickness measurements of the 4 shims were 0.192, 0.194, 0.168, and 0.032 inches. The 0.192 and 0.194 inch shims were peeled to meet gap requirements. No further rework required..

No RC action required.
Cause: ~~Process Tolerance~~ FAILURE USA VAN 070 12/3/02

***** End of Summary/ Closure *****

20-1 Close this PR.

Qw: OPS 897 NOV 18 02

*** End of Operation 20 ***

OPS 897