

1. Approving National Aviation
Authority/Country:

AUTHORIZED RELEASE CERTIFICATE

3. Form Tracking Number:
5670091010000-622273

FAA/UNITED STATES

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

4. Organization Name and Address:

Pratt & Whitney Composites
Pratt & Whitney Services, Inc.
4075 Ruffin Road
San Diego, CA 92123, USA

Repair Station:
C4DR564J

5. Work Order/Contract/Invoice Number:
96761

6. Item:

7. Description:

8. Part Number:

9. Eligibility: *

10. Quantity:

11. Serial/Batch Number:

12. Status/Work:

1 FWD FAN COWL LEFT ASSY

72N140-805

N/A

1

C9A4LH0037

OVERHAULED

13. Remarks:

CMM P/N 51A351, REVISION NOV 1, 2006

CMM 71-13-10, DISASSEMBLY, CMM 71-13-10, CLEANING; CMM 71-13-10, INSPECTION; CMM 71-13-10, REPAIR 3; CMM 71-13-10, REPAIR 8; CMM 71-13-10, REPAIR 10; CMM 71-13-10 REPAIR 20; REPAIR LOCATOR PER IEN 08KCG84; REPAIR EDGE PROTECTION PER CMM 71-13-10, REPAIR 18; APPLY EPOXY COATING PER CMM 71-13-10, REPAIR 7; CMM 71-13-10, REASSEMBLY; CMM 71-13-10, FINAL INSPECTION; REPAIR FAN COWL CORE & SURFACES PER IEN 08KCH16.

CLOSED PER FINANCE PURPOSES.

Certifies that the work specified in block 12/13 was carried out in accordance with Part-145 and in respect to that work the aircraft component is considered ready for release to service under EASA Approval Certificate number EASA.145.5103

Reprint of Tracking Number 5670091010000-604361

14. Certifies the items identified above were manufactured in conformity to:

- ☐ Approved design data and are in a condition for safe operation
☐ Non-approved design data specified in Block 13.

19. ☒ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 13
Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service

15. Authorized Signature:

16. Approval Authorization No:

20. Authorized Signature:

21. Approval/Certificate No:
C4DR564J

17. Name(Typed or Printed):

18. Date(mm/dd/yy):

22. Name(Typed or Printed):
LIEM NGUYEN

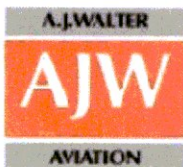
23. Date(mm dd yyyy):
Feb 02 2009

User/Installer Responsibilities:

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance record must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.



AJ Walter Aviation Ltd
Viscount House
Partridge Green
West Sussex
RH13 8RA
United Kingdom
T+ 44 1403 711 777
F+ 44 1403 710 936

Repair Order No.
96761

Date: 23/09/2008
No. of Items: 1
Page: 1

Order On:
ATTN: VALERIE IRAVANI
PRATT & WHITNEY COMPOSITES
4075 RUFFIN ROAD
SAN DIEGO, CA 92123
USA

Return To:
Viscount House
Partridge Green
West Sussex RH13 8RA
United Kingdom,

Ship Date: 23/09/2008

Phone #: 001 858 514 6314

Vendor Code: PWSAN-X

Insure?:

Fax #:

Warranty: No

Ship Via: _

Terms: None Specified

Sale Order No:

Employee: Samantha George

For queries please email *joe* ~~samantha.george~~@ajw-aviation.com

PLEASE CONFIRM RECEIPT OF THIS REPAIR ORDER

Item	Part Number / Description / SN	CD	Qty Out	UOM	Parts	Labour	Misc	Line Amt
1	72N140-805 FAN COWL DOOR, FWD SN: C9A4LH0037 PLEASE QUOTE UNDER T&M FOR REPAIR DUAL RELEASE REQUIRED REGARDS SAMANTHA The supply of these commodities is subject to the Export Control Policies of the United Kingdom, the European Union and the United States of America; disposal contra to these regulations is prohibited.	AR	1	EA	0.00	0.00	0.00	0.00

Please supply quote with complete breakdown of labour / spare costs and await our approval before proceeding. Unless otherwise stated, Dual Release to EASA Form1 / FAA 8130 & CAA requirements if available, with work report. All applicable airworthiness directives (AD's) must be verified / incorporated as required at service. All work carried out must be in accordance with the latest revision of the CMM or OEM drawings. The CMM number or OEM drawings, revision and date of the manual or drawings used, must be stated in block 13 of the release certificate. We, our customer or regulatory authorities reserve the right to inspect the goods and applicable records at all facilities involved in the order. Notification must be given to A J Walter of subsequent non-conformance or changes in product definition of products previously supplied. No PMA material to be used without prior consent.

Authorised Signature: _____

From: Samantha George Fax: Tel:

Parts Total:	0.00
Labor Total:	0.00
Misc Total:	0.00
Total:	0.00
Payable in USD	

**Pratt & Whitney**

A United Technologies Company

Pratt & Whitney Composites, Inc.

Inspection & Disposition**QA 110**

Part Name: FWD FAN COWL L/H

Pratt & Whitney Composites

Initial PN: 72N140-805

FAA Repair Station # C4DR564J

Final PN: 72N140-805

Sales Order: 5670091

Serial #: C9A4LH0037

Received Date: 10-28-08

Engine Type: PW4000

Status: OVERHAUL

Customer: A.J.W. AVIATION

Inspected by: R. GARCIA

Customer PO: 96761

Disposition by: D. BETTAHAR

Customer's Original Discrepancy:Confirmed: ☒ Yes ☐ No

TO BE REPAIRED AND MAKE SERVICEABLE.

Paint Scheme:

OUTSIDE SURFACE RED, CUSTOMER REQUESTS BAC702 WHITE EXTERIOR TOPCOAT.

Missing Components / Parts

None.

**Tap check for Delamination & Disbond per Pratt & Whitney Composites Quality
Instruction CP 010-010 (as required)**☒ Yes
☐ No**Comments:**

CMM PN 51A351, ATA 71-13-10.

1. Approving National Aviation
Authority/Country:

2.

AUTHORIZED RELEASE CERTIFICATE

3. Form Tracking Number:

5670091010000-622273

FAA/UNITED STATES

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

4. Organization Name and Address:

Pratt & Whitney Composites
Pratt & Whitney Services, Inc.
4075 Ruffin Road
San Diego, CA 92123, USA

Repair Station:
C4DR564J

5. Work Order/Contract/Invoice Number:
96761

6. Item:

7. Description:

8. Part Number:

9. Eligibility:*

10. Quantity:

11. Serial/Batch Number:

12. Status/Work:

1 FWD FAN COWL LEFT ASSY

72N140-805

N/A

1

C9A4LH0037

OVERHAULED

13. Remarks:

CMM P/N 51A351, REVISION NOV 1, 2006

CMM 71-13-10, DISASSEMBLY, CMM 71-13-10, CLEANING; CMM 71-13-10, INSPECTION; CMM 71-13-10, REPAIR 3; CMM 71-13-10, REPAIR 8; CMM 71-13-10, REPAIR 10; CMM 71-13-10 REPAIR 20; REPAIR LOCATOR PER IEN 08KCG84; REPAIR EDGE PROTECTION PER CMM 71-13-10, REPAIR 18; APPLY EPOXY COATING PER CMM 71-13-10, REPAIR 7; CMM 71-13-10, REASSEMBLY; CMM 71-13-10, FINAL INSPECTION; REPAIR FAN COWL CORE & SURFACES PER IEN 08KCH16.

CLOSED PER FINANCE PURPOSES.

Certifies that the work specified in block 12/13 was carried out in accordance with Part-145 and in respect to that work the aircraft component is considered ready for release to service under EASA Approval Certificate number EASA.145.5103

Reprint of Tracking Number 5670091010000-604361

14. Certifies the items identified above were manufactured in conformity to:

- ☐ Approved design data and are in a condition for safe operation
☐ Non-approved design data specified in Block 13.

19. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 13
Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service

15. Authorized Signature:

16. Approval Authorization No:

20. Authorized Signature:

21. Approval/Certificate No:

17. Name(Typed or Printed):

18. Date(mm/dd/yy):

22. Name(Typed or Printed):
LIEM NGUYEN

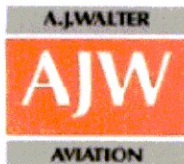
23. Date(mm dd yyyy):
Feb 02 2009

User/Installer Responsibilities:

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance record must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.



AJ Walter Aviation Ltd
Viscount House
Partridge Green
West Sussex
RH13 8RA
United Kingdom
T+ 44 1403 711 777
F+ 44 1403 710 936

Repair Order No.
96761

Date: 23/09/2008
No. of Items: 1
Page: 1

Order On:

ATTN: VALERIE IRAVANI
PRATT & WHITNEY COMPOSITES
4075 RUFFIN ROAD
SAN DIEGO, CA 92123
USA

Return To:

Viscount House
Partridge Green
West Sussex RH13 8RA
United Kingdom,

Ship Date: 23/09/2008

Insure?:

Ship Via: _

Employee: Samantha George

Phone #: 001 858 514 6314

Fax #:

Terms: None Specified

Vendor Code: PWSAN-X

Warranty: No

Sale Order No:

For queries please email *joe* ~~samantha~~ *george* ~~george~~ @ajw-aviation.com

PLEASE CONFIRM RECEIPT OF THIS REPAIR ORDER

Item	Part Number / Description / SN	CD	Qty Out	UOM	Parts	Labour	Misc	Line Amt
1	72N140-805 FAN COWL DOOR, FWD SN: C9A4LH0037 PLEASE QUOTE UNDER T&M FOR REPAIR DUAL RELEASE REQUIRED REGARDS SAMANTHA The supply of these commodities is subject to the Export Control Policies of the United Kingdom, the European Union and the United States of America; disposal contra to these regulations is prohibited.	AR	1	EA	0.00	0.00	0.00	0.00

Please supply quote with complete breakdown of labour / spare costs and await our approval before proceeding. Unless otherwise stated, Dual Release to EASA Form1 / FAA 8130 & CAA requirements if available, with work report. All applicable airworthiness directives (AD's) must be verified / incorporated as required at service. All work carried out must be in accordance with the latest revision of the CMM or OEM drawings. The CMM number or OEM drawings, revision and date of the manual or drawings used, must be stated in block 13 of the release certificate. We, our customer or regulatory authorities reserve the right to inspect the goods and applicable records at all facilities involved in the order. Notification must be given to A J Walter of subsequent non-conformance or changes in product definition of products previously supplied. No PMA material to be used without prior consent.

Authorised Signature: _____

From: Samantha George Fax: Tel:

Parts Total:	0.00
Labor Total:	0.00
Misc Total:	0.00
Total:	0.00
Payable in USD	

**Pratt & Whitney**

A United Technologies Company

Pratt & Whitney Composites, Inc.

Inspection & Disposition**QA 110**

Part Name: FWD FAN COWL L/H

Pratt & Whitney Composites

Initial PN: 72N140-805

FAA Repair Station # C4DR564J

Final PN: 72N140-805

Sales Order: 5670091

Serial #: C9A4LH0037

Received Date: 10-28-08

Engine Type: PW4000

Status: OVERHAUL

Customer: A.J.W. AVIATION

Inspected by: R. GARCIA

Customer PO: 96761

Disposition by: D. BETTAHAR

Customer's Original Discrepancy:Confirmed: ☒ Yes ☐ No

TO BE REPAIRED AND MAKE SERVICEABLE.

Paint Scheme:

OUTSIDE SURFACE RED, CUSTOMER REQUESTS BAC702 WHITE EXTERIOR TOPCOAT.

Missing Components / Parts

None.

**Tap check for Delamination & Disbond per Pratt & Whitney Composites Quality
Instruction CP 010-010 (as required)**☒ Yes☐ No**Comments:**

CMM PN 51A351, ATA 71-13-10.

Disposition 1**Discrepancy: WEAR**

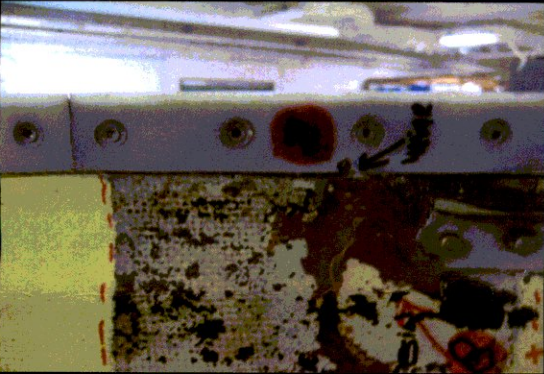
FAN COWL ALL 3 LOCATORS HAVE WEAR PBEYOND LIMITS AS FOLLOWS UPPER .085", MIDDLE .059", LOWER .085.

Disposition: Remove/Replace

CACTUS WIRE GENERATED TO CREATE REPAIR TO WELD REPAIR LOCATORS TO ORIGINAL DIMENSIONS.

Reference: CMM 71-13-10

Eng: Date: QE: Date: Insp: Date: Mech: Date: Mech: Date:

Disposition 2**Discrepancy: WEAR**

THE LOWER EDGE PROTECTION SEGMENT HAS WEAR AT THE UPPER END. MEASURES .770"L X .275"W. AS WELL HAS A FOREIGN COATING UNDERNEATH OF IT.

Disposition: Remove/Replace

Remove/Replace per CMM 71-13-10, Disassembly Section 7.

Reference: CMM 71-13-10

Eng: Date: QE: Date: Insp: Date: Mech: Date: Mech: Date:

Disposition 3**Discrepancy: CORE REMOVED**

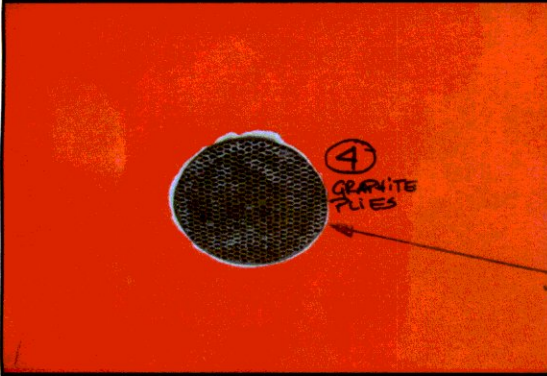
THE FAN COWL WAS RECEIVED IN SHOP WITH THE AIR-WETTED SKIN AND THE CORE REMOVED, ONLY THE NON-WETTED SKIN REMAINS INTACT, MEASURES APPROX 180 SQ IN (20X18/2). LOCATED AT 19" FROM UPPER EOP X 4.0" FROM FWD EOP.(ZONE D-6) EXT. SURFACE.

Disposition: Generate Cactus Wire

Exceeds Repair limits of CMM 71-13-10. More than 5.58in². Generate Cactus wire to create new EA to repair this area.

Reference: CMM 71-13-10

Eng: Date: QE: Date: Insp: Date: Mech: Date: Mech: Date:

Disposition 4**Discrepancy: EXPOSED CORE**

THE FAN COWL EXTERNAL SURFACE OF ZONE D-6 HAS AN AREA OF 3.200" OF CIRCUNFERENCE WITH THE HONEYCOMB CORE EXPOSED. LOCATED AT 48" FROM UPPER EOP X 11" FROM FWD EOP.

Disposition: Generate Cactus Wire

Exceeds Repair limits of CMM 71-13-10. More than 5.58in². Generate Cactus wire to create new EA to repair this area.

Reference: CMM 71-13-10

Eng: Date: QE: Date: Insp: Date: Mech: Date: Mech: Date:

Disposition 5**Discrepancy: DELAMINATION**

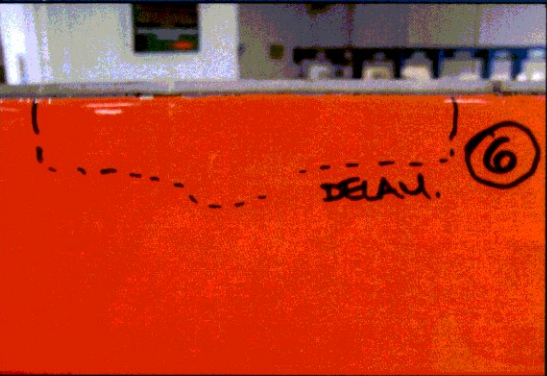
THE FAN COWL AT FWD-UPPER CORNER IS DELAMINATED MEASURES 1.350"L X .350"W. EXTERNAL SURFACE OF ZONE D-3.

Disposition: Repair Delamination

Repair Delamination per CMM 71-13-10, Repair 10.

Reference: CMM 71-13-10

Eng: Date: QE: Date: Insp: Date: Mech: Date: Mech: Date:

Disposition 6**Discrepancy: DELAMINATED**

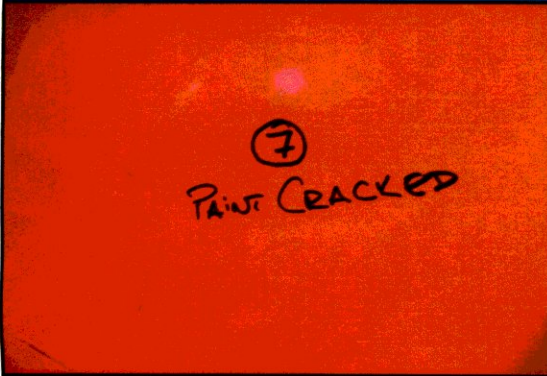
THE FAN COWL IS DELAMINATED, MEASURES 3.995"L X 1.070"W, LOCATED AT EXTERNAL SURFACE OF ZONE D-3 X 55" FROM UPPER EOP. POSSIBLE HIDDEN DAMAGE (CRACK) 1.0"L.

Disposition: Generate Cactus Wire

Exceeds Repair limits of CMM 71-13-10. More than 5.58in². Generate Cactus wire to create new EA to repair this area.

Reference: CMM 71-13-10

Eng: Date: QE: Date: Insp: Date: Mech: Date: Mech: Date:

Disposition 7**Discrepancy: PAINT CRACKING**

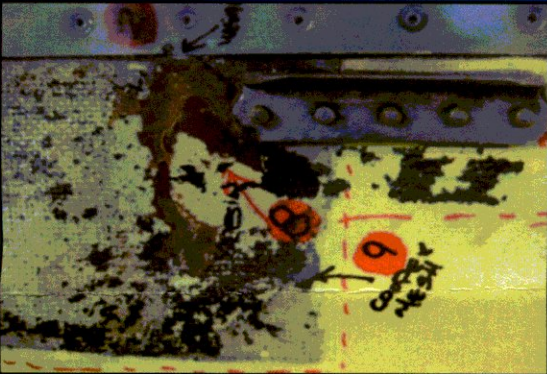
FAN COWL, THE EXTERNAL SURFACE HAS THE PAINT CRACKING.

Disposition: Customer Request

Remove and re-paint surface with BMS 10-11, BAC 702 White Gloss Paint.

Reference: BMS 10-11

Eng: Date: QE: Date: Insp: Date: Mech: Date: Mech: Date:

Disposition 8**Discrepancy: EXCESSIVE COATING**

INTERNAL SURFACE AT ZONE D-3 WHERE THE EDGE PROTECTION SPLITS TOWARDS THE LOCATOR, HAS A PREVIOUS REPAIR WITH EXCESSIVE COATING. THE OUTER SURFACE IS DELAMINATED SEE DISC. #6.

Disposition: Refer to Disp. 9

Excessive coating exists in area of damaged copper mesh. This damage will be consumed in the repair of Discrepancy 9 per CMM 71-13-10, Repair 8.

Reference: CMM 71-13-10

Eng: Date: QE: Date: Insp: Date: Mech: Date: Mech: Date:

Disposition 9**Discrepancy: ABRASION**

INNER SURFACE AROUND MIDDLE LOCATOR AREA BETWEEN ZONES D-2 AND D-3 HAS ABRASION, THE COPPER MESH IS DAMAGED MEASURES 5"L X 5"W, AS WELL THE PRIMER COATING ADJACENT TO THIS AREA IS PEELING OFF.

Disposition: Repair Copper Mesh

Repair Copper Mesh per CMM 71-13-10, Repair 8.

Reference: CMM 71-13-10

Eng: Date: QE: Date: Insp: Date: Mech: Date: Mech: Date:

Disposition 10**Discrepancy: FPI REQUIRED**

FPI TO THE GOOSENECK ASSY REQUIERD PER PW TRAVELLER
SUBJECT 4, ITEM 0040/2.

Disposition: Perform FPI

Perform local FPI per SPOP

Reference: CMM 71-13-10

Eng:

Date:

QE:

Date:

Insp:

Date:

Mech:

Date:

Mech:

Date: