



ÚŘAD PRO CIVILNÍ LETECTVÍ
ČESKÁ REPUBLIKA
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PŘÍKAZ K ZACHOVÁNÍ LETOVÉ ZPŮSOBILOSTI

Číslo: DCA/750XL/13

Datum účinnosti: 26. dubna 2007

PACIFIC AEROSPACE CORPORATION

letadlo model PAC 750XL

Tento PZZ je vydáván pro výrobek transferovaný pod působnost EASA

Na základě rozhodnutí EASA je následující Příkaz k zachování letové způsobilosti závazný pro všechny výrobky provozované v EU, na které se daný PZZ vztahuje.

Provedení PZZ, který se vztahuje podle typu a výrobního čísla na výrobek je pro provozovatele/vlastníka letadla zapsaného do leteckého rejstříku závazné. Neprovedením PZZ ve stanoveném termínu dojde ke ztrátě letové způsobilosti výrobku.

Poznámky:

- Provedení tohoto PZZ musí být zapsáno do provozní dokumentace letadla.
- Případné dotazy týkající se tohoto PZZ adresujte na ÚCL sekce technická.
- Pokud to vyžaduje povaha tohoto PZZ, musí být zpracován do příslušné části dokumentace pro obsluhu, údržbu a opravy letadla.

Airworthiness Directive

- DCA/750XL/13** **Aileron Inboard Hinge Attachment – Inspection and Modification**
- Applicability:** Model PAC 750XL aircraft, S/N 101, 102, 104 through to 120, and 122 through to 129, except aircraft with modification PAC/XL/0285 already embodied.
- Requirement:** To prevent cracks developing in the aileron spar adjacent to the inboard hinge attachment accomplish the following:
- Remove both ailerons, inspect and modify the aileron spar at the inboard hinge attachment point in accordance with Pacific Aerospace Ltd Service Bulletin PACSB/XL/027.
- Note:** Aileron removal, installation and rigging procedures are detailed in PAC 750XL Maintenance Manual Chapter 27-10-00.
- Compliance:** Within the next 150 hours TIS or six months, whichever occurs sooner.
- Effective Date:** 26 April 2007



Aircraft Certification Service
Federal Aviation Administration

FAA MCAI INFORMATION FORM

To: Airworthiness Authority of USA (FAA)

In support of the FAA's actions to address your country's Mandatory Continued Airworthiness Information (MCAI) in the United States, please provide the items highlighted below by _____, if not contained in the referenced Airworthiness Directive (AD) or service information.

| Aircraft Manufacturer/Model | ECAA AD/Revision No./Date | Service Bulletin/Revision No./Date |
|-----------------------------|---------------------------|------------------------------------|
| PAC 750XL | DCA/750XL/13 | PACSB/XL/027 |

1. Describe the unsafe condition, AND its root cause. Include description of how the problem could affect the safe operation of the airplane.

Cracks develop in the aileron spar at the inboard hinge attachment point.

2. Provide the number and description of occurrences that prompted the AD.

Number of Occurrences:Two

Description: Refer description in PACSB/XL/027

3. How was the compliance time (s) established?

Modification to be accomplished as soon as possible (within the next 150 hours TIS or six months, whichever is the sooner).

4. Cost of parts and/or installation work hours for the owner/operator (data from the manufacturer and their supplier, if applicable):

Costs:Warranty cover (Refer PACSB/XL/027)

Work hours:3 man hours per aileron (Refer PACSB/XL/027)

5. If parts are required, are they available for all aircraft?

Yes No Not applicable

Availability/Lead Time:Available as of 2 April 2007

6. What category best describes the cause of the unsafe condition?

Design Problem Quality Control Problem Operational
Maintenance Unapproved Parts Other (Specify)

7. Should a ferry flight be permitted?

Yes No

8. Number of aircraft affected, by serial number (S/N) (U.S. Registered and Worldwide):

ALL, or S/N: 101, 102,104 through 120, 122 through to 129

U.S. Registered

Worldwide (including) U.S. Registered 20

9. If this is interim action, is terminating action available? If so, please provide description and recommended compliance time. Embodiment of Modification PAC/XL/0285 is a terminating action.

10. Other: Refer DCA/750XL/13 and PACSB/XL/027

Date: 23 April 2007



PACIFIC AEROSPACE LIMITED

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PACSB / XL / 027

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REPAIR / STIFFENING AILERON INBOARD HINGE ATTACHMENT

1. PLANNING INFORMATION

- | | | |
|----|--------------------|--|
| A. | EFFECTIVITY | PAC 750XL aircraft S/N's 101, 102, 104 through 120, 122 Through 129. |
| B. | REASON | To prevent / repair cracking of the aileron spar at the inboard hinge attachment point. |
| C. | DESCRIPTION | Two cases were reported where the aileron spar started cracking at the inboard hinge attachment point. |
| D. | COMPLIANCE | As soon as practicable, but no later than the next 150 hrs inspection of the aircraft. |
| E. | APPROVAL | By the delegated authority. |
| F. | TOOLING | No special tools required |
| G. | WEIGHT AND BALANCE | Not affected. |
| H. | REFERENCE | PAC 750XL Maintenance Manual Chapter 27-10-00 and drawing 11-03141/42. |
| I. | HOURS REQUIRED | 3:00 Man Hours per Aileron |
| J. | WARRANTY COVER | Normal warranty conditions apply |

2. ACCOMPLISHMENT INSTRUCTIONSA. Method:

- i) Remove the ailerons i a w the MM Chapter 27-10-00, Pg 409, Par 15.
- ii) Rework the ailerons i a w drawing 11-03141/42.
- iii) Reinstall the ailerons i a w MM Chapter 27-10-00, Pg 409, Par 16.

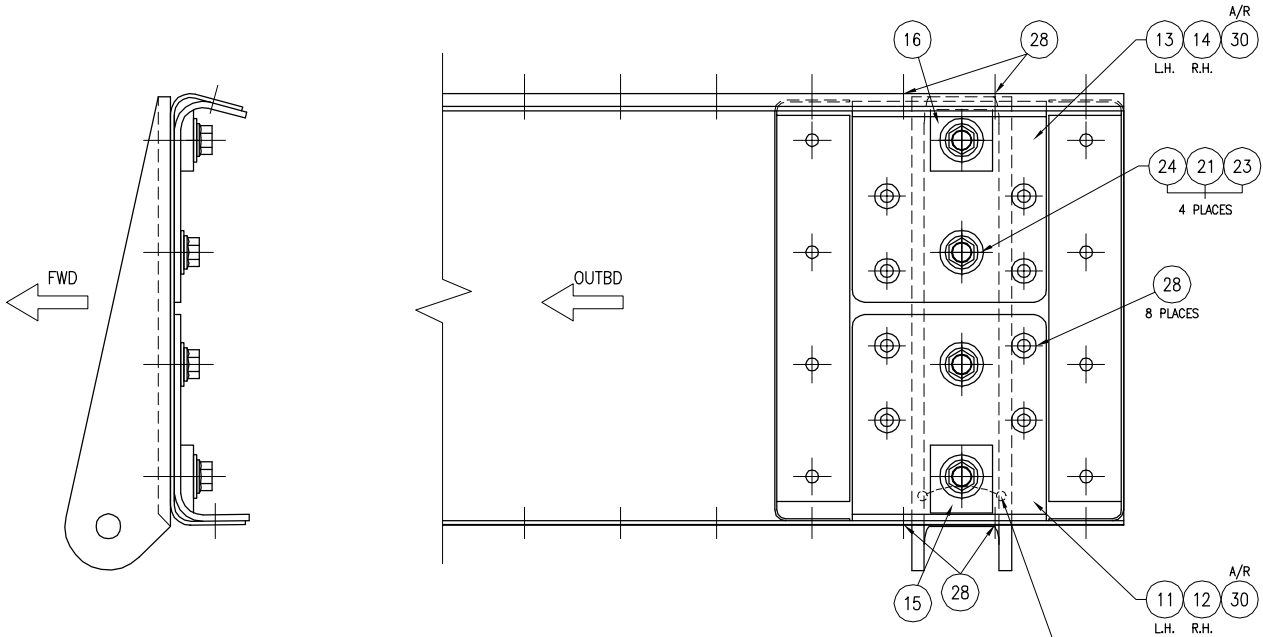
3. CERTIFICATION

Record compliance with this Bulletin and Modification PAC/XL/0285 in the aircraft log book.

4. MATERIAL REQUIRED:

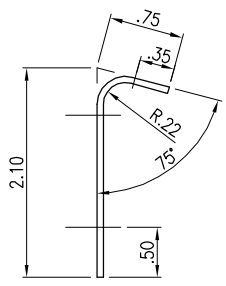
| | | |
|-----------------------|-------------|-----------|
| Doubler – Lower – LH | 11-03141-11 | (Qty: 1) |
| Doubler – Upper – LH | 11-03141-12 | (Qty: 1) |
| Doubler – Lower – RH | 11-03142-11 | (Qty: 1) |
| Doubler – Upper – RH | 11-03142-12 | (Qty: 1) |
| Throat Washer – Lower | 11-03141-13 | (Qty: 1) |
| Throat Washer – Upper | 11-03141-14 | (Qty: 1) |
| Washer | AN960-10L | (Qty: 4) |
| Nut | MS21042-3 | (Qty: 4) |
| Screw | MS24694-S56 | (Qty: 4) |
| Rivet | TLPD-4298S | (Qty: 12) |
| Adhesive Sealant | AMS-S8802 | (Qty: AR) |

Hardware will be available through the normal after sales service department as from the 2nd April 2007.



VIEW ON AILERON SPAR
 11-03141-1 (L.H.) DRAWN
 11-03142-1 (R.H.) OPPOSITE HAND

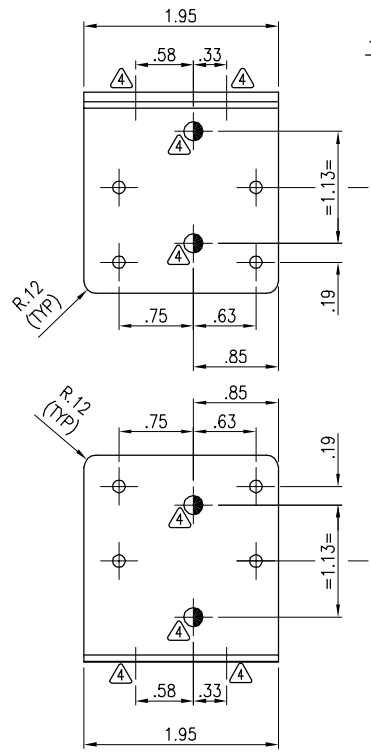
STOP DRILL
 CRACK IN SPAR
 IF CRACK PRESENT



11-03141-12 (L.H.)



11-03141-11 (L.H.)



11-03141-14

11-03141-13

NOTES:

1. INSTALLATIONS/REPAIRS ON THIS DRAWING TO BE IN ACCORDANCE WITH STANDARD AIRCRAFT PRACTICES AND PROCEDURES.
2. MANUFACTURE TO COORD WITH MATING PARTS.
3. 11-03141-1 (L.H.) DRAWN.
11-03142-1 (R.H.) OPPOSITE HAND.

⚠ DRILL TO COORD WITH EXISTING HOLES THRU SPAR.

5. HOLE LEGEND:
- ⊕ DRILL .128 DIA. (No. 30 DRILL)
 - ⊙ DRILL .191 DIA. (No. 11 DRILL)

| A/R | A/R | 30 | AMS-S8802 | ADHESIVE SEALANT - PRC TYPE |
|-----|-----|------|-------------|--|
| | | 29 | | |
| 12 | 12 | 28 | TLPD-429BS | RVET |
| | | 27 | | |
| | | 26 | | |
| | | 25 | | |
| 4 | 4 | 24 | MS24694-S56 | SCREW (10-32 - 100° CSK.) |
| 4 | 4 | 23 | MS21042-3 | NUT |
| | | 22 | | |
| 4 | 4 | 21 | AN960-10L | WASHER |
| | | 20 | | |
| | | 19 | | |
| | | 18 | | |
| | | 17 | | |
| 1 | 1 | 16 | 11-03141-14 | THROAT WASHER - UPPER - ALC. SHT. - .125 THK. - 2024-T3 |
| 1 | 1 | 15 | 11-03141-13 | THROAT WASHER - LOWER - ALC. SHT. - .125 THK. - 2024-T3 |
| 1 | - | 14 | 11-03142-12 | DOUBLER - UPPER (R.H.) - ALC. SHT. - .063 THK. - 2024-T3 |
| - | 1 | 13 | 11-03141-12 | DOUBLER - UPPER (L.H.) - ALC. SHT. - .063 THK. - 2024-T3 |
| 1 | - | 12 | 11-03142-11 | DOUBLER - LOWER (R.H.) - ALC. SHT. - .063 THK. - 2024-T3 |
| - | 1 | 11 | 11-03141-11 | DOUBLER - LOWER (L.H.) - ALC. SHT. - .063 THK. - 2024-T3 |
| | | 10 | | |
| | | 9 | | |
| | | 8 | | |
| | | 7 | | |
| | | 6 | | |
| | | 5 | | |
| | | 4 | | |
| | | 3 | | |
| ✓ | | 2 | 11-03142-1 | REPAIR - AILERON - R.H. PAC/XL/0285 |
| | ✓ | 1 | 11-03141-1 | REPAIR - AILERON - L.H. PAC/XL/0285 |
| -1 | -1 | ITEM | PART NUMBER | DESCRIPTION - SIZE - SPECIFICATION NEXT ASSEMBLY |

| NC | ISSUE | PACIFIC AEROSPACE LTD | | | | UNLESS OTHERWISE SPECIFIED |
|------------------|------------|--|-----------|-------------|------------|---|
| - | CHANGE No. | HAMILTON AIRPORT | HAMILTON | NEW ZEALAND | | THIRD ANGLE PROJECTION |
| FIRST PRODUCTION | ISSUE | THIS DRAWING IS THE PROPERTY OF PACIFIC AEROSPACE LIMITED AND MAY NOT BE COPIED OR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUPPLIED WITHOUT THE EXPRESS WRITTEN AUTHORITY OF PACIFIC AEROSPACE LIMITED. | | | | DIMENSIONS IN INCHES BREAK SHARP CORNERS DEBURR |
| | CHANGE | MODEL | 750 XL | DRAWN | D. ROBERTS | 26-03-07 |
| | | FINISH | APS 9-1-2 | CHECK | | |
| | | WEIGHT | - | STRESS | | |
| | | SCALE | 1:1 | APPROVAL | | |
| DR | DRAWN | DESCRIPTION | | | | DRAWING NUMBER |
| | APPR'D | REPAIR / STIFFENING | | | | 11-03141/42 |
| | DATE | AILERON INBOARD HINGE ATTACHMENT | | | | SHEET 1 OF 1 |

IF IN DOUBT ASK

27 April 2007

Continuing Airworthiness Sections
National Airworthiness Authorities
ICAO Contracting States

Notification of Airworthiness Directive issued for New Zealand Aeronautical Products IAW ICAO Annex 8.

The following Airworthiness Directive has been issued by the New Zealand Civil Aviation Authority who is the responsible state of design national airworthiness authority for the product in accordance with ICAO Annex 8.

DCA/750XL/13 Aileron Inboard Hinge Attachment – Inspection and Modification

This AD is prompted by two reports where the aileron spar started cracking at the inboard hinge attachment point. This AD mandates the stiffening of the aileron inboard hinge attachment point in accordance with Pacific Aerospace Limited Mandatory Service Bulletin No. PACSB/XL/027 (embodiment of modification PAC/XL/0285).

A copy of this AD is attached. All NZ ADs are available from our website.

<http://www.caa.govt.nz/ads/ADs.htm>

Yours faithfully

Owen Olls
Airworthiness Specialist

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