



## **SERVICE ENGINEERING ALERT NOTICE**

**SEAN-008-2013**

**Date: February 14, 2013**

AIRCRAFT AFFECTED: All CV340/440/640 Series Aircraft and Derivatives (580/5800)

SUBJECT: Cracking of Wing Lower Surface Skin at End Rivet of Access Door Doubler at WS 6.

PURPOSE: The purpose of this Service Engineering Alert Notice is to inform registered owners/operators of CV340/440/640 and derivative aircraft of the release of Kelowna Flightcraft Ltd Convair Division Service Bulletin 340-57-001 dated February 12, 2013 and of Transport Canada Airworthiness Directive CF-2013-04.

### REFERENCES:

1. Kelowna Flightcraft Convair Division Service Engineering Alert Notice SEAN-007-2013, dated January 22, 2013.
2. Kelowna Flightcraft Ltd Convair Division Service Bulletin 340-57-001 Dated February 12, 2013.
3. Convair Report ZS-340-1000 Revision 1, dated April 15, 1991
4. Transport Canada Airworthiness Directive (AD) CF-2013-04 Issue Date 14 Feb 2013
5. FAA AD 92-06-06

### BACKGROUND:

Ref [1] advised operators of a significant crack finding in the wing lower surface skin at a fastener location attaching the wing access door doubler finger at the nacelle inboard drag angle.

The reported crack is in the inspection area of Ref [3] Structurally Significant Detail (SSD) 57-1-4.

The inspections of Ref [3] are mandated by the Ref [5] Airworthiness Directive.

The nacelle drag angle makes external inspection per Ref [3] SSD 57-1-4 not effective to detect cracking of the wing lower surface skin in this area.

Ref [1] advised operators to accomplish a special inspection of the wing lower surface skin for cracks that may have gone undetected in the area of the access door doubler end fingers at the nacelle drag angle and advised that a service bulletin was being developed that will provide new inspection methods for detection of cracking of the wing lower surface skin at the access door doubler fingers located between WS 5 and WS 6.



**ACTION:**

Kelowna Flightcraft Ltd Convair Division Service Bulletin 340-57-001 dated February 25 has been released and is applicable to models 340 and 440 aeroplanes, all serial numbers, including aeroplanes that have been converted to turbo-propeller power and commonly referred to as models 580, 600, 640 and 5800.

The Ref [2] Service Bulletin provides inspection methods and intervals to detect cracking of the wing lower surface skin in the area of the access door doubler attachment at the nacelle drag angle between WS 5 and WS 6.

The actions of the Ref [2] Service Bulletin are mandated by Transport Canada AD CF-2013-04 and are approved as an Alternate Means of Compliance (AMOC) to AD92-06-06 for the inspections of the wing lower surface skin per Ref [3] SSD 57-1-4 in the inspection area of the Ref [2] Service Bulletin.

If you require additional information regarding this subject or if copies of references are required, please contact the Kelowna Flightcraft Ltd Convair Division at:

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A handwritten signature in black ink that reads "Matt Palmberg".

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Matt Palmberg  
Manager  
Convair Division