



No.	CF-2012-20	1/2
Issue Date	21 June 2012	

AIRWORTHINESS DIRECTIVE

The following airworthiness directive (AD) may be applicable to an aircraft which our records indicate is registered in your name. ADs are issued pursuant to **Canadian Aviation Regulation (CAR) 521 Division X**. Pursuant to **CAR 605.84** and the further details of **CAR Standard 625, Appendix H**, the continuing airworthiness of a Canadian registered aircraft is contingent upon compliance with all applicable ADs. Failure to comply with the requirements of an AD may invalidate the flight authorization of the aircraft. Alternative means of compliance shall be applied for in accordance with **CAR 605.84** and the above-referenced **Standard**.

This AD has been issued by the Continuing Airworthiness Division (AARDG), National Aircraft Certification Branch, Transport Canada, Ottawa, telephone 613-952-4357.

- Number:** CF-2012-20
- Subject:** Cracking of the Wing Spar Lower Caps
- Effective:** 3 July 2012
- Replacement:** Supersedes Federal Aviation Administration (FAA) Airworthiness Directive (AD) 2009-23-03, dated 9 November 2009.
- Applicability:** Hawker Beechcraft aeroplanes:
Model 1900 – serial number UA-3,
Model 1900C – serial numbers UB-1 through UB-74,
Model 1900C (C-12J) – serial numbers UC-1 through UC-174 and UD-1 through UD-6
Model 1900D – serial numbers UE-1 through UE-439
- Compliance:** As indicated below, unless already accomplished.
- Background:** The FAA issued AD 2009-23-03 to mandate the installation of a manufacturer developed modification kit on the wing rear spar lower cap. This modification terminated the 200 hour repetitive inspection as required by FAA AD 2006-24-11.
- Further analysis from the manufacturer has reduced the compliance time for the modification installation kit. As such, this AD supersedes FAA AD 2009-23-03 to address the compliance period for Canadian registered aeroplanes.
- This AD is issued to prevent fatigue cracks in the wing spar lower caps, which may result in fatigue failure of the wing rear spar lower caps. A rear spar failure may result in complete wing failure.
- Corrective Actions:** **Part I – Inspection**
- At intervals not to exceed 200 hours air time following the last inspection required by FAA AD 2006-24-11, perform a detailed visual inspection (DVI) on both the left and right wing rear spar lower caps for cracks and other damage such as loose or missing fasteners in accordance with the Accomplishment Instructions in Raytheon Mandatory Service Bulletin 57-3815, issued October 2006.
 - If cracks are found, before next flight, repair all cracks in accordance with an FAA approved repair scheme from Hawker Beechcraft Corporation.
 - Within 30 days from each inspection, report the inspection results to Hawker Beechcraft Cooperation using the instructions and forms in the Service Bulletin (SB).

Pursuant to **CAR 202.51** the registered owner of a Canadian aircraft shall, within seven days, notify the Minister in writing of any change of his or her name or address.

To request a change of address, contact the **Civil Aviation Communications Centre (AARC)** at Place de Ville, Ottawa, Ontario K1A 0N8, or 1-800-305-2059, or www.tc.gc.ca/civilaviation/communications/centre/address.asp

Part II – Terminating Action

- A. Within 7200 hours total air time or 6 months, whichever occurs first, from the effective date of this AD, install the applicable modification kits as specified below in accordance with the Accomplishment Instructions of Hawker Beechcraft Mandatory SB 57-3816, issued January 2008.

Aeroplane model	Serial numbers	Modification Kit #
1900	UA-3	114-4052-1 and 114-4067-0001
1900C	UB-1 through UB-74	
1900C (C-12J)	UC-1 through UC-174, and UD-1 through UD-6	118-4012-1 or 118-4012-3 and 118-4014-0003
1900D	UE-1 through UE-439	

- B. Installing the above modifications terminates the repetitive inspection required by Part I of this AD.

Authorization: For the Minister of Transport, Infrastructure and Communities,

ORIGINAL SIGNED BY

Derek Ferguson
Chief, Continuing Airworthiness

Contact: Yosha Mendis, Continuing Airworthiness, Ottawa, telephone 613-952-4357, facsimile 613-996-9178 or e-mail ADs@tc.gc.ca or any Transport Canada Centre.

Document released under the Access to Information Act / Document divulgué en vertu de la Loi sur l'accès à l'information