

**2009-23-03 Hawker Beechcraft Corporation** (Type Certificate previously held by Raytheon Aircraft Company): Amendment 39-16075; Docket No. FAA-2009-0165; Directorate Identifier 2008-CE-055-AD.

**Effective Date**

(a) This AD becomes effective on December 14, 2009.

**Affected ADs**

(b) This AD supersedes AD 2006-24-11, Amendment 39-14840. AD 2006-18-51 relates to the subject of this AD.

**Applicability**

(c) This AD applies to the following airplane models and serial numbers that are certificated in any category:

	Serial numbers
<b>Group 1 Model Airplanes</b>	
(1) 1900	UA-3
(2) 1900C	UB-1 through UB-74
<b>Group 2 Model Airplanes</b>	
(1) 1900C (C-12J)	UC-1 through UC-174, and UD-1 through UD-6
(2) 1900D	UE-1 through UE-439

**Unsafe Condition**

(d) This AD results from the manufacturer developing a modification kit to install on the wing rear spar lower caps that will terminate the 200-hour repetitive inspection required in AD 2006-24-11. We are issuing this AD to prevent fatigue cracks in the wing rear spar lower caps, which could result in fatigue failure of the wing rear spar lower caps. A rear spar failure could result in complete wing failure and the wing separating from the airplane.

**Compliance**

(e) To address this problem, you must do the following, unless already done:

Actions	Compliance	Procedures
(1) For Group 1 and Group 2 airplanes: Repetitively inspect both the left and right wing rear spar lower caps for cracks and other damage, such as loose or missing fasteners.	Repetitively inspect at intervals not to exceed 200 hours time-in-service (TIS) after the last inspection required by AD 2006-24-11.	Follow the procedures in Raytheon Mandatory Service Bulletin 57-3815, Issued: October 2006.

<p>(2) For Group 1 and Group 2 airplanes: If cracks are found, repair all cracks by obtaining and incorporating an FAA-approved repair scheme from the manufacturer.</p>	<p>Before further flight after any inspection required by paragraph (e)(1) of this AD where cracks are found.</p>	<p>For the repair scheme, contact Hawker Beechcraft Corporation at P.O. Box 85, Wichita, Kansas 67201-0085; phone: (800) 429-5372; fax: (316) 676-8745; email: tom_peay@rac.ray.com.</p>
<p>(3) For Group 1 and Group 2 airplanes: Report the inspection results to Hawker Beechcraft Company (formerly Raytheon Aircraft Company) using the instructions and forms in the service bulletin. Complete all sections of the required forms. Reporting requirements have been approved by the Office of Management and Budget (OMB) and assigned OMB control number 2120-0056.</p>	<p>Report the repetitive inspection results within 30 days after the inspection.</p>	<p>Follow the procedures in Raytheon Mandatory Service Bulletin 57-3815, dated Issued: October 2006.</p>
<p>(4) For Group 1 airplanes: Install Modification Kit 114-4052-1 and Modification Kit 114-4067-0001.</p>	<p>Upon reaching 22,000 total hours TIS or within the next 3 years after December 14, 2009 (the effective date of this AD), whichever occurs later. Installing the modification kits terminates the repetitive inspections required by paragraph (e)(1) of this AD.</p>	<p>Follow the procedures in Hawker Beechcraft Mandatory Service Bulletin SB 57-3816, Issued: January 2008. For further assistance with procedures for shoring an airplane, you may contact the manufacturer at the address specified in paragraph (h)(3) of this AD.</p>
<p>(5) For Group 2 airplanes: Install Modification Kit 118-4012-1 or 118-4012-3 and Modification Kit 118-4014-0003.</p>	<p>Upon reaching 22,000 total hours TIS or within the next 3 years after December 14, 2009 (the effective date of this AD), whichever occurs later. Installing the modification kits terminates the repetitive inspections required by paragraph (e)(1) of this AD.</p>	<p>Follow the procedures in Hawker Beechcraft Mandatory Service Bulletin SB 57-3816, Issued: January 2008. For further assistance with procedures for shoring an airplane, you may contact the manufacturer at the address specified in paragraph (h)(3) of this AD.</p>

(6) For all affected Group 1 and Group 2 airplanes: You may install the modification kits specified in paragraphs (e)(4) and (e)(5) of this AD at any time before the required compliance times specified in paragraphs (e)(4) and (e)(5) of this AD. Installing the modification kits terminates the repetitive inspections required by paragraph (e)(1) of this AD.	As of December 14, 2009 (the effective date of this AD).	Not applicable.
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### **Alternative Methods of Compliance (AMOCs)**

(f) The Manager, Wichita Aircraft Certification Office (ACO), FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. Send information to ATTN: Steve Potter, Aerospace Engineer, ACE-118W, Wichita Aircraft Certification Office (ACO), 1801 Airport Road, Room 100, Wichita, Kansas 67209, phone: (316) 946-4124, fax: (316) 946-4107. Before using any approved AMOC on any airplane to which the AMOC applies, notify your appropriate principal inspector (PI) in the FAA Flight Standards District Office (FSDO), or lacking a PI, your local FSDO.

(g) AMOCs approved for AD 2006-24-11 are not approved for this AD.

### **Material Incorporated by Reference**

(h) You must use Raytheon Mandatory Service Bulletin 57-3815, Issued: October 2006, and Hawker Beechcraft Mandatory Service Bulletin 57-3816, Issued: January 2008, to do the actions required by this AD, unless the AD specifies otherwise.

(1) The Director of the Federal Register approved the incorporation by reference of Hawker Beechcraft Mandatory Service Bulletin SB 57-3816, Issued: January 2008, under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) On December 11, 2006 (71 FR 70297, December 4, 2006), the Director of the Federal Register approved the incorporation by reference of Raytheon Mandatory Service Bulletin 57-3815, Issued: October 2006.

(3) For service information identified in this AD, contact Hawker Beechcraft, Attn: Airline Technical Support, P.O. Box 85, Wichita, Kansas 67201; telephone: (800) 429-5372; fax: (316) 676- 8745; Internet: <http://www.hawkerbeechcraft.com>.

(4) You may review copies of the service information incorporated by reference for this AD at the FAA, Central Region, Office of the Regional Counsel, 901 Locust, Kansas City, Missouri 64106. For information on the availability of this material at the Central Region, call (816) 329-3768.

(5) You may also review copies of the service information incorporated by reference for this AD at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call (202) 741-6030, or go to: [http://www.archives.gov/federal\\_register/code\\_of\\_federal\\_regulations/ibr\\_locations.html](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html).