

2010-10-10 Hawker Beechcraft Corporation (Type Certificate No. A00010WI Previously Held by Raytheon Aircraft Company): Amendment 39-16289; Docket No. FAA-2010-0158; Directorate Identifier 2010-CE- 006-AD.

Effective Date

(a) This AD becomes effective on June 21, 2010.

Affected ADs

(b) None.

Applicability

(c) This AD applies to Model 390 airplanes, serial numbers RB-4 through RB-248, that are certificated in any category.

Subject

(d) Air Transport Association of America (ATA) Code 24: Electric Power.

Unsafe Condition

(e) This AD results from a report that the metal oxide varistor (MOV) and spark gap wiring of the essential bus lightning strike protection were swapped. We are issuing this AD to detect and correct improper installation of the MOV and spark gap wiring, which could result in overload of the MOV in a lightning strike and allow electrical energy to continue to the essential bus and disable equipment that receives power from the essential bus. The disabled equipment could include the autopilot, anti-skid system, hydraulic indicator, spoiler system, pilot primary flight display, audio panel, or the 1 air data computer. This failure could lead to a significant increase in pilot workload during adverse operating conditions.

Compliance

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

Actions	Compliance	Procedures
(1) Inspect the essential bus lightning strike protection for proper installation of MOV and spark gap wiring.	Within the next 200 hours time-in-service after June 21, 2010(the effective date of this AD) or within the next 12 months after June 21, 2010 (the effective date of this AD), whichever occurs first.	Follow Hawker Mandatory Service Bulletin SB 24-3995, issued September 2009.
(2) Where improper wiring installation is found, rework the essential bus lightning strike wiring installation for the MOV and spark gap.	Before further flight after the inspection in paragraph (f)(1) of this AD.	Follow Hawker Mandatory Service Bulletin SB 24-3995, issued September 2009.

Alternative Methods of Compliance (AMOCs)

(g) 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: Kevin Schwemmer, Aerospace Engineer, FAA, Wichita Aircraft Certification Office (ACO), 1801 Airport Road, Room 100, Wichita, Kansas 67209; telephone: (316) 946-4174; fax: (316) 946-4107; e-mail: kevin.schwemmer@faa.gov. 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.

Material Incorporated by Reference

(h) You must use Follow Hawker Mandatory Service Bulletin SB 24- 3995, issued September 2009, 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 this service information under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) For service information identified in this AD, contact Hawker Beechcraft Corporation, 9709 East Central, Wichita, Kansas 67201; telephone: (316) 676-5034; fax: (316) 676-6614; Internet: https://www.hawkerbeechcraft.com/service_support/pubs/.

(3) 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.

(4) 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.