



**FEDERAL AVIATION ADMINISTRATION  
AIRWORTHINESS DIRECTIVES  
SMALL AIRCRAFT, ROTORCRAFT, GLIDERS,  
BALLOONS, & AIRSHIPS**

**BIWEEKLY 2010-06**

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U.S. Department of Transportation  
Federal Aviation Administration  
Regulatory Support Division  
Delegation and Airworthiness Programs Branch, AIR-140  
P. O. Box 26460  
Oklahoma City, OK 73125-0460  
FAX 405-954-4104



## SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

AD No.	Information	Manufacturer	Applicability
Info: E - Emergency; COR - Correction; S - Supersedes; R - Revision; - See AD for additional information;			
<b>Biweekly 2010-01</b>			
2009-26-05		Pilatus Aircraft Ltd	PC-7
2009-26-07	S 2009-12-51	Turbomeca	Engine: Arriel 1A1, 1A2, 1B, 1C, 1C1, 1C2, 1D, 1D1, 1E2, 1K1, 1S, and 1S1
2009-26-08	S 2006-21-12	AeroSpace Technologies of Australia Pty Ltd	N22B, N22S, and N24A
2009-26-12	S 2008-19-05	Engine Components, Inc. (ECi)	See AD
<b>Biweekly 2010-02</b>			
2009-21-08 R1		PIAGGIO AERO INDUSTRIES S.p.A.	P-180
2010-01-03		Fire Fighting Enterprises Limited	See AD
2010-02-01		Turbomeca S.A	Arriel 1B, 1D, and 1D1
2010-02-51	E	AGUSTA S.p.A	A109A, A109A II, A109C, and A109K2
<b>Biweekly 2010-03</b>			
2009-19-51		Agusta S.p.A	AB139 and AW139
2009-26-11	S 2006-07-15	Thrush Aircraft, Inc.	See AD
2010-02-07		Eurocopter France	Rotorcraft: SE3160, SA315B, SA316B, SA316C, and SA319B
2010-02-08		Turbomeca	Engine: Turmo IV A and IV C
2010-03-01		Eurocopter France	Rotorcraft: AS332L1, AS332L2, and EC225LP
2010-03-02		Lifesaving Systems Corp.	Appliance
<b>Biweekly 2010-04</b>			
2009-23-51		Sikorsky Aircraft Corporation	Rotorcraft: S-92A
2010-03-03		Bell Helicopter Textron, Inc	Rotorcraft: 205B and 212
2010-03-04		PIAGGIO AERO INDUSTRIES S.p.A	P-180
2010-03-06		Turbomeca	Engine: Arriel 2B and 2B1
2010-03-09		Piaggio Aero Industries S.p.A	P-180
<b>Biweekly 2010-05</b>			
2010-04-05	S 2003-12-05	McCaughey Propeller Systems	Propeller: 1A103/TCM
2010-04-06		Thielert Aircraft Engines GmbH	Engine: TAE 125-01
2010-04-07		Turbomeca	Engine: Arriel 2S1
2010-04-11		Extra Flugzeugproduktions- und Vertriebs- GmbH	EA-300/200, EA-300/L
2010-04-14		Augustair, Inc	2150, 2150 <sup>a</sup> , 2180
2010-04-15		SCHEIBE-Flugzeugbau GmbH	Glider: SF 25C
2010-04-16		SICLI	Appliance: portable fire extinguishers
2010-05-02	S 2009-08-10	Pilatus Aircraft Ltd	PC-12/47E
2010-05-51	E	Eurocopter	Rotorcraft: EC120B
<b>Biweekly 2010-06</b>			
2010-05-10		Hawker Beechcraft	B300, B300C
2010-06-02		Hawker Beechcraft	G58



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**2010-05-10 Hawker Beechcraft Corporation (Type Certificate Previously Held by Raytheon Aircraft Company):** Amendment 39-16220; Docket No. FAA-2009-1180; Directorate Identifier 2009-CE-060-AD.

**Effective Date**

(a) This AD becomes effective on April 8, 2010.

**Affected ADs**

(b) None.

**Applicability**

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

<b>Models</b>	<b>Serial Nos.</b>
B300	FL-381, FL-383 through FL-530, FL-532, FL-534 through FL-596, FL-598, and FL-600.
B300C	FM-12 through FM-25.

**Subject**

(d) Air Transport Association of America (ATA) Code 31: Instruments.

**Unsafe Condition**

(e) This AD results from reports of the left and right pitot heat annunciators not illuminating for an inoperative pitot heat condition. We are issuing this AD to detect and correct the installation of an incorrect bus bar, which could result in failure of the pitot heat annunciators to illuminate. This failure could lead to moisture freezing on the pitot tube(s) and cause erroneous flight instrument indication.

**Compliance**

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

<b>Actions</b>	<b>Compliance</b>	<b>Procedures</b>
(1) Do an operational check of the left and right pitot heat annunciators for illumination.	Within the next 15 hours time-in-service (TIS) after April 8, 2010 (the effective date of this AD) or within the next 30 days after April 8, 2010 (the effective date of this AD), whichever occurs first.	Follow Hawker Beechcraft Mandatory Service Bulletin SB 31-3948, Issued: April 2009.
(2) If the left and/or right pitot heat annunciators do not illuminate, install a placard on the instrument panel within the pilot's clear view specifying the pitot heat annunciator(s) as inoperative.	Before further flight after the operational check required in paragraph (f)(1) of this AD.	Follow Hawker Beechcraft Mandatory Service Bulletin SB 31-3948, Issued: April 2009.
(3) Inspect the terminal board on the circuit card rack assembly to determine if a five-hole bus bar is installed.	Within the next 50 hours TIS after April 8, 2010 (the effective date of this AD) or within the next 3 months after April 8, 2010 (the effective date of this AD), whichever occurs first.	Follow Hawker Beechcraft Mandatory Service Bulletin SB 31-3948, Issued: April 2009.
(4) If a five-hole bus bar is found installed during the inspection required in paragraph (f)(3) of this AD, perform an operational check. If the operational check detects anomalies, contact the manufacturer specified in paragraph (i)(2) of this AD to obtain an FAA-approved repair scheme and incorporate the repair scheme.	Before further flight after the inspection required in paragraph (f)(3) of this AD.	Follow Hawker Beechcraft Mandatory Service Bulletin SB 31-3948, Issued: April 2009.
(5) If a four-hole bus bar is found installed during the inspection required in paragraph (f)(3) of this AD, replace it with a five-hole bus bar and perform an operational check. If the operational check detects anomalies, contact the manufacturer specified in paragraph (i)(2) of this AD to obtain an FAA-approved repair scheme and incorporate the repair scheme.	Before further flight after the inspection required in paragraph (f)(3) this AD.	Follow Hawker Beechcraft Mandatory Service Bulletin SB 31-3948, Issued: April 2009.
(6) If proper operation of the left and right pitot heat annunciators is verified in paragraphs (f)(4) and (f)(5) of this AD, remove the placard that was installed in paragraph (f)(2) of this AD.	Before further flight after doing the operational check required in paragraphs (f)(4) and (f)(5) of this AD.	Follow Hawker Beechcraft Mandatory Service Bulletin SB 31-3948, Issued: April 2009.

Note: The operational check required in this AD is different from the pilot's pre-flight check. An FAA-approved licensed mechanic authorized to do maintenance is required to do the operational check.

(g) The inspection action of paragraph (f)(3) of this AD and the follow-on actions of paragraphs (f)(4) and (f)(5) of this AD may be done instead of the operational check and the placard requirements of paragraphs (f)(1) and (f)(2) of this AD provided the inspection is done within the next 15 hours TIS after April 8, 2010 (the effective date of this AD).

### **Alternative Methods of Compliance (AMOCs)**

(h) 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, ACE-118W, Wichita ACO, 1801 Airport Road, Room 100, Wichita, Kansas 67209, telephone: (316) 946-4174, 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.

### **Material Incorporated by Reference**

(i) You must use Hawker Beechcraft Mandatory Service Bulletin SB 31-3948, Issued: April 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, Attn: Airline Technical Support, P.O. Box 85, Wichita, Kansas 67201; telephone: (800) 429-5372; fax: (316) 676-8745; Internet: <http://www.hawkerbeechcraft.com>.

(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](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html).

Issued in Kansas City, Missouri, on February 24, 2010.  
James E. Jackson,  
Acting Manager, Small Airplane Directorate,  
Aircraft Certification Service.



**2010-06-02 Hawker Beechcraft Corporation:** Amendment 39-16226; Docket No. FAA-2009-1176; Directorate Identifier 2009-CE-062-AD.

**Effective Date**

(a) This AD becomes effective on April 15, 2010.

**Affected ADs**

(b) None.

**Applicability**

(c) This AD applies to Model G58 airplanes, serial numbers TH-2125 through TH-2172 and TH-2174 through TH-2220, that are certificated in any category.

**Subject**

(d) Air Transport Association of America (ATA) Code 32: Landing Gear.

**Unsafe Condition**

(e) This AD results from reports received of a power wire shorting out on the brake reservoir tube. We are issuing this AD to detect and correct inadequate clearance of the brake reservoir tubing and the heater fuel pump wiring, which could result in chafing and shorting out of the electrical wiring and chafing of the tubing carrying flammable fluids. This condition could lead to a fire in the nose wheel well.

**Compliance**

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

Actions	Compliance	Procedures
(1) Inspect the installation of the stand-off hardware between the heater fuel line and heater over-temperature sensor wires for minimum clearance.	Within the next 50 hours time-in-service (TIS) after April 15, 2010 (the effective date of this AD) or within the next 12 months after April 15, 2010 (the effective date of this AD), whichever occurs first.	Follow Hawker Beechcraft Mandatory Service Bulletin SB 32-3898, dated November 2008.

(2) If, during the inspection required in paragraph (f)(1) of this AD, the stand-off hardware is not installed or it does not maintain the minimum clearance, install stand-off hardware as specified in the service information.	Before further flight after the inspection where the missing stand-off hardware and/or inadequate clearance was found.	Follow Hawker Beechcraft Mandatory Service Bulletin SB 32-3898, dated November 2008.
(3) Inspect the brake reservoir line and the fuel heater power wire for damage.	Within the next 50 hours TIS after April 15, 2010 (the effective date of this AD) or within the next 12 months after April 15, 2010 (the effective date of this AD), whichever occurs first.	Follow Hawker Beechcraft Mandatory Service Bulletin SB 32-3898, dated November 2008.
(4) If, during the inspection required in paragraph (f)(3) of this AD, damage is found, repair or replace damaged tubing and/or wiring found.	Before further flight after the inspection where damaged tubing and/or wiring was found.	Follow Hawker Beechcraft Mandatory Service Bulletin SB 32-3898, dated November 2008.
(5) Inspect the installation of the stand-off hardware between the brake reservoir line and the fuel heater power wire for minimum clearance.	Within the next 50 hours TIS after April 15, 2010 (the effective date of this AD) or within the next 12 months after April 15, 2010 (the effective date of this AD), whichever occurs first.	Follow Hawker Beechcraft Mandatory Service Bulletin SB 32-3898, dated November 2008.
(6) If, during the inspection required in paragraph (f)(5) of this AD, the stand-off hardware is not installed or it does not maintain the minimum clearance, install stand-off hardware as specified in the service information.	Before further flight after the inspection where the missing stand-off hardware and/or inadequate clearance was found.	Follow Hawker Beechcraft Mandatory Service Bulletin SB 32-3898, dated November 2008.

### 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, 1801 Airport Road, Room 100, Wichita, Kansas 67209; telephone: (316) 946-4174; 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.

## **Material Incorporated by Reference**

(h) You must use Hawker Beechcraft Mandatory Service Bulletin SB 32-3898, dated November 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 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, P.O. Box 85, Wichita, Kansas 67201-0085; telephone: 1 (800) 429-5372 or (316) 676-3140; fax: (316) 676-3340; Internet: <http://www.hawkerbeechcraft.com>.

(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](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html).

Issued in Kansas City, Missouri, on March 2, 2010.

Sandra J. Campbell,  
Acting Manager, Small Airplane Directorate,  
Aircraft Certification Service.