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

BIWEEKLY 2009-16

This electronic copy may be printed and used in lieu of the FAA biweekly paper copy.

U.S. Department of Transportation
Federal Aviation Administration
Regulatory Support Division
Delegation and Airworthiness Programs Branch, AIR-140
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SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

AD No.	Information	Manufacturer	Applicability
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Info: E - Emergency; COR - Correction; S - Supersedes; R - Revision; - See AD for additional information;

Biweekly 2009-01

2008-17-51		MD Helicopters, Inc	Rotorcraft: MD900
2008-26-01	S 2008-11-17	Air Tractor, Inc	See AD
2008-26-02	S 2006-06-51	General Electric Company	Engine: CT7-8A
2008-26-05		Bombardier-Rotax GmbH	Engine: 914 F
2008-26-10		Cessna	See AD
2008-26-11		Piper	See AD
2008-26-12		Aircraft Industries a.s	Sailplane: L 23 Super Blanik

Biweekly 2009-02

No Small Aircraft ADs were issued during Biweekly 2009-02.

Biweekly 2009-03

2009-01-11		Turbomeca	Engine: Arriel 2B and 2B1
2009-02-02		Polskie Zaklady Lotnicze Spolka zo.o	PZL M26 01
2009-02-03		Lycoming Engines, SeeAD	Engine: See AD

Biweekly 2009-04

No Small Aircraft ADs were issued during Biweekly 2009-04.

Biweekly 2009-05

2008-02-08	S 2006-21-11	Turbomeca	Engine: Turmo IV A and IV C
2009-03-04		Turbomec	Engine: Arriel 1E2, 1S, and 1S1
2009-03-05		Pratt Whitney Canada	Engine: PW206A, PW206B, PW206B2, PW206C, PW206E, PW207C, PW207D, and PW207E
2009-04-01		Wytownia Sprzetu Komunikacyjnego	Engine: PZL-10W
2009-04-04		Cessna	401, 401A, 401B, 402, 402A, 402B
2009-04-05		Cessna	182Q and 182R
2009-04-08		BURKHART GROB LUFT- UND RAUMFAHRT GmbH & CO KG	Glider: G103 TWIN II, G103A TWIN II ACRO, G103C TWIN III ACRO, G 103 C TWIN III
2009-04-09	S 2008-11-10	Viking Air Limite	DHC-6-1, DHC-6-100, DHC-6-200, and DHC-6-300
2009-04-14		PILATUS AIRCRAFT LTD	PC-12/47E
2009-05-01	S 2007-04-12	Gippsland Aeronautics Pty. Ltd	GA8
2009-05-05		Avidyne Corporation	Primary Flight Displays
2009-05-06		Embraer	EMB-500

Biweekly 2009-06

2009-05-07	S 2008-06-17	Pilatus Aircraft Ltd	PC-12, PC-12/45, PC-12/47, PC-12/47E
2009-05-12		Cessna	208 and 208B

Biweekly 2009-07

2009-05-08		Trimble or Freeflight Systems	Appliance: Global positioning system (GPS)
2009-05-09		Bell Helicopter Textron, Inc.	Rotorcraft: 412, 412EP, 412CF
2009-06-01		Eurocopter France	Rotorcraft: EC 155B and EC155B1
2009-06-07		Agusta S.p.A.:	Rotorcraft: AB139 and AW139
2008-07-51	E	Bell Helicopter Textron Canada	Rotorcraft: 206A, 206B, and 206L and 407 and 427
2009-07-52	E, S 2009-07-52	Bell Helicopter Textron Canada	Rotorcraft: 206A, 206B, and 206L and 407 and 427
2009-07-53	E	Sikorsky Aircraft	Rotorcraft: S-92A

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Biweekly 2009-08			
2006-08-08 R1	R	Air Tractor, Inc.	AT-400, AT-401, AT-401B, AT-402, AT-402A, and AT-402B
2009-07-08		Piper	PA-46-350P and PA46R-350T
2009-07-09		DORNIER Luftfahrt GmbH	228-100, Dornier 228-101, Dornier 228-200, Dornier 228-201, Dornier 228-202, and Dornier 228-212
2009-07-13		MD Helicopters, Inc.	Rotorcraft: MD900
2009-07-14		Diamond Aircraft Industries GmbH	DA 40
2009-08-03	S 2007-19-52	Bell Helicopter Textron Canada Limited	Rotorcraft: 206A, 206B, 206L, 206L-1, 206L-3, 206L-4, 222, 222B, 222U, 230, 407, 427, and 430
2009-08-05		Liberty Aerospace Incorporated	XL-2
Biweekly 2009-09			
2009-07-52	FR	Bell Helicopter Textron Canada Limited	Rotorcraft: 206A series, 206B series, and 206L
2009-08-08		Turbomeca	Engine: Arriel 1B, 1D, and 1D1, Arriel 2B, and 2B1
2009-08-09		EADS SOCATA	TBM 700
2009-08-10	S 2009-04-14	Pilatus Aircraft Ltd	PC-12/47E
2009-08-11		Pilatus Aircraft Ltd	PC-12 and PC-12/45
2009-09-51	E	EUROCOPTER FRANCE	Rotorcraft: EC225LP
Biweekly 2009-10			
2009-07-53	FR	Sikorsky Aircraft Corporation	Rotorcraft: S-92A
2009-09-03		Turbomeca S.A.	Engine: Arriel 2B and 2B1
2009-09-04		EADS-PZL	PZL-104 WILGA 80
2009-09-09		Cessna	LC40-550FG, LC41-550FG, LC42-550FG
Biweekly 2009-11			
2009-10-04	S 2007-17-06	Diamond Aircraft	DA 40, DA 40F
2009-10-09		Cessna	See AD
2009-10-14		Hartzell	Propeller: See AD
2009-11-05	S 2008-10-12	Air Tractor, Inc.	AT-400, AT-400A, AT-402A, AT-402B, AT-502, AT-502A, AT-502B, AT-503A, AT-602, AT-802, AT-802A
Biweekly 2009-12			
2009-11-01	S 95-21-12	Eurocopter Deutschland GmbH	Rotorcraft: MBB-BK 117 A-1, A-3, A-4, B-1, B-2, and C-1
2009-11-06		M7 Aerospace LP	SA226-AT, SA226-T, SA226-TC, SA227-AC (C-26A), SA227-AT, SA227-BC (C-26A), SA227-CC, and SA227-DC (C-26B)
2009-11-10		Eurocopter Deutschland GmbH	EC135
2009-12-51	E	Turbomeca S.A.	Engine: Arriel 1A1, 1A2, 1B, 1C, 1C1, 1C2, 1D, 1D1, 1E2, 1K1, 1S, and 1S1
Biweekly 2009-13			
2009-12-01		Bell Helicopter Textron, Inc	See AD
2009-12-07		Agusta S.p.A	Rotorcraft : A109E, A109S, A119, and AW119MKII
2009-12-12		ATR-GIE Avions de Transport Régional	ATR42-500, ATR72-212A
2009-12-14		Aeromot-Industria Mecanico Metalurgica Ltda	Glider: AMT-100, AMT-200, AMT-200S, AMT-300
2009-12-15		GROB-Werke	G120A
2009-12-16		Dornier Luftfahrt GmbH	228-100, 228-101, 228-200, 228-201, 228-202, 228-212
2009-13-01		Sikorsky	Rotorcraft: S-92A
2009-13-04		Dornier Luftfahrt GmbH	228-100, Dornier 228-101, Dornier 228-200, Dornier 228-201, Dornier 228-202, and Dornier 228-212
2009-13-05		Socata	TBM 700
2009-13-06		Piper	See AD

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Biweekly 2009-14

2009-12-51	FR	Turbomeca S.A	Arriel 1A1, 1A2, 1B, 1C, 1C1, 1C2, 1D, 1D1, 1E2, 1K1, 1S, and 1S1
2009-13-10		British Aerospace Regional Aircraft	HP.137 Jetstream Mk.1, Jetstream Series 200 and 3101, and Jetstream Model 3201
2009-14-01		Turbomeca S.A	Arrius 2F

Biweekly 2009-15

2009-14-10	S 2009-09-04	EADS-PZL Warszawa-Okecie S.A.	PZL-104 WILGA 80
2009-14-11		Turbomeca S.A.	Engine: ARRIUS 2F
2009-14-13	S 2003-14-07	Pilatus Aircraft Ltd	PC-12, PC-12/45, PC-12/47, PC-12/47
2009-15-01		Hawker Beechcraft Corporation	G36
2009-15-05		Cessna Aircraft Company	208, 208B

Biweekly 2009-16

2009-03-05	COR	Pratt & Whitney Canada	Engine: PW206A, PW206B, PW206B2, PW206C, PW206E, PW207C, PW207D, and PW207E
2009-15-13		Honeywell International Inc.	Engine: T5313B, T5317A, T5317A-1, T5317B, and T5317BCV



CORRECTION: [*Federal Register: July 27, 2009 (Volume 74, Number 142)*]; Page 36925;
www.access.gpo.gov/su_docs/aces/aces140.html]

2009-03-05 Pratt Whitney Canada: Amendment 39-15806. Docket No. FAA-2007-0219;
Directorate Identifier 2007-NE-46-AD.

Effective Date

- (a) This airworthiness directive (AD) becomes effective March 27, 2009.

Affected ADs

- (b) None.

Applicability

(c) This airworthiness directive (AD) applies to Pratt & Whitney Canada (PWC) PW206A, PW206B, PW206B2, PW206C, PW206E, PW207C, PW207D, and PW207E turboshaft engines.

(d) These engines are installed on, but not limited to, MD Explorer, Agusta S.p.A. A109, A109E, A109S, Bell Helicopter Textron Canada Limited 427, and Eurocopter Deutschland GmbH EC135 P1, and EC135 P2 helicopters.

(e) For engines that have been converted from one model to another, see Effectivity paragraph 1.A. of PWC Alert Service Bulletin (ASB) PW200-72-A28280, Revision 4, dated August 28, 2007.

Reason

- (f) Transport Canada AD CF-2007-24R1, dated December 21, 2007, states:

PW206 and PW207 compressor turbine (CT) disc bore areas may experience impact damage resulting from bending or fracture of the CT disc retaining nut. Damage of the CT disc bore area can reduce LCF capabilities of the CT disc, resulting in disc fracture.

We are issuing this AD to prevent damage to the CT disc bore area, which could result in possible uncontained failure of the disc and damage to the helicopter.

Actions and Compliance

- (g) Unless already done, do the following actions:

(1) For engines that have never had a shop visit and have accumulated 4,000 CT cycles or more since new; or for engines that accumulated 2,700 CT cycles or more since last shop visit, last CT disc inspection, or incorporation of PWC SB PW200-72-28287; within 1,150 hours of engine operating time since April 28, 2006 (original issue date of Alert Service Bulletin (ASB) PW200-72-A28280), but not later than 30 days after the effective date of this AD, whichever occurs first, accomplish the following in accordance with PWC ASB PW200-72-A28280, Revision 4, dated August 28, 2007:

(i) Inspect the CT disc bore area for damage and if any damage is noticed, replace the CT disc before further flight.

(ii) Replace the existing CT disc retaining nut and associated hardware.

(2) For engines that have never had a shop visit and have accumulated less than 4,000 CT cycles since new, before the engine reaches 4,000 CT cycles or within 30 days after the effective date of this AD, whichever occurs later, accomplish the following in accordance with PWC ASB PW200-72-A28280, Revision 4, dated August 28, 2007:

(i) Inspect the CT disc bore area for damage and if any damage is noticed, replace the CT disc before further flight.

(ii) Replace the existing CT disc retaining nut and associated hardware.

(3) For engines that have accumulated fewer than 2,700 CT cycles since last shop visit, last CT disc inspection, or incorporation of PWC SB PW200-72-28287; before the engine reaches 2,700 CT cycles or within 30 days after the effective date of this AD, whichever occurs later, accomplish the following in accordance with PWC ASB PW200-72-A28280, Revision 4, dated August 28, 2007:

(i) Inspect the CT disc bore area for damage and if any damage is noticed, replace the CT disc before further flight.

(ii) Replace the existing CT disc retaining nut and associated hardware.

Previous Credit

(h) Inspection of the CT disc bore and replacement of the CT disc retaining nut using PWC ASB PW200-72-A28280, dated April 28, 2006, or Revision 1, dated May 11, 2006, or Revision 2, dated September 29, 2006, or Revision 3, dated December 11, 2006, before the effective date of this AD, meets the requirements of this AD.

Other FAA AD Provisions

(i) Alternative Methods of Compliance (AMOCs): The Manager, Engine Certification Office, FAA, may approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19.

Related Information

(j) Refer to Transport Canada Airworthiness Directive 2007-24R1, dated December 21, 2007, for related information.

(k) Contact Ian Dargin, Aerospace Engineer, Engine Certification Office, FAA, Engine and Propeller Directorate, 12 New England Executive Park; Burlington, MA 01803; e-mail: ian.dargin@faa.gov; telephone (781) 238-7178; fax (781) 238-7199.

Material Incorporated by Reference

(1) You must use Pratt & Whitney Canada Alert Service Bulletin (ASB) PW200-72-A28280, Revision 4, dated August 28, 2007 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 Pratt & Whitney Canada Corp., 1000 Marie-Victorin, Longueuil, Quebec, Canada J4G 1A1, telephone: (800) 268-8000.

(3) You may review copies at the FAA, New England Region, 12 New England Executive Park, Burlington, MA; or 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/cfr/ibr-locations.html>.

Issued in Burlington, Massachusetts, on January 29, 2009.

Peter A. White,
Assistant Manager, Engine and Propeller Directorate,
Aircraft Certification Service.



2009-15-13 Honeywell International Inc. (Formerly AlliedSignal and Textron-Lycoming):
Amendment 39-15976. Docket No. FAA-2008-1311; Directorate Identifier 2007-NE-48-AD.

Effective Date

(a) This airworthiness directive (AD) becomes effective August 25, 2009.

Affected ADs

(b) None.

Applicability

(c) This AD applies to Honeywell International Inc. T5313B, T5317A, T5317A-1, T5317B, and T5317BCV turboshaft engines with combustion chamber housing (CCH), part numbers (P/Ns) 1-130-610-05, 1-130-610-12, and 1-130-610-17, installed. These engines are installed on, but not limited to, Bell 205 and 210 Series and Kaman K-1200 helicopters.

Unsafe Condition

(d) This AD results from eight instances of cracks in CCHs. Two of the instances resulted in an engine shutdown during flight. We are issuing this AD to detect cracks in the CCH, which could result in rupture of the CCH, leading to loss of engine power and damage to the helicopter.

Compliance

(e) You are responsible for having the actions required by this AD performed within the compliance times specified unless the actions have already been done.

Initial Visual Inspection

(f) For CCH, P/N 1-130-610-05 and 1-130-610-12, within 50 hours time-in-service (TIS) after the effective date of this AD, inspect the area between points A and B around the entire housing circumference in Figure 1 of this AD for weld repairs and cracks.

(1) If you find any cracks, replace the CCH before further flight. Honeywell International Inc. Alert Service Bulletin (ASB) T53-A0142, Revision 1, dated September 14, 2006, contains additional guidance on replacing the CCH.

(2) If you find any weld repairs, replace the CCH within 100 hours TIS after the visual inspection. Honeywell International Inc. ASB T53-A0142, Revision 1, dated September 14, 2006, contains additional guidance on replacing the CCH.

Repetitive Visual Inspections

(g) For CCH, P/N 1-130-610-05 and 1-130-610-12, inspect the area between points A and B around the entire housing circumference in Figure 1 of this AD for cracks within every 50 hours time-since-last inspection. Honeywell International Inc. Standard Practices Manual 70-20-02, SP 1302, contains additional guidance on visual inspection.

(h) If you find any cracks, replace the CCH before further flight. Honeywell International Inc. ASB T53-A0142, Revision 1, dated September 14, 2006, contains additional guidance on replacing the CCH.

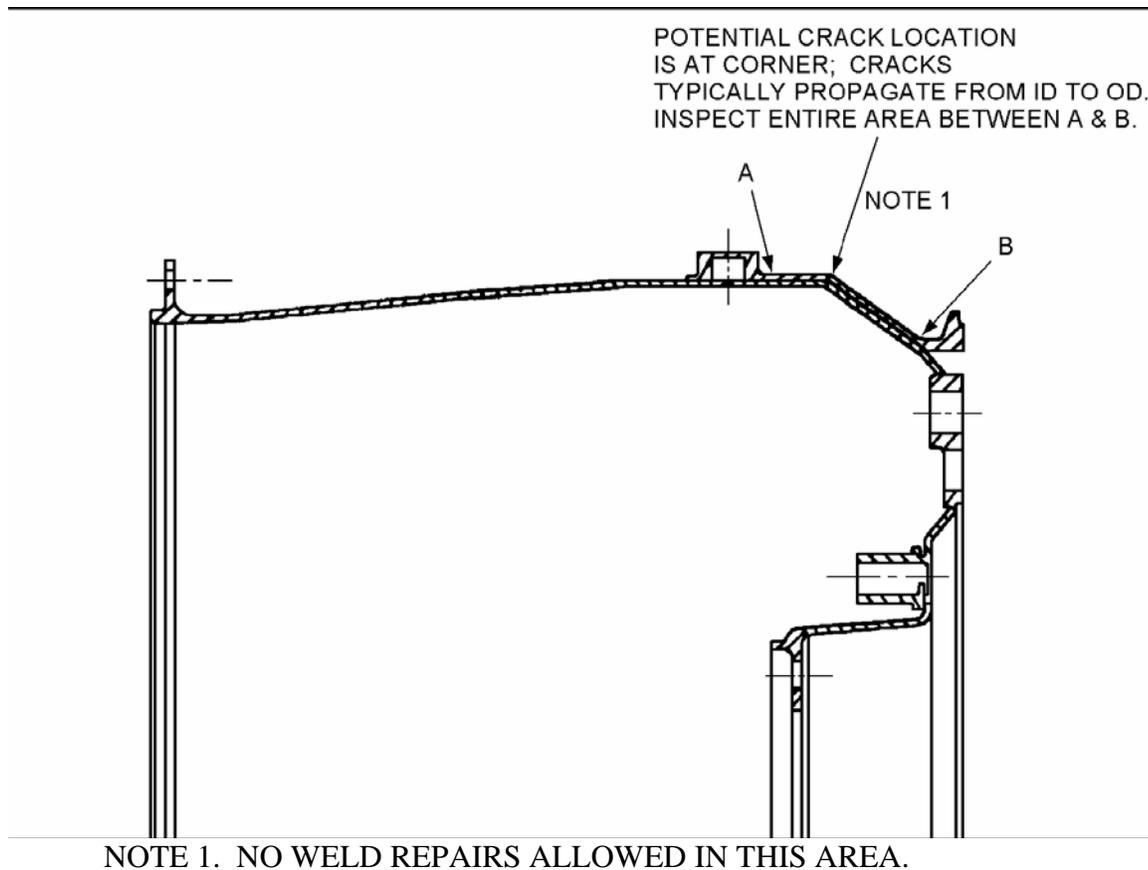


Figure 1. Visual Inspection of CCH

Initial Ultrasonic Inspection

(i) Perform an ultrasonic inspection on the CCH. Use Honeywell International Inc. Service Bulletin (SB) No. T53-0144, Revision 4, dated March 31, 2008, section 3. Accomplishment Instructions and the SB Appendix to perform the ultrasonic inspection at the following compliance times.

(1) For CCH, P/N 1-130-610-05 and 1-130-610-12, within 500 hours TIS or next hot section inspection, whichever occurs first after the effective date of this AD, but not to exceed 6 months after the effective date of this AD.

(2) For CCH, P/N 1-130-610-17, perform at the first overhaul, but do not exceed 5,000 hours or 11,000 cycles, after the effective date of this AD, whichever occurs first.

Repetitive Ultrasonic Inspections

(j) Repeat the ultrasonic inspection on the CCH using Honeywell International Inc. SB No. T53-0144, Revision 4, dated March 31, 2008, section 3. Accomplishment Instructions and the SB Appendix at the following compliance times:

(1) Within every 1,200 flights, defined as the cumulative number of landings, since the last inspection; or

(2) Within every 200 flights, if the last inspection had ultrasonic findings as defined in paragraph 3.A.(2) or paragraph 3.A.(3) of Honeywell International Inc. SB No. T53-0144, Revision 4, dated March 31, 2008.

Optional Terminating Action

(k) Installation of a CCH P/N 1-130-610-19 or 1-130-610R16, or an FAA approved equivalent part, terminates the inspection requirements of this AD.

Alternative Methods of Compliance

(l) The Manager, Los Angeles Aircraft Certification Office, has the authority to approve alternative methods of compliance for this AD if requested using the procedures found in 14 CFR 39.19.

Related Information

(m) Honeywell International Inc. ASB T53-A0142, Revision 1, dated September 14, 2006, and Standard Practices Manual 70-20-02, SP 1302, pertain to the subject of this AD. Contact Honeywell International Inc., P.O. Box 52181, Phoenix, AZ 85072-2181; telephone (800) 601-3099, Web site: <http://portal.honeywell.com/wps/portal/aero>, for a copy of this service information.

(n) Contact Robert Baitoo, Aerospace Engineer, Los Angeles Aircraft Certification Office, FAA, Transport Airplane Directorate, 3960 Paramount Blvd., Lakewood, CA 90712-4137; e-mail: robert.baitoo@faa.gov; telephone (562) 627-5245; fax (562) 627-5210, for more information about this AD.

Material Incorporated by Reference

(o) You must use the service information specified in the following Table 1 to perform the ultrasonic inspections required by this AD. The Director of the Federal Register approved the incorporation by reference of the documents listed in the following Table 1 in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Contact Honeywell International Inc., P.O. Box 52181, Phoenix, AZ 85072-2181; telephone (800) 601-3099, Web site: <http://portal.honeywell.com/wps/portal/aero>, for a copy of this service information. You may review copies at the FAA, New England Region, 12

New England Executive Park, Burlington, MA; or 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/cfr/ibr-locations.html>.

Table 1 – Incorporation by Reference

Honeywell International Inc. Service Bulletin No.	Page	Revision	Date
T53-0144 Total Pages: 10	ALL	4	March 31, 2008
T53-0144 Appendix Total Pages: 13	ALL	C	January 25, 2008

Issued in Burlington, Massachusetts, on July 14, 2009.

Peter A. White,

Assistant Manager, Engine and Propeller Directorate, Aircraft Certification Service.

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