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

BIWEEKLY 2009-19

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

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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

Biweekly 2009-17

2007-03-17 R1		Socata	TBM 700
2009-15-14		Agusta S.p.A	Rotorcraft: AB139, AW139
2009-15-15		Bell Helicopter Textron Canad	Rotorcraft: 427
2009-16-02		Pilatus Aircraft Limited	PC-7
2009-16-03		Superior Air Parts, Inc. (SAP)	See AD

Biweekly 2009-18

2009-17-05		Honeywell International Inc.	Engine: TPE331-10 and TPE331-11
2009-18-03	S 2007-19-14	Pilatus Aircraft Ltd.	PC-6, PC-6-H1, PC-6-H2, PC-6/350, PC-6/350-H1, PC-6/350-H2, PC-6/A, PC-6/A-H1, PC-6/A-H2, PC-6/B-H2, PC-6/B1-H2, PC-6/B2-H2, PC-6/B2-H4, PC-6/C-H2, and PC-6/C1-H2
2009-18-04		Air Tractor, Inc.	AT-802, AT-802A

Biweekly 2009-19

2009-18-17		Agusta S.p.A.	Rotorcraft: AB412 and AB412 EP
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2009-18-17 Agusta S.p.A.: Amendment 39-16013. Docket No. FAA-2009-0804; Directorate Identifier 2008-SW-56-AD.

Effective Date

- (a) This airworthiness directive (AD) becomes effective on September 21, 2009.

Other Affected ADs

- (b) None.

Applicability

(c) This AD applies to Model AB412 and AB412 EP helicopters, with internal hoist, part number (P/N) 214-070-300-1 (Goodrich P/N 42277-1); external hoist P/N BL-10300-60 (Breeze Eastern) or P/N BL-20200-SERIES (Breeze Eastern), installed, certificated in any category.

Reason

- (d) The actions are intended to prevent failure of a hoist cable and inadvertent loss of a load.

Actions and Compliance

(e) Required as indicated, do the following:

(1) Before further flight, for rescue hoist cable assemblies, P/N 42305-179, 42277-178 (internal hoist cable assembly) and P/N BL-6260, BL-9149-3 (external hoist cable assembly), determine the number of accumulated "hoist cycles" for each hoist cable assembly and add that to the number of accumulated "hoist lifts." A hoist lift is defined as an unreeling and recovery of the cable with a load attached to the hook, regardless of the length of the cable that is deployed or recovered. An unreeling or recovery of the cable with no load on the hook is not considered to be a lift.

(2) Before conducting the next hoist operation, replace any hoist cable assembly that has reached or exceeded 1,500 accumulated hoist lifts or 4 years from initial installation, whichever occurs first.

(3) If you cannot determine the "hoist cycles" or the date of the hoist cable assembly installation, before further flight, replace the hoist cable assembly with an airworthy hoist cable assembly.

(4) This AD revises the Airworthiness limitations section of the maintenance manual by adding a life limit of 1,500 hoist lifts or 4 years, whichever occurs first, for the affected hoist cable assemblies.

Differences Between This AD and the MCAI AD

(f) We use the term "before further flight" rather than "before next flight. Also, we are using "before further flight" rather than October 31, 2008, for replacing a hoist cable if you cannot determine the "hoist cycles" or the date of hoist cable assembly installation.

Other Information

(g) Alternative Methods of Compliance (AMOCs): The Manager, Safety Management Group, FAA, ATTN: Sharon Miles, Aerospace Engineer, Regulations and Policy Group, 2601 Meacham Blvd., Rotorcraft Directorate, Fort Worth, Texas 76137, telephone (817) 222-5122, fax (817) 222-5961 has the authority to approve AMOCs for this AD, if requested, using the procedures found in 14 CFR 39.19.

Related Information

(h) The European Aviation Safety Agency (EASA) MCAI Airworthiness Directive No. 2008-0142-E, dated July 30, 2008, and Agusta Alert Bollettino Tecnico No. 412-126, dated July 28, 2008, contain related information.

Joint Aircraft System/Component (JASC) Code

(i) JASC Code 1400: Miscellaneous Hardware.

Issued in Fort Worth, Texas, on August 26, 2009.
Mark R. Schilling,
Acting Manager, Rotorcraft Directorate,
Aircraft Certification Service.