

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

BIWEEKLY 2005-24

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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

AD No.	Information	Manufacturer	Applicability	
Info: E	- Emergency; COR	- Correction; S - Supersedes; R	- Revision; - See AD for additional information;	
Biweekly 2005	-01			
2004-26-09	-01	Rolls-Royce Corporation	Engine: 250-B17, -B17B, -B17C, -B17D, -B17E, 250-C20, -C20B, -C20F, -C20J, -C20S, and -C20W Series Turboprop and Turboshaft	
2004-26-11 2005-01-04	S 98-15-13	Bell Helicopter Textron Canada Raytheon Aircraft Company	Rotorcraft: 222, 222B, 222U, 230, 430 65-90, 65-A90, B90, C90, C90A, C90B, E90, F90, H90, 100, A100, A100-1, (RU-21J), B100, 200, 200C, 200CT, 200T, A200, A200C, A200CT, B200, B200C, B200CT, B200T, 300, B300, B300C, 99, 99A, A99, A99A, B99, C99	
2005-01-10 2005-01-11	S 74-06-01	The New Piper Aircraft, Inc Pilatus Aircraft Ltd.	PA-23-235, PA-23-250, and PA-E23-250 PC-12 and PC-12/45	
Biweekly 2005	-02			
98-20-38 R1	R	Raytheon Aircraft Company	Beech 200 (A100-1 (U-21J)), Beech 200C, Beech 200CT, Beech 200T, Beech A200 (C-12A) or (C-12C), Beech A200C (UC-12B), Beech A200CT (C-12D), (FWC-12D), (RC-12D), (C-12F), (RC-12G), (RC-12H), (RC-12K), or (RC-12P), B200CT, and B200T	
2005-01-14 2005-01-17 2005-01-18	S 2002-21-16 S 98-03-14 S 93-25-07	Bombardier-Rotax GmbH EXTRA Flugzeugbau GmbH Raytheon Aircraft Company	Engine: 912 F, 912 S, and 914 F Series Reciprocating EA-300 and EA-300/S A100-1 (U-21J), 200, B200, A200 (C-12A), A200 (C-12C), A200C (UC-12B), A200CT (C-12D), A200CT (FWC-12D),	
			A200CT (RC-12D), A200CT (C-12F), A200CT (RC-12G), A200CT (RC-12H), A200CT (RC-12K), A200CT (RC-12P), A200CT (RC-12K), 200C, B200C, 200CT, 200T, B200C (C-12F), B200C (UC-12F), B200C (UC-12F), B200C, and B300C	
2005-01-19	S 2004-10-15	GARMIN International Inc	Appliance: GTX 33, GTX 33D, GTX 330, and GTX 330D Mode S Transponders	
2005-02-01		The Lancair Company	LC40–550FG and LC42–550FG	
Biweekly 2005	-03			
2005-01-04	COR S 98-15-13	Raytheon Aircraft Company	65–90, 65–A90, B90, C90, C90A, E90, F90, H90, 100, A100, A100–1 (RU–21J), B100, 200, 200C, 200CT, 200T, A200, A200C, A200CT, B200, B200C, B200CT, B200T, 300, B300, B300C, 99, 99A, A99, A99A, B99, and C99	
2005-01-18	COR S 93-25-07	Raytheon Aircraft Company	A100–1 (U–21J), 200, B200, A200 (C–12A), A200 (C–12C), A200C (UC–12B), A200CT (C–12D), A200CT (FWC–12D), A200CT (RC–12D), A200CT (RC–12G), A200CT (RC–12H), A200CT (RC–12K), A200CT (RC–12P), A200CT (RC–12K), A200CT (RC–12P), A200CT (RC–12K), 200C, B200C, 200CT, B200CT, 200T, B200T, B200C (C–12F), B200C (UC–12F), B200C (UC–12M), B200CT, 300, B300C, and B300C	
2005-02-11 2005-03-04	COR	Gippsland Aeronautics Pty. Ltd. Pacific Aerospace Corp., Ltd.	GA8 750XL	
Biweekly 2005-04				
2005-01-04	COR	Raytheon Aircraft Company	65–90, 65–A90, B90, C90, C90A, E90, F90, H90, 100, A100,	
	S 98-15-13		A100–1 (RU–21J), B100, 200, 200C, 200CT, 200T, A200, A200C, A200CT, B200, B200C, B200CT, B200T, 300, B300, B300C, 99, 99A, A99, A99A, B99, C99	
2005-03-07 2005-03-08 2005-03-09		Bell Helicopter Textron Canada Eurocopter France Eurocopter France	Rotorcraft: 407 Rotorcraft: AS350B, BA, B1, B2, B3, C, D, D1, and EC130 B4 Rotorcraft: EC 155B, EC155B1, SA-360C, SA-365C, SA-365C1, SA-365C2, SA-365N, SA-365N1, AS-365N2, AS 365 N3, and SA-366G1	
2005-03-10 2005-04-09	S 2002-08-54 S 2004-26-11	Bell Helicopter Textron Bell Helicopter Textron Canada	Rotorcraft: 222, 222B, 222U, and 230 Rotorcraft: 222, 222B, 222U, 230, and 430	

AD No.	Information	Manufacturer	Applicability	
<u> </u>	- Emergency; COR - Correction; S - Supersedes; R -		<u> </u>	
ilio. L	- Emergency, CON	- Correction, 5 - Supersedes, R	- Revision, - See AD for additional information,	
Biweekly 2005	. 05			
2005-04-08	-05	Hartzell Propeller Inc.	Propeller: HC-B3TN-5()/T10282()	
2005-04-10		General Electric Company	Engine: CT58-140-1, CT58-140-2, and surplus military T58-GE-5, -10, -100, and "402 turboshaft	
2005-04-16		Pilatus Aircraft Ltd.	PC-12 and PC-12/45	
2005-05-51	Е	Cessna Aircraft Company	402C and 414A	
2005-05-52	E, S 2005-05-51	Cessna Aircraft Company	402C and 414A	
2005-05-53	E	Cessna Aircraft Company	172R, 172S, 182T, and T182T	
2005-05-53 R1	E, R, S 2005-05- 53	Cessna Aircraft Company	172R, 172S, 182T, and T182T	
Biweekly 2005	i-06			
2005-05-14		Eagle Aircraft (Malaysia)	Eagle 150B	
2005-05-15		Honeywell International Inc.	Engine: TFE731-2 and -2C series, and TFE731-3, -3A, -3AR, -3B, -3BR, and -3R series turbofan	
2005-06-01		Eurocopter France	Rotorcraft: EC 155B and EC 155B1	
Biweekly 2005	i-07			
2005-05-52	FR, S 2005-05-51 and 2000-23-01	Cessna	402C and 414A	
2005-05-53 R1	R, 2005-05-53	Cessna	172R, 172S, 182T, and T182T	
2005-06-13	S 99-0602	Fairchild Aircraft, Inc.	SA226-AT, SA226-TC, SA226-T, SA226-T(B), SA227-TT, SA227-TT(300), SA227-AC, SA227-AT, SA227-BC, and SA227-CC/DC	
2005-07-01		Cessna	208 and 208B	
Biweekly 2005	i-08			
83-08-01 R2	R, S 83-08-01 R1	Hartzell Propeller Inc.	Propeller: HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, and HC-B5MP-3 turbopropellers	
2005-07-01	COR	Cessna	208 and 208B	
2005-07-27	S 2000-18-04	Aviointeriors S.p.A.	Appliance: Model 312 Seats	
D: 11 2005	. 00			
Biweekly 2005	-09		CI'I 101 1014 1014D 1101D	
2005-08-06		Centrair Pilatus Aircraft Limited	Glider: 101, 101A, 101AP, and 101P	
2005-08-07 2005-08-12		Centrair	Sailplane: B4-PC11, B4-PC11A, and B4-PC11AF Glider: 101, 101A, 101AP, and 101P	
2005-08-12		Glaser-Dirks Flugzeugbau GmbH	Sailplane: DG-800B	
2005-08-14		LET a.s.	Sailplane: Blanik L-13 AC	
2005-09-51	E	Turbomeca S.A.	Engine: Arrius 2F Turboshaft	
Biweekly 2005				
2004-25-16 R1	R, 2004-25-16	Kelly Aerospace Power Systems	Appliance: Fuel regulator shutoff valve	
2005-08-06	COR	Centrair	Glider: 101 Series	
2005-09-05		Eurocopter France	Rotorcraft: EC120B	
2005-09-06 2005-09-07		Agusta S.p.A.	Rotorcraft: A119	
2003-09-07		Agusta S.p.A.	Rotorcraft: A109E	
Biweekly 2005	-11			
2005-09-51	FR	Turbomeca S.A.	Engine: Arrius 2F turboshaft	
2005-10-12		Schweizer Aircraft Corporation	Rotorcraft: 269C, C-1, and D	
2005-10-13		Rolls-Royce Corporation	Engine: 250-B17B, -B17C, -B17D, -B17E, -C20, -C20B, -C20F, -C20J, -C20S, and -C20W turboprop and turboshaft	
2005-10-14	S 2004-01-51	Eurocopter France	Rotorcraft: AS355E, F, F1, F2, and N	
2005-10-23		DG Flugzeubau GmbH and	Glider:DG-500MB and DG-800B	
2005-10-24	S 2003-14-20	Glaser-Dirks Flugzeubau GmbH AeroSpace Technologies of Australia Pty. Ltd.	N22B, N22S and N24A	
2005-11-01		Turbomeca S.A.	Engine: Arrius 1A turboshaft	

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Biweekly 200a	5-12		
2005-11-05		Precise Flight, Inc.	Appliance: Standby vacuum system (SVS)
2005-11-06		Pilatus Aircraft Ltd.	PC-12 and PC-12/45
2005-11-07		Extra Flugzeugproduktions-Und	EA-300, EA-300S, ES-300L, and EA-300/200
2003-11-07		Vertriebs-GmbH	L/1-300, L/1-3005, L5-300L, and L/1-300/200
2005 11 00		GROB-WERKE	C120 A
2005-11-08			G120A
2005-12-01		Agusta S.p.A.	Rotorcraft: A109E
2005-12-02	S 98-10-12	Revo, Incorporated	Colonial C-2, Lake LA-4, Lake LA-4A, Lake LA-4P, and Lake LA-4-200
2005-12-51	E	Rockwell International and	AT-6 (SNJ-2), AT-6A (SNJ-3), AT-6B, AT-6C (SNJ-4), AT-6D
		Autair Ltd.	(SNJ-5), AT-6F (SNJ-6), BC-1A, Harvard (Army AT-16), SNJ-7, and T-6G
D: 11 200	5 12		
Biweekly 200	5-13		
2005-12-03		Sikorsky Aircraft Corporation	Rotorcraft: S-92A
2005-12-06	S 96-12-07	Teledyne Continental Motors	Appliance: S-20, S-1200, D-2000, and D-3000 Series Magnetos
2005-12-08		Turbomeca S.A.	Engine: Arrius 2 B1, 2 B1A, 2 B1A-1, and 2 B2 turboshaft
2005-12-09		Grob-Werke	G120A
2005-12-12	S 79-10-15	Cessna Aircraft Company	401, 401A, 401B, 402, 402A, 402B, 411, and 411A
2005-12-13	S 2005-05-52	Cessna Aircraft Company	402C and 414A
2005-12-20		The Lancair Company	LC41-550FG
2005-12-51	FR	Rockwell International	AT-6 (SNJ-2), AT-6A (SNJ-3), AT-6B, AT-6C (SNJ-4), AT-6D
			(SNJ-5), AT-6F (SNJ-6), BC-1A, Harvard (Army AT-16), SNJ-7,
			and T-6G
2005 12 01	C 2004 19 01	Hoffmann Duanallan Cook H. C.	
2005-13-01	S 2004-18-01	Hoffmann Propeller GmbH & Co KG	Propeller: HO-V343 and HO-V343K
2005-13-07		Honeywell International Inc.	Engine: TFE731-2 and -3 series turbofan
2005-13-09		GROB-WERKE	G120A
2005-13-10		Cessna Aircraft Company	172R, 172S, 182T, T182T, 206H, T206H
2005-13-11		General Electric Company	Engine: CT64-820-4 turboprop
2005-13-12		Air Tractor, Inc.	AT–300, AT–301, AT–302, AT–400, and AT–400A, AT–
			401/AT-402, AT-602, AT-802 and AT-802A
2005-13-13		Sikorsky Aircraft Corporation	Rotorcraft: S-92A
2005-13-16	S 93-24-14	The New Piper Aircraft, Inc.	PA-34-200, PA-34-200T, and PA-34-220T
2005-13-17		Agusta. S.p.A.	Rotorcraft: AB412 Series
2005-13-23	S 2003-18-03	Eurocopter France	Rotorcraft: EC 155B, EC155B1, SA-365N, SA-365N1, AS-365N2, and AS 365 N3
2005-13-25		Turbomeca S.A.	Engine: Arriel 2B
2003-13-23		Turbonieca S.A.	Eligilie. Affici 2b
Biweekly 200	5-14		
2005-12-12	COR	Cessna	401, 401A, 401B, 402, 402A, 402B, 411, and 411A
2005-12-20	COR	Lancair Company	LC41-550FG
D! 11 000	5 15		
Biweekly 200			
2005-12-51	COR	Rockwell International	AT-6 (SNJ-2), AT-6A (SNJ-3), AT-6B, AT-6C (SNJ-4), AT-6D
			(SNJ-5), AT-6F (SNJ-6), BC-1A, Harvard (Army AT-16), SNJ-7, and T-6G
2005-14-11		Hartzell Propeller, Inc.,	Propeller: See AD
2005-14-11			Toponor. Dec 11D
		McCauley Propeller, Sensenich	
		Propeller	
2005-14-12		Hartzell Propeller	Propeller: HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3,
			HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-
			B4MP-5, and HC-B5MP-3
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Pirmodulu 2005 16			
Biweekly 2005-16			
2005-15-10		New Piper Aircraft	PA-34-200T, PA-34-220T, PA-44-180, and PA-44-180T

AD No.	Information	Manufacturer	Applicability
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D: 11 4005			
Biweekly 2005			F : 450 G00 G00P 1 G00G 1 1 C
2004-14-02	COR	Rolls-Royce Corporation	Engine: 250-C28, -C28B, and -C28C turboshaft
2005-16-04		Bell Helicopter Textron	Rotorcraft: 206A and 206B
2005-16-05		Robinson Helicopter Company	Rotorcraft: R-22 Series
2005-17-01		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, PC-6/C1-H2
Biweekly 2005			
95-19-15 R1	R 95-19-15	Tiger Aircraft LLC	AA-5, AA-5A, AA-5B, AG-5B
2005-13-09	COR	GROB-WERKE	G120A
2005-17-06		Turbomeca	Engine: Artouste III B, B1, and D turboshaft
2005-17-11		Cessna	525, 525A, and 525B
2005-17-15		Turbomeca S.A.	Engine: Arrius 2F turboshaft
2005-17-17		Turbomeca S.A.	Engine: Arrius 2F turboshaft
2005-17-19		Cirrus Design Corporation	SR20 and SR22
D: 11 4005	. 10		
Biweekly 2005	-19		D. H. HG OAW DHG OAW HG OAG DHG OAG HG DAD
2005-18-12		Hartzell Propeller Inc. Propellers	Propeller: HC-92W, BHC-92W, HC-92Z, BHC-92Z, HC-B3P, HC-B3R, HC-B3W, BHC-B3W, HA-B3Z, HC-B3Z Hub Model Series
2005-18-20		Goodrich De-icing and Specialty	Appliance: P4E1188 series, P4E1601 series, P4E2200 series,
		Systems	P4E2271-10, P4E2575-7, P4E2575-10, P4E2598-10, P5855BSW, P6199SW, P6592SW, P6662SW, and P6975-11
2005-18-21		Raytheon Aircraft Company	1900, 1900C, 1900C (C-12J), 1900D
2005-18-22		Raytheon Aircraft Company	390
2005-19-07		Raytheon Aircraft Company	390
2005-19-10		Turbomeca	Engine: Arrius 2 F turboshaft
2005-19-11		Lycoming Engines	Engine: AEIO-360, IO-360, O-360, LIO-360, LO-360, AEIO-540, IO-540, O-540, and TIO-540 series
Biweekly 2005	: 20		
2005-19-17	-20	PZL-Swidnik S.A.	Glider: PW-5 "Smyk", PW-6U
2005-19-17		The New Piper Aircraft, Inc.	PA-28-160, PA-28-161, PA-28-180, and PA-28-181
2005-17-20		Teledyne Continental Motors	Engine: GTSIO-520 series reciprocating
2000 20 0.		101001110 00111110111111 11101011	2.18.1101 CTSTS C25 Series reciprocating
Biweekly 2005	i-21		
2003-19-14 R2	R 2003-19-14 R1	BURKHART GROB LUFT-	Glider: G103 TWIN ASTIR, G103A TWIN II ACRO (aerobatic
2000 17 11 112	1,2000 1,71111	UND RAUMFAHRT GmbH & CO KG	category), G103C TWIN III ACRO (aerobatic category)
2005-20-11		Rolls-Royce Corporation	Engine: 250-C28, -C28B, and -C28C turboshaft
2005-20-12	S 2004-13-01	Dowty Aerospace Propellers	Propeller: R321/4-82-F/8, R324/4-82-F/9, R333/4-82-F/12, and R334/4-82-F/13
2005-20-24		Socata–Groupe Aerospatiale	TBM 700
2005-20-25		Cessna Aircraft Company	401, 401A, 401B, 402, 402A, 402B, 402C, 404, 411, 411A, 414, 414A, 421, 421A, 421B, 421C, 425, 441
2005-20-26		Aviointeriors S.p.A.	Appliance: 312 box mounted seats
2005-20-38		Bell Helicopter Textron	Rotorcraft: 212, 412, and 412EP
D: 11 2005	. 22		
Biweekly 2005			T
2005-21-01	S 97-19-13	Pratt & Whitney	Engine: JT8D-200 series turbofan
2005-21-02	S 2003-24-01	MD Helicopters, Inc.	Rotorcraft: 369D, 369E, 369F, 369FF, 500N, or 600N
2005-21-03		Bell Helicopter Textron Canada	Rotorcraft: 206A, A-1, B, B-1, L, L-1, L-3, L-4
2005-21-04		Bell Helicopter Textron (Bell)	Rotorcraft: Bell Model 47D1, 47G, 47G–2, 47G–2A, 47G–2A–1,
		and Coastal Helicopters, Inc. (CHI)	47G–3, 47G–3B, 47G–3B–1, 47G–3B–2, 47G–3B–2A, 47G–4, 47G–4A, 47G–5, 47G–5A; and CHI OH–13H (Tomcat Mark 5A,
		(CIII)	6B, or 6C).
2005-22-01		Sikorsky Aircraft Corporation	Rotorcraft: S-76A, B, and C
2005-22-01		Gippsland Aeronautics Pty. Ltd.	GA8
2005-22-02		Pilatus Aircraft Ltd.	PC-12 and PC-12/45
2003 22 UT		- Hatas / Histait Laa.	1 0 12 mid 1 0 12/10

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

Biweekly 2005-23

2005-22-13 Pilatus Aircraft Ltd. PC-12, PC-12/45

2005-22-14 GROB-WERKE G120A

Biweekly 2005-24

2005-24-01 Centrair Glider: 101, 101A, 101AP and 101P

2005-24-05 Boeing Vertol Rotorcraft: 107-II

BW 2005-24

CENTRAIR AIRWORTHINESS DIRECTIVE SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

2005-24-01 CENTRAIR: Amendment 39-14381; Docket No. FAA-2005-21951; Directorate Identifier 2005-CE-39-AD.

When Does This AD Become Effective?

(a) This AD becomes effective on January 3, 2006.

What Other ADs Are Affected By This Action?

(b) None.

What Gliders Are Affected by This AD?

(c) This AD affects Models 101, 101A, 101AP, and 101P gliders, all serial numbers, certificated in any category.

What Is the Unsafe Condition Presented in This AD?

(d) This AD is the result of a review by FAA of the Limitations Section of the CENTRAIR Model 101AP glider maintenance manual that revealed conflicting information concerning the structural life limit. The actions specified in this AD are intended to assure that the published life limit is adhered to and to prevent structural failure of the glider once this life limit is reached.

What Must I Do To Address This Problem?

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

Actions	Compliance	Procedures
Using pen and ink, change Section 5.1 of the	Within the next	The owner/operator holding at least a
Limitations Section of the CENTRAIR	30 days after	private pilot certificate as authorized
Gliders CENTRAIR 101—101 P–101 A–	January 3, 2006	by section 43.7 of the Federal
101 AP Maintenance Manual under "General	(the effective	Aviation Regulations (14 CFR 43.7)
Inspection," to read, "The general inspection	date of this	may modify the maintenance manual
should be executed every 5 years until the	AD).	as specified in paragraph (e) of this
3,000hour time-in-service structural life limit		AD. Make an entry into the aircraft
is met." The above change enforces the		records showing compliance with this
3,000-hour structural life limit set out in		portion of the AD following section
page 5.01—Life Limits of the maintenance		43.9 of the Federal Aviation
manual.		Regulations (14 CFR 43.9).

Note: Section 5.0 of the Limitations Section of the CENTRAIR Gliders CENTRAIR 101–101 P-101 A-101 AP Maintenance Manual, date of approval, December 16, 1983, references 14 CFR 91.163. The Code of Federal Regulations has changed. The correct reference is § 91.403.

May I Request an Alternative Method of Compliance?

(f) You may request a different method of compliance or a different compliance time for this AD by following the procedures in 14 CFR 39.19. Unless FAA authorizes otherwise, send your request to your principal inspector. The principal inspector may add comments and will send your request to the Manager, Standards Office, Small Airplane Directorate, FAA. For information on any already approved alternative methods of compliance, contact Greg Davison, Aerospace Engineer, FAA, Small Airplane Directorate, 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: (816) 329-4130; facsimile: (816) 329-4090.

May I Get Copies of the Document Referenced in This AD?

(g) You may obtain the service information referenced in this AD from CENTRAIR, Aerodome B.P.N. 44, 36300 Le Blanc, France; telephone: 02.54.37.07.96; facsimile: 02.54.37.48.64. To view the AD docket, go to the Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC 20590-001 or on the Internet at http://dms.dot.gov. The docket number is FAA-2005-21951; Directorate Identifier 2005-CE-39-AD.

Issued in Kansas City, Missouri, on November 10, 2005.

David R. Showers,

Acting Manager, Small Airplane Directorate, Aircraft Certification Service.

[FR Doc. 05-22872 Filed 11-17-05; 8:45 am]

BILLING CODE 4910-13-P

BW 2005-24

BOEING VERTOL AIRWORTHINESS DIRECTIVE SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

2005-24-05 Boeing Vertol (Boeing): Amendment 39-14385. Docket No. FAA-2005-23085; Directorate Identifier 2005-SW-25-AD.

Applicability

Model 107-II helicopters, all serial numbers, with a quill shaft, part number (P/N) 107D2067, all dash numbers, and a spiral bevel pinion gear (pinion gear), P/N 107D2215, installed, certificated in any category.

Compliance

Required as indicated.

To detect a fatigue crack in a quill shaft to prevent separation of the quill shaft between the aft transmission and the mix box assembly, loss of rotor synchronization, and subsequent loss of control of the helicopter, accomplish the following:

(a) For a helicopter with a pinion gear installed with the following hours time-in-service (TIS):

Pinion gear hours TIS	Compliance time
700 or more hours TIS	Within 50 hours TIS, unless accomplished within the previous
	350 hours TIS.
Less than 700 hours TIS	On or before reaching 750 hours TIS.

- (1) Remove the aft transmission assembly, separate the mix box assembly from the aft transmission, and remove the quill shaft from the pinion gear assembly;
- (2) Visually inspect the external spline of the quill shaft for a chipped or cracked tooth around the pinhole; and
 - (3) Magnetic particle inspect the quill shaft for a crack.
- (b) Before further flight, replace any quill shaft that has a crack or a chipped or cracked tooth with an airworthy quill shaft.
- **Note 1:** Boeing Service Bulletin No. 107-63-1005, Revision 1, dated April 27, 2005, pertains to the subject of this AD.
- **Note 2:** Replacement quill shafts manufactured by Kawasaki Heavy Industries (KHI) for use on their Model KV107-II helicopters must be approved by the geographic Aircraft Certification Office (ACO) on a case-by-case basis for installation on a Boeing Model 107-II helicopter.

- (c) To request a different method of compliance or a different compliance time for this AD, follow the procedures in 14 CFR 39.19. Contact the Manager, New York ACO, Engine and Propeller Directorate, FAA, for information about previously approved alternative methods of compliance.
 - (d) Special flight permits will not be issued.
 - (e) This amendment becomes effective on December 8, 2005.

Issued in Fort Worth, Texas, on November 16, 2005.

Scott A. Horn,

Acting Manager, Rotorcraft Directorate, Aircraft Certification Service.

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