



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

BIWEEKLY 2004-18

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

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Federal Aviation Administration
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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 2004-01

2003-23-05	COR	Titeflex Corportation	Appliance: Titeflex hoses
2003-24-13	COR	Cessna Aircraft Company	172R, 172S, 182S, 182T, T182T, 206H, and T206H
2003-26-04		Agusta S.p.A.	Rotorcraft: A109E
2003-26-06		Anjou Aeronautique	Appliance: Safety belts and restraint systems
2003-26-14		Kiddie Aerospace	Appliance: Hand-held halon fire extinguishers
2004-01-09		Eurocopter France	Rotorcraft: AS355E, F, F1, F2, and N
2004-01-10		Eurocopter Deutschland	Rotorcraft: MBB-BK-117 A-1, A-3, A-4, B-1, B-2, and C-1
2004-01-14		Eurocopter France	Rotorcraft: EC130B4
2004-01-51	E	Eurocopter France	Rotorcraft: AS355E, F, F1, F2, and N

Biweekly 2004-02

2003-09-09 R1	R	Cessna Aircraft Company	441 and F406
2004-01-13	S 97-22-16	Raytheon Aircraft Company	1900, 1900C, 1900 (C-12J), and 1900D

Biweekly 2004-03

2004-02-03		Agusta S.p.A.	Rotorcraft: A109E
2004-03-01	S 2003-03-11	Air Cruisers Company	Appliance: Emergency Evacuation Slide/Raft Systems

Biweekly 2004-04

2004-03-08		Learjet	31, 31A, 35, 35A (C-21A), 36 and 36A
2004-03-27	COR	Eurocopter France	Rotorcraft: AS332C, L, and L1
2004-03-29		Pacific Aerospace Corporation, Ltd.	FU24-954 and FU24A-954
2004-03-32		The New Piper Aircraft, Inc.	PA-46-500TP
2004-04-01	S 2002-01-09	Pilatus Aircraft LTD.	PC-7, PC-12, and PC-12/45

Biweekly 2004-05

2001-13-18 R1	R1, COR	Raytheon Aircraft Company	45 (YT-34), A45 (T-34A, B-45), and D45 (T-34B)
2003-22-07 R1	R	Mitsubishi Heavy Industries, Ltd	MU-2B, MU-2B-10, MU-2B-15, MU-2B-20, MU-2B-25, MU-2B-26, MU-2B-26A, MU-2B-30, MU-2B-35, MU-2B-36, MU-2B-36A, MU-2B-40, and MU-2B-60
2004-01-51	FR	Eurocopter France	Rotorcraft: AS355E, F, F1, F2, and N
2004-04-06		General Electric Company	Engine: CT58-100-2, CT58-140-1, -140-2, and T58-GE-1, -3, -5, -8E, -8F, -10, -100, and -402 Turboshaft
2004-04-09		Pratt & Whitney Canada	Engine: JT15D-1, -1A, and -1B Turbofan
2004-05-01		Bombardier Inc.	Otter DHC-3
2004-05-02		Aerospace Technologies of Australia Pty Ltd.	N22B, N22S, and N24A

Biweekly 2004-06

2004-03-01	COR, S 2003-03-11	Air Cruisers Company	Appliance: Emergency Evacuation Slide/Raft System
2004-05-23	S 89-21-01	Eurocopter France	Rotorcraft: AS350B, AS350BA, AS350B1, AS350B2, AS350B3, AS350C, AS350D, AS350D1, AS355E, AS355F, AS355F1, AS355F2, and AS355N
2004-05-24	S 2002-23-06	Lycoming Engines	Engine: AEIO-540, IO-540, LTIO-540, O-540, and TIO-540 Series Reciprocating
2004-05-28		Eurocopter France	Rotorcraft: AS 365 N3
2004-05-29		Eurocopter France	Rotorcraft: EC 155B
2004-06-51	E	Boeing Defense and Space Group	Rotorcraft: 234
2004-06-52	E	Robinson Helicopter Company	Rotorcraft: R22, R22 Alpha, R22 Beta, and R22 Mariner

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Biweekly 2004-07

2004-06-04		Sikorsky Aircraft Corporation	Rotorcraft: S-76 A, B, and C
2004-06-05		Pilatus Aircraft Ltd.	PC-12 and PC-12/45
2004-06-09		The Lancair Company	LC40-550FG and LC42-550FG
2004-06-10		Aerospace Technologies of Australia Pty Ltd.	N22B, N22S, and N24A

Biweekly 2004-08

2004-03-27	COR	Eurocopter France	Rotorcraft: AS332C, L, and L1
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Biweekly 2004-09

2004-05-01	R1 R	Bombardier Inc.	Otter DHC-3
2004-08-10		Engine Components Incorporated (ECi)	Engine: Teledyne TSIO-520-NB, -VB, -WB, 520 and 550 Series Reciprocating
2004-08-12		Schempp-Hirth Flugzeugbau GmbH	Glider: Discus-2a, Discus-2b, Ventus-2a, and Ventus-2b
2004-08-13		Burkhardt Grob Luft-und Raumfahrt GmbH Co & KG	Glider: G103 Twin ASTIR, G103 Twin II, G103 Twin III ACRO, and G103 C Twin III SL
2004-08-14		Glasflugel	Glider: Mosquito and Club Libelle 205
2004-08-15	S 2003-13-08	Goodrich Avionics Systems, Inc.	Appliance: Terrain Awareness Warning System (TAWS)
2004-08-16		NARCO Avionics Inc.	Appliance: AT150 Transponders
2004-08-17		Cessna Aircraft Company	208 amd 208B
2004-09-03		HPH s. r. o.	Glider: Glasflügel 304CZ, 304CZ-17, and 304C
2004-09-05		Cessna Airplane Company	500, 501, 550, and 551

Biweekly 2004-10

2004-08-17	COR	Cessna Aircraft Company	208 and 208B
2004-09-02		Glasflugel-Ing. E. Hanle	Glider: Kestrel
2004-09-07		Raytheon Aircraft Company	1900, 1900C, 1900C (C12J), and 1900D
2004-09-29		Honeywell International Inc.	Engine: TPE331-10-501C, -10-511C, -10-501K, -10-511K, -10-501M, -10-511M, -10AV-511B, -10AV-511M, -10GP-511D, -10GT-511D, -10N-511S, -10N-512S, -10N-513S, -10N-514S, -10N-515S, -10N-531S, -10N-532S, -10N-533S, -10N-534S, -10N-535S, -10P-511D, -10R-501C, -10R-502C, -10R-511C, -10R-512C, -10R-513C, -10T-511D, -10T-511K, -10T-511M, -10T-512K, -10T-513K, -10T-515K, -10T-516K, -10T-517K, -10U-501G, -10U-502G, -10U-511G, -10U-512G, -10U-503G, -10U-513G, -10UA-511G, -10UF-501H, -10UF-511H, -10UF-512H, -10UF-513H, -10UF-514H, -10UF-515H, -10UF-516H, -10UG-513H, -10UG-514H, -10UG-515H, -10UG-516H, -10UGR-513H, -10UGR-514H, -10UGR-516H, -10UR-513H, -10UR-516H, -11U-601G, -11U-602G, -11U-611G, and -11U-612G Turboprop
2004-09-30		Raytheon Aircraft Company	1900C

Biweekly 2004-11

2004-08-15	COR S 2003-13-08	Goodrich Avionics Systems, Inc.	Appliance: Terrain Awareness Warning System (TAWS)
2004-10-07	S 2002-06-52	Bell Helicopter Textron Canada	Rotorcraft: 407
2004-10-08		Alexander Schleicher GmbH & Co. Segelflugzeugbau	Glider: ASH 25M
2004-10-14	S 91-14-22	Lycoming Engines	Engine: Direct-Drive Reciprocating Engines
2004-10-15		Garmin International Inc.	Appliance: Mode S transponders
2004-11-04		Eagle Aircraft (Malaysia) SDN. BHD	Eagle 150B

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Biweekly 2004-12			
2004-06-51	FR	Boeing Defense And Space Group	Rotorcraft: 234
2004-11-05		Eurocopter France	Rotorcraft: EC 130 B4 and AS 350 B3
2004-11-06		Agusta S.p.A	Rotorcraft: A109E
2004-11-10		Przedsiębiorstwo Doswiadczalno-Produkcyjne Szybownictwa "PZL-Bielsko"	Glider: SZD-50-3 "Puchacz"
2004-11-12		Alexander Schleicher Gmbh & Co.	Glider: ASW 27
Biweekly 2004-13			
2001-24-07 R1	R	Agusta S.p.A.	Rotorcraft: A109C, A109E, and A109K2
2003-19-14 R1	R	Burkhart Grob Luft-Und Raumfahrt GmbH & Co KG	Glider: G103 Twin Astir, G103A Twin II Acro, G103C Twin III Acro
2004-09-05	COR	Cessna Airplane Company	500, 501, 550, and 551
2004-12-06		Eurocopter France	Rotorcraft: EC 155 B and B1
2004-12-11		Pilatus Aircraft Ltd.	PC-12 and PC-12/45
2004-13-01	S 2002-01-28	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
2004-13-05		Eurocopter Deutschland	Rotorcraft: MBB-BK 117 A-1, A-3, A-4, B-1, B-2, and C-1
Biweekly 2004-14			
96-26-05 R1	Res.	Robinson Helicopter Company	Rotorcraft: R44
2003-13-15 R1	R	Schweizer Aircraft Corporation	Rotorcraft: 269A, 269A-1, 269B, 269C, and TH-55A
2004-10-14	COR, S 91-14-22	Lycoming Engines	Engine: Direct-Drive Reciprocating Engines
2004-13-20		Garmin AT	Appliance: Global positioning system (GPS)
2004-13-26		Kaman Aerospace Corporation	Rotorcraft: K-1200
2004-14-02		Rolls-Royce Corporation	Engine: 250-C28, -C28B and, -C28C Turboshaft
2004-14-12		New Piper Aircraft, Inc.	PA-28-161, PA-28-181, PA-28R-201, PA-32R-301 (HP), PA-32R-301T, PA-32-301T, PA-32-301FT, PA-32-301XTC, PA-34-220T, PA-44-180, PA-46-350P, and PA-46-500TP
Biweekly 2004-15			
2004-14-20	COR S 2003-21-07	The Cessna Aircraft Company	525
2004-14-21		Stemme GmbH & Co.	Glider: S10-VT, S10-V, S10
2004-14-22		Pratt & Whitney Canada	Engine: PW206B, PW206C, PW206E, PW207D, and PW207E Turboshaft
2004-15-01		Raytheon Aircraft Company	390
Biweekly 2004-16			
2004-15-11		Eurocopter France	Rotorcraft: EC155B and B1
2004-15-15	S 2002-19-10	Air Tractor, Inc.	AT-401, AT-401B, AT-402, AT-402A, AT-402B, AT-501, AT-502, AT-502A, AT-502B, AT-503A, AT-602, AT-802 and AT-802A
2004-15-18		Cessna Aircraft Company	172R, 172S, 182S, 182T, T182T, 206H, T206H
2004-15-19		The New Piper Aircraft, Inc	PA-46-500TP
2004-15-21		Agusta S.p.A.	Rotorcraft: A109K2
2004-15-22		Sikorsky Aircraft Corp.	Rotorcraft: S-61L, S-61N, S-61-NM, and S-61R
2004-16-07		General Electric Company	Engine: CT7-2D1 Turboshaft

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Biweekly 2004-17

2004-14-12	COR	The New Piper Aircraft, Inc.	See AD
2004-16-08		MD Helicopters	Rotorcraft: MD900
2004-16-14		Thales Avionics	Appliance: Traffic advisory/resolution advisory (TA/RA) vertical speed indicator-traffic alert and collision avoidance system (VSI-TCAS) indicators
2004-16-15		Eurocopter France	Rotorcraft: AS-365N2, AS 365 N3, EC 155B, EC155B1, SA-365N, N1 and SA-366G1
2004-17-01	S 2002-22-17	Cessna Aircraft Company	208 and 208B
2004-17-02		Raytheon Aircraft Company	See AD
2004-17-03	S 2003-16-10	Pratt & Whitney Canada	Engine: PW206A and PW206E

Biweekly 2004-18

2004-17-04	S 2001-26-25	Grob-Werke Gmbh & Co KG	Sailplane: G102 CLUB ASTIR III, G102 CLUB ASTIR IIIb, and G102 STANDARD ASTIR III
2004-18-01		Hoffmann Propeller GmbH & Co KG	Propeller: HO-V343 and HO-V343K

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**GROB-WERKE GMBH & CO KG
AIRWORTHINESS DIRECTIVE
SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS**

2004-17-04 Grob-Werke Gmbh & Co KG: Amendment 39-13776; Docket No. 2004-CE-10-AD.

When Does This AD Become Effective?

(a) This AD becomes effective on October 7, 2004.

What Other ADs Are Affected by This Action?

(b) This AD supersedes AD 2001-26-25.

What Sailplanes Are Affected by This AD?

(c) This AD affects the following Models G102 CLUB ASTIR III, G102 CLUB ASTIR IIIb, and G102 STANDARD ASTIR III sailplanes, all serial numbers, that are certificated in any category.

What Is the Unsafe Condition Presented in This AD?

(d) This AD is the result of mandatory continuing airworthiness information (MCAI) issued by the airworthiness authority for Germany. The actions specified in this AD are intended to prevent elevator flutter, which could cause structural damage. Such damage could result in loss of control of the sailplane.

What Must I Do To Address This Problem?

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

Actions	Compliance	Procedures
(1) Install additional mass balance in the elevator and ailerons and determine resultant empty weight and empty weight center of gravity.	Within the next 25 hours time-in-service (TIS) after October 7, 2004 (the effective date of this AD).	Follow GROB Luft-und Raumfahrt Service Bulletin No. MSB306-36/3, dated December 4, 2002; GROB Luft-und Raumfahrt Service Installation Instructions No. MSB306-36/3, dated April 18, 2002; and Instructions for Continued Airworthiness GROB G 102, Revision 1, dated April 18, 2002. The applicable sailplane maintenance manual also addresses this issue.

(2) Incorporate Instructions for Continued Airworthiness GROB G 102, Revision 1, dated April 18, 2002, in the sailplane maintenance manual, or other appropriate document.	Before further flight after installing the additional mass balance and determining the empty weight and empty weight center of gravity required by paragraph (e)(1) of this AD.	Not applicable.
(3) Remove the red mark on the airspeed indicator (formerly required by AD 2001-26-25) at 165 kilometers/hour (km/h), 89.1 knots (kts), or 102.5 miles per hour (mph).	Before further flight after installing the additional mass balance and determining the empty weight and empty weight center of gravity required by paragraph (e)(1) of this AD.	Follow GROB Luft-und Raumfahrt Service Bulletin No. MSB306-36/3, dated December 4, 2002, and GROG Luft-und Raumfahrt Service Installation Instruction No. MSB306-36/3, dated April 18, 2002. The Applicable sailplane maintenance manual also addresses this issue.
(4) Remove the red placard to the airspeed indicator (formerly required by AD 2001-26-25) restricting the Vne airspeed to 165 km/h, 89.1 kts, or 102.5 mph (according to the airspeed indicator calibration).	Before further flight after installing the additional mass balance and determining the empty weight and empty weight center of gravity required by paragraph (e)(1) of this AD.	Not applicable.

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.

Does This AD Incorporate Any Material by Reference?

(g) You must do the actions required by this AD following the instructions in GROB Luft-und Raumfahrt Service Bulletin No. MSB306-36/3, dated December 4, 2002; GROB Luft-und Raumfahrt Service Installation Instructions No. MSB306-36/3, dated April 18, 2002; and Instructions for Continued Airworthiness GROB G 102, Revision 1, dated April 18, 2002. The Director of the Federal Register approved the incorporation by reference of this service bulletin in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. You may get a copy from GROB Luft-und Raumfahrt, Lettenbachstrasse 9, D-86874 Tussenhausen-Mattsies, Federal Republic of Germany; telephone: 49 8268 998139; facsimile: 49 8268 998200. You may review copies at FAA, Central Region, Office of the Regional Counsel, 901 Locust, Room 506, Kansas City, Missouri 64106; 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/code_of_federal_regulations/ibr_locations.html.

Is There Other Information That Relates to This Subject?

(h) German AD Numbers 2001-317/4, dated January 9, 2003, and 2001-317/3, dated November 14, 2002, also address the subject of this AD.

Issued in Kansas City, Missouri, on August 13, 2004.

John R. Colomy,

Acting Manager, Small Airplane Directorate, Aircraft Certification Service.

[FR Doc. 04-18997 Filed 8-20-04; 8:45 am]

BILLING CODE 4910-13-P

BW 2004-18

**HOFFMANN PROPELLER GMBH & CO KG
AIRWORTHINESS DIRECTIVE
PROPELLER**

SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

2004-18-01 Hoffmann Propeller GmbH & Co KG: Amendment 39-13778. Docket No. FAA-2004-18958; Directorate Identifier 2004-NE-32-AD.

Effective Date

(a) This AD becomes effective September 17, 2004.

Affected ADs

(b) None.

Applicability

(c) This AD applies to Hoffmann Propeller GmbH & Co KG (Hoffmann Propeller) models HO-V343 and HO-V343K propellers. These propellers are installed on, but not limited to, general aviation airplanes possibly having an FAA-approved Supplemental Type Certificate.

Unsafe Condition

(d) This AD results from a report of a blade separating from either a model HO-V343 or HO-V343K propeller. We are issuing this AD to prevent propeller hub failure and blade separation due to an unknown root cause, leading to damage and possible loss of control of the airplane.

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.

Propellers With Hubs Having 1,200 or More Flight Hours-Since-New (FHSN)

(f) For propellers having hubs with 1,200 or more FHSN, do the following:

(1) Before each flight after the effective date of this AD, perform a preflight check for blade shake. Use paragraph 2.2 of Accomplishment Instructions of Hoffmann Propeller Service Instruction (SI) No. 61-10-05 SI E 4B, dated July 13, 2004, to do this check. If you find any blade shake, do the following before further flight:

(i) Record the blade shake, blade nut preload, and final blade nut torque of all three blades. Use paragraph 2.2 of Accomplishment Instructions of Hoffmann Propeller Service Instruction (SI) No. 61-10-05 SI E 4B, dated July 13, 2004, to do these recordings and checks.

(ii) Remove propeller blades from the hub. Information on blade removal can be found in Hoffmann Propeller Overhaul Manual No. (E)661.

(iii) Perform an eddy current inspection (ECI) of the propeller hub for damage and cracks. Use paragraphs 2.3 through 2.4 of Accomplishment Instructions of Hoffmann Propeller SI No. 61-10-05 SI E 4B, dated July 13, 2004, to do the ECI.

(iv) If the propeller hub has damage or cracks, remove the propeller hub from service before further flight.

(2) Perform repetitive checks and inspections as specified in paragraphs (f)(1)(i) through (f)(1)(iv) of this AD within intervals of 100 flight hours-since-last-inspection.

Propellers With Hubs Having Fewer Than 1,200 FHSN

(g) For propellers with hubs having fewer than 1,200 FHSN, do the following:

(1) Before each flight after the effective date of this AD, perform a preflight check for blade shake, as specified in paragraph (f)(1) of this AD. If blade shake is found, perform the follow-up actions specified in paragraphs (f)(1)(i) through (f)(1)(iv) of this AD.

(2) Perform an ECI of the propeller hub for damage and cracks before exceeding 1,200 FHSN. Use paragraphs 2.3 through 2.4 of Accomplishment Instructions of Hoffmann Propeller SI No. 61-10-05 SI E 4B, dated July 13, 2004, to do the ECI.

Alternative Methods of Compliance

(h) The Manager, Boston 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.

Material Incorporated by Reference

(i) You must use Hoffmann Propeller Service Instruction No. 61-10-05 SI E 4B, dated July 13, 2004, to perform the checks and inspections required by this AD. The Director of the Federal Register approved the incorporation by reference of this service bulletin in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. You can get a copy from Hoffmann Propeller GmbH & Co KG, K pferlingstra e 9, D-83022 Rosenheim, Germany, telephone ++49-(0)8031-1878-0; fax ++49-(0)8031-1878-78; 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/code_of_federal_regulations/ibr_locations.html.

Related Information

(j) LBA airworthiness directive D-2004-352R2, dated July 23, 2004, which holds EASA Approval No. 2004-7836, also addresses the subject of this AD.

Issued in Burlington, Massachusetts, on August 23, 2004.

Robert E. Guyotte,

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

[FR Doc. 04-19829 Filed 9-1-04; 8:45 am]

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