

**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES**

**SMALL AIRPLANES, ROTORCRAFT, GLIDERS,
BALLOONS, & AIRSHIPS**

BIWEEKLY 2014-17

8/11/2014 - 8/24/2014



Federal Aviation Administration
Engineering Procedures Office, AIR-110
P.O. Box 25082
Oklahoma City, OK 73125-0460

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SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

AD No.	Information	Manufacturer	Applicability
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Information Key: E - Emergency; COR - Correction; S – Supersedes; R - Replaces

Biweekly 2014-01

2013-26-09		Turbomeca S.A.	ASTAZOU XIV B and XIV H engines
2013-26-13		Sikorsky Aircraft Corporation	S-70, S-70A, S-70C, S-70C (M), and S-70C (M1) helicopters
99-01-05 R1		See AD	See AD

Biweekly 2014-02

2013-25-13		Sikorsky Aircraft Corporation	S-70, S-70A, and S-70C helicopters
2013-26-11		Eurocopter France Helicopters	EC225LP helicopters
2014-01-01		Turbomeca S.A.	Arrius 2F turboshaft engines

Biweekly 2014-03

2014-01-02		Eurocopter Deutschland GmbH	EC135P2+ and EC135T2+ helicopters
2014-02-02		Bell Helicopter Textron Canada Limited	206L, L-1, L-3, and L-4 helicopters
2014-02-03	S 2011-27-51	Beechcraft Corporation	1900, 1900C, 1900C (Military) and 1900D
2014-02-04		Eurocopter France	EC 155B and EC155B1 helicopters
2014-02-05		Eurocopter France	AS350B, AS350BA, AS350B1, AS350B2, AS350B3, AS350C, AS350D, and AS350D1 helicopters
2014-02-07		Costruzioni Aeronautiche Tecnam srl	P2006T
2014-02-08		Agusta S.p.A.	A109C, A109S, A109K2, A109E, and AW109SP helicopters
2014-02-09		Eurocopter France	EC225LP and AS332L1 helicopters

Biweekly 2014-04

2014-03-02		Airbus Helicopters	AS332C, AS332L, AS332L1, AS332L2, SA330J helicopters
2014-03-10		Various Restricted Category Helicopters	See AD
2014-03-11		Bell Helicopter Textron, Inc.	204B helicopters

Biweekly 2014-05

2014-02-06		Agusta S.p.A.	AB412 helicopters
2014-03-01		Agusta S.p.A.	AB139 and AW139 helicopters
2014-03-03		Cessna Aircraft Company	310, 320, 340, 401, 402, 411, 414, and 421
2014-03-18		B-N Group Ltd.	BN-2
2014-03-20		Piaggio Aero Industries S.P.A	P-180
2014-04-01		Slingsby Aviation Ltd.	T67M260
2014-04-02		Dornier Luftfahrt GmbH	228-212
2014-04-03		Pacific Aerospace Limited	750XL
2014-04-04		Diamond Aircraft Industries GmbH	DA 42 NG and DA 42 M NG
2014-04-06		Turbomeca S.A.	Arrius 2B1, 2B1A, 2B2, and 2K1 turboshaft engines
2014-04-11		Airbus Helicopters	AS350B, BA, B1, B2, B3, D; AS355E, F, F1, F2, and N helicopters
2014-04-12		Airbus Helicopters	EC225LP helicopters
2014-04-14		Agusta S.p.A.	A109S, AW109SP, A119, and AW119 MKII helicopters

Biweekly 2014-06

2011-22-05 R1		Airbus Helicopters	AS350B, B1, B2, B3, BA, C, D, D1; AS355E, F, F1, F2, N, and NP helicopters
2014-04-13		Agusta S.p.A.	AB412 and AB412 EP helicopters
2014-05-01		Eurocopter Deutschland	EC135P1, EC135P2, EC135P2+, EC135T1, EC135T2, and EC135T2+ helicopters
2014-05-04		Eurocopter Deutschland	MBB-BK 117 C-2 helicopters
2014-05-06		Eurocopter Deutschland	EC135 P1, P2, P2+, T1, T2, and T2+ helicopters
2014-05-07		Airbus Helicopters	AS350B, BA, B1, B2, C, D, D1, AS355E, F, F1, F2, and N helicopters
2014-05-08		Airbus Helicopters	AS332L1 helicopters
2014-05-11		Airbus Helicopters	AS332C, AS332L, AS332L1, AS332L2, EC225LP, and SA330J helicopters
2014-05-15		Airbus Helicopters	AS332C, AS332L, AS332 L1, AS332 L2 and SA330J helicopters

SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

AD No.	Information	Manufacturer	Applicability
Information Key: E - Emergency; COR - Correction; S – Supersedes; R - Replaces			
2014-05-29 2014-06-01	S 2009-16-03	Continental Motors M7 Aerospace	IO-520, TSIO-520, and IO-550 series reciprocating engines SA226-AT, SA226-T, SA226-T(B), SA226-TC, SA227-AC (C-26A), SA227-AT, SA227-BC (C-26A), SA227-CC, SA227-DC (C-26B), SA227-TT, SA26-AT, and SA26-T
Biweekly 2014-07			
2014-05-10	S 2012-25-04	Airbus Helicopters	AS350B, AS350BA, AS350B1, AS350B2, AS350B3, AS350C, AS350D, AS350D1, AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP helicopters
2014-05-27 2014-06-03		Rockwell Collins British Aerospace Regional Aircraft	Mode S transponders Jetstream Series 3101 and Jetstream Model 3201
2014-06-06 2014-06-07 2014-06-51	S 2013-12-06	SOCATA Alexander Schleicher Airbus Helicopters Deutschland	TBM 700 ASK 21 gliders MBB-BK 117 A-3, MBB-BK 117 A-4, MBB-BK 117 B-1, and MBB-BK 117 C-2 helicopters
2014-07-51 2014-07-52		Agusta Airbus Helicopters	AB139 and AW139 helicopters AS350B, AS350BA, AS350B1, AS350B2, AS350B3, AS350C, AS350D, AS350D1, AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP helicopters
Biweekly 2014-08			
2014-07-04 2014-07-06	S 2007-19-09R1	Sikorsky Turbomeca S.A.	S-92A helicopters Arriel 2B1 turboshaft engines
Biweekly 2014-09			
2014-07-07 2014-07-08 2014-07-09	S 87-02-04	British Aerospace (Operations) Limited Centrair British Aerospace Regional Aircraft	HP.137 Jetstream Mk.1, Jetstream Series 200, and Jetstream Series 3101 101, 101A, 101P, and 101AP gliders Jetstream Series 3101 and Model 3201
2014-07-10		Ballonbau Wörner GmbH	NL-280/STU, NL-380/STU, NL-510/STU, NL-640/STU, NL-840/STU, and NL-1000/STU balloons
2014-08-06 2014-08-10 2014-09-01 2014-09-02	COR S 2013-14-08	Sikorsky Aircraft Corporation Austro Engine GmbH AgustWestland S.p.A. M7 Aerospace LLC	S-76A, B, and C helicopters E4 engines A109C, A109E, A109K2, and A119 helicopters SA226-AT, SA226-T, SA226-T(B), SA226-TC, SA227-AC (C-26A), SA227-AT, SA227-TT, SA227-BC (C-26A), SA227-CC, SA227-DC (C-26B), SA26-T, and SA26-AT
2014-09-03	S 99-07-11	SOCATA	TBM 700
Biweekly 2014-10			
2014-09-04 2014-09-11 2014-09-12 2014-10-01	S 2009-21-08 R1 S 2008-24-11	Piaggio Aero Industries S.p.A. GROB-WERKE Alpha Aviation Concept Limited Vulcanair S.p.A.	P-180 G115EG and G120A R2160 P 68, P 68B, P 68C, P 68C-TC, P 68 "OBSERVER," P68TC "OBSERVER," and P68 "OBSERVER 2"
Biweekly 2014-11			
2014-10-03		Airbus Helicopters	AS332L1 and EC225LP helicopters
Biweekly 2014-12			
2014-07-52		Airbus Helicopters	AS350B, AS350BA, AS350B1, AS350B2, AS350B3, AS350C, AS350D, AS350D1, AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP helicopters
2014-11-02		Airbus Helicopters	SA-365N, SA-365N1, AS-365N2, and AS 365 N3 helicopters
2014-11-07		Agusta S.p.A Helicopters	A109A, A109A II, A109C, A109E, A109K2, A109S, AW109SP, A119, and AW119 MKII helicopters
2014-11-08 2014-11-09		Airbus Helicopters Costruzioni Aeronautiche Tecnam srl	EC225LP helicopters P2006T airplanes
2014-12-01		Bell Helicopter Textron	214B; 214B-1; 214ST helicopters

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AD No.	Information	Manufacturer	Applicability
Information Key: E - Emergency; COR - Correction; S – Supersedes; R - Replaces			
2014-12-51	E	Airbus Helicopters	EC130B4 and EC130T2 helicopters
2014-12-52	E	Honeywell International	TFE731-4, -4R, -5AR, -5BR, -5R, -20R, -20AR, -20BR, -40, 40AR, -40R, -40BR, -50R, and -60 turbofan engines
Biweekly 2014-13			
2014-04-07	S 2003-05-03	Bell Helicopter Textron Canada	407 helicopters
2014-10-02	S 2006-11-19	Dornier Luftfahrt GmbH	228-100, 228-101, 228-200, 228-201, 228-202, and 228-212
2014-12-04	S 2003-01-04	Bell Helicopter Textron, Inc.	204B, 204B, 205A, 205A-1, 205A 205A-1, 205B, 210, and 212 helicopters
2014-12-07		Agusta S.p.A.	AB412 and AB412EP helicopters
2014-12-08	S 2004-11-10	Przedsiębiorstwo Doswiadczalno-Produkcyjne Szybownictwa "PZL-Bielsko"	SZD-50-3 "Puchacz" sailplanes
2014-12-09		Agusta S.p.A.	AB412 helicopters
Biweekly 2014-14			
2014-11-05		Pratt & Whitney Canada Corp.	PT6A-20, PT6A-20A, PT6A-20B, PT6A-25, PT6A-28, PT6A-34B, PT6A-36, PT6A-135, PT6A-11, PT6A-11AG, PT6A-15AG, PT6A-21, PT6A-25A, PT6A-25C, PT6A-27, PT6A-34, PT6A-34AG, PT6A-110, PT6A-112, PT6A-114, and PT6A-135A engines
2014-12-05	S 2007-10-07	Turbomeca S.A.	Arriel 2B, 2B1, 2C, 2C1, 2C2, 2S1, and 2S2 turboshaft engines
2014-12-12		Airbus Helicopters	EC120B, and EC130B4 helicopters
2014-12-52	S 2014-12-52	Honeywell International Inc.	TFE731-4, -4R, -5AR, -5BR, -5R, -20R, -20AR, -20BR, -40, -40AR, -40R, -40BR, -50R, and -60 turbofan engines
2014-13-01		Airbus Helicopters	MBB-BK 117 C-2 helicopters
2014-13-04		Columbia Helicopters, Inc.	234 helicopters
2014-13-05	S 2007-10-16	British Aerospace Regional Aircraft	Jetstream Model 3201
2013-22-23 R1		AERMACCHI S.p.A.	F.260, F.260B, F.260C, F.260D, F.260E, F.260F, S.208 and S.208A
Biweekly 2014-15			
2014-06-51	S 2013-12-06	Airbus Helicopters Deutschland GmbH	MBB-BK 117 A-3, MBB-BK 117 A-4, MBB-BK 117 B-1, and MBB-BK 117 C-2 helicopters
2014-13-08	S 2013-24-14	Diamond Aircraft Industries GmbH	DA 40 airplanes
2014-13-09		Airbus Helicopters Deutschland GmbH	EC135P1, P2, P2+, T1, T2, and T2+ helicopters
2014-15-01		M7 Aerospace LLC	SA227-AT, SA227-AC, SA227-BC, SA227-CC, SA227-DC airplanes
2014-15-02		GROB-WERKE GMBH & CO KG and BURKHART GROB LUFT-UND RAUMFAHRT GmbH & CO KG	G102 STANDARD ASTIR III, G102 CLUB ASTIR III, and G102 CLUB ASTIR IIIb; G103 TWIN II, G103A TWIN II ACRO, G103C TWIN III ACRO and Model G 103 C Twin III SL gliders
2014-15-51	E	Embraer S.A.	EMB-500
Biweekly 2014-16			
2014-07-51		AgustaWestland S.p.A.	AB139 and AW139 helicopters
2014-12-11		Sikorsky Aircraft Corporation	S-92A helicopters
2014-12-51		Airbus Helicopters	EC130B4 and EC130T2 helicopters
2014-15-18		Mooney International Corporation	M20C, M20E, M20M, M20R, and M20TN
2014-16-01		MD Helicopters, Inc.	MD900 helicopters
2014-16-03		Fuji Heavy Industries, Ltd.	FA-200-160, FA-200-180, and FA-200-180AO
Biweekly 2014-17			
2014-15-51		Embraer S.A.	EMB-500
2014-16-15		Turbomeca S.A.	Makila 2A and Makila 2A1 turboshaft engines
2014-16-24		Airbus Helicopters Deutschland GmbH	EC135P1, EC135P2, EC135P2+, EC135T1, EC135T2, and EC135T2+ helicopters



2014-15-51 Embraer S.A.: Amendment 39-17953; Docket No. FAA-2014-0511; Directorate Identifier 2014-CE-023-AD.

(a) Effective Date

This AD is effective September 5, 2014 to all persons except those persons to whom it was made immediately effective by Emergency AD 2014-15-51, issued on July 25, 2014, which contained the requirements of this amendment.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Embraer S.A. Model EMB-500 airplanes, serial numbers 50000218 through 50000333, 50000336, 50000337, 50000339, and 50000341, certificated in any category.

(d) Subject

Joint Aircraft System Component (JASC)/Air Transport Association (ATA) of America Code 55, Stabilizers.

(e) Unsafe Condition

This AD was prompted by mandatory continuing airworthiness information (MCAI) issued by the aviation authority of another country to identify and correct an unsafe condition on an aviation product. The MCAI describes the unsafe condition as cracking of the barrel nuts at the horizontal stabilizer to vertical stabilizer attachment joint. We are issuing this AD to detect and correct cracking of the barrel nuts at the horizontal stabilizer to vertical stabilizer attachment joint that could result in reduced structural integrity of the affected part and consequent detachment of the horizontal stabilizer from the airplane.

(f) Compliance

Comply with this AD within the compliance times specified, unless already done.

(g) Inspection

Before further flight after the effective date of this AD, inspect all of the barrel self-locking nuts at the horizontal stabilizer to vertical stabilizer joint following the ACCOMPLISHMENT INSTRUCTIONS in Embraer S.A. Phenom Alert Service Bulletin No. 500-55-A004, Revision 02, dated July 25, 2014.

(h) Replacement

If, during the inspection required in paragraph (g) of this AD, any of the barrel nuts are found to be part number (P/N) NAS577B7A, before further flight, replace the applicable barrel nuts with new barrel nut P/N RMLH2577-070 following the ACCOMPLISHMENT INSTRUCTIONS in Embraer S.A. Phenom Alert Service Bulletin No. 500-55-A004, Revision 02, dated July 25, 2014.

(i) Reporting Requirement

Within 10 days after the inspection required in paragraph (g) of this AD, send the inspection results to Embraer using the "Service Bulletin Implementation and Evaluation Form" available on the Internet in the FLYEmbraer portal at: www.flyembraer.com.

(j) Credit for Actions Accomplished in Accordance With Previous Service Information

This AD provides credit for the actions required in paragraphs (g), (h) and (i) of this AD, if those actions were performed before the effective date of this AD, using Embraer S.A. Phenom Alert Service Bulletin No. 500-55-A004, Revision 01, dated July 24, 2014, or Embraer S.A. Phenom Alert Service Bulletin No. 500-55-A004, Basic Revision, dated July 21, 2014.

(k) Special Flight Permit

No special flight permits allowed.

(l) Paperwork Reduction Act Burden Statement

A federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number. The OMB Control Number for this information collection is 2120-0056. Public reporting for this collection of information is estimated to be approximately 5 minutes per response, including the time for reviewing instructions, completing and reviewing the collection of information. All responses to this collection of information are mandatory. Comments concerning the accuracy of this burden and suggestions for reducing the burden should be directed to the FAA at: 800 Independence Ave. SW., Washington, DC 20591, Attn: Information Collection Clearance Officer, AES-200.

(m) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Standards Office, Small Airplane Directorate, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the manager of the ACO, send it to the attention of the person identified in paragraph (n) of this AD.

(2) Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(n) Related Information

(1) For more information about this AD, contact: Jim Rutherford, Aerospace Engineer, FAA, Small Airplane Directorate, 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: (816) 329-4165; fax: (816) 329-4090; email: jim.rutherford@faa.gov.

(2) Refer to MCAI Agencia De Aviacao Civil (ANAC) AD No.: 2014-07-02, dated July 25, 2014, and MCAI ANAC AD No.: 2014-07-03, dated July 25, 2014 for related information. You may examine the MCAI on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2014-0511.

Note 1 to paragraph (n)(2) of this AD: After the FAA issued Emergency AD 2014-15-51, ANAC issued AD No.: 2014-07-03, dated July 25, 2014, to supersede ANAC AD.: No. 2014-07-02. All requirement changes were incorporated into FAA emergency AD 2014-15-51 and are incorporated into this AD.

(o) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless the AD specifies otherwise.

(i) Embraer S.A. Phenom Alert Service Bulletin No. 500-55-A004, Revision 02, dated July 25, 2014

(ii) Reserved.

(3) For Embraer S.A. service information identified in this AD, contact: EMBRAER S.A., Phenom Maintenance Support, Avenida Brigadeiro Faria Lima, 2170, Putim, CEP: 12227-901, Sao Jose dos Campos, Sao Paulo, Brasil; phone: (+55 12) 3927-1000; Fax: (+55 12) 3927-6600, Ext. 1448; email: phenom.reliability@embraer.com.br; Internet: <http://www.embraerexecutivejets.com/en-US/customer-support/Pages/Service-Center-Network.aspx>.

(4) You may view this service information at the FAA, Small Airplane Directorate, 901 Locust, Kansas City, Missouri 64106. For information on the availability of this material at the FAA, call (816) 329-4148.

(5) You may view this service information that is incorporated by reference 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 Kansas City, Missouri, on August 11, 2014.

Earl Lawrence,
Manager, Small Airplane Directorate,
Aircraft Certification Service.



2014-16-15 Turbomeca S.A.: Amendment 39-17939; Docket No. FAA-2014-0219; Directorate Identifier 2014-NE-04-AD.

(a) Effective Date

This AD becomes effective September 19, 2014.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Turbomeca S.A. Makila 2A and Makila 2A1 turboshaft engines with a high-pressure (HP) fuel pump, part number (P/N) 0 298 91 806 0 or P/N 0 298 91 805 0, installed, that have not incorporated Turbomeca modification TU 59.

(d) Reason

This AD was prompted by the failure of two HP fuel pumps that resulted in engine in-flight shutdowns. We are issuing this AD to prevent failure of the HP fuel pump, which could lead to an in-flight shutdown, damage to the engine, and forced landing or accident.

(e) Actions and Compliance

Comply with this AD within the compliance times specified, unless already done.

(1) Within 25 flight hours (FHs) or 6 months after the effective date of this AD, whichever occurs earlier, clean and visually inspect the splines of the HP fuel pump/metering valve and the module M01 drive gear for wear, corrosion, scaling, pitting, and chafing.

(2) Thereafter, reinspect every 100 FHs since-last-inspection.

(3) If the HP fuel pump/metering valve or the module M01 drive gear fails the inspection required by this AD, replace it with a part eligible for installation before further flight.

(4) After the effective date of this AD, do not install any HP fuel pump, HP fuel pump drive shaft, module M01 drive gear, or module M01 77-tooth gear onto any engine, or install any engine onto any helicopter, unless the HP fuel pump/metering valve and the module M01 drive gear passed the inspection required by paragraph (e) of this AD.

(f) Alternative Methods of Compliance (AMOCs)

The Manager, Engine Certification Office, FAA, may approve AMOCs to this AD. Use the procedures found in 14 CFR 39.19 to make your request.

(g) Related Information

(1) For more information about this AD, contact Katheryn Malatek, Aerospace Engineer, Engine Certification Office, FAA, Engine & Propeller Directorate, 12 New England Executive Park, Burlington, MA 01803; phone: 781-238-7747; fax: 781-238-7199; email: Katheryn.malatek@faa.gov.

(2) Refer to MCAI European Aviation Safety Agency (EASA) AD 2014-0059, dated March 10, 2014, and EASA AD 2014-0059R1, dated April 15, 2014, for more information. You may examine the MCAIs in the AD docket on the Internet at <http://www.regulations.gov/#!documentDetail;D=FAA-2014-0219-0003>.

(3) Turbomeca S.A. Mandatory Service Bulletin No. 298 73 2818, Version F, dated March 5, 2014, which is not incorporated by reference in this AD, can be obtained from Turbomeca S.A., using the contact information in paragraph (g)(4) of this AD.

(4) For service information identified in this AD, contact Turbomeca, S.A., 40220 Tarnos, France; phone: 33 (0)5 59 74 40 00; telex: 570 042; fax: 33 (0)5 59 74 45 15.

(5) You may view this service information at the FAA, Engine & Propeller Directorate, 12 New England Executive Park, Burlington, MA. For information on the availability of this material at the FAA, call 781-238-7125.

(h) Material Incorporated by Reference

None.

Issued in Burlington, Massachusetts, on August 6, 2014.
Colleen M. D'Alessandro,
Assistant Directorate Manager, Engine & Propeller Directorate,
Aircraft Certification Service.



2014-16-24 Airbus Helicopters Deutschland GmbH (Previously Eurocopter Deutschland GmbH) Helicopters: Amendment 39-17948; Docket No. FAA-2014-0034; Directorate Identifier 2013-SW-006-AD.

(a) Applicability

This AD applies to Model EC135P1, EC135P2, EC135P2+, EC135T1, EC135T2, and EC135T2+ helicopters, with a main rotor hub (MRH) shaft, part number (P/N) L623M1006101, L623M1206101, L623M1006102, L623M1206102, L623M1006103, or L623M1206103 installed, certificated in any category.

(b) Unsafe Condition

This AD defines the unsafe condition as a crack in the MRH shaft flange, which could result in failure of the MRH and subsequent loss of control of the helicopter.

(c) Affected ADs

This AD supersedes AD 2012-10-53, Amendment 39-17254 (77 FR 69558, November 20, 2012).

(d) Effective Date

This AD becomes effective September 25, 2014.

(e) Compliance

You are responsible for performing each action required by this AD within the specified compliance time unless it has already been accomplished prior to that time.

(f) Required Actions

(1) Before further flight, and thereafter at intervals not to exceed 6 hours time-in-service (TIS), check the MRH shaft lower flange and the visible area of the MRH shaft upper flange for a crack. Figures 1 and 2 to Paragraph (f)(1) of this AD are examples of cracks that have been discovered in the MRH shaft lower flange. The actions required by this paragraph may be performed by the owner/operator (pilot) holding at least a private pilot certificate, and must be entered into the aircraft records showing compliance with this AD in accordance with 14 CFR 43.9 (a)(1) through (4) and 14 CFR 91.417(a)(2)(v). The record must be maintained as required by 14 CFR 91.417, 121.380, or 135.439.



Figure 1 to Paragraph (f)(1)

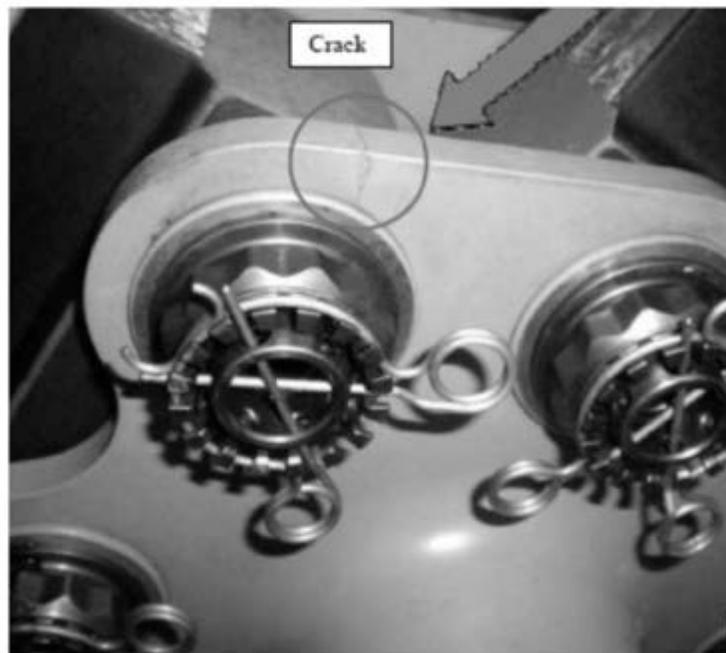


Figure 2 to Paragraph (f)(1)

(2) For MRH shafts with 400 or more hours TIS, within 50 hours TIS, and thereafter at intervals not to exceed 50 hours TIS:

(i) Remove the rotor-hub cap.

(ii) Clean the upper and lower MRH shaft flange as depicted in Figure 2 of Eurocopter Alert Service Bulletin No. EC135-62A-029, Revision 7, dated October 22, 2012, and visually inspect for a crack.

(3) If there is a crack in the upper or lower MRH shaft flange, before further flight, replace that MRH shaft with an airworthy MRH shaft. Replacing the MRH shaft with an MRH shaft having a P/N listed in paragraph (a) of this AD does not constitute terminating action for the requirements of this AD.

(g) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Safety Management Group, FAA, may approve AMOCs for this AD. Send your proposal to: Gary Roach, Aviation Safety Engineer, Regulations and Policy Group, Rotorcraft Directorate, FAA, 2601 Meacham Blvd., Fort Worth, Texas 76137; telephone (817) 222-5110; email gary.b.roach@faa.gov.

(2) For operations conducted under a 14 CFR part 119 operating certificate or under 14 CFR part 91, subpart K, we suggest that you notify your principal inspector, or lacking a principal inspector, the manager of the local flight standards district office or certificate holding district office, before operating any aircraft complying with this AD through an AMOC.

(3) Any AMOC approved previously in accordance with AD No. 2012-10-53, Amendment 39-17254 (77 FR 69558, November 20, 2012), is approved as an AMOC for the corresponding requirements in paragraph (f) of this AD.

(h) Additional Information

The subject of this AD is addressed in European Aviation Safety Agency (EASA) AD No. 2012-0085R5, dated October 30, 2012. You may view the EASA AD on the Internet at <http://www.regulations.gov> in Docket No. FAA-2014-0034.

(i) Subject

Joint Aircraft Service Component (JASC) Code: 6220, Main Rotor Head.

(j) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless the AD specifies otherwise.

(i) Eurocopter Alert Service Bulletin No. EC135-62A-029, Revision 7, dated October 22, 2012, excluding Figure 1.

(ii) Reserved.

(3) For Eurocopter service information identified in this AD, contact Airbus Helicopters, Inc., 2701 N. Forum Drive, Grand Prairie, Texas 75052; telephone (972) 641-0000 or (800) 232-0323; fax (972) 641-3775; or at <http://www.airbushelicopters.com/techpub>.

(4) You may view this service information at FAA, Office of the Regional Counsel, Southwest Region, 2601 Meacham Blvd., Room 663, Fort Worth, Texas 76137. For information on the availability of this material at the FAA, call (817) 222-5110.

(5) You may view this service information that is incorporated by reference 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 Fort Worth, Texas, on August 8, 2014.

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