

**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES**

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

BIWEEKLY 2016-15

7/11/2016 - 7/24/2016



Federal Aviation Administration
Continued Operational Safety Policy Section, AIR-141
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 2016-01

2015-26-04	S 2002-13-11	Airbus Helicopters	EC120B helicopters
2015-26-08		Piper Aircraft, Inc.	PA-44-180, PA-44-180T airplanes
2015-26-10		Sikorsky Aircraft Corporation	S-76A, S-76B, and S-76C helicopters

Biweekly 2016-02

2015-12-09 R1	R 2015-12-09	Airbus Helicopters Deutschland GmbH	EC135P1, EC135T1, EC135P2, EC135T2, EC135P2+, EC135T2+, and MBB-BK 117 C-2
2016-01-01		Piper Aircraft, Inc.	PA-46-500TP
2016-01-06		Agusta S.p.A.	AB139 and AW139
2016-01-14		Airbus Helicopters Deutschland GmbH	MBB-BK 117 A-1, A-3, A-4, B-1, B-2, C-1, and C-2
2016-01-15		Agusta S.p.A.	AB139 and AW139
2016-01-19		MD Helicopters Inc.	500N and 600N

Biweekly 2016-03

2015-22-51		Agusta S.p.A.	A109A and A109AII helicopters
2016-02-06		Bell Helicopter Textron Canada Limited	429 helicopters

Biweekly 2016-04

2016-03-02		Turbomeca S.A.	ARRIEL 2C, 2C1, 2C2, 2S1, and 2S2 turboshaft engines
2016-03-05	S 2014-13-01	Airbus Helicopters Deutschland GmbH	MBB-BK 117 C-2 and MBB-BK 117 D-2 helicopters
2016-04-05	S 2014-03-18	B-N Group Ltd.	BN-2, BN-2A, BN-2A-2, BN-2A-3, BN-2A-6, BN-2A-8, BN-2A-9, BN-2A-20, BN-2A-21, BN-2A-26, BN-2A-27, BN-2B-20, BN-2B-21, BN-2B-26, BN-2B-27, BN2A MK. III, BN2A MK. III-2, and BN2A MK. III-3 airplanes

Biweekly 2016-05

2016-04-04		M7 Aerospace LLC	SA26-AT, SA226-T(B), SA226-AT, SA226-T, SA226-TC, SA227-AC (C-26A), SA227-AT, SA227-BC (C-26A), SA227-CC, SA227-DC (C-26B), and SA227-TT
2016-04-14		Turbomeca S.A.	Arriel IE2
2016-04-15		MD Helicopters Inc.	369A, 369D, 369E, 369FF, 369HE, 369HM, 369HS, 500N, and 600N
2016-05-06	S 2014-07-52	Airbus Helicopters	AS350B, AS350BA, AS350B1, AS350B2, AS350B3, AS350C, AS350D, AS350D1, AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP

Biweekly 2016-06

2016-04-12		Turbomeca S.A.	Arriel 2B, 2B1, 2C, 2C1, 2C2, 2D, 2E, 2S1, and 2S2 turboshaft engines
2016-05-01	R 96-12-12	Piper Aircraft, Inc.	PA-31, PA-31-300, PA-31-325 and PA-31-350
2016-05-08	R 2006-23-17	Turbomeca S.A.	Turmo IV A and IV C turboshaft engines.
2016-05-09		MD Helicopters, Inc.	369A (Army OH-6A), 369H, 369HE, 369HM, 369HS, and 369D; 369E, 369F and 369FF, 500N
2016-05-10		Airbus Helicopters	AS 365 N3, EC 155B, and EC155B1
2016-05-11		Sikorsky Aircraft Corporation	S-92A
2016-05-13		Pratt & Whitney Canada Corp.	PT6A-60AG, BS919 and BS1048; PT6A-65AG, BS708, BS903, BS1101, and BS1102; PT6A-67AF; and PT6A-67AG
2016-06-01	S 2007-06-06	B-N Group Ltd.	BN-2, BN-2A, BN-2A-2, BN-2A-3, BN-2A-6, BN-2A-8, BN-2A-9, BN-2A-20, BN-2A-21, BN-2A-26, BN-2A-27, BN-2B-20, BN-2B-21, BN-2B-26, BN-2B-27, BN2A MK. III, BN2A MK. III-2, BN2A MK. III-3 BN2A, BN2B, and BN2A MKIII, BN2A, BN2B, and BN2A MKIII

Biweekly 2016-07

2016-06-09		Turbomeca S.A.	Makila 2A and 2A1
2016-07-01	S 2014-07-04R1	Sikorsky Aircraft Corporation	S-92A
2016-07-02		Honeywell International Inc.	TFE731-4, -4R, -5AR, -5BR, and -5R
2016-07-11		Weatherly Aircraft Company	201, 201A, 201B, 201C, 620, 620A, 620B, 620B-TG, and 620TP

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Biweekly 2016-08

2016-07-13		GE Aviation Czech s.r.o	M601E-11
2016-07-19		Technify Motors GmbH	TAE 125-02-99 and TAE 125-02-114
2016-07-21	R 2015-20-13	Piper Aircraft, Inc.	PA-28-161, PA-28-181, and PA-28R-201
2016-07-24		Textron Aviation, Inc.	310 through 310R, E310H, E310J, T310P through T310R, 310J-1, 320 through 320F, 320-1, 335, 340, 340A, 401 through 401B, 402 through 402C, 411, 411A, 414, 414A, and 421 through 421C
2016-07-26	R 2010-23-02	Airbus Helicopters	SA-365N, SA-365N1, AS-365N2, and AS 365 N3
2016-07-27		Airbus Helicopters	SA341G and SA342J
2016-07-29		Airbus Helicopters	EC225LP, AS332C, AS332L, AS332L1, and AS332L2
2016-08-08	S 92-06-10	SOCATA	MS 880B, MS 885, MS 892A-150, MS 892E-150, MS 893A, MS 893E, MS 894A, MS 894E, Rallye 100S, Rallye 150ST, Rallye 150T, Rallye 235E, and Rallye 235C

Biweekly 2016-09

2016-08-16		Turbomeca S.A.	Arriel 2E turboshaft engines
2016-08-17	2010-19-51	Bell Helicopter Textron Canada	222, 222B, 222U, 230, and 430 helicopters
2016-08-21		Kaman Aerospace Corporation	K-1200 helicopters

Biweekly 2016-10

2015-09-04 R1	R 2015-09-04	DG Flugzeugbau GmbH	DG-1000T gliders
2016-06-06		Quest Aircraft Design, LLC	KODIAK 100 airplanes
2016-08-18		Piper Aircraft, Inc	PA-31-350 airplanes
2016-08-19		Mitsubishi Heavy Industries, Ltd	MU-2B-30, MU-2B-35, and MU-2B-36 , MU-2B-36A and MU-2B-60 airplanes,
2016-08-20	S 2014-12-51	Airbus Helicopters (Previously Eurocopter France)	EC130B4 and EC130T2
2016-09-02		Turbomeca S.A.	Astazou XIV B and XIV H turboshaft engines
2016-09-09	S 2013-08-17	Airbus Helicopters (Previously Eurocopter France)	SA-365N, SA-365N1, AS-365N2, AS 365 N3, and SA-366G1 helicopters
2016-10-01		M7 Aerospace LLC	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), and SA227-TT airplanes
2016-10-03		Viking Air Limited	DHC-3 airplanes

Biweekly 2016-11

2016-10-03	COR.	Viking Air Limited	DHC-3 airplanes
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Biweekly 2016-12

2016-11-09		Turbomeca S.A.	Arriel 1D and 1D1
2016-11-10	S 2000-20-11	BLANIK LIMITED	L-13 Blanik and L-13 AC Blanik
2016-11-11		EVEKTOR, spol. s.r.o.	L 13 SEH VIVAT and L 13 SDM VIVAT
2016-11-12	S 2000-20-12	EVEKTOR, spol. s.r.o.	L 13 SEH VIVAT and L 13 SDM VIVAT
2016-11-13	S 99-19-33	BLANIK LIMITED	L-13 Blanik and L-13 AC Blanik
2016-11-20		B/E Aerospace	Protective Breathing Equipment (PBE)
2016-11-21		Airbus Helicopters Deutschland GmbH	EC135P1, EC135P2, EC135P2+, EC135T1, EC135T2, and EC135T2+
2016-12-01		Pilatus Aircraft LTD.	PC-12, PC-12/45, PC-12/47, and PC-12/47E
2016-12-02		Various Aircraft	See AD
2016-12-51	E	Airbus Helicopters	AS332L2 and Model EC225LP

Biweekly 2016-13

2016-12-06		Turbomeca S.A.	MAKILA 2A and MAKILA 2A1 turboshaft engines
2016-12-07	S 2010-11-10	Turbomeca S.A.	Astazou XIV B and XIV H turboshaft engines
2016-12-08		GROB Aircraft AG	G115EG airplanes
2016-12-13	S 2000-05-17 S 2001-04-12	Airbus Helicopters	EC120B helicopters
2016-13-04		BRP-Powertrain GmbH & Co KG	Rotax model 912 F2, 912 F3, 912 F4, 912 S2, 912 S3, 912 S4, 914 F2, 914 F3, and 914 F4 reciprocating engines

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Biweekly 2016-14

2016-12-51		Airbus Helicopters	AS332L2 and EC225LP
2016-13-07		Airbus Helicopters	AS 365 N3
2016-14-05	R 2008-15-06	Textron Aviation Inc	175, 175A
2016-14-06	R 2006-13-05	Pacific Aerospace Limited	750XL

Biweekly 2016-15

2016-15-02		M7 Aerospace LLC	SA26-AT, SA26-T, 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), and SA227-TT
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2016-15-02 M7 Aerospace LLC: Amendment 39-18593; Docket No. FAA-2016-5431; Directorate Identifier 2016-CE-044-AD.

(a) Effective Date

This AD is effective August 26, 2016.

(b) Affected ADs

None.

(c) Applicability

This AD applies to M7 Aerospace LLC Models SA26-AT, SA26-T, 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), and SA227-TT airplanes, all serial numbers, certificated in any category.

(d) Subject

Joint Aircraft System Component (JASC)/Air Transport Association (ATA) of America Code 2700, Flight Controls.

(e) Unsafe Condition

This AD was prompted by reports of multiple cracks in the steel horizontal tube of the cockpit control column. We are requiring repetitive inspections of the cockpit control column horizontal tube with repair or replacement, as necessary, of the cockpit control column. We are issuing this AD to correct the unsafe condition on these products.

(f) Compliance

Comply with paragraphs (g)(1) through (2) of this AD using the following service bulletins within the compliance times specified below, unless already done:

(1) For Models SA26-T and SA26-AT: M7 Aerospace LLC Service Bulletin (SB) 26-27-002, dated October 8, 2015;

(2) For Models SA226-AT, SA226-T, SA226-T(B), and SA226-TC: M7 Aerospace LLC SB 226-27-078, dated October 8, 2015;

(3) For Models SA227-AC(C-26A), SA227-AT, SA227-BC(C-26A), and SA227-TT: M7 Aerospace LLC SB 227-27-058, dated October 8, 2015; or

(4) For Models SA227-CC and SA227-DC (C-26B): M7 Aerospace LLC SB CC7-27-030, dated October 8, 2015.

(g) Actions

(1) For all airplanes: Within the next 2,000 hours time-in-service (TIS) after [insert date 35 days after date of publication in the Federal Register] (the effective date of this AD) or no later than when the airplane accumulates 20,000 hours TIS, whichever occurs later, do an initial inspection of the cockpit control column horizontal tube for cracks following the Accomplishment Instructions in section 2. of the service bulletins identified in paragraphs (f)(1), (2), (3), or (4) of this AD, as applicable; and repetitively inspect as follows:

(i) For airplanes with less than 35,000 hours TIS as of [insert date 35 days after date of publication in the Federal Register] (the effective date of this AD): Repetitively inspect the cockpit control column horizontal tube for cracks every 5,000 hours TIS until the airplane reaches 35,000 hours TIS at which time do the inspection within 2,000 hours TIS from the last inspection or within the next 100 hours TIS, whichever occurs later, and then thereafter at intervals not to exceed 2,000 hours TIS.

(ii) For airplanes with 35,000 hours TIS or more as of [insert date 35 days after date of publication in the Federal Register] (the effective date of this AD): Repetitively inspect the cockpit control column horizontal tube for cracks every 2,000 hours TIS.

(2) For all airplanes: If any cracks are found following the inspections required in paragraphs (g)(1), (g)(1)(i), or (ii), as applicable, before further flight, repair the control column following the Accomplishment Instructions in section 2. of the service bulletins identified in paragraphs (f)(1), (2), (3), or (4), as applicable, of this AD.

Note to paragraph (g)(1) through (2) of this AD: The reporting of information requested in paragraph 2.H. of the Accomplishment Instructions in the service bulletins identified in paragraphs (f)(1), (2), (3), and (4) of this AD is not a required action of this AD.

(h) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Fort Worth Airplane Certification Office, 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 (j) 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.

(i) Related Information

For more information about this AD, contact Andrew McAnaul, Aerospace Engineer, FAA, ASW-143 (c/o San Antonio MIDO), 10100 Reunion Place, Suite 650, San Antonio, Texas 78216; phone: (210) 308-3365; fax: (210) 308-3370; email: andrew.mcanaul@faa.gov.

(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) M7 Aerospace LLC Service Bulletin (SB) 26-27-002, dated October 8, 2015;

(ii) M7 Aerospace LLC SB 226-27-078, dated October 8, 2015;

(iii) M7 Aerospace LLC SB 227-27-058, dated October 8, 2015; or

(iv) M7 Aerospace LLC SB CC7-27-030, dated October 8, 2015.

(3) For service information identified in this AD, contact M7 Aerospace LLC, 10823 NE Entrance Road, San Antonio, Texas 78216; phone: (210) 824-9421; fax: (210) 804-7766; Internet: <http://www.elbitsystems-us.com>; email: MetroTech@M7Aerospace.com.

(4) You may view this referenced 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 July 13, 2016.

Pat Mullen,
Acting Manager, Small Airplane Directorate,
Aircraft Certification Service.