

**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES**

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

BIWEEKLY 2017-10

5/1/2017 - 5/14/2017



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 2017-01

2016-24-51		Sikorsky Aircraft Corporation	S-92A
2016-25-13	S 2016-04-12	Safran Helicopter Engines, S.A.	Arriel 2B, 2B1, 2C, 2C1, 2C2, 2D, 2E, 2S1, and 2S2
2016-25-14		Airbus Helicopters Deutschland GmbH	BO-105LS A-3
2016-25-19	S 2010-21-07	Airbus Helicopters	AS350B3 and EC130B4
2016-25-20		Airbus Helicopters	EC130B4, EC130T2, AS350B, AS350B1, AS350B2, AS350B3, AS350BA, AS350C, AS350D, AS350D1, AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP
2016-25-28		Airbus Helicopters	AS355NP
2016-26-01		AGUSTAWESTLAND S.P.A.	AB139 and AW139
2016-26-04		Robinson Helicopter Company	R44 and R44 II; R66
2016-26-08	R 2014-22-01	PILATUS AIRCRAFT LTD.	PC-12, PC-12/45, PC-12/47, and PC-12/47E
2016-26-09	S 2016-06-01	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, BN-2T-4R, BN-2T, BN2A MK. III, BN2A MK. III-2, and BN2A MK. III-3

Biweekly 2017-02

2017-01-12		Diamond Aircraft Industries GmbH	DA 42 airplanes
2017-02-51		Sikorsky Aircraft Corporation	S-92A helicopters

Biweekly 2017-03

No ADs

Biweekly 2017-04

2016-26-08	COR	PILATUS AIRCRAFT LTD.	PC-12, PC-12/45, PC-12/47, and PC-12/47E airplanes
2017-02-06		Piper Aircraft, Inc.	PA-31T, PA-31T1, PA-31T2, PA-31T3, and PA-31P-350 airplanes
2017-02-07		Airbus Helicopters Deutschland GmbH	MBB-BK 117 C-2, and Model MBB-BK 117 D-2 helicopters
2017-02-11		Alexander Schleicher GmbH & Co.	ASK 21 gliders
2017-04-51		Safran Helicopter Engines, S.A.	Arriel 1A1, 1A2, 1B, 1C, 1C1, 1C2, 1D, 1D1, 1E2, 1K1, 1S and 1S1 turboshaft engines

Biweekly 2017-05

2017-02-51		Sikorsky Aircraft Corporation	S-92A helicopters
2017-03-01	S 2014-05-06	Airbus Helicopters Deutschland GmbH	EC135 P1, P2, P2+, T1, T2, and T2+ helicopters
2017-04-03		Pilatus Aircraft Limited	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 airplanes
2017-04-06		United Instruments, Inc.	5934 series altimeters
2017-04-14		Textron Aviation Inc.	560XL airplanes
2017-04-15		Learjet Inc.	36A airplanes
2017-05-03		Airbus Helicopters Deutschland GmbH	BO-105C, BO-105LS A-3, and BO-105S helicopters
2017-05-04		Bell Helicopter Textron Canada Limited	206A, 206B, 206L, 206L1, 206L3, and 206L4 helicopters
2017-05-51		Bell Helicopter Textron Canada	429 helicopters

Biweekly 2017-06

2017-05-08		Safran Helicopter Engines, S.A.	Arriel 2B turboshaft engines
2017-04-51		Safran Helicopter Engines, S.A.	Arriel 1A1, 1A2, 1B, 1C, 1C1, 1C2, 1D, 1D1, 1E2, 1K1, 1S, and 1S1 turboshaft engines

Biweekly 2017-07

2017-07-02		Sikorsky Aircraft Corporation	269D and Model 269D Configuration A helicopters
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AD No.	Information	Manufacturer	Applicability
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2017-07-01		M7 Aerospace LLC	SA226-T, SA226-AT, 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
2017-06-03	R 81-09-09	Meggitt (Troy), Inc.	921, 930, 937, 940, 944, 945, 977, 978, 979, 8240, 8253, 8259, and 8472 combustion heaters

Biweekly 2017-08

2017-07-10		American Champion Aircraft Corp.	8KCAB airplanes
2017-05-51		Bell Helicopter Textron Canada	429 helicopters
2017-07-08		Airbus Helicopters Deutschland GmbH	MBB-BK 117 D-2 helicopters
2017-07-09		Sikorsky Aircraft Corporation	S-92A helicopters

Biweekly 2017-09

2017-08-07		Learjet, Inc	60
2017-08-09		DG Flugzeugbau GmbH	DG-500MB
2017-08-12		GROB Aircraft AG	GROB G 109 and GROB G 109B
2017-09-02		Airbus Helicopters Deutschland GmbH	MBB-BK 117 C-2 and MBB-BK 117 D-2
2017-06-11		Airbus Helicopters	EC120B

Biweekly 2017-10

2017-09-05		Airbus Helicopters	AS332C, AS332C1, AS332L, AS332L1, AS332L2, and EC225LP helicopters
2017-09-07		Airbus Helicopters Deutschland GmbH	MBB-BK 117 C-2 helicopters



2017-09-05 Airbus Helicopters: Amendment 39-18867; Docket No. FAA-2016-6651; Directorate Identifier 2016-SW-015-AD.

(a) Applicability

This AD applies to Airbus Helicopters Model AS332C, AS332C1, AS332L, AS332L1, AS332L2, and EC225LP helicopters with emergency flotation gear installed, certificated in any category.

(b) Unsafe Condition

This AD defines the unsafe condition as failure of a rear upper screw fitting on the emergency flotation gear. This condition, if not detected and corrected, could result in failure of the emergency flotation system and subsequent capsizing of the helicopter.

(c) Effective Date

This AD becomes effective May 26, 2017.

(d) 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.

(e) Required Actions

Within 15 hours time-in-service, and before each flight over water thereafter:

(1) Visually check each emergency flotation gear left hand and right hand rear upper fitting to determine whether the heads of the lower screws are present. Figure 1 to paragraph (e)(1) of this AD depicts where the lower three screws (noted as B and E) are located. Check each screw for looseness by determining whether it can be rotated by hand. The actions required by paragraph (e)(1) of this AD 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 Title 14 Code of Federal Regulations (14CFR) §§ 43.9(a)(1)-(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.

(2) If a screw head is missing or if a screw is loose, before further flight over water, replace all screws in the fitting. Replacing the screws is not a terminating action for the repetitive checks required by this AD.

(f) Special Flight Permits

Special flight permits are prohibited for flight over water.

(g) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Safety Management Group, FAA, may approve AMOCs for this AD. Send your proposal to: Matt Fuller, Senior Aviation Safety Engineer, Safety Management Group, Rotorcraft Directorate, FAA, 10101 Hillwood Pkwy., Fort Worth, TX 76177; telephone (817) 222-5110; email 9-ASW-FTW-AMOC-Requests@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.

(h) Additional Information

(1) Airbus Helicopters Emergency Alert Service Bulletin No. 05.01.06, and Airbus Helicopters Emergency Alert Service Bulletin No. 05A047, both Revision 0, and both dated December 18, 2015, which are not incorporated by reference, contain additional information about the subject of this AD. For service information identified in this AD, contact Airbus Helicopters, 2701 N. Forum Drive, Grand Prairie, TX 75052; telephone (972) 641-0000 or (800) 232-0323; fax (972) 641-3775; or at <http://www.airbushelicopters.com/techpub>. You may review a copy of the service information at the FAA, Office of the Regional Counsel, Southwest Region, 10101 Hillwood Pkwy., Room 6N-321, Fort Worth, TX 76177.

(2) The subject of this AD is addressed in European Aviation Safety Agency (EASA) Emergency AD No. 2015-0239-E, dated December 18, 2015. You may view the EASA AD on the Internet at <http://www.regulations.gov> by searching for and locating it in Docket No. FAA-2016-6651.

(i) Subject

Joint Aircraft Service Component (JASC) Code: 3212, Emergency Flotation Section.

Issued in Fort Worth, Texas, on April 24, 2017.

Scott A. Horn,
Acting Manager, Rotorcraft Directorate,
Aircraft Certification Service.



2017-09-07 Airbus Helicopters Deutschland GmbH: Amendment 39-18869; Docket No. FAA-2016-6436; Directorate Identifier 2015-SW-037-AD.

(a) Applicability

This AD applies to Airbus Helicopters Deutschland GmbH (Airbus Helicopters) Model MBB-BK 117 C-2 helicopters, serial numbers 9004 through 9708, certificated in any category.

(b) Unsafe Condition

This AD defines the unsafe condition as an incorrectly installed heat-shrinkable sleeve on the collective lever wiring harness. This condition could result in chafing of the wiring and subsequent failure of the hoist cable cutter or emergency landing gear flotation systems.

(c) Effective Date

This AD becomes effective June 14, 2017.

(d) 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.

(e) Required Actions

Within 100 hours time-in-service, remove the pilot collective lever and visually inspect the pilot collective lever wiring harness for proper installation of the heat-shrinkable sleeve and transparent sleeve and for damage in accordance with paragraph 3.B.2.1 and as depicted in Figure 2 of Airbus Helicopters Alert Service Bulletin MBB-BK117 C-2-88A-010, Revision 1, dated April 16, 2015 (ASB).

(1) If the heat-shrinkable sleeve and transparent sleeve are installed as depicted in Figure 2 of the ASB and there is no damage, install the collective lever in accordance with paragraphs 3.B.2.3.a through 3.B.2.3.f of the ASB.

(2) If the heat-shrinkable sleeve or transparent sleeve is installed as depicted in Figure 3, Detail B of the ASB, alter the heat-shrinkable sleeve as depicted in Figure 3, Detail C.

(3) If the transparent sleeve is damaged as depicted in Figure 4, Detail D of the ASB, replace the heat-shrinkable sleeve, transparent sleeve, and identification sleeve. Replace any wire that has a nick, scratch, cut, or is frayed.

(f) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Safety Management Group, FAA, may approve AMOCs for this AD. Send your proposal to: George Schwab, Aviation Safety Engineer, Safety Management Group, Rotorcraft Directorate, FAA, 10101 Hillwood Pkwy, Fort Worth, TX 76177; telephone (817) 222-5110; email 9-ASW-FTW-AMOC-Requests@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.

(g) Additional Information

The subject of this AD is addressed in European Aviation Safety Agency (EASA) AD No. 2015-0144, dated July 21, 2015. You may view the EASA AD on the Internet at <http://www.regulations.gov> in Docket No. FAA-2016-6436.

(h) Subject

Joint Aircraft Service Component (JASC) Code: Wheel/Ski/Float/Emergency Equipment, 3246/2560.

(i) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference 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) Airbus Helicopters Alert Service Bulletin MBB-BK117 C-2-88A-010, Revision 1, dated April 16, 2015.

(ii) Reserved.

(3) For Airbus Helicopters service information identified in this AD, contact Airbus Helicopters, 2701 N. Forum Drive, Grand Prairie, TX 75052; telephone (972) 641-0000 or (800) 232-0323; fax (972) 641-3775; or at https://www.airbushelicopters.com/techpub/FO/scripts/myFO_login.php.

(4) You may view this service information at FAA, Office of the Regional Counsel, Southwest Region, 10101 Hillwood Pkwy, Room 6N-321, Fort Worth, TX 76177. 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 April 27, 2017.

Scott A. Horn,
Acting Manager, Rotorcraft Directorate,
Aircraft Certification Service.