

**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES**

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

BIWEEKLY 2016-07

3/21/2016 - 4/3/2016



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



2016-06-09 Turbomeca S.A.: Amendment 39-18440; Docket No. FAA-2016-2701; Directorate Identifier 2016-NE-03-AD.

(a) Effective Date

This AD is effective April 6, 2016.

(b) Affected ADs

None.

(c) Applicability

This AD applies to all Turbomeca S.A. Makila 2A and 2A1 turboshaft engines that have incorporated Turbomeca S.A. Service Bulletin No. 298 79 2831, Version B, dated November 13, 2015, or earlier.

(d) Reason

This AD was prompted by two occurrences of in-flight shutdowns as a result of the nut, attaching the swivel union to the power turbine module M04, coming loose. We are issuing this AD to prevent loosening of the nut, and oil leakage from the low pressure oil system, which could lead to in-flight shutdown of the engine and forced landing.

(e) Actions and Compliance

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

(1) Within 30 engine hours or 7 days after the effective date of this AD, whichever occurs first, apply 15 Newton-meters torque to the nut, part number 9560130990, attaching the swivel union to the engine power turbine module M04. Use a backup wrench to prevent the swivel union from rotating.

(f) Alternative Methods of Compliance (AMOCs)

The Manager, Engine Certification Office, FAA, may approve AMOCs for this AD. Use the procedures found in 14 CFR 39.19 to make your request. You may email your request to: ANE-AD-AMOC@faa.gov.

(g) Related Information

(1) For more information about this AD, contact Besian Luga, Aerospace Engineer, Engine Certification Office, FAA, Engine & Propeller Directorate, 1200 District Avenue, Burlington, MA 01803; phone: 781-238-7750; fax: 781-238-7199; email: besian.luga@faa.gov.

(2) Refer to MCAI European Aviation Safety Agency AD 2016-0016, dated January 15, 2016, for more information. You may examine the MCAI in the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating it in Docket No. FAA-2016-2701.

(3) Turbomeca S.A. Alert Mandatory Service Bulletin No. A298 79 2835, Version A, dated January 14, 2016, 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 16.

(5) You may view this service information at the FAA, Engine & Propeller Directorate, 1200 District Avenue, Burlington, MA 01803. 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 March 14, 2016.

Ann C. Mollica,
Acting Manager, Engine & Propeller Directorate,
Aircraft Certification Service.



2016-07-01 Sikorsky Aircraft Corporation: Amendment 39-18446; Docket No. FAA-2015-3942; Directorate Identifier 2014-SW-064-AD.

(a) Applicability

This AD applies to Model S-92A helicopters, serial number 920006 through 920084, certificated in any category.

(b) Unsafe Condition

This AD defines the unsafe condition as an incorrectly installed clamp that does not provide adequate clearance to prevent chafing between the high voltage electrical lines and the hydraulic hoses. This condition could result in a fire in an area of the helicopter without extinguishing capability and subsequent loss of control of the helicopter.

(c) Affected ADs

This AD supersedes AD 2014-07-04R1, Amendment 39-17964 (79 FR 54893, September 15, 2014).

(d) Effective Date

This AD becomes effective May 5, 2016.

(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

Within 150 hours time-in-service, reroute the left hand and right hand upper deck wiring system by complying with the Instructions, paragraph B, of Sikorsky Aircraft Corporation Special Service Instructions SSI No. 92-070A, Revision A, dated April 25, 2014.

(g) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Boston Aircraft Certification Office, FAA, may approve AMOCs for this AD. Send your proposal to: Ian Lucas, Aviation Safety Engineer, Engine & Propeller Directorate, FAA, 1200 District Avenue, Burlington, Massachusetts 01803; telephone (781) 238-7757; email ian.lucas@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

Sikorsky Aircraft Corporation Alert Service Bulletin ASB 92-20-003, Basic Issue, dated May 5, 2014, which is not incorporated by reference, contains additional information about the subject of this AD. For service information identified in this final rule, contact Sikorsky Aircraft Corporation, Customer Service Engineering, 124 Quarry Road, Trumbull, CT 06611; telephone 1-800-Winged-S or 203-416-4299; email sikorskywcs@sikorsky.com. You may review a copy of this service information at the FAA, Office of the Regional Counsel, Southwest Region, 10101 Hillwood Pkwy., Room 6N-321, Fort Worth, TX 76177.

(i) Subject

Joint Aircraft Service Component (JASC) Code: 2910 Main Hydraulic System.

(j) 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) Sikorsky Aircraft Corporation Special Service Instructions SSI No. 92-070A, Revision A, dated April 25, 2014.

(ii) Reserved.

(3) For service information identified in this final rule, contact Sikorsky Aircraft Corporation, Customer Service Engineering, 124 Quarry Road, Trumbull, CT 06611; telephone 1-800-Winged-S or 203-416-4299; email sikorskywcs@sikorsky.com.

(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 March 21, 2016.

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



2016-07-02 Honeywell International Inc. (Type Certificate previously held by AlliedSignal Inc., Garrett Turbine Engine Company): Amendment 39-18447; Docket No. FAA-2015-2208; Directorate Identifier 2015-NE-19-AD.

(a) Effective Date

This AD is effective May 5, 2016.

(b) Affected ADs

None.

(c) Applicability

This AD applies to all Honeywell International Inc. (Honeywell) TFE731-4, -4R, -5AR, -5BR, and -5R turbofan engines with an interstage turbine transition (ITT) duct, part number (P/N) 3075292-4, installed, with a serial number (S/N) listed in Table 2 of Honeywell Service Bulletin (SB) TFE731-72-3789, Revision 0, dated March 23, 2015.

(d) Unsafe Condition

This AD was prompted by a report of certain ITT ducts failing to meet containment capability requirements. We are issuing this AD to prevent failure of the ITT duct, which could lead to an uncontained part release, damage to the engine, and damage to the airplane.

(e) Compliance

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

(1) At the next removal of the ITT duct from the engine not to exceed 2,600 hours time-in-service after the effective date of this AD, remove the affected ITT duct and replace with a part eligible for installation.

(2) Reserved.

(f) Definition

For the purpose of this AD, a part eligible for installation is an ITT duct with an S/N that is not listed in Table 2 of Honeywell SB TFE731-72-3789, Revision 0, dated March 23, 2015 or, if listed in Table 2 of this SB, was reworked using Honeywell SB TFE731-72-3789.

(g) Installation Prohibition

After the effective date of this AD, do not install any ITT duct with an S/N listed in Table 2 of Honeywell SB TFE731-72-3789, Revision 0, dated March 23, 2015, onto any engine, unless the ITT duct is marked with the overhaul/repair instructions number "P35864" near the ITT duct P/N and S/N markings.

(h) Alternative Methods of Compliance (AMOCs)

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

(i) Related Information

For more information about this AD, contact Joseph Costa, Aerospace Engineer, Los Angeles Aircraft Certification Office, FAA, Transport Airplane Directorate, 3960 Paramount Blvd., Lakewood, CA 90712-4137; phone: 562-627-5246; fax: 562-627-5210; email: joseph.costa@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) Honeywell Service Bulletin TFE731-72-3789, Revision 0, dated March 23, 2015.

(ii) Reserved.

(3) For Honeywell service information identified in this AD, contact Honeywell International Inc., 111 S 34th Street, Phoenix, AZ 85034-2802; phone: 800-601-3099; Internet: <https://myaerospace.honeywell.com/wps/portal!/ut/>.

(4) You may view this service information at FAA, Engine & Propeller Directorate, 1200 District Avenue, Burlington, MA. For information on the availability of this material at the FAA, call 781-238-7125.

(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 Burlington, Massachusetts, on March 21, 2016.

Colleen M. D'Alessandro,
Manager, Engine & Propeller Directorate,
Aircraft Certification Service.



2016-07-11 Weatherly Aircraft Company: Amendment 39-18456; Docket No. FAA-2016-5422; Directorate Identifier 2016-CE-011-AD.

(a) Effective Date

This AD is effective April 15, 2016.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Weatherly Aircraft Company Models 201, 201A, 201B, 201C, 620, 620A, 620B, 620B-TG, and 620TP airplanes, all serial numbers, that:

- (1) have center and outer wing front spar lower hinge fittings, part number 40223 (any dash number configuration), installed; and
- (2) are certificated in any category.

(d) Subject

Joint Aircraft System Component (JASC)/Air Transport Association (ATA) of America Code 57, Wing Attach Fittings.

(e) Unsafe Condition

This AD was prompted by a report of cracks found on the center wing front spar lower hinge fitting. We are issuing this AD to detect and correct cracks and corrosion in the center and outer wing front spar lower hinge fitting, which could cause the fittings to fail. Failure of the wing front spar lower hinge fitting could result in the wing separating from the airplane and loss of control.

(f) Compliance

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

(g) Inspection

Within the next 30 days after April 15, 2016 (the effective date of this AD), do a close visual inspection of the center and outer wing front spar lower hinge fittings for cracks and corrosion. Prior to the inspection do the following:

- (1) Remove the left and right center wing to outer wing joint covers from the airplane.
- (2) Remove the lower forward wing hinge pin bolt caps.

(h) Replacement

If any cracks are found during the inspection required in paragraph (g) of this AD, before further flight, replace the cracked wing front spar lower hinge fitting with an airworthy part.

(i) Repair

If any corrosion is found during the inspection required in paragraph (g) of this AD, before further flight, remove up to .020 inches of the wing front spar lower hinge fitting material in any direction to repair corrosion. Replace any parts requiring removal of more than .020-inch of wing front spar lower hinge fitting. Any operator may request an alternative to the replacement requirement using the procedures found in 14 CFR 39.19 and paragraph (m) of this AD.

(j) Reporting Requirement

Within the next 10 days after the inspection required in paragraph (g) of this AD or within 10 days after April 15, 2016 (the effective date of this AD), whichever occurs later, report the result of the inspection to the FAA, Los Angeles Aircraft Certification Office (ACO), Attn: Mike Lee, Aerospace Engineer, 3960 Paramount Blvd. Suite 100, Lakewood, California, 90712; fax: (562) 627-5210; email: mike.s.lee@faa.gov. Include the following information. Please identify AD 2016-07-11 in the subject line if submitted through email.

- (1) Airplane serial number.
- (2) Hours time-in-service at time of inspection.
- (3) A description of any cracks found.
- (4) A description of any corrosion found.

(k) Special Flight Permit

Special flight permits are allowed for this AD per 14 CFR 39.23 for the requirement to remove up to .020 inches of corrosion as required in paragraph (i) of this AD. Special flight permits are prohibited for all other requirements of this AD.

(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, Los Angeles ACO, 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

For information on the subject matter of this AD, contact either:

(1) Weatherly Aircraft Company at phone: (316) 361-0101; email: weatherlyaircraft@cox.net; or

(2) Mike Lee, Aerospace Engineer, Aerospace Engineer, Los Angeles Aircraft Certification Office, FAA, 3960 Paramount Blvd. Suite 100, Lakewood, California, 90712; phone: (562) 627-5325; fax: (562) 627-5210; email: mike.s.lee@faa.gov.

Issued in Kansas City, Missouri, on March 25, 2016.

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