

**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES**

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

BIWEEKLY 2014-08

4/7/2014 - 4/20/2014



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

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 airplanes
2014-03-18		B-N Group Ltd.	BN-2 airplanes
2014-03-20		Piaggio Aero Industries S.P.A	P-180 airplanes
2014-04-01		Slingsby Aviation Ltd.	T67M260 airplanes
2014-04-02		Dornier Luftfahrt GmbH	228-212 airplanes
2014-04-03		Pacific Aerospace Limited	750XL airplanes
2014-04-04		Diamond Aircraft Industries GmbH	DA 42 NG and DA 42 M NG airplanes
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; and 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; and Model 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, and D1 helicopters and Model 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, and AS332 L2 helicopters; SA330J helicopters

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AD No.	Information	Manufacturer	Applicability
Information Key: E - Emergency; COR - Correction; S – Supersedes			
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 airplanes
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 airplanes
2014-06-06 2014-06-07 2014-06-51	S 2013-12-06	SOCATA Alexander Schleicher Airbus Helicopters Deutschland	TBM 700 airplanes 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



2014-07-04 Sikorsky Aircraft Corporation: Amendment 39-17818; Docket No. FAA-2014-0216; Directorate Identifier 2013-SW-045-AD.

(a) Applicability

This AD applies to Model S-92A helicopters, serial numbers 92006 through 920084, certificated in any category.

(b) Unsafe Condition

This AD defines the unsafe condition as an installation that does not provide adequate clearance to prevent chafing between the high voltage electrical wires and hydraulic lines. This condition could result in fire and subsequent loss of control of the helicopter.

(c) Effective Date

This AD becomes effective May 1, 2014.

(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

(1) Within 5 hours time-in-service, inspect the electrical wires and the hydraulic lines in the upper deck of the helicopter for chafing between electrical wires and hydraulic lines. If there is chafing between electrical wires and hydraulic lines, before further flight, replace the unairworthy wires or lines with airworthy wires or lines.

(2) Within 5 hours TIS, inspect each clamp for correct installation as shown in Figures 1 through 14 of Sikorsky Aircraft Corporation Alert Service Bulletin No. 92-20-001, dated October 27, 2005 (ASB). If clamps are incorrectly installed or missing, before further flight, install clamps by following the Accomplishment Instructions, paragraph 3.A.(4) through 3.A.(17) of the ASB.

(3) After each maintenance that requires removing clamps, comply with paragraphs (e)(1) and (e)(2) of this AD.

(f) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Boston Aircraft Certification Office, FAA, may approve AMOCs for this AD. Send your proposal to: Caspar Wang, Aviation Safety Engineer, Boston Aircraft Certification Office, Engine & Propeller Directorate, FAA, 12 New England Executive Park, Burlington, Massachusetts 01803; telephone (781) 238-7799; email caspar.wang@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) Subject

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

(i) 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) Sikorsky Aircraft Corporation Alert Service Bulletin No. 92-20-001, dated October 27, 2005.

(ii) Reserved.

(3) For Sikorsky Aircraft Corporation service information identified in this AD, contact 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, 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 March 28, 2014.

Kim Smith,
Directorate Manager, Rotorcraft Directorate,
Aircraft Certification Service.



2014-07-06 Turbomeca S.A.: Amendment 39-17820; Docket No. FAA-2007-27009; Directorate Identifier 2007-NE-02-AD.

(a) Effective Date

This AD is effective May 15, 2014.

(b) Affected ADs

This AD supersedes AD 2007-19-09R1, Amendment 39-16322 (75 FR 30687, June 2, 2010).

(c) Applicability

This AD applies to Turbomeca S.A. Arriel 2B1 turboshaft engines that do not have modification TU157 incorporated.

(d) Unsafe Condition

This AD was prompted by reports of ruptures on hydromechanical metering unit (HMU) constant delta pressure valves that have less than 2,000 hours in service. We are issuing this AD to prevent failure of the HMU, which could lead to damage to the engine, and damage to the aircraft.

(e) Compliance

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

(1) HMU operating hours and power turbine C2 cycles are known:

(i) If on the effective date of this AD, the HMU C2 cycles are less than 900, then replace the HMU before the HMU accumulates 1,000 C2 cycles or 1,500 HMU operating hours, whichever occurs first;

(ii) If on the effective date of this AD, the HMU C2 cycles are 900 or more, then replace the HMU within 100 HMU C2 cycles after the effective date of this AD;

(iii) Thereafter, replace the HMU at every 1,000 HMU C2 cycles or 1,500 HMU operating hours, whichever comes first.

(2) HMU operating hours are known and C2 cycles are not known:

(i) If on the effective date of this AD, the HMU operating hours are less than 1,100, then replace the HMU before accumulating 1,200 HMU operating hours;

(ii) If on the effective date of this AD, the HMU operating hours are 1,100 or more, then replace the HMU within 100 HMU operating hours after the effective date of this AD;

(iii) Thereafter, replace the HMU at every 1,200 HMU operating hours.

(f) Definition

For the purpose of this AD, HMU operating hours or C2 cycles are defined as operating hours or C2 cycles since new, since overhaul, or since incorporation of Turbomeca S.A. Service Bulletin (SB)

No. 292 73 2105, Version B, dated December 16, 2010, or earlier version, or Turbomeca S.A. Mandatory SB (MSB) No. 292 73 2818, Version D, dated June 24, 2013, or earlier version.

(g) Optional Terminating Action

Incorporation of Turbomeca S.A. SB No. 292 73 2157, Version C, dated July 17, 2013, or earlier version, is terminating action to the replacement and repetitive inspection requirements of this AD.

(h) Credit for Previous Actions

If you performed the actions required by paragraphs (e)(1) or (e)(2) of this AD using an earlier version of Turbomeca S.A. MSB No. 292 73 2818, Version D, dated June 24, 2013, you met the requirements of this AD. However, you must still repetitively replace the HMU as required by paragraphs (e)(1)(iii) and (e)(2)(iii) of this AD.

(i) 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.

(j) Related Information

(1) For more information about this AD, contact James Gray, Aerospace Engineer, Engine Certification Office, FAA, Engine & Propeller Directorate, 12 New England Executive Park, Burlington, MA 01803; phone: 781-238-7742; fax: 781-238-7199; email: james.e.gray@faa.gov.

(2) Refer to MCAI European Aviation Safety Agency AD 2013-0171, dated July 30, 2013. You may examine the MCAI in the AD docket on the Internet at <http://www.regulations.gov/#!documentDetail;D=FAA-2007-27009-0015>.

(3) Turbomeca S.A. MSB No. 292 73 2818, Version D, dated June 24, 2013, Turbomeca S.A. SB No. 292 73 2157, Version C, dated July 17, 2013, and Turbomeca S.A. SB No. 292 73 2105, Version B, dated December 16, 2010, which are not incorporated by reference in this AD, can be obtained from Turbomeca S.A. using the contact information in paragraph (j)(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 1.

(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.

(k) Material Incorporated by Reference

None.

Issued in Burlington, Massachusetts, on April 2, 2014.
Colleen M. D'Alessandro,
Assistant Directorate Manager, Engine & Propeller Directorate,
Aircraft Certification Service.