

**FEDERAL AVIATION ADMINISTRATION  
AIRWORTHINESS DIRECTIVES**

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

**BIWEEKLY 2015-17**

*8/10/2015 - 8/23/2015*



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 2015-01**

2014-26-04		GROB-WERKE	G115EG and G120A
2014-26-05		Beechcraft Corporation	G58

**Biweekly 2015-02**

2014-26-02		Airbus Helicopters	EC155B1 and AS 365 N3 helicopters
2015-01-02		Mitsubishi Heavy Industries, Ltd.	MU-2B-30, MU-2B-35, MU-2B-36, MU-2B-36A and MU-2B-60

**Biweekly 2015-03**

2014-12-11 R1	R 2014-12-11	Sikorsky Aircraft Corporation	S-92A
2015-01-03		Pilatus Aircraft Ltd	PC-7
2015-02-01	S 2011-23-01	Technify Motors GmbH (TMG)	TAE 125-01 and TAE 125-02-99
2015-02-07		Lycoming Engines	AEIO-320-D1B; AEIO-360-A1E, -A1E6, -B1H, -H1B; AEIO-540-D4A5, -D4B5, -D4D5, -L1B5, -L1B5D, -L1D5; AEIO-580-B1A; and IO-540-K1K5
2015-02-09		Costruzioni Aeronautiche Tecnam srl	P2006T
2015-02-10		Viking Air Limited	DHC-2 Mk. I, DHC-2 Mk. II, and DHC-2 Mk. III
2015-02-15		Quest Aircraft Design, LLC	KODIAK 100
2015-02-22	S 2012-14-06	Rolls-Royce Corporation	250-B17, -B17B, -B17C, -B17D, -B17E, -B17F, -B17F/1, -B17F/2; and 250-C20, -C20B, -C20F, -C20J, -C20R, -C20R/1, -C20R/2, -C20R/4, -C20S, and -C20W
2015-02-27	S 2013-19-19	Airbus Helicopters	AS332C, AS332L, AS332L1, AS332L2, and EC225LP

**Biweekly 2015-04**

2014-22-51		Airbus Helicopters	EC130T2 helicopters
2015-02-21		Agusta S.p.A.	AB139 and AW139 helicopters
2015-04-51	E	Enstrom Helicopter Corporation	F-28A, 280, F-28C, F-28C-2, F-28C-2R, 280C, F-28F, F-28F-R, 280F, 280FX, and 480 helicopters

**Biweekly 2015-05**

2015-04-01		Short Brothers & Harland Ltd	SC-7 Series 3
2015-04-04		Bell Helicopter Textron Inc.	412 and 412EP
2015-04-05		Sikorsky Aircraft Corporation	S-76A, S-76B, S-76C, and S-76D
2015-05-51	E	Agusta S.p.A.	A109A and A109A II
2015-05-52	E	Agusta S.p.A.	A109, A109A, A109A II, A109C, A109K2, A109E, A119, A109S, AW119 MKII, and AW109SP

**Biweekly 2015-06**

2015-04-01	COR	Short Brothers & Harland Ltd	SC-7 Series 3 airplanes
2015-05-04		Bell Helicopter Textron Canada	407 helicopters
2015-05-05	S 2014-04-14	Agusta	A109S and AW109SP helicopters; A119 and AW119 MKII helicopters
2015-05-06		Flugzeugwerke Altenrhein AG	AS 202/15 "BRAVO", AS 202/18A "BRAVO", and AS 202/18A4 "BRAVO" airplanes
2015-06-01	S 2014-06-03	British Aerospace	Jetstream Series 3101 and Jetstream 3201 airplanes
2015-06-02		GA 8 Airvan	GA8-TC320 airplanes
2015-06-03		Stemme AG	S6 and S6-RT gliders

**Biweekly 2015-07**

2015-06-09		Pacific Aerospace Limited	750XL airplanes
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**Biweekly 2015-08**

2015-05-52		Agusta S.p.A.	A109, A109A, A109A II, A109C, A109K2, A109E, A119, A109S, AW119 MKII, and AW109SP
2015-07-03		Cessna Aircraft Company	402C and 414A
2015-07-04		Pilatus Aircraft Ltd.	PC-7
2015-08-51	E S 2015-04-51	The Enstrom Helicopter Corporation	F-28A, 280, F-28C, F-28C-2, F-28C-2R, 280C, F-28F, F-28F-R, 280F, and 280FX; and 480

**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 2015-09**

2014-17-08R1	R 2014-17-08	Pratt & Whitney Canada Corp. (P&WC)	PT6A-114 and PT6A-114A
2015-08-04	S 99-01-05 R1	Various Airplanes	See AD

**Biweekly 2015-10**

2015-08-07		Zodiac Aerotechnics	See Ad
2015-09-01		Airbus Helicopters	EC225LP
2015-09-04	S 2013-22-14 R1	DG Flugzeugbau GmbH	DG-1000T
2015-09-06	S 2014-26-04	GROB-WERKE	G115EG and G120A

**Biweekly 2015-11**

2015-08-51	S 2015-04-51	The Enstrom Helicopter Corporation	F-28A, 280, F-28C, F-28C-2, F-28C-2R, 280C, F-28F, F-28F-R, 280F, 280FX; 480
2015-10-05		Airbus Helicopters (previously Eurocopter France)	AS365N3, EC155B, and EC155B1
2015-10-06		Lycoming Engines	TIO-540-AJ1A
2015-10-07	S 2014-01-01	Turbomeca S.A.	Arrius 2F
2015-10-51	E	Avidyne Aerospace	Integrated Flight Displays
2015-11-01		Slingsby Aviation Ltd.	T67M260 and T67M260-T3A

**Biweekly 2015-12**

2015-11-06	S 2013-18-01	Airbus Helicopters	EC 155B, EC155B1, SA-365N, SA-365N1, AS-365N2, AS 365 N3, and SA-366G1
2015-11-07		Agusta S.p.A.	AB412 and AB412 EP
2015-11-08	S 2014-02-08	Agusta	A109C, A109S, A109K2, A109E, and AW109SP
2015-11-09		Sikorsky Aircraft Corporation	269D and 269D
2015-11-10		Sikorsky Aircraft Corporation	S-92A
2015-12-01		Airbus Helicopters	AS355E, AS355F, AS355F1, and AS355F2
2015-12-02		Bell	206L-1, 206L-3, and 206L-4

**Biweekly 2015-13**

2015-05-51		Agusta S.p.A.	A109A, A109A II
2015-10-51		Avidyne Corporation	Integrated Flight Displays (IFDs)
2015-12-04	COR R 2006-15-08	Honeywell International Inc.	TPE331-1, -2, -2UA, -3U, -3UW, -5, -5A, -5AB, -5B, -6, -6A, -10, -10AV, -10GP, -10GT, -10P, -10R, -10T, -10U, -10UA, -10UF, -10UG, -10UGR, -10UR, -11U, -12JR, -12UA, -12UAR, and -12UHR
2015-12-09		Airbus Helicopters Deutschland GmbH	EC135P1, EC135T1, EC135P2, EC135T2, EC135P2+, EC135T2+, and MBB-BK 117 C-2

**Biweekly 2015-14**

2015-13-03		Przedsiębiorstwo Doswiadczalno-Produkcyjne Szybownictwa "PZL-Bielsko"	SZD-50-3 "Puchacz"
2015-13-09		Piper Aircraft, Inc.	PA-46-350P and PA-46-500TP
2015-13-10	S 2011-17-07	M7 Aerospace LLC	SA226-T, SA226-T(B), SA226-TC, and SA226-AT
2015-13-11		Bell Helicopter Textron Canada	430

**Biweekly 2015-15**

2015-06-02 R1	R 2015-06-02	GA 8 Airvan (Pty) Ltd	TC320
2015-12-04	COR R2006-15-08	Honeywell International Inc.	TPE331-1, -2, -2UA, -3U, -3UW, -5, -5A, -5AB, -5B, -6, -6A, -10, -10AV, -10GP, -10GT, -10P, -10R, -10T, -10U, -10UA, -10UF, -10UG, -10UGR, -10UR, -11U, -12JR, -12UA, -12UAR, and -12UHR
2015-14-02		GE Aviation Czech s.r.o.	M601E-11, M601E-11A, and M601F
2015-14-04		Kaman Aerospace Corporation	K-1200
2015-14-10		Pilatus Aircraft LTD	PC-12/47 and PC-12/47E
2015-15-04		Bell Helicopter Textron, Inc.	204B, 205A, and 205A-1; and 212

**Biweekly 2015-16**

2015-12-04	COR R 2006-15-08	Honeywell International Inc.	TPE331-1, -2, -2UA, -3U, -3UW, -5, -5A, -5AB, -5B, -6, -6A, -10, -10AV, -10GP, -10GT, -10P, -10R, -10T, -10U, -10UA, -10UF, -10UG, -10UGR, -10UR, -11U, -12JR, -12UA, -12UAR, and -12UHR
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**SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS**

AD No.	Information	Manufacturer	Applicability
Information Key: E - Emergency; COR - Correction; S – Supersedes; R - Replaces			
2015-13-04	S 2014-19-05	Turbomeca S.A.	Arriel 1A1, 1A2, 1B, 1C, 1C1, 1C2, 1D, 1D1, 1E2, 1K1, 1S, 1S1, 2B, 2B1, 2C, 2C1, 2C2, 2S1, and 2S2
2015-16-51	E	Bell Helicopter Textron Canada Limited (Bell)	429
<b>Biweekly 2015-17</b>			
2015-16-04		Kidde Gravier	See AD
2015-16-05		British Aerospace Regional Aircraft	Jetstream Series 3101 and Jetsream Model 3201
2015-16-06		British Aerospace Regional Aircraft	Jetstream Model 3201
2015-16-07		Reims Aviation S.A.	F406
2015-17-01	S 2013-21-01	Airbus Helicopters	AS350B, AS350BA, AS350B1, AS350B2, AS350B3, AS350C, AS350D, AS350D1, AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP
2015-17-02	S 2001-13-51	Bell Helicopter Textron Canada	206L-4, 407, 427, and 429



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**2015-16-04 Kidde Graviner:** Amendment 39-18229. Docket No. FAA-2014-0751; Directorate Identifier 2013-NM-188-AD.

**(a) Effective Date**

This AD becomes effective September 15, 2015.

**(b) Affected ADs**

None.

**(c) Applicability**

This AD applies to Kidde Graviner hand-operated fire extinguishers having part numbers 56412-001 (34H), 56411-001 (35H), and 56412-002 (38H). These fire extinguishers may be installed on, but not limited to, aircraft, certificated in any category, specified in paragraphs (c)(1), (c)(2), (c)(3), (c)(4), (c)(5), and (c)(6) of this AD.

(1) BAE Systems (Operations) Limited Model ATP airplanes.

(2) BAE Systems (Operations) Limited Model 4101 airplanes.

(3) Airbus Defense and Space S.A. (Type Certificate previously held by EADS CASA; Construcciones Aeronauticas, S.A.) Model C-212-CB, C-212-CC, C-212-CD, C-212-CE, C-212-CF, C-212-DE, and C-212-DF airplanes.

(4) Fokker Services B.V. Model F.27 Mark 050, 100, 200, 300, 400, 500, 600, and 700 airplanes.

(5) Short Brothers PLC Model SD3-60 SHERPA, SD3-SHERPA, SD3-30, and SD3-60 airplanes.

(6) SHORT BROTHERS & HARLAND LTD SC-7 Series 2 and SC-7 Series 3 airplanes.

**(d) Subject**

Air Transport Association (ATA) of America Code 26, Fire Protection.

**(e) Reason**

This AD was prompted by a report that a fire extinguisher failed to operate when the activation lever was pressed. We are issuing this AD to prevent fire extinguishers from failing to operate in the event of a fire, which could jeopardize occupants' safety and continuation of safe flight and landing.

**(f) Compliance**

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

**(g) Modification**

Within 6 months after the effective date of this AD, modify all Kidde Graviner hand-operated fire extinguishers having part numbers 56412-001 (34H), 56411-001 (35H), and 56412-002 (38H), in

accordance with the Accomplishment Instructions of Kidde Graviner Alert Service Bulletin A26-081, Revision 1, dated January 31, 2012.

**(h) Credit for Previous Actions**

This paragraph provides credit for actions required by paragraph (g) of this AD, if those actions were performed before the effective date of this AD using Kidde Graviner Alert Service Bulletin A26-081, dated August 23, 2011, which is not incorporated by reference in this AD.

**(i) Parts Installation Prohibition**

As of the effective date of this AD, no person may install any Kidde Graviner hand-operated fire extinguisher having part number 56412-001 (34H), 56411-001 (35H), or 56412-002 (38H) on any airplane unless the fire extinguisher has been modified as specified in paragraph (g) or (h) of this AD.

**(j) Other FAA AD Provision**

The following provision for Alternative Methods of Compliances (AMOCs) also applies to this AD: The manager of the office having certificate responsibility for the affected product 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. The Manager, Boston Aircraft Certification Office (ACO), FAA, will coordinate requests for approval of AMOCs with the manager of the appropriate office for the affected product. Send information to ATTN: Ian Lucas, Aerospace Engineer, Boston ACO, ANE-150, FAA, Engine and Propeller Directorate, 12 New England Executive Park, Burlington, MA 01803; phone: 781-238-7757; fax: 781-238-7170; email: ian.lucas@faa.gov. 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. The AMOC approval letter must specifically reference this AD.

**(k) Related Information**

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) European Aviation Safety Agency (EASA) Airworthiness Directive 2012-0037, dated March 9, 2012, for related information. This MCAI may be found in the AD docket on the Internet at <http://www.regulations.gov/#!documentDetail;D=FAA-2014-0751-0004>.

(2) Service information identified in this AD that is not incorporated by reference is available at the addresses specified in paragraphs (l)(3) and (l)(4) of this AD.

**(l) 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 this AD specifies otherwise.

(i) Kidde Graviner Alert Service Bulletin A26-081, Revision 1, dated January 31, 2012. Page 2 of this document is dated August 23, 2011.

(ii) Reserved.

(3) For service information identified in this AD, contact Kidde Graviner Limited, Mathisen Way, Colnbrook, Slough, Berkshire, SL3 0HB, United Kingdom; telephone +44 (0) 1753 583245; fax +44 (0) 1753 685040.

(4) You may view this service information at the FAA, Transport Airplane Directorate, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221.

(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 Renton, Washington, on July 29, 2015.

Michael Kaszycki,  
Acting Manager, Transport Airplane Directorate,  
Aircraft Certification Service.



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**2015-16-05 British Aerospace Regional Aircraft:** Amendment 39-18230; Docket No. FAA-2015-2048; Directorate Identifier 2015-CE-015-AD.

**(a) Effective Date**

This airworthiness directive (AD) becomes effective September 21, 2015.

**(b) Affected ADs**

None.

**(c) Applicability**

This AD applies to British Aerospace Regional Aircraft Jetstream Series 3101 and Jetsream Model 3201 airplanes, all serial numbers, certificated in any category.

**(d) Subject**

Air Transport Association of America (ATA) Code 32: Landing Gear.

**(e) Reason**

This AD was prompted by mandatory continuing airworthiness information (MCAI) originated by an aviation authority of another country to identify and correct an unsafe condition on an aviation product. The MCAI describes the unsafe condition as missing countersunk washers under the head of the main landing gear (MLG) trunnion cap tension bolts that could cause fatigue in the bolt shanks. We are issuing this AD to detect and correct missing countersunk washers, which could lead to failure of the bolt(s), thereby compromising the structural integrity of the other MLG tension bolts holding the MLG in place, possibly resulting in collapse of the MLG on take-off or landing with consequent damage to the airplane and injury to occupants.

**(f) Actions and Compliance**

Unless already done, do the actions in paragraphs (f)(1) through (f)(4) of this AD, including all subparagraphs, following the Accomplishment Instructions in British Aerospace Jetstream Series 3100 & 3200 Service Bulletin 57-JA120141, REVISION 1, dated April 8, 2014:

(1) This AD allows credit for the actions required in paragraphs (f)(3) and (f)(4), including all subparagraphs, of this AD if done before September 21, 2015 (the effective date of this AD) following the Accomplishment Instructions of British Aerospace Jetstream Series 3100 & 3200 Service Bulletin 57-JA120141, Original Issue, dated: July 31, 2012.

(2) For the purposes of this AD, owner/operators who do not track total flight cycles (FC) must multiply the total number of airplane hours time-in-service by 0.75 to calculate the FC.

(3) For Pre-Mod JM5218 airplanes: Within 250 FC after September 21, 2015 (the effective date of this AD), do a magnetic particle inspection (MPI) of each MLG trunnion cap tension bolt.

(i) If no crack is found during the MPI required by paragraph (f)(1) of this AD, before further flight, either re-install the crack-free bolt(s) or install a replacement bolt(s) having the same part number (P/N) as the original bolt. Install a countersunk washer under the bolt(s) ensuring the washer P/N is applicable to the diameter bolt installed as specified in figure 1 of paragraph (f)(3)(i) of this AD.

**Figure 1 of Paragraph (f)(3)(i)–Pre-Mod JM5218 Replacement Parts**

<b>Bolt P/N</b>	<b>Washer P/N</b>
MS21250H06040	PKS1000-6-2-S (washer).
MS21250H07040	PKS1000-7-2-S (washer).

(ii) If a cracked bolt is found during the inspection required by paragraph (f)(3) of this AD, before further flight, replace each cracked bolt with a replacement bolt having the same P/N as the original bolt. Install a countersunk washer under the bolt ensuring the washer P/N is applicable to the diameter bolt installed as specified in figure 1 of paragraph (f)(3)(i) of this AD.

(4) For Post-Mod JM5218 airplanes: Within 250 FC after September 21, 2015 (the effective date of this AD), visually inspect each MLG trunnion cap tension bolt to determine which type of bolt is installed.

(i) If it is determined the installed bolts are P/N MS21134H07045 or P/N MS21134H07059 during the inspection required in paragraph (f)(4) of this AD, before further flight (except as specified in paragraph (f)(4)(i)(A) of this AD), replace each 'old' bolt P/N with a 'new' bolt P/N as specified in figure 2 of paragraph (f)(4)(i) of this AD and install a washer having P/N PKS1000-7-2-S under each bolt.

**Figure 2 of Paragraph (f)(4)(i)–Post-Mod JM5218 Replacement Parts**

<b>Bolt P/N `Old'</b>	<b>Bolt P/N `New'</b>
MS21134H07045	MS21134H07046, or MS21250H07046.
MS21134H07059	MS21134H07060, or MS21250H07060.

(A) If no 'new' replacement bolt is available to comply with paragraph (f)(4)(i) of this AD, the 'old' bolt may be reinstalled without a countersunk washer, provided that within 500 FC after reinstallation and repetitively thereafter at intervals not to exceed 500 FC, each affected bolt is inspected by MPI.

(B) Within 2,000 FC after reinstallation of a bolt as allowed by paragraph (f)(4)(i)(A) of this AD or before further flight if a crack was found during any MPI as required by paragraph (f)(4)(i)(A) of this AD, whichever occurs first, replace the 'old' bolt P/N with a 'new' bolt P/N as specified in figure 2 of paragraph (f)(4)(i) of this AD and install a washer having P/N PKS1000-7-2-S under each bolt.

(ii) If it is determined the installed bolts are P/N MS21250H07046 or P/N MS21250H07060 and no countersunk washer is installed during the inspection required in paragraph (f)(4) of this AD, before further flight, do an MPI of each MLG trunnion cap tension bolt.

(A) If no crack is found during the MPI required by paragraph (f)(4)(ii) of this AD, before further flight, either re-install the crack-free bolts or install replacement bolts having a 'new' bolt P/N as specified in figure 2 of paragraph (f)(4)(i) of this AD and install a countersunk washer P/N PKS1000-7-2-S under each bolt.

(B) If any crack is found during the MPI required by paragraph (f)(4)(ii) of this AD, before further flight, replace each cracked bolt with a serviceable one having a 'new' bolt P/N as specified in

figure 2 of paragraph (f)(4)(i) of this AD and install a countersunk washer P/N PKS1000-7-2-S under each bolt.

**(g) Other FAA AD Provisions**

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, Standards Office, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. Send information to ATTN: Doug Rudolph, Aerospace Engineer, FAA, Small Airplane Directorate, 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: (816) 329-4059; fax: (816) 329-4090; email: doug.rudolph@faa.gov. Before using any approved AMOC on any airplane to which the AMOC applies, notify your appropriate principal inspector (PI) in the FAA Flight Standards District Office (FSDO), or lacking a PI, your local FSDO.

(2) Airworthy Product: For any requirement in this AD to obtain corrective actions from a manufacturer or other source, use these actions if they are FAA-approved. Corrective actions are considered FAA-approved if they are approved by the State of Design Authority (or their delegated agent). You are required to assure the product is airworthy before it is returned to service.

**(h) Related Information**

Refer to MCAI European Aviation Safety Agency (EASA) AD No.: 2015-0061, dated April 20, 2015; and British Aerospace Jetstream Series 3100 & 3200 Service Bulletin 57-JA120141, Original Issue, dated: July 31, 2012, for related information. The MCAI can be found in the AD docket on the Internet at: <http://www.regulations.gov/#!documentDetail;D=FAA-2015-2048-0003>.

**(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) British Aerospace Jetstream Series 3100 & 3200 Service Bulletin 57-JA120141, REVISION 1, dated April 8, 2014.

(ii) Reserved.

(3) For British Aerospace Regional Aircraft service information identified in this AD, contact BAE Systems (Operations) Limited, Customer Information Department, Prestwick International Airport, Ayrshire, KA9 2RW, Scotland, United Kingdom; telephone: +44 1292 675207; fax: +44 1292 675704; email: RApublications@baesystems.com; Internet: <http://www.baesystems.com/Businesses/RegionalAircraft/>.

(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. In addition, you can access this service information on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2015-2048.

(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 6, 2015.

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



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**2015-16-06 British Aerospace Regional Aircraft:** Amendment 39-18231; Docket No. FAA-2015-1744; Directorate Identifier 2015-CE-016-AD.

**(a) Effective Date**

This airworthiness directive (AD) becomes effective September 21, 2015.

**(b) Affected ADs**

None.

**(c) Applicability**

This AD applies to British Aerospace Regional Aircraft Jetstream Model 3201 airplanes, all serial numbers, that are:

- (1) Certificated in any category; and
- (2) Modified in service following BAE Systems (Operations) Ltd Service Bulletin (SB) 05-JM8229.

**(d) Subject**

Air Transport Association of America (ATA) Code 57: Wings.

**(e) Reason**

This AD was prompted by mandatory continuing airworthiness information (MCAI) originated by an aviation authority of another country to identify and correct an unsafe condition on an aviation product. The MCAI describes the unsafe condition as the in-service special detailed inspection technique required for the Jetstream 3200's life extension program was delayed; consequently, the in-service special detailed inspection (SDI) technique is not formally part of the life extension program and may therefore not be accomplished as intended. We are issuing this AD to detect and correct cracking in the wing main spar, which could result in structural failure of the wing with consequent loss of control.

**(f) Actions and Compliance**

Unless already done, do the following actions as specified in paragraphs (f)(1) through (f)(3) of this AD:

- (1) Before accumulating a total of 53,950 flight cycles (FC) on the airplane or within the next 50 FC after September 21, 2015 (the effective date of this AD), whichever occurs later, and repetitively thereafter at intervals not to exceed 14,300 FC, accomplish an eddy current (EC) and an x-ray inspection of the wing main spar around rib 36 following the instructions of British Aerospace Jetstream Series 3100 & 3200 Service Bulletin 57-JA140140, Original Issue, dated June 26, 2014. For the purposes of this AD, owner/operators who do not track total FC must multiply the total number of airplane hours time-in-service (TIS) by 0.75 to calculate the cycles.

(2) If any crack or corrosion is found during any inspection required by paragraph (f)(1) of this AD, before further flight, contact BAE Systems (Operations) Ltd for FAA-approved repair instructions approved specifically for this AD and accomplish those instructions. You can find contact information for BAE Systems (Operations) Ltd in paragraph (i)(3) of this AD. Use the Operator Report Form and follow the instructions in British Aerospace Jetstream Series 3100 & 3200 Service Bulletin 57-JA140140, Original Issue, dated: June 26, 2014.

(3) Repair of an airplane as required in paragraph (f)(2) of this AD does not terminate the repetitive inspections required in paragraph (f)(1) of this AD for that airplane, unless the approved repair instructions state otherwise.

#### **(g) Other FAA AD Provisions**

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, Standards Office, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. Send information to ATTN: Doug Rudolph, Aerospace Engineer, FAA, Small Airplane Directorate, 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: (816) 329-4059; fax: (816) 329-4090; email: doug.rudolph@faa.gov. Before using any approved AMOC on any airplane to which the AMOC applies, notify your appropriate principal inspector (PI) in the FAA Flight Standards District Office (FSDO), or lacking a PI, your local FSDO.

(2) Airworthy Product: For any requirement in this AD to obtain corrective actions from a manufacturer or other source, use these actions if they are FAA-approved. Corrective actions are considered FAA-approved if they are approved by the State of Design Authority (or their delegated agent). You are required to assure the product is airworthy before it is returned to service.

(3) Reporting Requirements: For any reporting requirement in this AD, 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.

#### **(h) Related Information**

Refer to MCAI European Aviation Safety Agency (EASA) AD No.: 2015-0063, dated April 22, 2015, for related information. The MCAI can be found in the AD docket on the Internet at: <http://www.regulations.gov/#!documentDetail;D=FAA-2015-1744-0002>.

#### **(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) British Aerospace Regional Aircraft British Aerospace Jetstream Series 3100 & 3200 Service Bulletin 57-JA140140, Original Issue, dated: June 26, 2014.

(ii) Reserved.

(3) For British Aerospace Regional Aircraft service information identified in this AD, contact BAE Systems (Operations) Limited, Customer Information Department, Prestwick International

Airport, Ayrshire, KA9 2RW, Scotland, United Kingdom; telephone: +44 1292 675207; fax: +44 1292 675704; email: RApublications@baesystems.com; Internet: <http://www.baesystems.com/Businesses/RegionalAircraft/>.

(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. In addition, you can access this service information on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2015-1744.

(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 6, 2015.

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



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**2015-16-07 REIMS AVIATION S.A.:** Amendment 39-18232; Docket No. FAA-2015-3398; Directorate Identifier 2015-CE-031-AD.

**(a) Effective Date**

This airworthiness directive (AD) becomes effective August 18, 2015.

**(b) Affected ADs**

None.

**(c) Applicability**

This AD applies to Reims Aviation S.A. Model F406 airplanes, serial numbers 0001 through 0098, certificated in any category.

**(d) Subject**

Air Transport Association of America (ATA) Code 27: Flight Controls.

**(e) Reason**

This AD was prompted by mandatory continuing airworthiness information (MCAI) originated by an aviation authority of another country to identify and correct an unsafe condition on an aviation product. The MCAI describes the unsafe condition as detachment of the pilot's rudder control pedal in flight. We are issuing this AD to detect and correct cracking of the pilot rudder control pedal which, if not corrected, could result in detachment of the pedal with possible loss of airplane directional control.

**(f) Actions and Compliance**

Unless already done, do the actions in paragraphs (f)(1) through (f)(4) of this AD.

(1) Before further flight after August 18, 2015 (the effective date of this AD), do a visual inspection and a dye or fluorescent penetrant inspection of the rudder control pedal torque tubes, LH (Part Number (P/N) 5115260-1) and RH (P/N 5115260-2), following the instructions of PART A of ASI AVIATION Service Bulletin No.: F406-104, dated July 28, 2015.

(2) If no crack is detected during the inspection required by paragraph (f)(1) of this AD, within 100 hours time-in-service (TIS) after August 18, 2015 (the effective date of this AD), do a magnetic particle inspection of the rudder control pedal torque tubes, LH (P/N 5115260-1) and RH (P/N 5115260-2), following the instructions of PART B of ASI AVIATION Service Bulletin No.: F406-104, dated July 28, 2015.

(3) If any crack is detected on a rudder control pedal torque tube during the inspection required by paragraph (f)(1) or (f)(2) of this AD, before further flight, replace the affected part with a serviceable part following the instructions of ASI AVIATION Service Bulletin No.: F406-104, dated July 28, 2015.

(4) For the purpose of this AD, a serviceable part is a rudder control pedal torque tube that has had a magnetic particle inspection following the instructions of PART B of ASI AVIATION Service Bulletin No.: F406-104, dated July 28, 2015, and no cracks were found.

(5) You may install a rudder control pedal torque tube P/N 5115260-1 (LH) or P/N 5115260-2 (RH) on an airplane, provided it is a serviceable part.

**(g) Other FAA AD Provisions**

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, Standards Office, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. Send information to ATTN: Albert J. Mercado, Aerospace Engineer, FAA, Small Airplane Directorate, 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: (816) 329-4119; fax: (816) 329-4090; email: albert.mercado@faa.gov. Before using any approved AMOC on any airplane to which the AMOC applies, notify your appropriate principal inspector (PI) in the FAA Flight Standards District Office (FSDO), or lacking a PI, your local FSDO.

(2) Airworthy Product: For any requirement in this AD to obtain corrective actions from a manufacturer or other source, use these actions if they are FAA-approved. Corrective actions are considered FAA-approved if they are approved by the State of Design Authority (or their delegated agent). You are required to assure the product is airworthy before it is returned to service.

(3) Reporting Requirements: For any reporting requirement in this AD, 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.

**(h) Related Information**

Refer to MCAI European Aviation Safety Agency (EASA) AD No.: 2015-0159-E, dated July 31, 2015, for related information. You may examine the MCAI on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2015-3398.

**(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) ASI AVIATION Service Bulletin No.: F406-104, dated July 28, 2015.

(ii) Reserved.

(3) For service information identified in this AD, contact ASI Aviation, A rodrome de Reims Prunay, 51360 Prunay, FRANCE; phone: +33 3 26 48 46 65; fax: +33 3 26 49 18 57; email: none; Internet: <http://asi-aviation.fr/asi-aviation-support/1.html> (requires user name and password).

(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. It is also available on the Internet at <http://www.regulations.gov> by searching for locating Docket No. FAA-2015-3398.

(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 6, 2015.  
Earl Lawrence,  
Manager, Small Airplane Directorate,  
Aircraft Certification Service.



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**2015-17-01 Airbus Helicopters (Previously Eurocopter France) (Airbus Helicopters):**  
Amendment 39-18234; Docket No. FAA-2014-0364; Directorate Identifier 2013-SW-041-AD.

**(a) Applicability**

This AD applies to Airbus Helicopters Model AS350B, AS350BA, AS350B1, AS350B2, AS350B3, AS350C, AS350D, AS350D1, AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP helicopters with tail rotor hub pitch horn (pitch horn) assembly, part number (P/N) 350A121368.01, 350A121368.02, 350A121368.03, or 350A121368.04, with a pitch horn, P/N 350A121368.XX, where XX stands for a two-digit dash number, installed, certificated in any category. The pitch horn may be marked with either the pitch horn assembly P/N or pitch horn P/N.

**(b) Unsafe Condition**

This AD defines the unsafe condition as a crack in the yoke of a pitch horn. This condition could result in failure of a pitch horn, loss of the anti-torque function, and subsequent loss of control of the helicopter.

**(c) Affected ADs**

This AD supersedes 2013-21-01, Amendment 39-17625 (78 FR 63853, October 25, 2013).

**(d) Effective Date**

This AD becomes effective September 24, 2015.

**(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) For parts with 155 or less hours time-in-service (TIS), before exceeding 165 hours TIS, or for parts with more than 155 hours TIS, within 10 hours TIS, and thereafter at intervals not to exceed 165 hours TIS, visually inspect each pitch horn for a crack in the areas shown in Figure 1 of Eurocopter Emergency Alert Service Bulletin (EASB) No. 05.00.74 or No. 05.00.65, both Revision 1 and both dated June 25, 2013, as appropriate for your model helicopter.

(2) If there is a crack, before further flight, replace the pitch horn with an airworthy pitch horn.

(3) Do not install a pitch horn, P/N 350A121368 (any dash number), with more than 0 hours TIS on any helicopter unless it has passed a dye penetrant inspection for a crack in the areas shown in Figure 1 of Eurocopter EASB No. 05.00.74 or No. 05.00.65, both Revision 1 and both dated June 25, 2013, as appropriate for your model helicopter.

**(g) Special Flight Permits**

Special flight permits are prohibited.

**(h) Alternative Methods of Compliance (AMOCs)**

(1) The Manager, Safety Management Group, FAA, may approve AMOCs for this AD. Send your proposal to: Robert Grant, Aviation Safety Engineer, Safety Management Group, FAA, 10101 Hillwood Pkwy, Fort Worth, Texas 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.

**(i) Additional Information**

The subject of this AD is addressed in European Aviation Safety Agency (EASA) AD No. 2013-0133, dated June 28, 2013. You may view the EASA AD on the Internet at <http://www.regulations.gov> in Docket No. FAA-2014-0364.

**(j) Subject**

Joint Aircraft Service Component (JASC) Code: 6400 Tail Rotor.

**(k) 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.

(3) The following service information was approved for IBR on October 25, 2013 (78 FR 63853, October 25, 2013).

(i) Eurocopter Emergency Alert Service Bulletin No. 05.00.74, Revision 1, dated June 25, 2013.

(ii) Eurocopter Emergency Alert Service Bulletin No. 05.00.65, Revision 1, dated June 25, 2013.

Note 1 to paragraph (k)(3) of this AD: Eurocopter Emergency Alert Service Bulletin No. 05.00.74 and No. 05.00.65, both Revision 1, and both dated June 25, 2013, are co-published as one document along with Eurocopter Emergency Alert Service Bulletin No. 05.00.49 and No. 05.00.44, both Revision 1, and both dated June 25, 2013, which are not incorporated by reference in this AD.

(4) For Eurocopter service information identified in this AD, contact Airbus Helicopters, Inc., 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>.

(5) You may view this service information at FAA, Office of the Regional Counsel, Southwest Region, 10101 Hillwood Pkwy, Room 6N-321, Fort Worth, Texas 76177. For information on the availability of this material at the FAA, call (817) 222-5110.

(6) 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 6, 2015.  
Larry M. Kelly,  
Acting Directorate Manager, Rotorcraft Directorate,  
Aircraft Certification Service.



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**2015-17-02 Bell Helicopter Textron Canada (Bell):** Amendment 39-18235; Docket No. FAA-2014-0643; Directorate Identifier 2013-SW-059-AD.

**(a) Applicability**

This AD applies to Model 206L-4, 407, 427, and 429 helicopters with an engine-to-transmission driveshaft assembly (driveshaft), part number (P/N) 206-340-300-105, installed, certificated in any category.

**(b) Unsafe Condition**

This AD defines the unsafe condition as failure of a driveshaft due to cracking of the flex frame on the forward end of the driveshaft. This condition could result in loss of drive to the main rotor system and a subsequent emergency forced landing.

**(c) Affected ADs**

This AD supersedes AD 2001-13-51, Amendment 39-12443, Docket No. 2001-SW-29-AD (66 FR 48535, September 21, 2001).

**(d) Effective Date**

This AD becomes effective September 24, 2015.

**(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) Within 50 hours time-in-service (TIS), determine whether driveshaft, P/N 206-340-300-105, has ever been installed on a Bell Model 407 helicopter, and record this on the component history card or equivalent record. If driveshaft, P/N 206-340-300-105, has ever been installed on a Bell Model 407 helicopter:

(i) For Bell Model 206L-4, 407, and 427 helicopters, within 25 hours TIS, inspect each driveshaft for a crack, a loose bolt or nut, and red powder residue. If there is a crack, a loose bolt or nut, or red powder residue, replace the driveshaft with an airworthy driveshaft before further flight.

(ii) For all affected Bell model helicopters, on or before accumulating 1,250 hours TIS, replace each driveshaft with an airworthy driveshaft.

(2) Do not install driveshaft, P/N 206-340-300-105, on any helicopter if it has ever been installed on a Bell Model 407 helicopter.

**(g) Special Flight Permit**

Special flight permits are prohibited.

**(h) Alternative Methods of Compliance (AMOCs)**

(1) The Manager, Safety Management Group, FAA, may approve AMOCs for this AD. Send your proposal to: Matthew Fuller, Aviation Safety Engineer, Safety Management Group, Rotorcraft Directorate, FAA, 10101 Hillwood Pkwy, Fort Worth, Texas 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.

**(i) Additional Information**

(1) Bell Alert Service Bulletin (ASB) No. 206L-01-123, Revision A, dated February 22, 2006; ASB No. 427-01-04, Revision A, dated March 31, 2006; and ASB No. 407-01-45, Revision B, dated April 23, 2013, which are not incorporated by reference, contain additional information about the subject of this AD. For service information identified in this AD, contact Bell Helicopter Textron Canada Limited, 12,800 Rue de l'Avenir, Mirabel, Quebec J7J1R4; telephone (450) 437-2862 or (800) 363-8023; fax (450) 433-0272; or at <http://www.bellcustomer.com/files/>. 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, Texas 76177.

(2) The subject of this AD is addressed in Transport Canada Civil Aviation (TCCA) AD No. CF-2002-03R3, Revision 3, dated September 26, 2013. You may view the TCCA AD on the Internet at <http://www.regulations.gov> in Docket No. FAA-2014-0643.

**(j) Subject**

Joint Aircraft Service Component (JASC) Code: 6300 Main Rotor Drive System.

Issued in Fort Worth, Texas, on August 6, 2015.

Larry M. Kelly,  
Acting Directorate Manager, Rotorcraft Directorate,  
Aircraft Certification Service.