

**FEDERAL AVIATION ADMINISTRATION  
AIRWORTHINESS DIRECTIVES**

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

**BIWEEKLY 2017-19**

*9/4/2017 - 9/17/2017*



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

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
<b>Biweekly 2017-08</b>			
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
<b>Biweekly 2017-09</b>			
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
<b>Biweekly 2017-10</b>			
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
<b>Biweekly 2017-11</b>			
2017-10-02	S 2015-11-01	Slingsby Aviation Ltd.	T67M260 and T67M260-T3A airplanes
2017-10-03	R 2003-11-12	ZLIN AIRCRAFT a.s.	Z-242L airplanes
2017-10-09		Textron Aviation Inc.	402C, 414A airplanes
2017-10-11		Stemme AG	S10-VT gliders
2017-10-14	S 2014-07-07	British Aerospace Regional Aircraft	HP.137 Jetstream Mk.1, Jetstream Series 200, and Jetstream Series 3101 airplanes
2017-10-20		Piper Aircraft, Inc.	PA-31, PA-31-300, and PA-31-325; PA-31-350 airplanes
2017-11-03		DG Flugzeugbau GmbH	DG-500MB gliders
<b>Biweekly 2017-12</b>			
2017-10-03	R 2003-11-12	ZLIN AIRCRAFT a.s	Z-242L airplanes
2017-10-14	S 2014-07-07	British Aerospace Regional Aircraft	HP.137 Jetstream Mk.1, Jetstream Series 200, and Jetstream Series 3101 airplanes
2017-11-08		Diamond Aircraft Industries GmbH	DA 42 airplanes
2017-11-09	R 2017-08-07	Learjet, Inc.	60 airplanes
2017-11-11		NavWorx, Inc.	ADS600-B and ADS600-EXP ADS-B Universal Access Transceiver units
2017-11-16		PILATUS AIRCRAFT LTD.	PC-12/47E airplanes
<b>Biweekly 2017-13</b>			
2017-11-10		Lycoming Engines	TIO-540-AJ1A reciprocating engines
2017-12-04	S 2016-20-04	Airbus Helicopters	SA 341G and Model SA 342J helicopters
2017-13-03		Bell Helicopter Textron Canada Limited	429 helicopters
2017-13-04		Airbus Helicopters Deutschland GmbH	MBB-BK 117 C-2 (including configuration C-2e) and Model MBB-BK 117 D-2 helicopters
<b>Biweekly 2017-14</b>			
2017-13-06		DG Flugzeugbau GmbH	DG-400, DG-500M, DG-500MB, DG-800A, and DG-800B
<b>Biweekly 2017-15</b>			
2017-10-10		Sikorsky Aircraft Corporation	S-92A helicopters
2017-10-12		Airbus Helicopters	AS332C, AS332C1, AS332L, AS332L1, AS332L2, and EC225LP helicopters

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2017-14-04	R 95-26-13	Piper Aircraft, Inc.	PA-28-140, PA-28-150, PA-28-151, PA-28-161, PA-28-160, PA-28-180, PA-28-181, PA-28-235, PA-28-236, PA-28R-180, PA-28R-200, PA-28R-201, PA-28S-160, PA-28S-180, PA-32-260, PA-32-300, PA-32-301, PA-32-301T, PA-32R-300, PA-32R-301 (SP), PA-32R-301 (HP), PA-32R-301T, PA-32RT-300, PA-32RT-300T, and PA-32S-300 airplanes
2017-14-05	S 93-17-13	Airbus Helicopters	SA330J helicopters
2017-14-06		Sikorsky Aircraft Corporation	TH55A, 269A, 269A-1, 269B, 269C and 269C-1 helicopters
2017-15-02		Bell Helicopter Textron, Inc.	212 and 412 helicopters
<b>Biweekly 2017-16</b>			
2017-14-03		Sikorsky Aircraft Corporation	S-92A helicopters
2017-15-05		Piper Aircraft, Inc.	PA-23, PA-23-160, PA-23-235, PA-23-250, PA-E23-250, and PA-30 airplanes
2017-15-06	R 97-10-05	British Aerospace Regional Aircraft	HP.137 Jetstream Mk.1, Jetstream Series 200 and 3101, and Jetstream Model 3201 airplanes
2017-15-07	R 2017-04-51	Safran Helicopter Engines, S.A.	Arriel 1A1, 1A2, 1B, 1C, 1C1, 1C2, 1D, 1D1, 1E2, 1K1, 1S, and 1S1 turboshaft engines
2017-15-09		Diamond Aircraft Industries GmbH	DA 42 airplanes
2017-15-13		Bell Helicopter Textron Canada Limited	429 helicopters
2017-15-15		R 2002-19-01	SOCATA
2017-16-02		Agusta S.p.A.	A109S helicopters
<b>Biweekly 2017-17</b>			
2017-16-03		Piper Aircraft, Inc.	PA-46-600TP (M600)
2017-16-04		Romtex Anjou Aeronautique (Romtex)	torso restraint systems
2017-16-11		Lycoming Engines	See AD
<b>Biweekly 2017-18</b>			
2017-17-01	S 2014-16-01	Airbus Helicopters	AS332L2 and EC225LP helicopters
2017-17-03		MD Helicopters, Inc.	MD900 helicopters
<b>Biweekly 2017-19</b>			
2017-18-10		Diamond Aircraft Industries GmbH	DA 42, DA 42 M-NG, and DA 42 NG airplanes
2017-18-11	R 2016-11-20	Textron Aviation Inc.	390 airplanes
2017-18-12		B/E Aerospace	Protective Breathing Equipment (PBE), part numbers (P/N) 119003-11 and 119003-21
2017-18-13	S 2015-22-51	Agusta S.p.A.	A109A and A109A II helicopters



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**2017-18-10 Diamond Aircraft Industries GmbH:** Amendment 39-19019; Docket No. FAA-2017-0638; Product Identifier 2017-CE-018-AD.

**(a) Effective Date**

This airworthiness directive (AD) becomes effective October 11, 2017.

**(b) Affected ADs**

None.

**(c) Applicability**

This AD applies to Diamond Aircraft Industries GmbH Models DA 42, DA 42 M-NG, and DA 42 NG airplanes, serial numbers 42.004 through 42.427, 42.AC001 through 42.AC151, 42.M001 through 42.M026, 42.N001 through 42.N067, 42.N100 through 42.N129, 42.NC001 through 42.NC008, and 42.MN001 through 42.MN033, 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 crack formation on the flap bell crank. We are issuing this AD to prevent failure of the flap bell crank, which could result in reduced control.

**(f) Actions and Compliance**

Unless already done, do the following actions:

(1) Inspect the flap bell crank, part number (P/N) D60-2757-11-00, and modify the flap control system by installing two spacers, P/N DS BU2-10-06-0065-C, where the flap actuator rod end bearing is connected to the flap bell crank, following the Instructions section in Diamond Aircraft Industries GmbH (DAI) Work Instruction WI-MSB 42-126/WI-MSB 42NG-066, dated March 27, 2017 (single document), as specified in DAI Mandatory Service Bulletin MSB 42-126/MSB 42NG-066, dated March 27, 2017 (single document), at whichever of the following compliance times occurs later:

(i) Before exceeding 600 hours time-in-service (TIS), and repetitively thereafter at intervals not to exceed 200 hours TIS.

(ii) Within the next 100 hours TIS after October 11, 2017 (the effective date of this AD) or within the next 6 months after October 11, 2017 (the effective date of this AD), whichever occurs first, and repetitively thereafter at intervals not to exceed 200 hours TIS.

(2) If any discrepancies are found during any inspection required in paragraph (f)(1) of this AD, before further flight, replace the flap bell crank with an improved part, P/N D60-2757-11-00\_01, following the Instructions section in DAI Work Instruction WI-MSB 42-126/WI-MSB 42NG-066, dated March 27, 2017 (single document), as specified in DAI Mandatory Service Bulletin MSB 42-126/MSB 42NG-066, dated March 27, 2017 (single document). Installing P/N D60-2757-11-00\_01 terminates the repetitive inspections required in paragraph (f)(1) of this AD. This installation as terminating action may be done in lieu of the inspections required in paragraph (f)(1) of this AD.

**(g) Other FAA AD Provisions**

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, Small Airplane Standards Branch, 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: Mike Kiesov, Aerospace Engineer, Small Airplane Standards Branch, FAA 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: (816) 329-4144; fax: (816) 329-4090; email: mike.kiesov@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) Contacting the Manufacturer: For any requirement in this AD to obtain corrective actions from a manufacturer, the action must be accomplished using a method approved by the Manager, Small Airplane Standards Branch, FAA; or the European Aviation Safety Agency (EASA); or if there is a delegated foreign airworthiness authority Design Organization Approval (DOA). If approved by the DOA, the approval must include the DOA-authorized signature.

**(h) Related Information**

Refer to MCAI European Aviation Safety Agency (EASA) AD No. 2017-0074, dated April 28, 2017. You may examine the MCAI on the Internet at <https://www.regulations.gov/document?D=FAA-2017-0638-0002>.

**(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 this AD specifies otherwise.

(i) Diamond Aircraft Industries GmbH Mandatory Service Bulletin MSB 42-126/MSB 42NG-066, dated March 27, 2017 (single document).

(ii) Diamond Aircraft Industries GmbH Work Instruction WI-MSB 42-126/WI-MSB 42NG-066, dated March 27, 2017 (single document).

(3) For Diamond Aircraft Industries GmbH service information identified in this AD, contact Diamond Aircraft Industries GmbH, N.A. Otto-Straße 5, A-2700 Wiener Neustadt, Austria, telephone: +43 2622 26700; fax: +43 2622 26780; email: office@diamond-air.at; Internet: <http://www.diamondaircraft.com>.

(4) You may view this service information at the FAA, Policy and Innovation Division, 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-2017-0638.

(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 28, 2017.  
Melvin Johnson,  
Deputy Director, Policy and Innovation Division,  
Aircraft Certification Service.



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**2017-18-11 Textron Aviation Inc.:** Amendment 39-19020; Docket No. FAA-2017-0608; Product Identifier 2017-C E-017-AD.

**(a) Effective Date**

This AD is effective October 16, 2017.

**(b) Affected ADs**

None.

**(c) Applicability**

This AD applies to Textron Aviation Inc. (type certificate previously held by Beechcraft Corporation) Model 390 airplanes; serial numbers RB-4 through RB-295; certificated in any category.

**(d) Subject**

Joint Aircraft System Component (JASC)/Air Transport Association (ATA) of America Code 29, Hydraulic Power.

**(e) Unsafe Condition**

This AD was prompted by reports of hydraulic fluid loss from the engine driven pumps (EDPs) on three different airplanes. We are issuing this AD to prevent cracking of the EDP that could cause leakage of hydraulic fluid and possibly lead to loss of normal hydraulic functions, which could lead to a high-speed runway overrun and/or an in-flight fire.

**(f) Compliance**

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

**(g) Inspection**

Within 100 hours time-in service (TIS) after October 16, 2017 (the effective date of this AD), inspect the airplane to determine if any affected serial number EDP, part number (P/N) 66179-01 (Beechcraft/Textron P/N 390-389022-0003), is installed on the airplane following the Accomplishment Instructions in Beechcraft Mandatory Service Bulletin SB 29-4161, dated November 18, 2016. Use table 1 in Parker Service Bulletin 66179-29-486, dated August 4, 2016, to identify the affected serial numbers of EDP, P/N 66179-01 (Beechcraft/Textron P/N 390-389022-0003).

**(h) Replacement**

If any affected serial number EDP was found during the inspection required in paragraph (g) of this AD, within 100 hours TIS after October 16, 2017 (the effective date of this AD), replace any affected serial number EDP, P/N 66179-01 (Beechcraft/Textron P/N 390-389022-0003), with a serviceable serial number EDP, P/N 66179-01 (Beechcraft/Textron P/N 390-389022-0003) that is either not listed in table 1 of Parker Service Bulletin 66179-29-486, dated August 4, 2016, or has been reworked following Parker Service Bulletin 66179-29-486, dated August 4, 2016. Use the Accomplishment Instructions in Beechcraft Mandatory Service Bulletin SB 29-4161, dated November 18, 2016, to do the replacement actions.

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

(1) The Manager, Wichita ACO Branch, 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 Branch, 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.

**(j) Related Information**

For more information about this AD, contact Paul C. DeVore, Aerospace Engineer, Wichita ACO Branch, 1801 Airport Road, Room 100, Wichita, Kansas 67209; telephone: (316) 946-4142; fax: (316) 946-4107, email: paul.devore@faa.gov or Wichita-COS@faa.gov.

**(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.

(i) Beechcraft Mandatory Service Bulletin SB 29-4161, dated November 18, 2016.

(ii) Parker Service Bulletin 66179-29-486, dated August 4, 2016.

(3) For service information identified in this AD, contact Textron Aviation Inc., Textron Aviation Customer Service, P.O. Box 7706, Wichita, Kansas 67277; telephone: (316) 517-5800; email: premier@txtav.com; Internet: www.txtavsupport.com; Internet: www.txtav.com.

(4) You may view this service information at FAA, Policy and Innovation Division, 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 August 29, 2017.

Melvin Johnson,  
Deputy Director, Policy and Innovation Division,  
Aircraft Certification Service.



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**2017-18-12 B/E Aerospace:** Amendment 39-19021; Docket No. FAA-2017-0439; Product Identifier 2017-CE-010-AD.

**(a) Effective Date**

This AD is effective October 16, 2017.

**(b) Affected ADs**

This AD replaces AD 2016-11-20, Amendment 39-18547 (81 FR 37492, June 10, 2016), (“AD 2016-11-20”).

**(c) Applicability**

This AD applies to B/E Aerospace Protective Breathing Equipment (PBE), part numbers (P/N) 119003-11 and 119003-21, that are installed on airplanes.

**(d) Subject**

Joint Aircraft System Component (JASC)/Air Transport Association (ATA) of America Code 35; Oxygen.

**(e) Unsafe Condition**

AD 2016-11-20 was prompted by a report of a PBE unit, P/N 119003-11, catching fire upon activation by a crewmember. This AD was prompted by a report that PBE units, P/N 119003-21, within a certain serial number range are made with candle tube material determined to have a low yield strength and may be volatile upon use or disposal. We are issuing this AD to correct the unsafe condition on these products.

**(f) Compliance**

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

**(g) Inspection Retained From AD 2016-11-20 for Airplanes With PBE, P/N 119003-11, Installed**

Within 3 months after July 15, 2016 (the effective date of AD 2016-11-20), while still in the stowage box, physically inspect the PBE pouch to determine if it has an intact vacuum seal. Do this inspection following paragraph III.A.(1) of the Accomplishment Instructions in B/E Aerospace Service Bulletin (SB) No. 119003-35-011, Rev. 000, dated February 4, 2015.

**(h) Replacement Retained From AD 2016-11-20 for Airplanes With PBE, P/N 119003-11, Installed**

(1) During the inspection required in paragraph (g) of this AD, if a PBE pouch is found that does not have an intact vacuum seal, before further flight, replace the PBE with a PBE unit, P/N 119003-21 that is not within the serial number (S/N) range 004-14768M through 004-21093M or 004-02393M through 004-03033M, following paragraphs III.C., III.D.(4), III.D.(6), and III.D.(7) of the Accomplishment Instructions in B/E Aerospace SB No. 119003-35-009, Rev. 001, dated April 12, 2016, or replace it with another FAA-approved PBE installation.

(2) During the inspection required in paragraph (g) of this AD, if a PBE pouch is found where the vacuum seal is intact, within 18 months after July 15, 2016 (the effective date of AD 2016-11-20), remove PBE, P/N 119003-11, and replace it with a PBE, P/N 119003-21 that is not within the S/N range 004-14768M through 004-21093M or 004-02393M through 004-03033M, following paragraphs III.C., III.D.(4), III.D.(6), and III.D.(7) of the Accomplishment Instructions in B/E Aerospace SB No. 119003-35-009, Rev. 001, dated April 12, 2016, or replace it with another FAA-approved PBE installation.

(3) Once a discrepant PBE has been identified during an inspection or review of records, the unit must be removed before further flight. However, continued operation with fewer than required PBE is permissible if allowed by your MEL.

**(i) New Inspection for Airplanes With PBE, P/N 119003-21, Installed**

Within 6 months after October 16, 2017 (the effective date of this AD), inspect to determine if the S/N of the installed PBE, P/N 119003-21, is within the range of 004-14768M through 004-21093M or 004-02393M through 004-03033M. Do the inspection following paragraph III.A of the Accomplishment Instructions in B/E Aerospace SB No. 119003-35-013, Rev. 002, dated July 19, 2017.

(1) Instead of the inspection, you may do a maintenance records review, to determine the S/N of the installed PBE, P/N 119003-21.

(2) If you choose to do the maintenance records review and you can positively determine that the S/N of the installed PBE, P/N 119003-21, is within the range of 004-14768M through 004-21093M or 004-02393M through 004-03033M, continue to the replacement requirement in paragraph (j) of this AD.

(3) If you choose to do the maintenance records review and you cannot positively determine that the S/N of the installed PBE, P/N 119003-21, is within the range of 004-14768M through 004-21093M or 004-02393M through 004-03033M, then you must either go back and do the inspection specified in paragraph (i) of this AD to determine if the replacement in paragraph (j) of this AD is necessary or do the replacement in paragraph (j) of this AD.

**(j) New Replacement for Airplanes With PBE, P/N 119003-21, Installed**

During the inspection or the maintenance records review required in paragraph (i) of this AD, if it is found that the PBE, P/N 119003-21, is within the S/N range specified in paragraph (i) of this AD, before further flight, remove the PBE and replace it with a PBE, P/N 119003-21, that does not have a S/N 004-14768M through 004-21093M or 004-02393M through 004-03033M. Do this replacement following paragraphs III.C., III.D.(4), III.D.(6), and III.D.(7) of the Accomplishment Instructions in B/E Aerospace SB No. 119003-35-013, Rev. 002, dated July 19, 2017, or replace it with another FAA-approved PBE installation. Once a discrepant PBE has been identified during an inspection or review of records, the unit must be removed before further flight. However, continued operation with fewer than required PBE is permissible if allowed by your MEL.

**(k) Prohibited Installation**

As of October 16, 2017 (the effective date of this AD), do not install a PBE, P/N 119003-21, that has a S/N within the range of 004-14768M through 004-21093M or 004-02393M through 004-03033M.

**(l) Credit for Actions Done Following Previous Service Information**

If you performed the inspection and replacement action required in paragraphs (i) and (j) of this AD before October 16, 2017 (the effective date of this AD) using B/E Aerospace SB No. 119003-35-013, Rev. 000, dated January 9, 2017, or B/E Aerospace SB No. 119003-35-013, Rev. 001, dated February 24, 2017, you have met the requirements of those paragraphs of this AD.

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

(1) The Manager, Wichita ACO Branch, 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)(1) 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 more information about this AD, contact David Enns, Aerospace Engineer, Wichita ACO Branch, FAA, 1801 S. Airport Road, Room 100, Wichita, Kansas 67209; phone: (316) 946-4147; fax: (316) 946-4107; email: david.enns@faa.gov.

**(o) 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.

(3) The following service information was approved for IBR on October 16, 2017.

(i) B/E Aerospace Service Bulletin No. 119003-35-013, Rev. 002, dated July 19, 2017.

(ii) Reserved

(4) The following service information was approved for IBR on July 15, 2016 (81 FR 37492, June 10, 2016).

(i) B/E Aerospace Service Bulletin No. 119003-35-009, Rev. 001, dated April 12, 2016.

(ii) B/E Aerospace Service Bulletin No. 119003-35-011, Rev. 000, dated February 4, 2015.

(5) For service information identified in this AD, contact B/E Aerospace, Inc. service information identified in this AD, contact B/E Aerospace, Inc., 10800 Pflumm Road, Commercial Aircraft Products Group, Lenexa, Kansas 66215; phone: (913) 338-9800; fax: (913) 338-8419; Internet: www.beaerospace.com.

(6) You may view this service information at FAA, Policy and Innovation Division, 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 and locating Docket No. FAA-2017-0439.

(7) 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 30, 2017.  
Melvin Johnson,  
Deputy Director, Policy and Innovation Division,  
Aircraft Certification Service.



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**2017-18-13 Agusta S.p.A.:** Amendment 39-19022; Docket No. FAA-2017-0308; Product Identifier 2016-SW-083-AD.

**(a) Applicability**

This AD applies to Model A109A and A109A II helicopters with a main rotor blade (blade) part number (P/N) 109-0103-01-7, P/N 109-0103-01-9, or P/N 109-0103-01-115 that has 500 or more hours time-in-service (TIS) installed, certificated in any category.

**(b) Unsafe Condition**

This AD defines the unsafe condition as a crack in a blade. This condition could result in failure of a blade and subsequent loss of control of the helicopter.

**(c) Affected ADs**

This AD supersedes AD 2015-22-51, Amendment 39-18386 (81 FR 5037, February 1, 2016).

**(d) Effective Date**

This AD becomes effective September 25, 2017.

**(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**

Before further flight, unless already done within the last 5 hours TIS, and thereafter at intervals not to exceed 5 hours TIS:

(1) Using a 3X or higher power magnifying glass, visually inspect the top and bottom surface of each blade for a crack in the area between the station at the end of the doublers (station 1550) and the station at the beginning of the abrasion strip (station 3100).

(2) If there is a crack, replace the blade before further flight. Replacing the blade with blade P/N 109-0103-01-7, P/N 109-0103-01-9, or P/N 109-0103-01-115 does not constitute terminating action for the repetitive inspections required by this AD.

**(g) Special Flight Permits**

Special flight permits are prohibited.

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

(1) The Manager, Safety Management Section, FAA, may approve AMOCs for this AD. Send your proposal to: Matt Fuller, Senior Aviation Safety Engineer, Safety Management Section, Rotorcraft Standards Branch, 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.

**(i) Additional Information**

(1) Leonardo Helicopters Alert Bollettino Tecnico No. 109-150, Revision B, dated October 21, 2016, which is not incorporated by reference, contains additional information about the subject of this AD. For service information identified in this AD, contact Leonardo S.p.A. Helicopters, Matteo Ragazzi, Head of Airworthiness, Viale G.Agusta 520, 21017 C.Costa di Samarate (Va) Italy; telephone +39-0331-711756; fax +39-0331-229046; or at <http://www.leonardocompany.com/-/bulletins>. 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) AD No. 2016-0213, dated October 26, 2016. You may view the EASA AD on the Internet at <http://www.regulations.gov> by searching for and locating it in Docket No. FAA-2017-0308.

**(j) Subject**

Joint Aircraft Service Component (JASC) Code: 6210, Main Rotor Blade.

Issued in Fort Worth, Texas, on August 30, 2017.

Lance T. Gant,  
Director, Compliance & Airworthiness Division,  
Aircraft Certification Service.