

**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES**

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

BIWEEKLY 2019-19

9/2/2019 - 9/15/2019



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 2019-01

2018-26-02	R 2016-25-19	Airbus Helicopters	AS350B3; EC130B4; EC130T2 helicopters
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Biweekly 2019-02

We published no ADs for the Small AD Biweekly during this period.

Biweekly 2019-03

2019-01-02		Aspen Avionics, Inc.	Evolution Flight Display (EFD) EFD1000 Primary Flight Display, EFD1000 Multi-Function Display (MFD), EFD1000 Emergency Backup Display, or EFD500 MFD units
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Biweekly 2019-04

2019-02-02		Pacific Aerospace Ltd.	FBA-2C1, FBA-2C2, FBA-2C3, and FBA-2C4 airplanes
2019-02-05	R 2013-11-03	Viking Air Limited	CL-215-1A10, CL-215-6B11 airplanes

Biweekly 2019-05

2014-05-06 R2	R 2014-05-06 R1	Airbus Helicopters Deutschland GmbH	EC135 P1, P2, P2+, T1, T2, and T2+; MBB-BK 117 C-2 helicopters
2018-21-14		Zodiac Aerotechnics	MC10 series crew oxygen mask regulators
2018-22-11		Safran Helicopter Engines	ASTAZOU XIV B and H model engines
2019-03-02		Pacific Aerospace Limited	750XL airplanes
2019-03-05		Bell Helicopter Textron Canada Limited	429 helicopters

Biweekly 2019-06

2019-03-12		Airbus Helicopters	EC225 LP helicopters
2019-05-03		Leonardo S.p.A.	AB139 and AW139; AW169 and AW189 helicopters
2019-05-04		MD Helicopters, Inc.	369A, 369D, 369E, 369FF, 369H, 369HE, 369HM, 369HS, 500N, and 600N helicopters
2019-05-05	R 97-26-03	Airbus Helicopters Deutschland GmbH	MBB-BK 117 A-1, MBB-BK 117 A-3, MBB-BK 117 A-4, MBB-BK 117 B-1, MBB-BK 117 B-2, and MBB-BK 117 C-1 helicopters
2019-05-06		Airbus Helicopters Deutschland GmbH	EC135P1, EC135P2, EC135P2+, EC135P3, EC135T1, EC135T2, EC135T2+, and EC135T3 helicopters

Biweekly 2019-07

We published no ADs for the Small AD Biweekly during this period.

Biweekly 2019-08

2019-04-01		HPH s. r.o.	Glasfögel 304C, Glasfögel 304CZ, and Glasfögel 304CZ-17 gliders
2019-05-15		Pilatus Aircraft Ltd	PC-7 airplanes
2019-06-04		Bell Helicopter Textron Canada Limited	429 helicopters
2019-06-05		Airbus Helicopters Deutschland GmbH	MBB-BK 117 A-1, MBB-BK 117 A-3, MBB-BK 117 A-4, MBB-BK 117 B-1, MBB-BK 117 B-2, MBB-BK 117 C-1, and MBB-BK 117 C-2 helicopters
2019-06-10		Vulcanair S.p.A.	AP68TP-300 “SPARTACUS”; AP68TP-600 “VIATOR” airplanes
2019-06-11		Pacific Aerospace Limited	750XL airplanes
2019-07-02		Robinson Helicopter Company	R66 helicopters

Biweekly 2019-09

2019-07-07		Airbus Helicopters Deutschland GmbH	BO-105A, BO-105C, BO-105S, BO105LS A-3, MBB-BK 117A-1, MBB-BK 117A-3, MBB-BK 117A-4, MBB-BK 117B-1, MBB-BK 117B-2, MBB-BK 117C-1, MBB-BK 117C-2, and MBB-BK 117D-2 helicopters
2019-07-08		GA 8 Airvan (Pty) Ltd	GA8 and Model GA8-TC320 airplanes
2019-07-10	A 2010-26-09	Northrop Grumman LITEF GmbH	LCR-100 Attitude and Heading Reference System

SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

AD No.	Information	Manufacturer	Applicability
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2019-08-51	E	Cirrus Design Corporation (Cirrus)	SF50 airplanes
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Biweekly 2019-10

We published no ADs for the Small AD Biweekly during this period.

Biweekly 2019-11

2019-08-10		Bell Helicopter Textron Canada Limited (Bell)	Model 206A, 206B, 206L, 206L-1, 206L-3, 206L-4, and 407 helicopters
2019-08-13		Textron Aviation, Inc.	Models 525, 525A, and 525B airplanes
2019-09-02	R 2018-17-01	Bell Helicopter Textron, Inc. (Bell)	Bell Model 212, 412, 412CF, and 412EP helicopters
2019-09-03		Airbus Helicopters	Model AS332C, AS332C1, AS332L, and AS332L1 helicopters
2019-10-51	E	Airbus Helicopters Deutschland GmbH (Airbus)	Model MBB-BK 117 C-2 helicopters

Biweekly 2019-12

2019-09-04		Leonardo S.p.A.	Model AW109SP helicopters
2019-10-04		BRP-Rotax GmbH & Co KG	BRP-Rotax GmbH & Co KG (Rotax) 912 F2, 912 F3, and 912 F4, 912 S2, 912 S3, and 912 S4, Rotax 914 F2, 914 F3, and 914 F4, and Rotax 912 F2, 912 F3, 912 F4, 912 S2, 912 S3, 912 S4, 914 F2, 914 F3, and 914 F4 engines
2019-10-07		Pilatus Aircraft Ltd	Models PC-6, 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, PC-6/C1-H2, PC-6-H1, PC-6-H2 airplanes
2019-11-04		Airbus Helicopters Deutschland GmbH	Model MBB-BK 117 D-2 helicopters
2019-11-05		Bell Helicopter Textron Canada Limited	429 helicopters

Biweekly 2019-13

2019-08-51		Cirrus Design Corporation	Model SF50 airplanes
2019-10-06		Aviat Aircraft Inc	Models A-1C-180 and A-1C-200 airplanes
2019-11-07		Rolls-Royce plc	(RR) RB211-524G2-19, RB211-524G2-T-19, RB211-524G3-19, RB211-524G3-T-19, RB211-524H2-19, RB211-524H2-T-19, RB211-524H-36 and RB211-524H-T-36 engines
2019-11-08		International Aero Engines	PW1133G-JM, PW1133GA-JM, PW1130G-JM, PW1129G-JM, PW1127G-JM, PW1127GA-JM, PW1127G1-JM, PW1124G-JM, PW1124G1-JM, and PW1122G-JM model turbofan engines
2019-12-01		CFM International S.A	LEAP-1B21, -1B23, -1B25, -1B27, -1B28, -1B28B1, -1B28B2, -1B28B3, -1B28B2C, -1B28BBJ1, and -1B28BBJ2 model turbofan
2019-12-05		CFM International S.A	CFM56-5B1, -5B2, -5B4, -5B5, -5B6, -5B7, -5B1/P, -5B2/P, -5B3/P, -5B4/P, -5B5/P, -5B6/P, -5B7/P, -5B8/P, -5B9/P, -5B3/P1, -5B4/P1, -5B1/2P, -5B2/2P, -5B3/2P, -5B4/2P, -5B6/2P, -5B9/2P, -5B3/2P1, -5B4/2P1, -7B20, -7B22, -7B24, -7B26, -7B27, -7B22/B1, -7B24/B1, -7B26/B1, -7B26/B2, -7B27/B1, -7B27/B3, -7B20/2, -7B22/2, -7B24/2, -7B26/2, -7B27/2, -7B27A model turbofan engines

Biweekly 2019-14

2019-12-06		Leonardo S.p.A.	Model AW139 helicopters
2019-12-12		Piper Aircraft, Inc.	Model PA-46-600TP (M600) airplanes
2019-12-14		Airbus Helicopters Deutschland GmbH	Model MBB-BK 117 C-2 helicopters
2019-12-15		Leonardo S.p.A	Model AB139 and AW139 helicopters
2019-12-18		Robinson Helicopter Company	Model R44 II helicopters

SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

AD No.	Information	Manufacturer	Applicability
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Biweekly 2019-15

2019-12-09		Rockwell Collins, Inc.	Flight Display System
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Biweekly 2019-16

2019-13-03		Trig Avionics Limited	TT31 Mode S transponders, AXP340 Mode S transponders and KT74 Mode S transponders
2019-13-05		Sikorsky Aircraft Corporation	Model S-92A helicopters
2019-14-01		Rolls-Royce Deutschland Ltd & Co KG	TAY 650-15 and TAY 651-54 turbofan engines
2019-14-05		B/E Aerospace Fischer GmbH	Common Seats 170/260 H160
2019-15-05		Rolls-Royce Deutschland Ltd & Co KG	Trent 1000-AE3, Trent 1000-CE3, Trent 1000-D3, Trent 1000-G3, Trent 1000-H3, Trent 1000-J3, Trent 1000-K3, Trent 1000-L3, Trent 1000-M3, Trent 1000-N3, Trent 1000-P3, Trent 1000-Q3 and Trent 1000-R3 engines

Biweekly 2019-17

2019-14-11		Diamond Aircraft Industries GmbH	Model DA 42 NG and Model DA 42 M-NG airplanes
2019-15-06	R 2018-22-07	Engine Alliance	GP7270, GP7272, and GP7277 model turbofan engines
2019-16-01		International Aero Engines AG	AG (IAE) V2525-D5 and V2528-D5 model turbofan engines
2019-16-02		GE Honda Aero Engines	HF120 model turbofan engines
2019-16-04	R 2019-03-04	Engine Alliance	GP7270 and GP7277 model turbofan engines

Biweekly 2019-18

2019-16-14	R 2018-25-01	Rolls-Royce Deutschland Ltd & Co KG	Trent 1000-A, Trent 1000-AE, Trent 1000-C, Trent 1000-CE, Trent 1000-D, Trent 1000-E, Trent 1000-G, and Trent 1000-H turbofan
2019-16-15		Pratt & Whitney	PW1519G, PW1521G, PW1521GA, PW1524G, PW1525G, PW1521G-3, PW1524G-3, PW1525G-3, PW1919G, PW1921G, PW1922G, PW1923G, and PW1923G-A model turbofan

Biweekly 2019-19

2019-10-51		Airbus Helicopters Deutschland GmbH	MBB-BK 117 C-2 helicopters
2019-16-16	R 2018-18-02	Airbus Helicopters	AS350B, AS350B1, AS350B2, AS350B3, and AS350BA helicopters
2019-17-02		Airbus Helicopters Deutschland GmbH	EC135P1, EC135P2, EC135P2+, EC135P3, EC135T1, EC135T2, EC135T2+, and EC135T3 helicopters
2019-18-01		International Aero Engines AG	AG V2522-A5, V2524-A5, V2527-A5, V2527E-A5, V2527M-A5, V2530-A5, and V2533-A5 model turbofan
2019-18-02		Leonardo S.p.A	AW169 helicopters



2019-10-51 Airbus Helicopters Deutschland GmbH: Amendment 39-19719; Docket No. FAA-2019-0643; Product Identifier 2019-SW-013-AD.

(a) Effective Date

This AD is effective September 19, 2019 to all persons except those persons to whom it was made immediately effective by Emergency AD 2019-10-51, issued on May 16, 2019, which contained the requirements of this amendment.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Airbus Helicopters Deutschland GmbH Model MBB-BK 117 C-2 helicopters, certificated in any category.

(d) Subject

Joint Aircraft System Component (JASC) of America Code: 5311, Fuselage main frame.

(e) Unsafe Condition

This AD was prompted by reports of fatigue cracks in a fuselage frame. The FAA is issuing this AD to correct the unsafe condition on these helicopters.

(f) Compliance

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

(g) Required Actions

(1) For helicopters with serial numbers 9069, 9185, 9255, 9377, 9389, 9403, 9411, 9457, 9529, or 9637, before further flight:

(i) Remove the recessed medical wall rack in accordance with Part 1, paragraphs 4.1. through 4.3., of Air Methods Alert Service Bulletin ASB19-03, Revision IR, dated May 6, 2019 (ASB).

(ii) Inspect the fuselage frame box beam structure for cracks and loose rivets at station 4135 in accordance with Part 2, paragraphs 5.1 through 5.4., of the ASB, except you are not required to contact Air Methods for disposition if cracks are found. Instead, if there is a crack, repair using a method approved by the Manager, Denver ACO Branch, Compliance & Airworthiness Division, FAA, 26805 East 68th Ave., Room 214, Denver, CO 80249; telephone (303) 342-1081; email: 9 Denver-Aircraft-Cert@faa.gov. Replace any loose rivets.

(iii) If there are no cracks, reinstall the inboard web of the box beam and the cabin interior panels in accordance with Part 2, paragraphs 5.5. and 5.6. of the ASB. Do not reinstall the recessed medical wall rack.

(2) For helicopters with serial numbers 9069, 9185, 9255, 9377, 9389, 9403, 9411, 9457, 9529, or 9637, within 10 hours time-in-service (TIS) after the required inspections, provide the inspection results, photographs of inspected areas, total helicopter hours TIS since installation of Supplemental Type Certificate (STC) SR00592DE, and helicopter serial number to the attention of the person identified in paragraph (j) of this AD. This information is required even if there are no cracks.

(3) For all helicopters, after the effective date of this AD, do not install on any helicopter recessed medical wall assembly part number (P/N) 778-1400-001, wall mount fittings P/N 900-9959-001, aft medical wall doubler P/N 900-9989, and medical wall long doubler P/N 900-6021 at stations 4135 and 4963.19 as part of STC SR00592DE.

(h) 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 currently 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 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing and reviewing the collection of information. All responses to this collection of information are mandatory. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Information Collection Clearance Officer, Federal Aviation Administration, 10101 Hillwood Parkway, Fort Worth, TX 76177-1524.

(i) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Denver 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 certification office, send it to the attention of the person identified in paragraph (j) of this AD and notify the Denver ACO Branch of the request by email at: Denver-Aircraft-Cert@faa.gov>9-Denver-Aircraft-Cert@faa.gov.

(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 Cynthia Bradley, Aviation Safety Engineer, Denver ACO Branch, Compliance & Airworthiness Division, FAA, 26805 East 68th Ave., Room 214, Denver, CO 80249; telephone (303) 342-1082; email cynthia.bradley@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) Air Methods Alert Service Bulletin ASB19-03, Revision IR, dated May 6, 2019.

(ii) [Reserved]

(3) For Air Methods service information identified in this AD, contact Air Methods Corporation, 5500 South Quebec Street, Suite 300, Greenwood Village, CO 80111; telephone 303-792-7557 or at <http://www.unitedrotorcraft.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 August 19, 2019.

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



2019-16-16 Airbus Helicopters: Amendment 39-19720; Docket No. FAA-2019-0641; Product Identifier 2019-SW-020-AD.

(a) Effective Date

This AD is effective September 26, 2019.

(b) Affected ADs

This AD replaces AD 2018-18-12, Amendment 39-19391 (83 FR 45545, September 10, 2018).

(c) Applicability

This AD applies to Airbus Helicopters Model AS350B, AS350B1, AS350B2, AS350B3, and AS350BA helicopters, certificated in any category, with a Pall Aerospace Inlet Barrier Filter (IBF) element part number (P/N) CE01301F2, CE01301F2B, CE01303F2, or CE01303F2B installed.

(d) Subject

Joint Aircraft System Component (JASC) Code: 7160, Engine Air Intake System.

(e) Unsafe Condition

This AD defines the unsafe condition as ingestion of an excessive amount of water by the engine. This condition could result in engine flame out and failure, leading to loss of helicopter control.

(f) Compliance

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

(g) Required Actions

(1) Within 30 days, revise the Rotorcraft Flight Manual Supplement for your helicopter by inserting Appendix A of this AD into the limitations section.

(2) As an optional terminating action to the requirement in paragraph (g)(1) of this AD, remove the affected Pall Aerospace IBF element from service.

(3) After the effective date of this AD, do not install IBF element P/N CE01301F2, CE01301F2B, CE01303F2, or CE01303F2B on any helicopter.

(h) Special Flight Permit

Special flight permits are prohibited.

(i) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Atlanta 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 certification office, 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 Gary Wechsler, Aerospace Engineer, Atlanta ACO Branch, Compliance and Airworthiness Division, FAA, 1701 Columbia Ave., College Park, GA 30337, telephone 404-474-5567, email Gary.Wechsler@faa.gov.

Appendix A to AD 2019-16-16

Rotorcraft Flight Manual Supplement

(1) Helicopter operation is prohibited if the filter is wet or when visible moisture (rain/snow/ice/water) is present in the inlet or on the filter (inspect filter by hand for wetness). If the filter is wet, remove the filter from service prior to operation.

(2) Helicopter flight is prohibited in visible moisture.

(3) If the helicopter inadvertently enters precipitation (rain/snow/ice/water), open bypass doors (if equipped), avoid sudden and rapid power transients, and land as soon as practical.

(4) Inlet covers must be installed when the rotorcraft is not in flight to prevent moisture from collecting in the inlet or on the filter.

(5) Inspect inlet and filter for visible moisture accumulation prior to flight. If moisture is present, helicopter operation is prohibited.

Issued in Fort Worth, Texas, on August 16, 2019.

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



2019-17-02 Airbus Helicopters Deutschland GmbH: Amendment 39-19722; Docket No. FAA-2019-0656; Product Identifier 2019-SW-039-AD.

(a) Applicability

This AD applies to Airbus Helicopters Deutschland GmbH (Airbus Helicopters) Model EC135P1, EC135P2, EC135P2+, EC135P3, EC135T1, EC135T2, EC135T2+, and EC135T3 helicopters, certificated in any category, with any of the following installed that have, as of April 23, 2019, accumulated 6 or more years since manufacturing date or last overhaul, whichever occurs later:

- (1) Longitudinal single-axis actuator part number (P/N) L673M20A1008 or P/N L673M30A2111;
- (2) Collective single-axis actuator P/N L673M20A1012, P/N L673M30A1211, or P/N E673M30A1201; or
- (3) Lateral single-axis actuator P/N L673M20A1011 or P/N L673M30A2311.

(b) Unsafe Condition

This AD defines the unsafe condition as corrosion in certain main rotor actuator (MRA) components. This condition could result in failure of the component, failure of the MRA, and loss of control of the helicopter.

(c) Effective Date

This AD becomes effective September 25, 2019.

(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 3 days, visually inspect all external surfaces of each single-axis actuator for corrosion. Refer to Figure 1 of Airbus Helicopters Emergency Alert Service Bulletin No. EC135-67A-039, Revision 1, dated April 23, 2019 (EASB EC135-67A-039), for example photos of single-axis actuators with corrosion. Refer to Figure 2 of EASB EC135-67A-039 for example photos of single-axis actuators without corrosion.

- (i) If there is any corrosion, remove the part from service as follows:
 - (A) For a part that has accumulated 14 or more years, within 7 days.
 - (B) For a part that has accumulated 12 or more years, but less than 14 years, within 14 days.
 - (C) For a part that has accumulated 10 or more years, but less than 12 years, within 30 days.
 - (D) For a part that has accumulated 8 or more years, but less than 10 years, within 60 days.
 - (E) For a part that has accumulated 6 or more years, but less than 8 years, within 120 days.
- (ii) If there is not any corrosion, remove the part from service as follows:

- (A) For a part that has accumulated 14 or more years, within 14 days.
- (B) For a part that has accumulated 12 or more years, but less than 14 years, within 30 days.
- (C) For a part that has accumulated 10 or more years, but less than 12 years, within 90 days.

(2) Within 7 days after the inspection required by paragraph (e)(1) of this AD, report the information requested in the Reply Form Sheet for EASB “Check of single-axis actuators” of EASB EC135-67A-039, along with photos of any corrosion, by email to support.vehicle.ahd@airbus.com or by using the QR code to report to Airbus Helicopters. The QR code is available on page 12 of EASB EC135-67A-039.

(f) Special Flight Permits

Special flight permits are prohibited.

(g) 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 currently 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 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing and reviewing the collection of information. All responses to this collection of information are mandatory. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Information Collection Clearance Officer, Federal Aviation Administration, 10101 Hillwood Parkway, Fort Worth, TX 76177-1524.

(h) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Safety Management Section, Rotorcraft Standards Branch, FAA, may approve AMOCs for this AD. Send your proposal to: David Hatfield, 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, the FAA suggests 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) Airbus Helicopters Service Bulletin No. EC135-67-040, Revision 0, dated April 25, 2019, which is not incorporated by reference, contains additional information about the subject of this AD. For service information identified in this AD, contact Airbus Helicopters, 2701 N Forum Drive, Grand Prairie, TX 75052; telephone (972) 641-0000 or (800) 232-0323; fax (972) 641-3775; or at http://www.helicopters.airbus.com/website/en/ref/Technical-Support_73.html. 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. 2019-0087-E, dated April 24, 2019. You may view the EASA AD on the internet at <http://www.regulations.gov> by searching for and locating it in Docket No. FAA-2019-0656.

(j) Subject

Joint Aircraft Service Component (JASC) Code: 67000, Rotorcraft Flight Control.

(k) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless the AD specifies otherwise.

(i) Airbus Helicopters Emergency Alert Service Bulletin No. EC135-67A-039, Revision 1, dated April 23, 2019.

(ii) [Reserved]

(3) For Airbus Helicopters service information identified in this AD, contact Airbus Helicopters, 2701 N Forum Drive, Grand Prairie, TX 75052; telephone (972) 641-0000 or (800) 232-0323; fax (972) 641-3775; or at http://www.helicopters.airbus.com/website/en/ref/Technical-Support_73.html.

(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 August 21, 2019.

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



2019-18-01 International Aero Engines AG: Amendment 39-19728; Docket No. FAA-2019-0268; Product Identifier 2019-NE-08-AD.

(a) Effective Date

This AD is effective October 15, 2019.

(b) Affected ADs

None.

(c) Applicability

This AD applies to International Aero Engines AG V2522-A5, V2524-A5, V2527-A5, V2527E-A5, V2527M-A5, V2530-A5, and V2533-A5 model turbofan engines with the following engine serial numbers: V10631, V12329, V12494, V13107, V18679, V18681, V18684, and V18690.

(d) Subject

Joint Aircraft System Component (JASC) Code 7250, Turbine Section.

(e) Unsafe Condition

This AD was prompted by an inspection that determined that material anomalies exist in certain low-pressure turbine (LPT) stage 6 disks. The FAA is issuing this AD to prevent failure of the LPT stage 6 disk. The unsafe condition, if not addressed, could result in uncontained release of the LPT stage 6 disk, damage to the engine, and damage to the airplane.

(f) Compliance

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

(g) Required Actions

At the next piece part exposure after the effective date of this AD, but not to exceed 5,000 cycles from new, remove from service LPT stage 6 disks, part number 3A2996, and with any of the following serial numbers: MAP04258; MAP04259; MAP04260, MAP04430, MAP04431, MAP08718, MAP08719; and MAP08721. Replace the affected LPT stage 6 disk with a part eligible for installation.

(h) Definition

For the purpose of this AD, piece-part exposure is when the LPT stage 6 disk is removed from the engine and completely disassembled.

(i) Alternative Methods of Compliance (AMOCs)

(1) The Manager, ECO, 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 certification office, send it to the attention of the person identified in paragraph (j) of this AD. You may email your request to: ANE-AD-AMOC@faa.gov.

(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 Scott Hopper, Aerospace Engineer, ECO Branch, FAA, 1200 District Avenue, Burlington, MA, 01803; phone: 781-238-7154; fax: 781-238-7199; email: scott.hopper@faa.gov.

(k) Material Incorporated by Reference

None.

Issued in Burlington, Massachusetts, on September 4, 2019.

Karen M. Grant,
Acting Manager, Engine and Propeller Standards Branch, Aircraft Certification Service.
[FR Doc. 2019-19412 Filed 9-9-19; 8:45 am]



2019-18-02 Leonardo S.p.A.: Amendment 39-19729; Docket No. FAA-2018-0057; Product Identifier; 2017-SW-119-AD.

(a) Applicability

This AD applies to Leonardo S.p.A. (Leonardo) Model AW169 helicopters, serial numbers 69007, 69009, 69011 through 69019, 69021 through 69024, 69027, 69032, 69033, 69041, 69045, and 69051, certificated in any category, where the emergency exit windows have never been removed and reinstalled.

(b) Unsafe Condition

This AD defines the unsafe condition as failure of an emergency window to jettison, which could prevent occupants from evacuating the helicopter during an emergency.

(c) Effective Date

This AD becomes effective October 16, 2019.

(d) Compliance

You are responsible for performing each action required by this AD within the specified compliance time unless it has already been accomplished prior to that time.

(e) Required Actions

Within 70 hours time-in-service:

(1) Replace the seals and filler wedges on the left hand (LH) and right hand (RH) cockpit door upper windows.

Note 1 to paragraphs (e)(1) and (2) of this AD: Leonardo refers to filler wedges as “non-metallic channels.”

(2) Replace the seals and filler wedges on the forward LH and RH passenger door windows. For helicopters without passenger sliding window kit part number (P/N) 6F5630F00411, also replace the seals and filler wedges of the aft LH and RH passenger door windows.

(3) For helicopters with a strap P/N A487A003A, replace each strap with emergency exit window handle P/N 8G9500L00151 on the internal side of the window and P/N 8G9500L00251 on the external side of the window.

(4) Remove any decal P/N A180A005E21 from the internal side of the passenger and cockpit windows and replace with decal P/N A180A022E21, using as a reference Figure 1 and Figure 2 of Leonardo Service Bulletin No. 169-032, Revision A, dated September 8, 2017 (SB No. 169-032).

(5) Remove any decal P/N A487A003A from the external side of the passenger and cockpit windows and replace with decals P/N AW003DE005E33B, using as a reference Figure 3 of SB No. 169-032.

(f) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Safety Management Section, Rotorcraft Standards Branch, 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, the FAA suggests that you notify your principal inspector, or lacking a principal inspector, the manager of the local flight standards district office or certificate holding district office before operating any aircraft complying with this AD through an AMOC.

(g) Additional Information

The subject of this AD is addressed in European Aviation Safety Agency (EASA) AD No. 2017-0155, dated August 23, 2017. You may view the EASA AD on the internet at <http://www.regulations.gov> in Docket No. FAA-2018-0057.

(h) Subject

Joint Aircraft Service Component (JASC) Code: 5220, Emergency Exits.

(i) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless the AD specifies otherwise.

(i) Leonardo Service Bulletin No. 169-032, Revision A, dated September 8, 2017.

(ii) [Reserved]

(3) 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>.

(4) You may review the referenced service information at the 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, email fedreg.legal@nara.gov, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Fort Worth, Texas, on September 4, 2019.

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