

**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES**

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

BIWEEKLY 2018-19

9/3/2018 - 9/16/2018



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, A – Affects

Biweekly 2018-01

No ADs were published in this biweekly period.

Biweekly 2018-02

2018-01-12	S 2015-22-53	Airbus Helicopters	AS350B3 helicopters
2018-02-01	S 2015-08-51	Enstrom	F-28A, 280, F-28C, F-28C-2, F-28C-2R, 280C, F-28F, F-28F-R, 280F, and 280FX helicopters
2018-02-04		Aerospace Welding Minneapolis, Inc.	Mufflers
2018-02-07		Various Restricted Category Helicopters	UH-1H, UH-1B, TH-1F, UH-1F, and UH-1P helicopters
2018-02-08		Bell Helicopter Textron	204B, 205A, and 205A-1 helicopters

Biweekly 2018-03

2018-02-02		Airbus Helicopters	AS350B, AS350BA, AS350B1, AS350B2, AS350B3, AS350D, AS355E, AS355F, AS355F1, AS355F2, AS355N, AS355NP, EC130B4, and EC130T2 helicopters
2018-02-05		Piper Aircraft, Inc.	PA-28-140, PA-28-150, PA-28-151, PA-28-160, PA-28-161, PA-28-180, PA-28-181, PA-28-236, PA-28-201T, PA-28R-180, PA-28R-200, PA-28R-201, PA-28R-201T, PA-28RT-201, PA-28RT-201T airplanes
2018-02-13	S 2017-07-02	Sikorsky Aircraft Corporation	269D and Model 269D Configuration A helicopters
2018-02-14		Honeywell International Inc.	TPE331-1, -2, -2UA, -3U, -3UW, -5, -5A, -5AB, -5B, -6, -6A, -8, -10, -10AV, -10GP, -10GT, -10N, -10P, -10R, -10T, -10U, -10UA, -10UF, -10UG, -10UGR, -10UR, and -11U, -12JR, -12UA, -12UAR, -12UHR, -25AA, -25AB, -25DA, -25DB, -25FA, -43A, -43BL, -47A, -55B, and -61A model turboprop engines, and TSE331-3U model turboshaft engines
2018-02-15	S 2007-08-06	British Aerospace Regional Aircraft	HP.137 Jetstream Mk.1, Jetstream Series 200 and 3101, and Jetstream Model 3201 airplanes
2018-03-01		Agusta S.p.A.	AB139 and AW139 helicopters

Biweekly 2018-04

2018-03-03		Textron Aviation Inc.	401, 401A, 401B, 402, 402A, 402B, 402C, 411, 411A, 414, 414A, 421, 421A, 421B, 421C, 425 airplanes
2018-03-05		Various Aircraft	See AD
2018-03-13		General Electric Company	CT7-5A2, CT7-5A3, CT7-7A, CT7-7A1, CT7-9B, CT7-9B1, CT7-9B2, CT7-9C and CT7-9C3 model turboprop engines
2018-03-14		Pacific Aerospace Limited	750XL airplanes
2018-03-15		Pacific Aerospace Limited	750XL airplanes
2018-03-16	R 2017-10-11	Stemme AG	S10-VT gliders
2018-03-17		Aeroclubul Romaniei	IS-28B2 gliders

Biweekly 2018-05

2018-01-12 R1	R 2018-01-12	Airbus Helicopters	AS350B3 helicopters
2018-04-11		Agusta S.p.A.	AB139 and Model AW139 helicopters
2018-05-01		Airbus Helicopters	AS332C, AS332C1, AS332L, AS332L1, and AS332L2; EC225LP helicopters
2018-05-02		AgustaWestland S.p.A.	AW189 helicopters

Biweekly 2018-06

2018-03-18		Agusta S.p.A.	AW189 helicopters
2018-04-09		Pacific Aerospace Limited	750XL airplanes
2018-04-10		Pilatus Aircraft Limited	PC-7 airplanes
2018-05-03		Safran Helicopter Engine	Arrius 2F turboshaft engines
2018-05-08	R 2013-19-12	GA 8 Airvan (Pty) Ltd	GA8, GA8-TC320, GA8-TC 320-03-025 airplanes
2018-05-09		Airbus Helicopters	AS332C, AS332C1, AS332L, and AS332L1 helicopters
2018-05-10		Agusta S.p.A.	AB412 and AB412 EP helicopters

Biweekly 2018-07

2018-06-09		Pacific Aerospace Limited	750XL airplanes
2018-06-10		Honda Aircraft Company LLC	HA-420 airplanes

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2018-06-11		Textron Aviation Inc.	A36TC and B36TC; S35, V35, V35A, and V35B airplanes
2018-06-51		Agusta S.p.A.	A109A, A109A II, A109C, A109E, A109K2, A109S, A119, AW109SP, and AW119 MKII helicopters
2018-07-01		Airbus Helicopters Deutschland GmbH	EC135 P1, P2, P2+, P3, T1, T2, T2+, and T3 helicopters
2018-07-02		Agusta S.p.A.	A109E, A109S, AW109SP, A119, and AW119 MKII helicopters

Biweekly 2018-08

2018-07-03	R 2018-02-05	Piper Aircraft, Inc	PA-28 airplanes
2018-07-08		Agusta S.p.A.	A109E, A109K2, A109S, AW109SP, A119, and AW119 MKII helicopters
2018-07-13		Textron Aviation Inc.	510, 680, 680A airplanes
2018-07-14		Pacific Aerospace Limited	750XL
2018-07-15		XtremeAir GmbH	XA42 airplanes
2018-07-16		Austro Engine GmbH	E4 and E4P diesel piston engines
2018-07-17		Safran Helicopter Engines	Arrius 2B1, 2B1A, 2B2, and 2K1 turboshaft engines

Biweekly 2018-09

2018-07-22	R 2017-08-09	DG Flugzeugbau GmbH	DG-500MB and DG-1000M gliders
2018-08-01		Airbus Helicopters	EC225LP helicopters

Biweekly 2018-10

2018-03-03 R1	R 2018-03-03	Textron Aviation Inc.	400-series airplanes
2018-04-02		Viking Air Limited	DHC-6-1, DHC-6-100, DHC-6-200, DHC-6-300, and DHC-6-400 airplanes (Note: Should have been included in Biweekly 2018-05)
2018-10-01		Safran Helicopter Engines, S.A.	Arriel 2E turboshaft engines

Biweekly 2018-11

2018-06-51		Agusta S.p.A.	A109A, A109A II, A109C, A109E, A109K2, A109S, A119, AW109SP, and AW119 MKII helicopters
2018-10-03		Pacific Aerospace Limited	750XL airplanes
2018-10-04	R 2018-03-15	Pacific Aerospace Limited	750XL airplanes
2018-10-06		Bell Helicopter Textron Canada Limited	407 helicopters
2018-10-07		Sikorsky Aircraft Corporation	S-76C helicopters
2018-10-09	S 2017-11-03	DG Flugzeugbau GmbH	DG-500MB and DG-1000M gliders
2018-10-10	R 2017-01-12	Diamond Aircraft Industries GmbH	DA 42 airplanes
	R 2017-11-08		
	R 2017-15-09		
2018-11-01		Airbus Helicopters	AS332L2 and Model EC225LP helicopters
2018-11-05	R 2018-06-10	Honda Aircraft Company LLC	HA-420 airplanes

Biweekly 2018-12

2018-11-03		Airbus Helicopters	SA-365C, SA-365C1, and SA-365C2 helicopters
2018-11-04		Aircraft Industries a.s.	L 410 UVP-E20 and L 410 UVP-E20 CARGO airplanes

Biweekly 2018-13

2018-13-05		Honeywell International Inc.	TPE331-1, -2, -2UA, -3U, -3UW, -5, -5B, -6, -6A, -8, -10, -10AV, -10N, -10P, -10R, -10T, -10U, -10UA, -10UF, -10UR model turboprop and TSE331-3U turboshaft engines
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Biweekly 2018-14

2018-12-03	R 2013-11-09	Safran Helicopter Engines, S.A.	Arrius 2B1 and 2F turboshaft engines
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Biweekly 2018-15

2018-13-01		Roll-Royce Corporation	250-C10D, 250-C18, 250-C18A, 250-C18B, 250-C18C, 250-C19, 250-C20, 250-C20B, 250-C20C, 250-C20F, 250-C20J, 250-C20R, 250-C20R/1, 250-C20R/2, 250-C20R/4, 250-C20S, 250-C20W, 250-C28, 250-C28B, 250-C28C, 250-C30, 250-C30G, 250-C30G/2, 250-C30M, 250-C30P, 250-C30S, and 250-C30U turboshaft engines
2018-14-01		Piper Aircraft, Inc.	PA-46-600TP (M600) airplanes

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2018-14-06	R 2017-07-10	American Champion Aircraft Corp.	8KCAB airplane
2018-14-07		Bell Helicopter Textron Canada Limited	429 helicopters
2018-15-02		Airbus Helicopters	AS350B, AS350B1, AS350B2, AS350B3, AS350BA, AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP helicopters
2018-15-51	E	Bell Helicopter Textron Canada Limited	429 helicopters
Biweekly 2018-16			
2018-15-07		Costruzioni Aeronautiche Tecnam srl	P2006T airplanes
2018-15-08		Pacific Aerospace Limited	750XL airplanes
2018-16-08		Leonardo S.p.A.	A109E, A109S, and AW109SP helicopters
2018-16-51	2018-15-51	Bell Helicopter Textron Canada Limited	429 helicopters
Biweekly 2018-17			
2018-12-01	R 2012-03-11	Safran Helicopter Engines	Arriel 2B and 2B1 turboshaft engines
2018-15-06		Honda Aircraft Company LLC	HA-420 airplanes
2018-16-01		B/E Aerospace Fischer GmbH	Attendant seats NG and pilot seats 120/335
2018-16-11		Various	234 and Model CH-47D Helicopters
Biweekly 2018-18			
2018-16-10		GE Aviation Czech s.r.o.	H80-200 turboprop engines
2018-16-14		Bell Helicopter Textron Inc.	212, 412, and 412EP helicopters
2018-17-01	R 2017-15-02	Bell Helicopter Textron, Inc.	212, 412, 412CF, and 412EP helicopters
2018-17-08	R 2016-03-03	Rolls-Royce plc	Viper Mk. 521, Viper Mk. 522, and Viper Mk. 601-22 turbojet engines
Biweekly 2018-19			
2018-17-11		Linstrandt Propane Cylinders	T30 part number (P/N) CY050001 propane cylinders; installed on hot air balloons
2018-18-11		Airbus Helicopters	AS-365N2 and AS 365 N3 helicopters
2018-18-12		Airbus Helicopters	AS350B, AS350B1, AS350B2, AS350B3, and AS350BA helicopters



2018-17-11 Linstrandt Propane Cylinders: Amendment 39-19365; Docket No. FAA-2018-0754; Product Identifier 2018-CE-028-AD.

(a) Effective Date

This AD becomes effective September 24, 2018.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Linstrandt T30 part number (P/N) CY050001 propane cylinders, serial numbers (S/N) 0227/0158, 0316/-, 0321/-, 0322/0150, 0446/0152, 0534/0145, 0539/-, 0543/0154, 0626/0153, and 0638/0151; installed on hot air balloons.

(d) Subject

Air Transport Association of America (ATA) Code 28: Fuel.

(e) Reason

This AD was prompted by mandatory continuing airworthiness information (MCAI) issued by the aviation authority of another country to identify and correct an unsafe condition on an aviation product. The MCAI describes the unsafe condition as welding defects on the propane cylinders that could result in leaking of liquid propane. We are issuing this AD to prevent leaking of liquid propane that could lead to fire or explosion.

(f) Actions and Compliance

(1) If any hot air balloon has an affected P/N and serial number propane cylinder, as listed in paragraph (c) of this AD, within 30 days after September 24, 2018 (the effective date of this AD), remove from service Linstrandt T30 propane cylinder P/N CY050001 and replace with a propane cylinder that is not listed in paragraph (c) of this AD.

(2) After September 24, 2018 (the effective date of this AD), do not install on any hot air balloon a propane cylinder listed in paragraph (c) of this AD.

(g) Other FAA AD Provisions

The following provision also applies 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, FAA, Small

Airplane Standards Branch, 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) Reserved.

(h) Related Information

Refer to MCAI EASA AD No. 2018-0107, dated May 15, 2018, corrected on May 22, 2018, for related information. You may examine the MCAI on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2018-0754.

(i) Material Incorporated by Reference

None.

Issued in Kansas City, Missouri, on August 10, 2018.
Melvin J. Johnson,
Deputy Director, Policy & Innovation Division,
Aircraft Certification Service.



2018-18-11 Airbus Helicopters: Amendment 39-19390; Docket No. FAA-2018-0418; Product Identifier 2017-SW-016-AD.

(a) Applicability

This AD applies to Airbus Helicopters Model AS-365N2 and AS 365 N3 helicopters, certificated in any category, with a lower strobe light installed.

(b) Unsafe Condition

This AD defines the unsafe condition as interference between the lower strobe light electrical harness wiring and the helicopter structure. This condition could result in chafing of an electrical harness adjacent to the inboard fuel tank vapor space, a fuel tank fire, and subsequent loss of control of the helicopter.

(c) Effective Date

This AD becomes effective October 18, 2018.

(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 50 hours time-in-service:

(1) Install cable mount part number (P/N) ASMS-A to the helicopter structure as depicted in Figure 1, Detail A and Detail C, of Airbus Helicopters Alert Service Bulletin No. AS365-05.00.73, Revision 1, dated December 12, 2016 (ASB AS365-05.00.73).

(2) Inspect the lower strobe light harness and the harness between the cut-off connector and Frame 2000 for tears in the spiral tape and for chafing of the harness wires. If there is a tear in the spiral tape, before further flight, replace the spiral tape. If there is any chafing, before further flight, replace the chafed harness.

(3) Route the lower strobe light harness and the harness between the cut-off connector and Frame 2000 and secure as depicted in Figure 1, Detail A and Section B-B, of ASB AS365-05.00.73.

Note 1 to paragraph (e) of this AD: Airbus Helicopters identifies the actions in ASB AS365-05.00.73 as Modification 365P084778.00.

(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: George Schwab, 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.

(g) Additional Information

The subject of this AD is addressed in European Aviation Safety Agency (EASA) AD No. 2016-0258, dated December 30, 2016. You may view the EASA AD on the internet at <http://www.regulations.gov> in Docket No. FAA-2018-0418.

(h) Subject

Joint Aircraft Service Component (JASC) Code: 3340, Lights.

(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) Airbus Helicopters Alert Service Bulletin No. AS365-05.00.73, Revision 1, dated December 12, 2016.

(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 28, 2018.

Scott A. Horn,

Deputy Director for Regulatory Operations, Compliance & Airworthiness Division,
Aircraft Certification Service.



FAA
Aviation Safety

AIRWORTHINESS DIRECTIVE

www.faa.gov/aircraft/safety/alerts/
www.gpoaccess.gov/fr/advanced.html

2018-18-12 Airbus Helicopters: Amendment 39-19391; Docket No. FAA-2018-0613; Product Identifier 2018-SW-041-AD.

(a) Applicability

This AD applies to Model AS350B, AS350B1, AS350B2, AS350B3, and AS350BA helicopters, certificated in any category, with a Pall Aerospace Inlet Barrier Filter element part number CE01301F2 or CE01301F2B installed.

(b) 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.

(c) Effective Date

This AD becomes effective September 25, 2018.

(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 30 days, revise the rotorcraft flight manual supplement (RFMS) by inserting Appendix A of this AD into the limitations section of the RFMS.

(f) Special Flight Permits

Special flight permits are prohibited.

(g) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Atlanta ACO Branch, FAA, may approve AMOCs for this AD. Send your proposal to: Todd Jackson, Aerospace Engineer, Atlanta ACO Branch, Compliance and Airworthiness Division, FAA, 1701 Columbia Ave., College Park, GA 30337, telephone 404-474-5567, email Todd.Jackson@faa.gov.

(2) For operations conducted under a 14 CFR part 119 operating certificate or under 14 CFR part 91, subpart K, we suggest that you notify your principal inspector, or lacking a principal inspector, the manager of the local flight standards district office or certificate holding district office before operating any aircraft complying with this AD through an AMOC.

(h) Additional Information

Pall Corporation Service Information Letter CE01301F2SINFOL, Revision A, dated July 15, 2015, which is not incorporated by reference, contains additional information about the subject of this AD. For service information identified in this AD, contact Pall Aerospace Corporation, 10540 Ridge Road, Suite 300, Newport Richey, Florida 34654; telephone 727-514-6491; email cam_dipronio@pall.com; website www.pall.com/aerospace. You may review this service information at the FAA, Office of the Regional Counsel, Southwest Region, 10101 Hillwood Pkwy., Room 6N-321, Fort Worth, TX 76177.

(i) Subject

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

Appendix A to AD 2018-18-12

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, it must be dried or replaced 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 23, 2018.

Scott A. Horn,

Deputy Director for Regulatory Operations, Compliance & Airworthiness Division,
Aircraft Certification Service.