

**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES**

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

BIWEEKLY 2018-17

8/6/2018 - 8/19/2018



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



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2018-12-01 Safran Helicopter Engines (Type Certificate previously held by Turbomeca, S.A.):
Amendment 39-19305; Docket No. FAA-2009-0889; Product Identifier 2009-NE-35-AD.

(a) Effective Date

This AD is effective September 12, 2018.

(b) Affected ADs

This AD replaces AD 2012-03-11, Amendment 39-16953 (77 FR 8092, February 14, 2012).

(c) Applicability

This AD applies to Safran Helicopter Engines, S.A., Arriel 2B and 2B1 turboshaft engines, except those incorporating Modification TU 178.

(d) Subject

Joint Aircraft System Component (JASC) Code 7300, Engine Fuel and Control.

(e) Unsafe Condition

This AD was prompted by analysis that indicated the modification of an engine to incorporate Modification TU 178 provides a more effective method than Modification TU 147 to reduce the risk of uncoupling between the low-pressure (LP) fuel pump impeller and the high-pressure (HP) fuel pump shaft of the HP/LP pump and hydro-mechanical metering unit (HMU). We are issuing this AD to prevent failure of the HMU. The unsafe condition, if not corrected, could result in failure of the engine, in-flight shutdown, and loss of the helicopter.

(f) Compliance

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

(g) Required Actions

(1) Check the transmissible torque between the LP fuel pump impeller and the HP fuel pump shaft as follows:

(i) For pre-Modification TU 147 HMUs, check the torque before accumulating 500 engine flight hours (FHs) since March 11, 2010 or before the next flight after the effective date of this AD, whichever occurs later. Use Paragraph 2.A. of Turbomeca Alert Mandatory Service Bulletin (MSB) A292 73 2830, Version B, dated July 10, 2009 to do the check.

(ii) For HMUs that incorporated Modification TU 147 on or before March 31, 2010, and those HMUs not listed in Figure 2 or 3 of Turbomeca Alert MSB A292 73 2836, Version A, dated August

17, 2010, check the torque before the next flight after the effective date of this AD. Use Paragraph 2.A. of Turbomeca Alert MSB A292 73 2836, Version A, dated August 17, 2010, to do the check.

(2) If the HMU does not pass the torque check, replace the HMU with a post-Modification TU 178 HMU before the next flight after the effective date of this AD.

(h) Mandatory Terminating Action

Within 2,200 engine FHs or 72 months after the effective date of this AD, whichever occurs first, replace any pre-Modification TU 178 HMU with a post-Modification TU 178 configuration HMU.

(i) Installation Prohibition

After the effective date of this AD, do not install a pre-Modification TU 178 HMU on engines incorporating a post-Modification TU 178 HMU.

(j) Alternative Methods of Compliance (AMOCs)

(1) The Manager, ECO 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 (k)(1) 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.

(k) Related Information

(1) For more information about this AD, contact John Frost, Aerospace Engineer, ECO Branch, FAA, 1200 District Avenue, Burlington, MA 01803; phone: 781-238-7756; fax: 781-238-7199; email: john.frost@faa.gov.

(2) Refer to European Aviation Safety Agency (EASA) AD 2017-0102, dated June 13, 2017, for more information. You may examine the EASA AD on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2009-0889.

(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 the AD specifies otherwise.

(3) The following service information was approved for IBR on March 11, 2010 (75 FR 5689, February 4, 2010).

(i) Turbomeca Alert Mandatory Service Bulletin (MSB) No. A292 73 2830, Version B, dated July 10, 2009.

(ii) Reserved.

(4) The following service information was approved for IBR on March 20, 2012 (77 FR 8092, February 14, 2012).

(i) Turbomeca Alert MSB No. A292 73 2836, Version A, dated August 17, 2010.

(ii) Reserved.

(5) For Safran Helicopter Engines, S.A, service information identified in this AD, contact Safran Helicopter Engines, S.A., 40220 Tarnos, France; phone: (33) 05 59 74 40 00; fax: (33) 05 59 74 45 15.

(6) You may view this service information at FAA, Engine and Propeller Standards Branch, 1200 District Avenue, Burlington, MA 01803. For information on the availability of this material at the FAA, call 781-238-7759.

(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 Burlington, Massachusetts, on July 31, 2018.

Robert J. Ganley,
Manager, Engine and Propeller Standards Branch,
Aircraft Certification Service.



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2018-15-06 Honda Aircraft Company LLC: Amendment 39-19338; Docket No. FAA-2018-0688; Product Identifier 2018-CE-026-AD.

(a) Effective Date

This AD is effective August 13, 2018.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Honda Aircraft Company LLC Model HA-420 airplanes with a serial number in the range of 42000011 through 42000112, certificated in any category.

(d) Subject

Joint Aircraft System Component (JASC)/Air Transport Association (ATA) of America Code 05, Time Limits.

(e) Unsafe Condition

This AD was prompted by a report that several required maintenance tasks were omitted from “Airworthiness Limitations—Inspection/Check” (Airworthiness Limitations section 05-60-00), of the Honda Aircraft Company HA-420 Airworthiness Limitation and Inspection Manual (ALIM), with a revision level prior to C1 and dated earlier than May 1, 2018. We are issuing this AD to prevent failures in various airplane systems, including but not limited to the hydraulic and ice protection systems, which could result in loss of control of the airplane.

(f) Compliance

Comply with the action of this AD within 30 days after August 13, 2018 (the effective date of this AD) or within 15 hours time-in-service (TIS) after August 13, 2018 (the effective date of this AD), whichever occurs first, unless already done. The airworthiness limitations section revision required in paragraph (g) of this AD contains new and reduced inspection intervals. Once you comply with paragraph (g) of this AD, if the hours TIS of your airplane exceed the threshold of any new limitation, you are required to comply with the replacement times or inspection intervals before further flight. This includes, but is not limited to, the following revised inspections:

(1) The 600-hour TIS interval ice protection system check, AMM Task Reference 30-10-01-700-801, previously located in the Scheduled Inspections section 05-20-00, has been relocated to the Airworthiness Limitations section 05-60-00, and reduced to a 300-hour TIS interval.

(2) The 600-hour TIS interval hydraulic power system check (AMM Task Reference 29-00-01-700-801), previously located in the Scheduled Inspections section 05-20-00, has been relocated to the Airworthiness Limitations section 05-60-00 and revised to AMM Task Reference 29-00-01-700-802.

(g) Airworthiness Limitations Revision

Revise the airworthiness limitations section of the maintenance program by replacing Airworthiness Limitations section 05-60-00 with an issue date earlier than May 1, 2018, with Airworthiness Limitations section 05-60-00, “Airworthiness Limitation– Inspection/Check,” dated May 1, 2018. Incorporating these airworthiness limitations makes them mandatory (reference 14 CFR 43.16 and 14 CFR 91.403(c)).

Note 1 to paragraph (g) of this AD: Airworthiness Limitations section 05-60-00 is contained in the Honda Aircraft Company, Inc. Model HA-420 ALIM.

(h) No Alternative Actions or Intervals

After revising the airworthiness limitations section as required by paragraph (g) of this AD, no alternative replacement times or inspection intervals may be approved unless the actions and/or intervals are approved as an alternative method of compliance in accordance with the procedures specified in paragraph (k)(1) of this AD.

(i) Credit for Previous Actions

Actions accomplished before the effective date of this AD in accordance with the 600-hour TIS ice protection system check, AMM Task Reference 30-10-01-700-801 located in the Scheduled Inspections section 05-20-00, is considered acceptable for compliance with the 300-hour TIS interval ice protection system check, AMM Task Reference 30-10-01-700-801 located in the Airworthiness Limitations section 05-60-00, dated May 1, 2018, if:

- (1) The wing anti-ice crossflow valve (WAIXV) passed the functionality check contained in the procedure; and
- (2) The airplane has not exceeded 300 hours TIS since the ice protection check was last performed.

(j) Special Flight Permit

Special flight permits are prohibited.

(k) 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 (l) 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.

(l) Related Information

For more information about this AD, contact Samuel Kovitch, Aerospace Engineer, Atlanta ACO Branch, FAA, 1701 Columbia Avenue, College Park, Georgia 30337; phone: (404) 474-5570; fax: (404) 474-5605; email: samuel.kovitch@faa.gov.

(m) 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) Honda Aircraft Company, Inc. Model HA-420 Airworthiness Limitation and Inspection Manual “Airworthiness Limitations– Inspection/Check,” (Airworthiness Limitations section (05-60-00)), dated May 1, 2018.

(ii) Reserved.

(3) For Honda Aircraft Company LLC service information identified in this AD, contact Honda Aircraft Company LLC, 6430 Ballinger Road, Greensboro, North Carolina 27410; telephone (336) 662-0246; internet: <http://www.hondajet.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.

(5) You may view the 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 July 19, 2018.

Pat Mullen,

Aircraft Certification Service, Acting Deputy Director, Policy and Innovation Division, AIR-601.



2018-16-01 B/E Aerospace Fischer GmbH: Amendment 39-19341; Docket No. FAA-2017-0937; Product Identifier 2017-NE-32-AD.

(a) Effective Date

This AD is effective August 31, 2018.

(b) Affected ADs

None.

(c) Applicability

This AD applies to attendant seats NG and pilot seats 120/335 with part numbers (P/Ns) and serial numbers (S/Ns) listed in Figures 1 and 2 to paragraph (c) of this AD. These seats are known to be installed on, but not limited to, Leonardo S.p.a. (formerly Finmeccanica, AgustaWestland, and Agusta) A109 and AW169 rotorcraft.

Figure 1 to Paragraph (c) of This AD—P/N and S/Ns of Attendant Seat NG

P/N	S/N
1021-A-B-10221-0WX01	0232 ,0237, 0252, 0253, 0254, 0255, 0263, 0284, 0285, 0286, 0287, 0288, 0290, 0291, 0307, 0308, 0309, 0310, 0311, 0312, 0313, 0314.

Figure 2 to Paragraph (c) of This AD—P/Ns and S/Ns of Pilot Seat 120/335

P/N	S/N
9911-0-0-X05X11101L2	1524, 1525, 1531, 1534.
9911-0-0-X05X11101R2	1529, 1530.
9911-0-0-X05X111L1R2	1542, 1543.
9911-0-0-X05X111R1L2	1541.

(d) Subject

Joint Aircraft System Component (JASC) Code 2510, Flight Compartment Equipment.

(e) Unsafe Condition

This AD was prompted by the discovery that rivets with insufficient strength were used during the manufacture of energy absorber (EA) assemblies installed on certain Attendant Seats NG and Pilot Seats 120/335. We are issuing this AD to prevent malfunction of the EA on the seat. The unsafe condition, if not addressed, could result in injuries to the occupants during an emergency landing.

(f) Compliance

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

(g) Required Actions

Within 45 days after the effective date of this AD:

(1) Review each affected attendant seat NG and pilot seat 120/335 to determine if rework has already been performed in accordance with the instructions in the Actions paragraph in B/E Aerospace Fischer Alert Service Bulletin (ASB) No. SB 9911-001, Issue B, dated November 4, 2016. If rework has been performed, no further action is required.

(2) Remove and replace the EA assemblies on each affected pilot seat in accordance with the instructions in the Actions paragraph in B/E Aerospace Fischer ASB No. SB 9911-001, Issue B, dated November 4, 2016.

(3) Remove each affected attendant seat and replace with a reworked seat in accordance with the instructions in the Actions paragraph B/E Aerospace Fischer ASB No. SB 9911-001, Issue B, dated November 4, 2016.

(h) Installation Prohibition

After the effective date of this AD, do not install an affected seat on an aircraft unless, prior to installation, the EA assemblies on the seat have been replaced in accordance with B/E Aerospace Fischer ASB No. SB 9911-001, Issue B, dated November 4, 2016.

(i) Credit for Previous Actions

You may take credit for the actions required by paragraph (g) of this AD if you performed these actions using B/E Aerospace Fischer ASB No. SB 9911-001, Issue A, dated July 14, 2016.

(j) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Boston 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 (k)(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.

(k) Related Information

(1) For more information about this AD, contact Dorie Resnik, Aerospace Engineer, Boston ACO Branch, FAA, 1200 District Avenue, Burlington, MA, 01803; phone: 781-238-7693; fax: 781-238-7199; email: dorie.resnik@faa.gov.

(2) Refer to European Aviation Safety Agency (EASA) AD 2016-0210, dated October 24, 2016, for more information. You may examine the EASA AD in the AD docket on the internet at <http://www.regulations.gov> by searching for and locating it in Docket No. FAA-2017-0937.

(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) B/E Aerospace Fischer Alert Service Bulletin No. SB 9911-001, Issue B, dated November 4, 2016.

(ii) Reserved.

(3) For service information identified in this AD, contact B/E Aerospace Fischer GmbH, Müller-Armack-Str. 4, D-84034 Landshut, Germany; phone: +49 (0) 871 93248-0; fax:+49 (0) 871 93248-22; email: spares@fischer-seats.de.

(4) You may view this service information at FAA, Engine & Propeller Standards Branch, 1200 District Avenue, Burlington, MA, 01803. For information on the availability of this material at the FAA, call 781-238-7759.

(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 Burlington, Massachusetts, on August 9, 2018.

Robert J. Ganley,
Manager, Engine and Propeller Standards Branch,
Aircraft Certification Service.



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

2018-16-11 Various Model 234 and Model CH-47D Helicopters: Amendment 39-19351; Docket No. FAA-2015-4007; Product Identifier 2015-SW-064-AD.

(a) Applicability

This AD applies to Model 234 and Model CH-47D helicopters, regardless of type certificate holder, with a pitch housing assembly (pitch housing) part number (P/N) 145R2075-11, 145R2075-12, 145R2075-13, 145R2075-14, 145R2075-15, 145R2075-16, 234R2075-1, or 234R2075-2 installed, certificated in any category.

(b) Unsafe Condition

This AD defines the unsafe condition as a crack in a pitch housing lug. This condition could result in loss of a rotor blade and consequent loss of helicopter control.

(c) Effective Date

This AD becomes effective September 17, 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

(1) Before further flight, remove from service any pitch housing P/N 145R2075-11, 145R2075-12, 145R2075-13, 145R2075-14, 145R2075-15, 145R2075-16, 234R2075-1, and 234R2075-2 that has accumulated 8,200 hours total time-in-service (TIS).

(2) Before the pitch housing accumulates 200 hours TIS after the effective date of this AD and thereafter at intervals not to exceed 200 hours TIS, ultrasonic inspect the pitch housing for a crack in accordance with Attachment 1, paragraphs F and H through K, of Boeing Service Bulletin 145R2075-62-0001, Revision 1, dated September 27, 2011. If there is a crack, replace the pitch housing before further flight.

(3) Within 400 hours TIS after the effective date of this AD or before the pitch housing has accumulated 4,000 hours total TIS, whichever occurs later, and thereafter at intervals not to exceed 500 hours TIS, eddy current inspect the pitch housing for a crack. If there is a crack, replace the pitch housing before further flight. The eddy current inspection must be accomplished using a method approved by the Manager, Seattle ACO Branch, or by the Manager, Denver ACO Branch. For a repair method to be approved as required by this AD, the manager's approval letter must specifically refer to this AD.

(f) Alternative Methods of Compliance (AMOCs)

(1) For operators of helicopters with type certificates issued by the Denver Aircraft Certificate Office or ACO Branch, the manager of the Denver ACO Branch, FAA, may approve AMOCs for this AD. Send your proposal to: Greg Johnson, Senior Aerospace Engineer, Denver ACO Branch, Compliance and Airworthiness Division, FAA, 26805 East 68th Avenue, Denver, CO 80249; phone: 303-342-1083; fax: 303-342-1088; email: Gregory.Johnson@faa.gov.

(2) All other AMOC requests should be sent to the Manager, Seattle ACO Branch, FAA. Send your proposal to: Chris Bonar, Aerospace Engineer, Airframe Section, Seattle ACO Branch, FAA, 2200 S 216th Street, Des Moines, WA 98198; telephone (206) 231-3521; email 9-ANM-Seattle-ACO-AMOC-Requests@faa.gov.

(3) 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

Special Airworthiness Information Bulletin SW-11-03, dated October 22, 2010 (SAIB); Columbia Helicopters, Inc., Alert Service Bulletin No. 234-62-A0012, Revision 2, dated March 1, 2016; and Columbia Helicopters, Inc., Alert Service Bulletin No. 47D-62-A0002, Revision 0, dated March 1, 2016, which are not incorporated by reference, contain additional information about the subject of this AD. You may view the SAIB on the internet at <http://www.regulations.gov> in the AD Docket. For Columbia service information identified in this final rule, contact Columbia Helicopters, Inc., 14452 Arndt Road NE, Aurora, OR 97002, telephone (503) 678-1222, fax (503) 678-5841, or at <http://www.colheli.com>. You may view a copy of the referenced service information at the FAA, Office of the Regional Counsel, Southwest Region, 10101 Hillwood Pkwy, Room 6N-321, Fort Worth, TX 76177.

(h) Subject

Joint Aircraft Service Component (JASC) Code: 6220, Main Rotor Head.

(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) Boeing Service Bulletin 145R2075-62-0001, Revision 1, dated September 27, 2011.

(ii) Reserved.

(3) For Boeing Helicopters service information identified in this AD, contact Boeing Helicopters, The Boeing Company, 1 S. Stewart Avenue, Ridley Park, PA 19078, telephone 610-591-2121.

(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 July 27, 2018.
Scott A. Horn,
Deputy Director for Regulatory Operations, Compliance & Airworthiness Division,
Aircraft Certification Service.