FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES

SMALL AIRPLANES, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

BIWEEKLY 2021-17

8/2/2021 - 8/15/2021

Federal Aviation Administration
Continued Operational Safety Policy Section, AIR-141
P.O. Box 25082
Oklahoma City, OK 73125-0460

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AD No.	Information	Manufacturer	Applicability

Information Key: E – Emergency; COR – Correction; R – Replaces, A – Affects

Biweekly 2021-01

2020-26-10		Leonardo S.p.a.	A119 and AW119 MKII
2020-26-13		Sikorsky Aircraft Corporation	S-92A
2020-26-14	R 75-16-20	Mitsubishi Heavy Industries, Ltd.	MU-2B, MU-2B-10, MU-2B-15, MU-2B-20, MU-2B-25, MU-2B-26, MU-2B-26A, MU-2B-30, MU-2B-35, MU-2B-36, MU-2B-36A, MU-2B-40, and MU-2B-60

Biweekly 2021-02

2020-26-16		Piper Aircraft, Inc.	PA-28-151, PA-28-161, PA-28-181, PA-28-235, PA-28R-180, PA-28R-200, PA-28R-201, PA-28R-201T, PA-28RT-201, PA-28RT-201T, PA-32-260, PA-32-300, PA-32R-300, PA-32RT-300, and PA-32RT-300T

Biweekly 2021-03

2021-01-02		M7 Aerospace LLC	SA26-AT and SA26-T

Biweekly 2021-04

2021-02-20		Hélicoptères Guimbal	Cabri G2
2021-04-04	R 2020-19-02	Airbus Helicopters	SA330J
2021-04-06		Pilatus Aircraft Ltd.	PC-7

Biweekly 2021-05

2020-26-19		Pilatus Aircraft Ltd.	PC-7
2021-01-05		Pilatus Aircraft Ltd.	PC-24
2021-02-03		Leonardo S.p.a	AW189
2021-02-04		Pilatus Aircraft Ltd.	PC-12/47E
2021-03-01	R 2018-05-09	Airbus Helicopters	AS332C, AS332C1, AS332L, AS332L1, and SA330J
2021-03-04		Airbus Helicopters Deutschland GmbH	EC135P1, EC135P2, EC135P2+, EC135P3, EC135T1, EC135T2, EC135T2+, and EC135T3
2021-03-06		Airbus Helicopters	SA-365N, SA-365N1, AS-365N2, AS 365 N3, EC 155B, and EC155B1
2021-03-07		Leonardo S.p.a.	AB139 and AW139
2021-03-13		Bell Textron Canada Limited	429
2021-03-15	R 2020-13-02	Leonardo S.p.a.	A119 and AW119 MKII
2021-03-16		Airbus Helicopters	AS350B, AS350B1, AS350B2, AS350B3, AS350BA, AS350D, AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP
2021-04-03		Pilatus Aircraft Ltd.	PC-24
2021-04-07		Piper Aircraft, Inc.	PA-46-350P; PA-46-500TP; PA-46R-350T
2021-04-08		Airbus Helicopters	AS350B3
2021-05-52	E	Bell Textron Canada Limited	505

Biweekly 2021-06

2021-02-01	R 2015-26-01	Airbus Helicopters	AS332C, AS332C1, AS332L, AS332L1, AS332L2, EC225LP, AS-365N2, AS 365 N3, EC 155B and EC155B1
2021-02-08	R 2018-19-01	Airbus Helicopters	AS-365N2, AS 365 N3, EC 155B, EC155B1, SA-365N, SA-365N1, and SA-366G1
2021-02-09		Airbus Helicopters	EC 155B and EC155B1
2021-02-11		Airbus Helicopters Deutschland GmbH	MBB-BK117 A-1, MBB-BK117 A-3, MBB-BK117 A-4, MBB-BK117 B-1, MBB-BK117 B-2, MBB-BK117 C-1, and MBB-BK117 C-2
2021-04-01		Leonardo S.p.a.	AB139 and AW139
2021-04-10		Textron Aviation, Inc.	208 and 208B
2021-04-12		Robinson Helicopter Company	R66
2021-04-13		Airbus Helicopters	AS350B, AS350BA, AS350B1, AS350B2, AS350B3, and AS350D; AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP; EC130 B4 and EC130 T2
2021-04-15		Airbus Helicopters	AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP; AS350B3
2021-04-16		Sikorsky Aircraft Corporation	S-92A
2021-04-17		Airbus Helicopters	AS350B, AS350BA, AS350B1, AS350B2, AS350D, AS355E, AS355F, AS355F1, AS355F2, and AS355N
2021-04-18	R 2020-23-02	Airbus Helicopters	EC225LP

AD No.	Information	Manufacturer	Applicability
Information Key: E – Emergency; COR – Correction; R – Replaces, A – Affects			
2021-04-19		Bell Textron Inc.	205B
2021-05-01		Airbus Helicopters	SA330J
2021-05-02		Airbus Helicopters	AS350B, AS350BA, AS350B1, AS350B2, AS350B3, AS350C, and AS350D; AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP; EC130B4 and EC130T2
2021-05-04		Leonardo S.p.a.	A109S and AW109SP
2021-05-05	R 2016-23-05	Airbus Helicopters	SA-365N1, AS-365N2, AS 365 N3, SA-366G1, EC 155B, and EC155B1
2021-05-07		Airbus Helicopters Deutschland GmbH	BO-105A, BO-105C, and BO-105S; 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
2021-05-08		Safran Helicopter Engines, S.A.	Arriel 2C, 2C1, 2S1, and 2S2
2021-05-09	R 2018-15-02	Airbus Helicopters	AS350B, AS350B1, AS350B2, AS350B3, AS350BA, AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP
2021-05-22		Safran Helicopter Engines, S.A.	Arriel 1B, Arriel 1C, Arriel 1C2, and Arriel 1D1; Astazou XIV B and Astazou XIV H
Biweekly 2021-07			
2021-05-06		Airbus Helicopters	AS332C, AS332C1, AS332L, AS332L1, AS332L2, EC 155B, EC155B1, EC225LP, and SA330J
2021-05-13		Leonardo S.p.a	AW189
2021-05-14		Air Tractor, Inc.	AT-250, AT-300, AT-301, AT-302, AT-400, AT-400A, AT-401, AT-401A, AT-401B, AT402, AT-402A, AT-402B, AT-501, AT-502, AT-502A, AT-502B, AT-503, AT-503A, AT-504, AT-602, AT-802, and AT-802A
2021-05-17	R 2019-12-09	Rockwell Collins, Inc.	Flight Display System Application FDSA-6500
2021-06-02		Airbus Helicopters	AS332L, AS332L1, AS332C, and AS332C1
2021-06-06	R 2021-05-52	Bell Textron Canada Limited	505
2021-07-05	R 2007-26-52	Leonardo S.p.a.	A109C, A109E, and A109K2
2021-07-08	R 97-26-02	Airbus Helicopters Deutschland GmbH	BO-105A, BO-105C, BO-105S, BO-105LS A-1, and BO-105LS A-3
Biweekly 2021-08			
2021-04-21		Airbus Helicopters	EC120B
2021-05-15	A 2019-09-03	Airbus Helicopters	AS332C, AS332C1, AS332L, and AS332L1
2021-05-19		Sikorsky Aircraft and Sikorsky Aircraft Corporation	S-61L, S-61N, S-61NM, and S-61R; S-61A, S-61D, S-61E, and S-61V
2021-05-21	R 2017-23-08	Leonardo S.p.a.	AB139 and AW139
2021-06-01		Pilatus Aircraft Ltd.	PC-24
2021-06-05	R 2017-07-08	Airbus Helicopters Deutschland GmbH	MBB-BK 117 D-2
2021-07-07		Airbus Helicopters	EC 155B and EC155B1
2021-07-12		Airbus Helicopters Deutschland GmbH	EC135P1, EC135P2, EC135P2+, EC135P3, EC135T1, EC135T2, EC135T2+, and EC135T3
2021-07-13		Pacific Scientific Company	rotary buckle assembly
2021-07-15	R 82-20-05	Airbus Helicopters	AS350B, AS350B1, AS350B2, AS350B3, AS350BA, AS350C, AS350D, AS350D1, AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP
2021-08-07		Rockwell Collins, Inc.	GPS-4000S
Biweekly 2021-09			
2021-07-16		Leonardo S.p.a.	AB412
2021-08-06	R 97-06-10	Textron Aviation Inc.	76
2021-08-15		Garmin International	GMN-00962 GTS
2021-08-18	R 2021-04-16	Sikorsky Aircraft Corporation	S-92A
2021-09-02	R 2021-04-07	Piper Aircraft, Inc.	PA-46-350P (Malibu Mirage), PA-46R-350T (Malibu Matrix), and PA-46-500TP (Malibu Meridian)
2021-09-04		Austro Engine GmbH	E4 and E4P
2021-09-07	R 2019-17-02	Airbus Helicopters Deutschland GmbH	EC135P1, EC135P2, EC135P2+, EC135P3, EC135T1, EC135T2, EC135T2+, and EC135T3
2021-09-09		Uninsured United Parachute Technologies, LLC	Vector 3 SE

AD No.	Information	Manufacturer	Applicability

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Biweekly 2021-10

2021-08-05		Airbus Helicopters	SA341G and SA342J
2021-08-16		PZL Swidnik S.A.	W-3A
2021-08-17		Airbus Helicopters	AS332L2
2021-09-05	R 2016-08-20	Airbus Helicopters	EC130B4 and EC130T2
2021-10-08		Bell Textron Canada Limited	206L, 206L-1, 206L-3, and 206L-4

Biweekly 2021-11

2021-08-02		Safran Helicopter Engines, S.A.	Arriel 2D and Arriel 2E
2021-09-14	R 2010-16-51	Airbus Helicopters	SA330J
2021-10-01		Leonardo S.p.a.	AW169
2021-10-03	R 2019-03-12	Airbus Helicopters	EC225LP
2021-10-10		Airbus Helicopters	SA330J
2021-10-14	A 2016-25-14	Airbus Helicopters Deutschland GmbH	BO-105A, BO-105C, BO-105S, and BO-105LS A-3
2021-10-24	R 2015-25-04	Leonardo S.p.a.	A109A and A109A II

Biweekly 2021-12

2021-10-15		Airbus Helicopters Deutschland GmbH	MBB-BK 117 C-2; MBB-BK 117 D-2
2021-10-16		Carson Helicopters, Inc. Croman Corporation Sikorsky Aircraft Corporation Siller Helicopters	S-61L; SH-3H; S-61A, S-61D, S-61E, and S-61V; CH-3E; SH-3A
2021-10-17		Mooney International Corporation	M20V
2021-10-18		Airbus Helicopters Deutschland GmbH	MBB-BK117 D-2
2021-10-21	R 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
2021-10-23		Airbus Helicopters Deutschland GmbH	MBB-BK 117 D-2
2021-10-25		Airbus Helicopters	EC130B4 and EC130T2

Biweekly 2021-13

2021-10-28		Pilatus Aircraft Ltd.	PC-24
2021-11-01	R 2013-20-13	Bell Textron Canada Limited	206B and 206L
2021-11-03		Airbus Helicopters	EC 155B, EC155B1, SA-365N, SA-365N1, AS-365N2, and AS 365 N3
2021-11-05		Airbus Helicopters	EC225LP
2021-11-08	R 2014-25-04	Pilatus Aircraft Ltd.	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
2021-11-09		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
2021-11-12		Pilatus Aircraft Ltd.	PC-24
2021-11-13		Bell Textron Canada Limited	429
2021-11-14		Leonardo S.p.a.	AW169
2021-11-16	R 79-01-03 R 83-20-03	Piper Aircraft, Inc.	PA-36-285, PA-36-300, and PA-36-375
2021-11-17		Airbus Helicopters Deutschland GmbH	EC135P1, EC135P2, EC135P2+, EC135P3, EC135T1, EC135T2, EC135T2+, and EC135T3
2021-11-19		Bell Textron Canada Limited	505
2021-11-22	R 2016-11-21	Airbus Helicopters Deutschland GmbH	EC135P1, EC135P2, EC135P2+, EC135P3, EC135T1, EC135T2, EC135T2+, and EC135T3
2021-12-03		Leonardo S.p.a.	AW189
2021-12-05		Airbus Helicopters	EC155B1
2021-12-06		Airbus Helicopters	AS-365N2, AS 365 N3, SA-365N, and SA-365N1
2021-12-10		Leonardo S.p.a.	AB139 and AW139

AD No.	Information	Manufacturer	Applicability

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2021-13-07		GE Aviation Czech s.r.o	M601D-11, M601E-11, M601E-11A, M601E-11AS, M601E-11S, and M601F
Biweekly 2021-14			
2021-11-25		Airbus Helicopters	AS350B3 and EC130T2
2021-12-08		Airbus Helicopters Deutschland GmbH	MBB-BK 117 D-2
2021-12-09		Airbus Helicopters Deutschland GmbH	MBB-BK 117 D-2
2021-12-16		Airbus Helicopters Deutschland GmbH	MBB-BK117 C-2 and MBB-BK117 D-2
2021-13-01		Leonardo S.p.a.	AB139 and AW139; AW189
2021-13-15		Bell Textron Canada Limited	429
2021-13-21		Leonardo S.p.a.	AB139, AW139, and AW189
Biweekly 2021-15			
2021-13-03		Safran Helicopter Engines, S.A.	Arriel 2B, 2B1, 2C, 2C1, 2C2, 2S1 and 2S2
2021-13-04		Airbus Helicopters	AS332C, AS332C1, AS332L, and AS332L1
2021-13-05		Airbus Helicopters Deutschland GmbH	EC135P1, EC135P2, EC135P2+, EC135P3, EC135T1, EC135T2, EC135T2+, and EC135T3
2021-13-08		Safran Helicopter Engines, S.A.	Arriel 2C and Arriel 2S1g
2021-13-09		Airbus Helicopters	SA330J
2021-13-14		Airbus Helicopters Deutschland GmbH	BO-105A, BO-105C, BO-105S, and BO-105LS A-3
2021-13-17	R 2017-17-01	Airbus Helicopters	AS332L2 and EC225LP
2021-13-19	R 2014-11-02	Airbus Helicopters	SA-365N, SA-365N1, AS-365N2, and AS 365 N3
2021-14-02		Aircraft Industries a.s.	L-420, L 410 UVP-E20, and L 410 UVP-E20 CARGO
2021-14-05		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, and MBB-BK 117 C-1
2021-14-07	R 2003-25-01	Airbus Helicopters	AS332C, AS332C1, AS332L, and AS332L1; AS350B, AS350BA, AS350B1, AS350B2, AS350B3, AS350D, AS355E, AS355F, AS355F1, AS355F2, and AS355N
2021-14-12		True Flight Holdings LLC	AA-1, AA-1A, AA-1B, AA-1C, and AA-5
2021-14-14		Leonardo S.p.a.	AW119 MKII
2021-14-15	R 2002-08-16	Airbus Helicopters, Eurocopter France	SA341G and SA342J; SA-360C
2021-15-51	E	Bell Textron Inc.	204B, 205A, 205A-1, 205B, and 212
2021-15-52	E	Various Manufactures	HH-1K; TH-1F; TH-1L; UH-1A; UH-1B; UH-1E; UH-1F; UH-1H; UH-1H; UH-1L; UH-1P
Biweekly 2021-16			
2021-11-10		Airbus Helicopters	SA-365N, SA-365N1, AS-365N2, and AS 365 N3
2021-13-13		Leonardo S.p.a.	AW189
2021-14-16		Airbus Helicopters	SA-365N, SA-365N1, AS-365N2, AS 365 N3, and SA-366G1
2021-14-18	R 2011-18-52	Leonardo S.p.a.	AB139 and AW139
2021-15-06		Bell Textron Canada Limited	206A, 206B, 206L, 206L-1, 206L-3, 206L-4
2021-15-09		Leonardo S.p.a.	AB139 and AW139
2021-15-14		Various Restricted Category Helicopters	TH-1F, TH-1L, UH-1A, UH-1B, UH-1E, UH-1F, UH-1H, UH-1L, UH-1P
2021-15-52		Various Restricted Category Helicopters	TH-1F, TH-1L, UH-1A, UH-1B, UH-1E, UH-1F, UH-1H, UH-1L, UH-1P
Biweekly 2021-17			
2021-15-12		Pratt & Whitney Canada Corp.	PW210A and PW210S
2021-15-51		Bell Textron Inc.	204B, 205A, 205A-1, 205B, and 212
2021-16-20		PZL Swidnik S.A.	PZL W-3A
2021-17-01		Austro Engine GmbH	E4 and E4P

2021-15-12 Pratt & Whitney Canada Corp.: Amendment 39-21659; Docket No. FAA-2020-0103; Project Identifier MCAI-2020-00604-E.

(a) Effective Date

This airworthiness directive (AD) is effective September 9, 2021.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Pratt & Whitney Canada Corp. (P&WC) PW210A and PW210S model turboshaft engines.

(d) Subject

Joint Aircraft System Component (JASC) Code 7230, Turbine Engine Compressor Section.

(e) Unsafe Condition

This AD was prompted by a report from the manufacturer that the Automated Damage Tracking System (ADTS) may under-count the number of cycles accrued by the impeller and the high-pressure compressor (HPC) rotor, which could result in the failure of these components. The FAA is issuing this AD to prevent failure of the impeller and the HPC rotor. The unsafe condition, if not addressed, could result in the uncontained release of the impeller or the HPC rotor, damage to the engine, damage to the helicopter, and loss of control of the helicopter.

(f) Compliance

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

(g) Required Actions

Before exceeding 7,000 starts or 14,000 flight cycles since new on the affected engine, or prior to removal of the engine from the aircraft for the purpose of sending the engine to a repair or overhaul facility, whichever occurs first after the effective date of this AD:

(1) Use the manual low-cycle fatigue (LCF) counting method to determine the accumulated LCF cycles for the impeller and the HPC rotor using paragraph 3.A., Accomplishment Instructions, of P&WC Alert Service Bulletin (ASB) No. PW210-72-A57142, Revision No. 1, dated March 26, 2020, or P&WC ASB No. PW210-72-A57143, Revision No. 1, dated March 26, 2020, as applicable for the engine model.

(2) After performing the actions required by paragraph (g)(1) of this AD, use the manual LCF counting method specified in paragraph (g)(1) of this AD to count subsequent LCF cycles on the impeller and HPC rotor. Do not use the ADTS to count subsequent LCF cycles on the impeller or the HPC rotor.

(h) Definition

For the purpose of this AD, a "start" is an engine start followed by one or more flights.

(i) No Reporting Requirement

The reporting requirement specified in the Accomplishment Instructions, paragraph 3.A.4., of P&WC ASB No. PW210-72-A57142, Revision No. 1, dated March 26, 2020, and paragraph 3.A.4., of P&WC ASB No. PW210-72-A57143, Revision No. 1, dated March 26, 2020, is not required by this AD.

(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 ECO Branch, send it to the attention of the person identified in Related Information.

(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 Barbara Caufield, Aviation Safety Engineer, ECO Branch, FAA, 1200 District Avenue, Burlington, MA 01803; phone: (781) 238-7146; fax: (781) 238-7199; email: barbara.caufield@faa.gov.

(2) Refer to Transport Canada Civil Aviation (TCCA) AD CF-2020-13, dated April 28, 2020, for more information. You may examine the TCCA AD in the AD docket at https://www.regulations.gov by searching for and locating Docket No. FAA-2020-0103.

(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.

(i) Pratt & Whitney Canada Corp. (P&WC) Alert Service Bulletin (ASB) No. PW210-72-A57142, Revision No. 1, dated March 26, 2020.

(ii) P&WC ASB No. PW210-72-A57143, Revision No. 1, dated March 26, 2020.

(3) For P&WC service information identified in this AD, contact Pratt & Whitney Canada Corp., 1000 Marie-Victorin, Longueuil, Quebec, J4G 1A1 Canada; phone: (800) 268-8000.

(4) You may view this service information at FAA, Airworthiness Products Section, Operational Safety 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, email: fedreg.legal@nara.gov, or go to: https://www.archives.gov/federal-register/cfr/ibr-locations.html.

Issued on July 15, 2021.

Ross Landes,

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

[FR Doc. 2021-16544 Filed 8-4-21; 8:45 am]

2021-15-51 Bell Textron Inc. (Type Certificate Previously Held by Bell Helicopter Textron Inc.): Amendment 39-21678; Docket No. FAA 2021-0619; Project Identifier AD-2021-00789-R.

(a) Effective Date

This airworthiness directive (AD) is effective without actual notice on August 24, 2021. Emergency AD 2021-15-51, issued on July 6, 2021, which contained the requirements of this amendment, was effective with actual notice.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Bell Textron Inc. (type certificate previously held by Bell Helicopter Textron Inc.) Model 204B, 205A, 205A-1, 205B, and 212 helicopters, certificated in any category, with an outboard main rotor hub strap pin (pin) part number 204-012-104-005 with a serial number prefix "FNFS" installed.

(d) Subject

Joint Aircraft System Component (JASC) Code/Air Transport Association (ATA) of America Code: 6200, Main rotor system.

(e) Unsafe Condition

This AD was prompted by a fatal accident in which a pin sheared off during flight, resulting in the main rotor blade and the main rotor head detaching from the helicopter. The FAA is issuing this AD to address this unsafe condition and prevent loss of control of the helicopter.

(f) Compliance

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

(g) Required Actions

(1) Before further flight, remove from service any pin that is identified in paragraph (c) of this AD.

(2) As of the effective date of this AD, do not install any pin that is identified in paragraph (c) of this AD on any helicopter.

(h) Special Flight Permits

Special flight permits are prohibited.

(i) Alternative Methods of Compliance (AMOCs)

(1) The Manager, DSCO 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 in paragraph (j)(1) of this AD. Information may be emailed to: 9-ASW-190-COS@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

(1) For more information about this AD, contact David Wilson, Aerospace Engineer, DSCO Branch, Compliance & Airworthiness Division, FAA, 10101 Hillwood Pkwy., Fort Worth, TX 76177; telephone (817) 222-5786; email david.wilson@faa.gov.

(2) The subject of this AD is addressed in Transport Canada Emergency AD CF-2021-23, dated July 5, 2021.

Issued on July 30, 2021.

Ross Landes,

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

[FR Doc. 2021-17024 Filed 8-5-21; 4:15 pm]

2021-16-20 PZL Swidnik S.A.: Amendment 39-21683; Docket No. FAA-2021-0652; Project Identifier MCAI-2020-00271-R.

(a) Effective Date

This airworthiness directive (AD) is effective August 26, 2021.

(b) Affected ADs

None.

(c) Applicability

This AD applies to PZL Swidnik S.A. Model PZL W-3A helicopters, certificated in any category, with fairing part number (P/N) 30.23.015.00.03 installed on vibration absorber P/N 30.23.000.00.04 installed.

(d) Subject

Joint Aircraft Service Component (JASC) Code: 6200, Main Rotor System.

(e) Unsafe Condition

This AD defines the unsafe condition as improper torque of a bolt securing the fairing to the vibration absorber due to lack of information regarding torque value for the nut. This condition could result in detachment of the fairing, causing damage to the main and tail rotor, and subsequent reduced control of the helicopter.

(f) Compliance

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

(g) Required Actions

Within 300 hours time in service after the effective date of this AD:

(1) Remove from service each bolt P/N 3003A-6-16-3, washer P/N 3402A-1, and castellated nut P/N 3336A-6 that secure the fairing to the vibration absorber.

(2) Visually inspect the bonding between the fairing and the vibration absorber for anodic coating. If there is any anodic coating, before further flight,

(i) Polish the surface of the fairing and vibration absorber in all areas where washers make contact to remove all anodic coating.

(ii) Using 180-220 grit abrasive paper, burnish the surface to improve bonding.

(iii) Wash the surface with extraction naphtha, or equivalent cleaning solution.

(3) Insert a new bolt P/N 3003A-6-16-3 and a new washer P/N 3402A-1 into each hole connecting the fairing to the vibration absorber.

(4) At the vibration absorber star side, install a new washer P/N 3402A-1, and a new castellated nut P/N 3336A-6 onto each bolt. Torque each castellated nut to 5.4 1.0 Nm (0.55 0.10 kGm) and lock each castellated nut with a cotter pin. If the specified torque range cannot be accomplished, remove the washer, bolt, and nut from service, replace these parts with airworthy parts, and reapply torque.

(5) As of the effective date of this AD, do not install vibration absorber P/N 30.23.000.00.04 with a fairing P/N 30.23.015.00.03 on any helicopter unless they are inspected as required by paragraph (g)(2) of this AD and installed as required by paragraphs (g)(3) and (4) of this AD.

(h) Alternative Methods of Compliance (AMOCs)

(1) The Manager, International Validation 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 International Validation Branch, send it to the attention of the person identified in paragraph (i)(1) of this AD. Information may be emailed to: 9-AVS-AIR-730-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.

(i) Related Information

(1) For more information about this AD, contact Kristi Bradley, Program Manager, COS Program Management Section, Operational Safety Branch, Compliance & Airworthiness Division, FAA, 10101 Hillwood Pkwy., Fort Worth, TX 76177; telephone (817) 222-5110; email kristin.bradley@faa.gov.

(2) WYTWÓRNIA SPRZ[Eogon]TU KOMUNIKACYJNEGO “PZL-Świdnik” Spó[lstrok]ka Akcyjna Alert Service Bulletin No. ASB-37-19-307, dated January 27, 2020, which is not incorporated by reference, contains additional information about the subject of this AD. For service information identified in this AD, contact WSK “PZL-Świdnik” S.A., Al. Lotników Polskich 1, 21-045 Świdnik, Poland; telephone (+48) 81722 5716; fax (+48) 81722 5625; email: PL-CustomerSupport.AW@leonardocompany.com; or at https://www.pzlswidnik.pl/en/home.

(3) The subject of this AD is addressed in European Union Aviation Safety Agency (EASA) AD 2020-0038, dated February 27, 2020. You may view EASA AD 2020-0038 at https://www.regulations.gov in Docket No. FAA-2021-0652.

(j) Incorporation by Reference

None.

Issued on July 30, 2021.

Ross Landes,

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

[FR Doc. 2021-17025 Filed 8-10-21; 8:45 am]

2021-17-01 Austro Engine GmbH: Amendment 39-21684; Docket No. FAA-2021-0654; Project Identifier MCAI-2021-00682-E.

(a) Effective Date

This airworthiness directive (AD) is effective August 23, 2021.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Austro Engine GmbH E4 and E4P model diesel piston engines.

(d) Subject

Joint Aircraft System Component (JASC) Code 8550, Reciprocating Engine Oil System.

(e) Unsafe Condition

This AD was prompted by a report of oil pressure loss on an E4 model diesel piston engine. The FAA is issuing this AD to prevent failure of the engine. The unsafe condition, if not addressed, could result in failure of the engine, in-flight shutdown, and loss of the airplane.

(f) Compliance

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

(g) Required Actions

Before further flight after the effective date of this AD, remove the oil pump, part number (P/N) E4A-50-000-BHY, with a serial number (S/N) listed in paragraph 1.2., Engines Affected, Tables 2 and 3, of Austro Engine GmbH Mandatory Service Bulletin No. MSB-E4-031/1, Revision No. 1, dated July 1, 2021 (the MSB), from service and replace with a part eligible for installation using the Accomplishment/Instructions, paragraph 2.2.1 or paragraph 2.2.2., of the MSB, as applicable.

(h) No Communication or Reporting Requirements

The instructions to contact the manufacturer and report information to the manufacturer in the Accomplishment/Instructions, paragraph 2.2, of the MSB, are not required by this AD.

(i) Installation Prohibition

After the effective date of this AD, do not install onto any engine an oil pump with P/N E4A-50-000-BHY and an S/N listed in paragraph 1.2., Engines Affected, Tables 2 and 3, of the MSB.

(j) Definitions

For the purpose of this AD, a "part eligible for installation" is an oil pump that is not P/N E4A-50-000-BHY or an oil pump P/N E4A-50-000-BHY and an S/N that is not listed in paragraph 1.2., Engines Affected, Tables 2 and 3, of the MSB.

(k) Special Flight Permit

Special flight permits, as described in Section 21.197 and Section 21.199 of the Federal Aviation Regulations (14 CFR 21.197 and 21.199), are subject to the requirements of paragraph (k)(1) and (2) of this AD.

(1) Operators of a twin-engine airplane that has one or two Model E4 engines in configuration "-B" or "-C" or Model E4P engines installed may perform a one-time non-revenue ferry flight to a location where the engine can be removed from service. This ferry flight must be performed with only essential flight crew.

(2) All other ferry flights are prohibited.

(l) 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 ECO Branch, send it to the attention of the person identified in Related Information. 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.

(m) Related Information

(1) For more information about this AD, contact Wego Wang, Aviation Safety Engineer, ECO Branch, FAA, 1200 District Avenue, Burlington, MA 01803; phone: (781) 238-7134; fax: (781) 238-7199; email: wego.wang@faa.gov.

(2) Refer to European Union Aviation Safety Agency (EASA) AD 2021-0143-E, dated June 16, 2021, for more information. You may examine the EASA AD in the AD docket at https://www.regulations.gov by searching for and locating Docket No. FAA-2021-0654.

(n) 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) Austro Engine Mandatory Service Bulletin No. MSB-E4-031/1, Revision No. 1, dated July 1, 2021.

(ii) [Reserved]

(3) For Austro Engine service information identified in this AD, you may contact Austro Engine GmbH, Rudolf-Diesel-Strasse 11, 2700 Weiner Neustadt, Austria; phone: +43 2622 23000 2525; website: www.austroengine.at.

(4) You may view this service information at the FAA, Airworthiness Products Section, Operational Safety 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, email: fr.inspection@nara.gov, or go to: https://www.archives.gov/federal-register/cfr/ibr-locations.html.

Issued on August 2, 2021.

Lance T. Gant,

Director, Compliance & Airworthiness Division, Aircraft Certification Service.

[FR Doc. 2021-16895 Filed 8-4-21; 11:15 am]