FEDERAL AVIATION ADMINISTRATION

AIRWORTHINESS DIRECTIVES

SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, AIRSHIPS, AND UAS

BIWEEKLY 2022-18

08/15/2022 - 08/28/2022

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

AD No.	Information	Manufacturer	Applicability

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

BiWeekly 2022-01

2021-05-03		Airbus Helicopters	EC225LP
2021-23-01		Stemme AG	Stemme S 12
2021-23-06		Various Manufactures	234; CH-47D
2021-24-18		Viking Air Limited	DHC-3
2021-24-19		Flugzeugbau GmbH	DG-500MB and DG-1000M
2021-24-21		Embraer S.A.	EMB-500 and EMB-505
2021-24-22	R 2012-06-16	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
2021-25-01		Leonardo S.p.a.	A109S and AW109SP
2021-25-08		Leonardo S.p.a.	AW189
2021-25-10		Daher Aerospace	TBM 700
2021-25-11	R 78-02-03	Piper Aircraft, Inc.	PA-23-250
2021-26-07	R 2020-11-05	Airbus Helicopters	EC120B
2021-26-08		Bell Textron Canada Limited	206, 206A, 206A-1, 206B, 206B-1, 206L, 206L-1, 206L-3, and 206L-4
2022-01-05	R 2021-24-06	Airbus Helicopters	EC130T2

BiWeekly 2022-02

2021-26-14	R 2018-11-01	Airbus Helicopters	AS332L2, EC225LP
2021-26-15		Vulcanair S.p.A.	P.68C, P.68C-TC, P.68 “OBSERVER,” P.68 OBSERVER 2, P.68R, and P.68TC OBSERVER
2021-26-18	R 2020-21-01	Airbus Helicopters	AS-365N2, AS 365 N3, and SA-365N1; SA-365C1, SA-365C2, and SA-365N; EC 155B and EC155B1
2022-01-06		Cameron Balloons Ltd.	flange adapter
2022-01-09		Stemme AG	Stemme S 10-VT and Stemme S 12
2022-02-01		Sikorsky Aircraft Corporation	S-92A
2022-02-02	R 2021-15-51	Bell Textron Inc.	204B, 205A, 205A-1, 205B, 210, and 212

BiWeekly 2022-03

2021-26-12		Stemme AG	Stemme S 12
2021-26-16		Various Restricted Category Helicopters	UH-1H
2021-26-21		Pilatus Aircraft Ltd.	PC-24
2021-26-24		Leonardo S.p.a.	A109A and A109A II
2021-26-25		Schempp-Hirth Flugzeugbau GmbH	Duo Discus; Duo Discus T
2021-26-26	R 2005-12-08	Safran Helicopter Engines, S.A.	Arrius 2B1, Arrius 2B1A, and Arrius 2B2
2021-26-29		Leonardo S.p.a.	AW169
2022-02-17		Airbus Helicopters Deutschland GmbH	MBB-BK 117 C-2, MBB-BK 117 D-2, and MBB-BK 117 D-3
2022-03-03	R 2021-22-20	Austro Engine GmbH	E4 and E4P
2022-03-07		Stemme AG	S6 and S6-RT

BiWeekly 2022-04

2022-01-01		Airbus Helicopters	AS350B, AS350BA, AS350B1, AS350B2, AS350B3, AS350D,

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			EC130B4, and EC130T2; AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP; SA-365C1, SA-365C2, SA-365N, SA-365N1, AS-365N2, and AS 365 N3
2022-01-03		Umlaut Engineering GmbH	hand-held P3HAFEX fire extinguisher
2022-02-02	COR R 2021-15-51	Bell Textron Inc.	204B, 205A, 205A-1, 205B, 210, and 212
2022-02-04		Airbus Helicopters	AS350B, AS350B2, AS350B3, and AS350BA
2022-02-06		Airbus Helicopters	EC120B
2022-02-08		Leonardo S.p.a.	AB412 and AB412 EP
2022-02-12		Leonardo S.p.a.	AB139 and AW139
2022-02-13		Airbus Helicopters	EC120B
2022-02-19		Airbus Helicopters Deutschland GmbH	EC135P1, EC135P2, EC135P2+, EC135P3, EC135T1, EC135T2, EC135T2+, and EC135T3
2022-02-20		Airbus Helicopters Deutschland GmbH	MBB-BK 117 C-2 and MBB-BK 117 D-2
2022-03-01		Diamond Aircraft Industries GmbH	DA 42 NG; DA 42, and DA 42 M-NG
2022-03-04	R 80-13-10 R 80-13-12 R1 R 2008-03-01	Viking Air Limited	DHC-6-1, DHC-6-100, DHC-6-200, DHC-6-300, and DHC-6-400
2022-03-08		Fiberglas-Technik Rudolf Lindner GmbH & Co. KG	G102 ASTIR CS; G103 TWIN ASTIR, G103 TWIN II, G103A TWIN II ACRO, G103 C TWIN III ACRO, and G 103 C TWIN III SL
2022-03-09	A 2020-08-02	Sikorsky Aircraft Corporation	S-76D
2022-03-23		Textron Aviation Inc.	300, 300LW, B300, and B300C
BiWeekly 2022-05			
2022-03-13	R 2014-21-03	Airbus Helicopters	AS332L2
2022-03-15		Various Airplanes	Garmin G3X Touch Electronic Flight Instrument System
2022-03-17		Airbus Helicopters	AS332L2 and EC225LP
2022-03-18		British Aerospace (Operations) Limited and British Aerospace Regional Aircraft	Jetstream Series 200, Jetstream Model 3101, and Jetstream Model 3201
2022-04-01		DG Flugzeugbau GmbH and Schempp-Hirth Flugzeugbau GmbH	DG-1000T and Duo Discus T
2022-04-04		Continental Aerospace Technologies, Inc. and Continental Motors	C-125-1, C-125-2, C145-2, C145-2H, IO-360-C, IO-360-D, IO-360-DB, IO-360-H, IO-360-HB, IO-360-K, IO-360-KB, IO-470-E, IO-470-S, IO-550-B, IO-550-G, O-300-B, O-300-C, O-300-D, O-300-E, O-470-A, O-470-B, O-470-G, O-470-J, O-470-K, O-470-L, O-470-M, O-470-N, O-470-R, O-470-S, O-470-U, O-470-11, O-470-15, TSIO-360-E, TSIO-360-EB, TSIO-360-F, TSIO-360-FB, TSIO-360-GB, TSIO-360-LB, TSIO-360-MB, TSIO-360-SB, TSIO-520-C, TSIO-520-CE, TSIO-520-E, and TSIO-520-UB
2022-05-01		Learjet, Inc.	35, 35A (C-21A), 36, 36A, 55, 55B, 55C, and 60
2022-05-02	R 2021-11-25	Airbus Helicopters	AS350B3 and EC130T2
BiWeekly 2022-06			
2022-04-06	R 2021-06-06	Bell Textron Canada Limited	505

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2022-04-09		AVOX Systems Inc.	oxygen cylinder
2022-05-05		Schempp-Hirth Flugzeugbau GmbH	Ventus-2a and Ventus-2b
2022-05-11		Viking Air Limited	DHC-3
2022-05-12	R 2020-12-08	Embraer S.A.	EMB-505
2022-05-14		GROB Aircraft SE	G 115EG
BiWeekly 2022-07			
2021-03-16R1	R 2021-03-16	Airbus Helicopters	AS350B, AS350B1, AS350B2, AS350B3, AS350BA, AS350D, AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP
2022-05-10		Goodrich Externally-Mounted Hoist Assemblies	hoist assembly
2022-05-13		Honda Aircraft Company LLC	HA-420
2022-06-01		Airbus Helicopters Deutschland GmbH	MBB-BK 117 D-3
2022-06-03	R 2022-02-02	Bell Textron Inc.	204B, 205A, 205A-1, 205B, 210, and 212
2022-06-05	R 2021-15-52	Various Restricted Category Helicopters	Various Models
2022-06-13		Airbus Helicopters Deutschland GmbH	MBB-BK 117 C-2 and MBB-BK 117 D-2
2022-06-20	R 2020-20-06	Bell Textron Canada Limited	429
2022-07-03		Bell Textron Inc.	412, 412EP, and 412CF
2022-07-05	R 2022-05-09	MARS A.S.	ATL-88/90-1B
BiWeekly 2022-08			
2022-06-04		Schempp-Hirth Flugzeugbau GmbH	Janus, Mini-Nimbus HS-7, Nimbus-2, and Standard Cirrus
2022-06-08	R 2017-18-10	Diamond Aircraft Industries GmbH	DA 42, DA 42 M-NG, and DA 42 NG
2022-06-12		Airbus Helicopters	SA330J
2022-06-17		Airbus Helicopters	EC130T2
2022-06-19		Leonardo S.p.a.	AW109SP
2022-07-01	R 2020-23-07	Leonardo S.p.a.	AB139 and AW139
2022-07-02		Bell Textron Inc.	205A and 205A-1; 205B; 210; 212l; 412 and 412EP; 412CF
2022-07-04		Pilatus Aircraft Ltd.	PC-12/47E
2022-07-09		Airbus Helicopters	AS332L2 and EC225LP
2022-07-11	R 2021-17-18	Leonardo S.p.a.	A109C, A109K2, A109E, A109S, and AW109SP
2022-07-12	R 2021-02-20	Hélicoptères Guimbal	Cabri G2
2022-07-14		Viking Air Limited	DHC-6-400
BiWeekly 2022-09			
2022-08-01	R 2020-22-01	Airbus Helicopters	AS332C, AS332C1, AS332L, and AS332L1
2022-08-02		Airbus Helicopters	EC 155B and EC155B1
2022-08-03		Textron Aviation Inc.	120 and 140; 140A
2022-08-10	R 2020-12-07	Hamilton Sundstrand Corporation	54H
2022-08-11		Bell Textron Canada Limited	429
2022-08-13		Pratt & Whitney Canada Corp.	PT6A-34, -34B, -34AG, -114, and -114A
2022-08-15		Airbus Helicopters Deutschland GmbH	MBB-BK 117 C-2

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BiWeekly 2022-10

2022-09-04	R 2021-05-05	Airbus Helicopters	SA-365N1, AS-365N2, AS 365 N3, SA-366G1, EC 155B, and EC155B1
2022-09-07	R 2019-11-05 A 2020-17-10	Bell Textron Canada Limited	429
2022-09-13		Piper Aircraft, Inc.	PA-34-200
2022-09-17		Scheibe-Aircraft-GmbH	SF 25 C
2022-10-51	E	Airbus Helicopters; Airbus Helicopters Deutschland GmbH	AS350B, AS350B1, AS350B2, AS350B3, AS350BA, AS350D, AS355E, AS355F, AS355F1, AS355F2, AS355N, AS355NP, EC130B4, and EC130T2; EC135P1, EC135P2, EC135P2+, EC135P3, EC135T1, EC135T2, EC135T2+, EC135T3, MBB-BK 117 C-2, MBB-BK 117 D-2, and MBB-BK 117 D-3

BiWeekly 2022-11

2022-08-09		Pilatus Aircraft Ltd.	PC-24
2022-10-01		Pilatus Aircraft Ltd.	PC-12/47E
2022-10-03		Viking Air Limited	DHC-6-1, DHC-6-100, DHC-6-200, DHC-6-300, and DHC-6-400
2022-10-07	R 89-24-06 R1	Viking Air Limited	DHC-6-1, DHC-6-100, DHC-6-200, DHC-6-300, and DHC-6-400

BiWeekly 2022-12

2022-10-02	R 2002-03-01	Honeywell International Inc.	T5311A, T5311B, T5313B, T5317A, T5317A-1, T5317B, T5317BCV, and former military T53-L-11, T53-L-11A, T53-L-11B, T53-L-11C, T53-L-11D, T53-L-11A S/SA, T53-L-13B, T53-L-13B S/SA, T53-L-13B S/SB, and T53-L-703
2022-10-06	R 2017-18-14	Rolls-Royce Corporation	250-C20, 250-C20B, 250-C20C (T63-A-720), 250-C20F, 250-C20J, 250-C20R, 250-C20R/1, 250-C20R/2, 250-C20R/4, 250-C20W, 250-C300/A1, and 250-C300/B1
2022-10-09		Airbus Helicopters	SA-365C1 and SA-365C2
2022-10-51	E	Airbus Helicopters and Airbus Helicopters Deutschland GmbH	AS350B, AS350B1, AS350B2, AS350B3, AS350BA, AS350D, AS355E, AS355F, AS355F1, AS355F2, AS355N, AS355NP, EC130B4, and EC130T2; EC135P1, EC135P2, EC135P2+, EC135P3, EC135T1, EC135T2, EC135T2+, EC135T3, MBB-BK 117 C-2, MBB-BK 117 D-2, and MBB-BK 117 D-3
2022-11-04	R 2020-26-13	Sikorsky Aircraft Corporation	S-92A
2022-11-06		Leonardo S.p.a.	A109S
2022-11-07		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, MBB-BK117 C-2, and MBB-BK117 D-2
2022-11-08	A 2011-22-05 R1 A 2016-25-20	Airbus Helicopters	AS350B, AS350BA, AS350B1, AS350B2, AS350B3, AS350D, EC130B4, and EC130T2
2022-11-09		Viking Air Limited	DHC-6-1, DHC-6-100, DHC-6-200, DHC-6-300, and DHC-6-400
2022-11-10		Piper Aircraft, Inc.	PA-46-600TP
2022-11-19		Bell Textron Inc.	212, 412, 412CF, and 412EP

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BiWeekly 2022-13

2022-11-12		Viking Air Limited	DHC-6-1, DHC-6-100, DHC-6-200, DHC-6-300, and DHC-6-400
2022-11-16		British Aerospace (Operations) Limited and British Aerospace Regional Aircraft	Jetstream Model 3101; Jetstream Model 3201
2022-11-18		Airbus Helicopters	AS355E, AS355F, AS355F1, AS355F2, AS-365N2, AS 365 N3, SA-365N, SA-365N1, EC 155B, and EC155B1
2022-12-06		Costruzioni Aeronautiche Tecnam S.P.A.	P2012 Traveller
2022-12-07	R 75-23-03	Alexander Schleicher GmbH & Co. Segelflugzeugbau	Ka2B, Ka 6, Ka 6 B, Ka 6 BR, Ka 6 C, Ka 6 CR, K 7, K 8, K 8 B, and AS-K 13
2022-12-08		Robinson Helicopter Company	R22 BETA; R44; R44 II
2022-12-09	R 2017-15-06	British Aerospace (Operations) Limited and British Aerospace Regional Aircraft	HP.137 Jetstream Mk.1, Jetstream Series 200, and Jetstream Model 3101; Jetstream Model 3201
2022-13-01		Leonardo S.p.a	AW169
2022-13-03		Cameron Balloons Ltd.	fuel cylinder

BiWeekly 2022-14

2022-13-16		GE Aviation Czech s.r.o.	M601D-11
2022-13-07		AutoGyro Certification Limited	Calidus,Cavalon,MTOsport 2017
2022-11-20		Leonardo S.p.a.	AB139,AW139
2022-14-51	E	Airbus Helicopters	EC225LP

BiWeekly 2022-15

2022-14-12		GE Aviation Czech s.r.o.	M601F,M601E-11,M601E-11A,M601D-11,M601E-11AS,M601E-11S
2022-14-03		Leonardo S.p.a.	AB412,AB412 EP
2022-14-11		Stemme AG	Stemme S 12
2022-13-14		Airbus Helicopters	AS-365N2,AS-365N3,EC 155B,EC155B1,SA-365N1
2022-13-06		Diamond Aircraft Industries Inc	DA 40,DA 40 NG,DA 40F
2022-13-15		Williams International Company, L.L.C.	FJ44-2A,FJ44-2C,FJ44-3A,FJ44-3A-24

BiWeekly 2022-16

2022-16-03		Continental Aerospace Technologies, Inc.,Lycoming Engines,Textron Lycoming Subsidiary of Textron Inc.	GTSIO-520-C,GTSIO-520-D,GTSIO-520-F,GTSIO-520-H,GTSIO-520-K,GTSIO-520-L,GTSIO-520-M,GTSIO-520-N,IO-346-A,IO-470-C,IO-470-D,IO-470-E,IO-470-F,IO-470-G,IO-470-H,IO-470-J,IO-470-K,IO-470-L,IO-470-M,IO-470-N,IO-470-P,IO-470-R,IO-470-S,IO-470-U,IO-470-V,IO-470-VO,IO-520-A,IO-520-B,IO-520-BA,IO-520-BB,IO-520-C,IO-520-CB,IO-520-D,IO-520-E,IO-520-F,IO-520-J,IO-520-K,IO-520-L,IO-520-P,IO-550-B,IO-550-C,IO-550-D,IO-550-E,IO-550-F,IO-550-L,LTSIO-520-AE,O-470-B,O-470-E,O-470-G,O-470-J,O-470-K,O-470-L,O-470-M,O-470-R,O-470-S,O-470-U,TSIO-520-A,TSIO-520-AE,TSIO-520-AF,TSIO-520-B,TSIO-520-BB,TSIO-520-C,TSIO-520-CE,TSIO-520-DB,TSIO-520-G,TSIO-520-H,TSIO-520-KB,TSIO-520-LB,TSIO-520-NB,TSIO-520-P,TSIO-520-R,

			TSIO-520-T,TSIO-520-UB,TSIO-520-VB,TSIO-520-WB,TSIOL-550-A,TSIOL-550-B,TSIOL-550-C,AEIO-320-D1B,AEIO-320-D2B,AEIO-360-A1B,AEIO-360-A1B6,AEIO-360-A2B,AEIO-360-B1F,AEIO-360-B2F,AEIO-360-B2F6,AEIO-540-D4B5,AIO-320-A1A,AIO-320-A1B,AIO-320-A2A,AIO-320-A2B,AIO-320-B1B,AIO-320-C1B,AIO-360-A1A,AIO-360-A1B,AIO-360-A2A,AIO-360-A2B,AIO-360-B1B,GO-480-G1J6,GSO-480-B1J6,HIO-540-A1A,HIO-360-C1B,HIO-360-D1A,IGO-480-A1A6,IGO-540-A1C,IGSO-480-A1G6,IGSO-540-A1A,IGSO-540-A1C,IGSO-540-A1D,IGSO-540-A1E,IGSO-540-A1F,IGSO-540-A1H,IGSO-540-B1A,IGSO-540-B1C,IO-320-B1D,IO-320-B1E,IO-320-D1A,IO-320-D1B,IO-320-D1C,IO-360-A1B,IO-360-A1B6,IO-360-A1C,IO-360-A1D6,IO-360-A2B,IO-360-A2C,IO-360-B1E,IO-360-B1F,IO-360-B2E,IO-360-B2F,IO-360-B2F6,IO-360-C1B,IO-360-C1C,IO-360-C1C6,IO-360-C1D6,IO-360-C1E6,IO-360-C1F,IO-360-D1A,IO-360-E1A,IO-360-F1A,IO-540-B1A5,IO-540-D4B5,IO-540-D4C5,IO-540-E1B5,IO-540-E1C5,IO-540-G1B5,IO-540-G1C5,IO-540-G1D5,IO-540-G1E5,IO-540-G1F5,IO-540-J4A5,IO-540-K1A5,IO-540-K1B5,IO-540-K1C5,IO-540-K1D5,IO-540-K1E5,IO-540-K1F5,IO-540-K1G5,IO-540-K1H5,IO-540-K1J5,IO-540-K1K5,IO-540-L1A5,IO-540-L1C5,IO-540-M1A5,IO-540-M1C5,IO-540-P1A5,IO-540-R1A5,IO-540-S1A5,IO-540-T4B5,IO-540-W1A5,IO-540-AA1A5,LIO-360-C1E6,LTIO-540-J2B,LTIO-540-U2A,LTIO-540-W2A,O-235-C2B,O-235-E2B,O-235-F2B,O-235-G2B,O-235-J2B,O-235-K2B,O-320-D1C,O-320-D1F,O-320-D2C,O-320-D2F,O-320-E1C,O-320-E1F,O-320-E1J,O-320-E2C,O-320-E2F,O-360-A1F,O-360-A1F6,O-360-A1G,O-360-A1G6,O-360-A2F,O-360-A2G,O-360-A4G,O-360-C1F,O-540-B1D5,O-540-B2C5,O-540-E4C5,O-540-G1A5,O-540-G2A5,TIGO-541-B1A,TIGO-541-C1A,TIGO-541-D1A,TIGO-541-D1B,TIGO-541-E1A,TIO-360-A1A,TIO-360-A1B,TIO-540-A1A,TIO-540-A1B,TIO-540-A1C,TIO-540-A2A,TIO-540-A2B,TIO-540-A2C,TIO-540-C1A,TIO-540-E1A,TIO-540-G1A,TIO-540-H1A,TIO-540-J2B,TIO-540-U2A,TIO-540-W2A,TIO-541-A1A,TIO-541-E1A4,TIO-541-E1B4,TIO-541-E1C4,TIO-541-E1D4,TVO-435-B1B,TVO-435-D1A,TVO-435-F1A,TVO-435-G1A,VO-435-B1A,VO-540-B1H3,VO-540-B2G,VO-540-C2C,IO-720-A1B,IO-720-B1B,IO-720-C1B,TSIO-520-M
2022-15-02		Cameron Balloons Ltd.,Aerostar International,Ballonbau Worner GmbH,Balony Kubicek spol s.r.o.,Eagle Balloons Corp.,Kubíek Factory	N/A

SMALL AIRCRAFT

AD No.	Information	Manufacturer	Applicability
		s.r.o.,JR Aerosports, LTD,Lindstrand Balloons Ltd.,Adams Aerostats LLC	N/A
2022-14-14		Alexander Schleicher GmbH & Co. Segelflugzeugbau	ASW -15
2022-14-51		Airbus Helicopters	EC225LP

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BiWeekly 2022-17

No ADs

BiWeekly 2022-18

No ADs

BiWeekly 2022-18

2022-17-05	R 2002-14-28	Viking Air Limited	DHC-2 Mk.I,DHC-2 Mk.II,DHC-2 Mk.III
2022-17-01		Airbus Helicopters Deutschland GmbH	EC135P1,EC135P2,EC135P2+,EC135P3, EC135T1,EC135T2,EC135T2+/EC635T2 +,EC135T3

PART 39-AIRWORTHINESS DIRECTIVES

1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

§39.13
[Amended]

2. The FAA amends §39.13 by:

a. Removing Airworthiness Directive 2002-14-28, Amendment 39-12828 (67 FR 47684, July 22, 2002); and

b. Adding the following new airworthiness directive:

2022-17-05 Viking Air Limited (type certificate previously held by Bombardier Inc. and de Havilland Inc.): Amendment 39-22143; Docket No. FAA-2022-0602; Project Identifier MCAI-2020-01211-A.

(a) Effective Date

This airworthiness directive (AD) is effective September 30, 2022.

(b) Affected ADs

This AD replaces AD 2002-14-28, Amendment 39-12828 (67 FR 47684, July 22, 2002) (AD 2002-14-28).

(c) Applicability

This AD applies to Viking Air Limited (type certificate previously held by Bombardier Inc. and de Havilland Inc.) Model DHC-2 Mk. I, DHC-2 Mk. II, and DHC-2 Mk. III airplanes, all serial numbers, certificated in any category.

(d) Subject

Joint Aircraft System Component (JASC) Code 5300, Fuselage Structure (General).

(e) Unsafe Condition

This AD was prompted by mandatory continuing airworthiness information (MCAI) originated by an aviation authority of another country to identify and correct an unsafe condition on an aviation product. The MCAI identifies the unsafe condition as the development of damage to the front fuselage struts and airframe lugs over time. The FAA is issuing this AD to address this condition. The unsafe condition, if not addressed,

could result in failure of the front fuselage struts, which could lead to failure of the airframe and loss of airplane control.

(f) Definition of Serviceable Part

For purposes of this AD, a “serviceable part” is a front fuselage strut that has a part number (P/N) other than P/N C2FS209 and C2FS210 and meets the conditions in either paragraph (f)(1) or (2) of this AD:

(1) Has accumulated less than 15 years since first installation on an airplane; or

(2) Has accumulated 15 or more years since first installation on an airplane and has been inspected in accordance with the requirements of this AD.

(g) Compliance

Comply with the initial actions in paragraph (h) of this AD at the applicable compliance time in paragraph (g)(1), (2), or (3) of this AD, unless already done.

(1) For airplanes with a front fuselage strut that has been installed for less than 15 years as of the effective date of this AD: Before each front fuselage strut accumulates 15 years since first installation on an airplane.

(2) For airplanes with a front fuselage strut that has been installed for more than 15 years as of the effective date of this AD or with a front fuselage strut where the date of first installation on an airplane is unknown and the ultrasonic inspection required by paragraph (d)(2) of AD 2002-14-28 has not been done within the last 5 years: Before further flight.

(3) For airplanes with a front fuselage strut that has been installed for more than 15 years as of the effective date of this AD or with a front fuselage strut where the date of first installation on an airplane is unknown and the ultrasonic inspection required by paragraph (d)(2) of AD 2002-14-28 has been done within the last 5 years: Within 5 years from the date of the last ultrasonic inspection done in accordance with paragraph (d)(2) of AD 2002-14-28.

(h) Initial Actions

(1) Do the actions in paragraph (h)(1)(i) or (ii) of this AD:

(i) Remove the front fuselage struts from service and install and seal serviceable parts in accordance with steps w. and y. through ii. of Section II.B.1. or II.B.2., as applicable to your airplane, of Viking DHC-2 Beaver Technical Bulletin No. V2/00002, Revision A, dated June 20, 2019 (Viking TB V2/00002); or

(ii) Do visual and borescope inspections of the front fuselage struts and non-destructive testing (NDT) inspections of the fuselage strut fork ends for corrosion and cracks in accordance with steps m. through p. of Section II.B.1. or II.B.2., as applicable to your airplane, of Viking TB V2/00002, except you are not required to contact the manufacturer. Instead, do the actions in paragraph (h)(3) of this AD.

(2) Do visual and NDT inspections of the mating airframe lug surfaces and bolt holes for corrosion and cracks and replace if necessary in accordance with steps q., r., t., and u. of Section II.B.1. or II.B.2., as applicable to your airplane, of Viking TB V2/00002, except you are not required to contact the manufacturer.

(3) If, during any inspection required by paragraph (h)(1)(ii) of this AD, any crack or corrosion is found, before further flight, do one of the following:

(i) Remove the part from service and install and seal a serviceable part in accordance with steps w. and y. through ii. of Section II.B.1. or II.B.2., as applicable to your airplane, of Viking TB V2/00002; or

(ii) If the wall thickness of the part is 0.030 inch or more, repair in accordance with step s.(2) of Section II.B. 1. or II.B.2., as applicable to your airplane, of Viking TB V2/00002; or

(iii) Repair using a method approved by the Manager, New York ACO Branch, FAA; Transport Canada; or Viking Air Limited's Transport Canada Design Organization Approval (DOA). If approved by the DOA, the approval must include the DOA-authorized signature.

(i) Repetitive Actions

(1) After completing the actions in paragraphs (h)(1)(ii) and (2) of this AD, unless already done, do the following:

(i) At intervals not to exceed 12 months, except when complying with paragraph (i)(1)(ii) or (2) of this AD, clean and visually inspect the front fuselage struts and airframe lugs for corrosion and cracking in accordance with steps n., p., and q. of Section II.B.1. or II.B.2., as applicable to your airplane, of Viking TB V2/00002. If there is a crack or any corrosion, before further flight, comply with the actions in paragraph (h)(3)(i), (ii), or (iii) of this AD.

(ii) At intervals not to exceed 5 years, except when complying with paragraph (i)(2) of this AD, do visual and borescope inspections of the front fuselage struts and a visual inspection of the airframe lugs for corrosion and cracking in accordance with steps m. through q. and t. of Section II.B.1. or II.B.2., as applicable to your airplane, of Viking TB V2/00002, except you are not required to contact the manufacturer. If there is a crack or any corrosion, before further flight, comply with the actions in paragraph (h)(3)(i), (ii), or (iii) of this AD.

(2) At intervals not to exceed 15 years, repeat the actions required by paragraph (h) of this AD.

(j) Alternative Methods of Compliance (AMOCs)

(1) The Manager, New York 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 Aziz Ahmed, Aviation Safety Engineer, New York ACO Branch, FAA, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; phone: (516) 228-7329; email: *aziz.ahmed@faa.gov*.

(2) Refer to Transport Canada AD CF-2020-22, dated June 5, 2020, for more information. You may examine the Transport Canada AD in the AD docket at *www.regulations.gov* by searching for and locating Docket No. FAA-2022-0602.

(l) 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) Viking DHC-2 Beaver Technical Bulletin No. V2/00002, Revision `A,' dated June 20, 2019.

(ii) [Reserved]

(3) For Viking Air Ltd service information identified in this AD, contact Viking Air Limited Technical Support, 1959 de Havilland Way, Sidney, British Columbia, Canada, V8L 5V5; phone: (800) 663-8444; fax: (250) 656-0673; email: *technical.support@vikingair.com;* website: *www.vikingair.com/support/service-bulletins*.

(4) You may view this service information at FAA, Airworthiness Products Section, Operational Safety Branch, 901 Locust, Kansas City, MO 64106. 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: *fr.inspection@nara.gov*, or go to: *www.archives.gov/federal-register/cfr/ibr-locations.html*.

Issued on August 4, 2022.

Christina Underwood,

Acting Director, Compliance & Airworthiness Division, Aircraft Certification Service.

[FR Doc. 2022-18383 Filed 8-25-22; 8:45 am]

BILLING CODE 4910-13-P

PART 39-AIRWORTHINESS DIRECTIVES

1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

§39.13
[Amended]

2. The FAA amends §39.13 by adding the following new airworthiness directive:

2022-17-01 Airbus Helicopters Deutschland GmbH (AHD): Amendment 39-22139; Docket No. FAA-2022-0510; Project Identifier MCAI-2022-00158-R.

(a) Effective Date

This airworthiness directive (AD) is effective September 27, 2022.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Airbus Helicopters Deutschland GmbH (AHD) Model EC135P1, EC135P2, EC135P2+, EC135P3, EC135T1, EC135T2, EC135T2+, and EC135T3 helicopters, serial numbers (S/N) from 0008 to 0869 inclusive, except S/N 0831 and S/N 0864, certificated in any category.

(d) Subject

Joint Aircraft Service Component (JASC) Code: 2100, Air Conditioning System.

(e) Unsafe Condition

This AD was prompted by reports of the air conditioning system (ACS) malfunctioning. The FAA is issuing this AD to prevent possible overheating of the ACS. The unsafe condition, if not addressed, could result in an overvoltage of the ACS, resulting in overheating of the surrounding area, failure of the helicopter electrical system connected to the ACS, and a subsequent loss of electrical power which could result in increased pilot workload.

(f) Compliance

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

(g) Requirements

Except as specified in paragraphs (h) and (i) of this AD: Comply with all required actions and compliance times specified in, and in accordance with, European Union Aviation Safety Agency (EASA) AD 2022-0023, dated February 3, 2022 (EASA AD 2022-0023).

(h) Exceptions to EASA AD 2022-0023

(1) Where EASA AD 2022-0023 requires compliance in terms of flight hours, this AD requires using hours time-in-service.

(2) Where EASA AD 2022-0023 refers to its effective date, this AD requires using the effective date of this AD.

(3) This AD does not mandate compliance with the “Remarks” section of EASA AD 2022-0023.

(i) No Reporting Requirement

Although the service information referenced in EASA AD 2022-0023 specifies to submit certain information to the manufacturer, this AD does not include that requirement.

(j) 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 (k) 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.

(k) Related Information

For more information about this AD, contact Stephanie Sunderbruch, Aerospace Engineer, Safety Risk Management Section, Systems Policy Branch, Policy & Innovation Division, FAA, 10101 Hillwood Pkwy., Fort Worth, TX 76177; telephone (817) 222-4659; email *Stephanie.L.Sunderbruch@faa.gov*.

(l) 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 this AD specifies otherwise.

(i) European Union Aviation Safety Agency (EASA) AD 2022-0023, dated February 3, 2022.

(ii) [Reserved]

(3) For EASA AD 2022-0023, contact EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 8999 000; email *ADs@easa.europa.eu;* internet *www.easa.europa.eu*. You may find the EASA material on the EASA website at *https://ad.easa.europa.eu*.

(4) You may view this 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. This material may be found in the AD docket at *www.regulations.gov* by searching for and locating Docket No. FAA-2022-0510.

(5) You may view this material 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: *www.archives.gov/federal-register/cfr/ibr-locations.html*.

Issued on August 2, 2022.

Christina Underwood,

Acting Director, Compliance & Airworthiness Division, Aircraft Certification Service.

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