

**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES**

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

BIWEEKLY 2022-22

10/10/2022 - 10/23/2022



Federal Aviation Administration
Continued Operational Safety Policy Section, AIR-141
P.O. Box 25082
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SMALL AIRCRAFT

AD No.	Information	Manufacturer	Applicability
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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
2021-26-18	R 2020-21-01	Airbus Helicopters	OBSERVER 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

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Biweekly 2022-04			
2022-01-01		Airbus Helicopters	AS350B, AS350BA, AS350B1, AS350B2, AS350B3, AS350D, 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,

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2022-05-02	R 2021-11-25	Airbus Helicopters	55C, and 60 AS350B3 and EC130T2
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Biweekly 2022-06

2022-04-06	R 2021-06-06	Bell Textron Canada Limited	505
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; 212i; 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
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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
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

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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
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.	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		Segelflugzeugbau 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			
2022-11-20		Leonardo S.p.a.	AB139,AW139
2022-13-07		AutoGyro Certification Limited	Calidus,Cavalon,MTOsport 2017
2022-13-16		GE Aviation Czech s.r.o.	M601D-11
2022-14-51	E	Airbus Helicopters	EC225LP
Biweekly 2022-15			
2022-13-06		Diamond Aircraft Industries Inc	DA 40,DA 40 NG,DA 40F
2022-13-14		Airbus Helicopters	AS-365N2,AS-365N3,EC 155B,EC155B1,SA-365N1
2022-13-15		Williams International Company, L.L.C.	FJ44-2A,FJ44-2C,FJ44-3A,FJ44-3A-24
2022-14-03		Leonardo S.p.a.	AB412,AB412 EP
2022-14-11		Stemme AG	Stemme S 12
2022-14-12		GE Aviation Czech s.r.o.	M601F,M601E-11,M601E-11A,M601D-11,M601E-11AS,M601E-11S
Biweekly 2022-16			
2022-14-14		Alexander Schleicher GmbH & Co. Segelflugzeugbau	ASW -15

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2022-14-51		Airbus Helicopters	EC225LP
2022-15-02		Cameron Balloons Ltd.,Aerostar International,Ballonbau Worner GmbH,Balony Kubicek spol s.r.o.,Eagle Balloons Corp.,Kubfiek Factory s.r.o.,JR Aerosports, LTD,Lindstrand Balloons Ltd.,Adams Aerostats LLC	N/A
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,LSIO-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-

SMALL AIRCRAFT

AD No.	Information	Manufacturer	Applicability
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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

Biweekly 2022-17

No ADs

Biweekly 2022-18

2022-17-01

Airbus Helicopters Deutschland GmbH

EC135P1,EC135P2,EC135P2+,EC135P3,EC135T1,EC135T2,EC135T2+/EC635T2+,EC135T3

2022-17-05

R 2002-14-28

Viking Air Limited

DHC-2 Mk.I,DHC-2 Mk.II,DHC-2 Mk.III

Biweekly 2022-19

2022-17-13

Piaggio Aero Industries S.p.A.

P-180

2022-18-02

MT-Propeller Entwicklung GmbH

MTV-5-1-(),MTV-9-(),MTV-12-(),MTV-14-B,MTV-14-D,MTV-15-(),MTV-16-(),MTV-18-(),MTV-27-()

2022-18-03

R 2022-05-13

Honda Aircraft Company LLC

HA-420

2022-18-07

Airbus Helicopters

AS332C,AS332C1,AS332L,AS332L1

2022-18-16

General Electric Company

CT7-8A

Biweekly 2022-20

2022-19-03

R 2016-26-08

Pilatus Aircraft Ltd.

PC-12,PC-12/45,PC-12/47,PC-12/47E

2022-19-08

Airbus Helicopters

SA341G,SA342J

2022-19-11

Costruzioni Aeronautiche Tecnam S.P.A.

P2006T

2022-19-12

R 2021-19-08

Robinson Helicopter Company

R44,R44 II,R66

2022-19-13

A 2011-22-05 R1
A 2016-25-20

Airbus Helicopters

AS355E,AS355F,AS355F1,AS355F2,AS355N,AS355NP

SMALL AIRCRAFT

AD No.	Information	Manufacturer	Applicability
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Information Key: E- Emergency; COR - Correction; R - Replaces, A- Affects

Biweekly 2022-21

2022-19-07		Piaggio Aviation S.p.A.	P-180
2022-20-01		Airbus Helicopters Deutschland GmbH	MBB-BK 117 C-2
2022-21-51	E	Viking Air Limited	DHC-3

Biweekly 2022-22

2022-20-07	R 2021-10-10	Airbus Helicopters	SA330J
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PART 39-AIRWORTHINESS DIRECTIVES

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

[Amended]

The FAA amends §39.13 by:

Removing Airworthiness Directive 2021-10-10, Amendment 39-21543 (, May 20, 2021); and

Adding the following new airworthiness directive:

2022-20-07 Airbus Helicopters: Amendment 39-22191; Docket No. FAA-2022-0888; Project Identifier MCAI-2021-01211-R.

(a) Effective Date

This airworthiness directive (AD) is effective November 15, 2022.

(b) Affected ADs

This AD replaces AD 2021-10-10, Amendment 39-21543 (, May 20, 2021).

(c) Applicability

This AD applies to all Airbus Helicopters Model SA330 J helicopters, certificated in any category.

(d) Subject

Joint Aircraft Service Component (JASC) Code: 6320, Main Rotor Gearbox.

(e) Unsafe Condition

This AD was prompted by a failure of a second stage planet gear installed in the main gearbox (MGB). The FAA is issuing this AD to address failure of an MGB second stage planet gear, which could result in failure of the MGB and subsequent loss of control of the helicopter.

(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 2021-0239, dated November 5, 2021 (EASA AD 2021-0239).

(h) Exceptions to EASA AD 2021-0239

- (1) Where EASA AD 2021-0239 refers to its effective date, this AD requires using the effective date of this AD.
- (2) Where EASA AD 2021-0239 refers to March 30, 2018 (the effective date of EASA AD 2018-0065, dated March 23, 2018), this AD requires using the effective date of this AD.
- (3) Where EASA AD 2021-0239 refers to December 27, 2018 (the effective date of EASA AD 2018-0272, dated December 13, 2018), this AD requires using the effective date of this AD.
- (4) Where EASA AD 2021-0239 refers to flight hours (FH), this AD requires using hours time-in-service (TIS).
- (5) Where EASA AD 2021-0239 specifies actions be done after the last flight of the day or “ALF,” this AD requires doing those actions before the first flight of the day.
- (6) Where paragraph (1) of EASA AD 2021-0239 specifies to inspect the MGB particle detector “in accordance with the instructions of Section 3 of the inspection ASB” for this AD replace that phrase with “by following the Accomplishment Instructions, paragraph 3.B.2.a., of the inspection ASB.”
- (7) Where paragraph (2) of EASA AD 2021-0239 specifies to inspect the MGB bottom housing (oil sump) “in accordance with the instructions of Section 3 of the inspection ASB” for this AD replace that phrase with “by following the Accomplishment Instructions, paragraph 3.B.2.b. of the inspection ASB.”
- (8) Where the service information referenced in EASA AD 2021-0239 specifies to perform a metallurgical analysis and contact the manufacturer if unsure about the characterization of the particles collected, this AD does not require contacting the manufacturer to determine the characterization of the particles collected.
- (9) Although the service information referenced in EASA AD 2021-0239 specifies that if any 16NCD13 particles are found to contact the manufacturer and send a 1-liter sample of oil to the manufacturer, this AD does not require that action.
- (10) Although the service information referenced in EASA AD 2021-0239 specifies returning certain parts to the manufacturer, this AD does not require that action.
- (11) Where paragraph (5) of EASA AD 2021-0239 allows modifying an affected MGB by having the second stage planet gear assembly replaced by an Airbus Helicopters qualified technician, this AD does not allow that action; instead of that action, this AD allows modifying an affected MGB in accordance with a method approved by the Manager, General Aviation & Rotorcraft Section, International Validation Branch, FAA; or EASA; or Airbus Helicopters EASA Design Organization Approval (DOA). If approved by the DOA, the approval must include the DOA-authorized signature.
- (12) Although the service information referenced in EASA AD 2021-0239 specifies discarding certain parts, this AD requires removing the parts from service.
- (13) The “Remarks” section of EASA AD 2021-0239 does not apply to this AD.

(i) No Reporting Requirement

Although the service information referenced in EASA AD 2021-0239 specifies to submit certain information to the manufacturer, this AD does not include that requirement.

(j) Special Flight Permit

Special flight permits may be issued in accordance with and to operate the helicopter to a location where the helicopter can be modified, provided that the helicopter is operated during the day, under visual flight rules, and with no passengers onboard.

(k) 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 . In accordance with , 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 (l) of this AD. Information may be emailed to: .

(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 Mahmood G. Shah, Aviation Safety Engineer, Fort Worth ACO Branch, FAA, 10101 Hillwood Pkwy, Fort Worth, TX 76177; phone: 817-222-5538; email: .

(m) 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 and .

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

(i) European Union Aviation Safety Agency (EASA) AD 2021-0239, dated November 5, 2021.

(ii) [Reserved]

(3) For EASA AD 2021-0239, contact EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 8999 000; email ; internet easa.europa.eu. You may find the EASA material on the EASA website at ad.easa.europa.eu.

(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. This material may be found in the AD docket at regulations.gov by searching for and locating Docket No. FAA-2022-0888.

(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: , or go to: .

Issued on September 16, 2022.

Christina Underwood,

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

[Filed 10-7-22; 8:45 am]

BILLING CODE 4910-13-P