FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES

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

BIWEEKLY 2023-19

08/28/2023 - 09/10/2023

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

SMALL AIRCRAFT

AD No.	Information	Manufacturer	Applicability

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

Biweekly 2023-01

2022-26-01		GE Aviation Czech s.r.o.	M601D-11,M601E-11,M601E-11A,M601E-11AS,M601E-11S,M601F,H75-100,H75-200,H80,H80-100,H80-200,H85-100,H85-200
2022-27-03		Leonardo S.p.a.	AB139,AW139
2022-27-08		Bell Textron Canada Limited	407

Biweekly 2023-02

2022-27-09		Airbus Helicopters	EC130T2
2023-01-02		Leonardo S.p.a.	A109,A109A,A109A II,A109C,A109E,A109K2,A109S,AW109SP

Biweekly 2023-03

2023-01-07		GE Aviation Czech s.r.o.	H75-100,H75-200,H80,H80-100,H80-200,H85-100,H85-200
2023-01-11		Safran Helicopter Engines S.A.	Makila 1A,Makila 1A1
2023-01-12		Safran Helicopter Engines S.A.	Arriel 1C,Arriel 1C1,Arriel 1C2
2023-02-03	R 2022-01-09	Stemme AG	Stemme S 10-VT,Stemme S 12
2023-02-04		Mooney International Corporation	M20C,M20D,M20E,M20F,M20G

Biweekly 2023-04

2023-01-04		Airbus Helicopters	AS350B,AS350BA,AS350B1,AS350B2,AS350B3,AS350D,AS355E,AS355F,AS355F1,AS355F2,AS355N,AS355NP
2023-01-07		GE Aviation Czech s.r.o.	H75-100,H75-200,H80,H80-100,H80-200,H85-100,H85-200
2023-01-08		Continental Aerospace Technologies GmbH	TAE 125-02-99,TAE 125-02-114
2023-01-10		GE Aviation Czech s.r.o.	M601E-11,M601E-11A,M601E-11AS,M601E-11S,M601F
2023-02-12		Continental Aerospace Technologies Inc.	GTSIO-520-C,GTSIO-520-D,GTSIO-520-E,GTSIO-520-F,GTSIO-520-H,GTSIO-520-K,GTSIO-520-L,GTSIO-520-M,GTSIO-520-N,IO-470-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-LO,IO-470-M,IO-470-N,IO-470-P,IO-470-R,IO-470-S,IO-470-T,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-M,IO-520-MB,IO-520-N,IO-520-NB,IO-520-P,IO-550-A,IO-550-B,IO-550-C,IO-550-D,IO-550-E,IO-550-F,IO-550-G,IO-550-L,IO-550-N,IO-550-P,IO-550-R,IOF-550-B,IOF-550-C,IOF-550-D,IOF-550-E,IOF-550-F,IOF-550-L,IOF-550-P,IOF-550-R,LIO-470-A,LIO-520-P,LTSIO-520-AE,O-470-A,O-470-E,O-470-G,O-470-G-CI,O-470-H,O-470-J,O-470-K,O-470-K-CI,O-470-L,O-470-L-CI,O-470-M,O-470-M-CI,O-470-N,O-470-P,O-470-R,O-470-S,O-470-T,O-470-U,TSIO-470-B,TSIO-470-C,

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			TSIO-470-D,TSIO-520-A,TSIO-520-AE,TSIO-520-AF,TSIO-520-B,TSIO-520-BB,TSIO-520-BE,TSIO-520-C,TSIO-520-CE,TSIO-520-D,TSIO-520-DB,TSIO-520-E,TSIO-520-EB,TSIO-520-G,TSIO-520-H,TSIO-520-J,TSIO-520-JB,TSIO-520-K,TSIO-520-KB,TSIO-520-L,TSIO-520-LB,TSIO-520-M,TSIO-520-N,TSIO-520-NB,TSIO-520-P,TSIO-520-R,TSIO-520-T,TSIO-520-U,TSIO-520-UB,TSIO-520-VB,TSIO-520-WB,TSIO-550-A,TSIO-550-B,TSIO-550-C,TSIO-550-E,TSIO-550-G,TSIO-550-K,TSIOF-550-D,TSIOF-550-J,TSIOF-550-K,TSIOL-550-A,TSIOL-550-C
2023-03-01		Airbus Helicopters Deutschland GmbH	BO-105A,BO-105C,BO-105S,BO-105LS A-1,BO-105LS A-3,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,MBB-BK 117 C-1,MBB-BK 117 C-2,MBB-BK 117 D-2
2023-03-10		Schempp-Hirth Flugzeugbau GmbH	Duo-Discus,Duo Discus T
Biweekly 2023-05			
2023-01-07		GE Aviation Czech s.r.o.	H75-100,H75-200,H80,H80-100,H80-200,H85-100,H85-200
2023-02-17		Textron Aviation Inc.	210N,210R,P210N,P210R,T210N,T210R,177,177A,177B,177RG,F177RG
2023-03-02		Pratt & Whitney Canada Corp.	PT6E-67XP
2023-03-03		Leonardo S.p.a.	AB139,AW139
2023-03-12	R 2004-04-09	Pratt & Whitney Canada Corp.	JT15D-1,JT15D-1A,JT15D-1B
2023-03-13		Airbus Helicopters	AS355E,AS355F,AS355F1,AS355F2,AS355N
2023-04-08		Continental Aerospace Technologies, Inc. (Continental®)	GTSIO-520-C,GTSIO-520-D,GTSIO-520-H,GTSIO-520-K,GTSIO-520-L,GTSIO-520-M,GTSIO-520-N,GTSIO-520-S,IO-360-A,IO-360-AB,IO-360-AF,IO-360-C,IO-360-CB,IO-360-D,IO-360-DB,IO-360-E,IO-360-ES,IO-360-G,IO-360-GB,IO-360-H,IO-360-HB,IO-360-J,IO-360-JB,IO-360-K,IO-360-KB,IO-470-D,IO-470-E,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-T,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-M,IO-520-MB,IO-550-A,IO-550-B,IO-550-C,IO-550-D,IO-550-E,IO-550-F,IO-550-G,IO-550-L,IO-550-N,IO-550-P,IO-550-R,LTSIO-360-E,LTSIO-360-EB,LTSIO-360-KB,LTSIO-360-RB,LTSIO-520-AE,O-470-A,O-470-B,O-470-E,O-470-G,O-470-H,O-470-J,O-470-K,O-470-L,O-470-M,O-470-N,O-470-R,O-470-S,O-470-T,O-470-U,TSIO-360-A,TSIO-360-AB,TSIO-360-B,TSIO-360-BB,TSIO-360-C,TSIO-360-CB,TSIO-360-D,TSIO-360-DB,

SMALL AIRCRAFT

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			TSIO-360-E,TSIO-360-EB,TSIO-360-G,TSIO-360-GB,TSIO-360-H,TSIO-360-HB,TSIO-360-JB,TSIO-360-KB,TSIO-360-LB,TSIO-360-MB,TSIO-360-RB,TSIO-360-SB,TSIO-520-A,TSIO-520-AE,TSIO-520-AF,TSIO-520-B,TSIO-520-BB,TSIO-520-BE,TSIO-520-C,TSIO-520-CE,TSIO-520-D,TSIO-520-DB,TSIO-520-E,TSIO-520-EB,TSIO-520-G,TSIO-520-H,TSIO-520-J,TSIO-520-JB,TSIO-520-K,TSIO-520-KB,TSIO-520-L,TSIO-520-LB,TSIO-520-M,TSIO-520-NB,TSIO-520-P,TSIO-520-R,TSIO-520-T,TSIO-520-UB,TSIO-520-VB,TSIO-520-WB,TSIO-550-A,TSIO-550-B,TSIO-550-C,TSIO-550-E,TSIO-550-G,TSIO-550-K,TSIO-550-N,TSIOF-550-K,TSIOL-550-A,TSIOL-550-B,TSIOL-550-C
Biweekly 2023-06			
2023-03-14		Schempp-Hirth Flugzeugbau GmbH	Duo-Discus,Duo Discus T
2023-03-22	R 2015-09-04 R1	DG Flugzeugbau GmbH,Schempp-Hirth Flugzeugbau GmbH	DG-1000T,Duo Discus T
2023-04-20		Cirrus Design Corporation	SF50
Biweekly 2023-07			
2023-05-03	R 2022-14-14	Alexander Schleicher GmbH & Co. Segelflugzeugbau	ASW -15,ASW-15B
2023-05-09		Airbus Helicopters Deutschland GmbH	EC135P3,EC135T3,MBB-BK 117 D-2,MBB-BK 117 D-3
2023-05-16	R 2023-04-08	Continental Aerospace Technologies Inc.	GTSIO-520-C,GTSIO-520-D,GTSIO-520-H,GTSIO-520-K,GTSIO-520-L,GTSIO-520-M,GTSIO-520-N,GTSIO-520-S,IO-360-A,IO-360-AB,IO-360-AF,IO-360-C,IO-360-CB,IO-360-D,IO-360-DB,IO-360-E,IO-360-ES,IO-360-G,IO-360-GB,IO-360-H,IO-360-HB,IO-360-J,IO-360-JB,IO-360-K,IO-360-KB,IO-470-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-LO,IO-470-M,IO-470-N,IO-470-P,IO-470-R,IO-470-S,IO-470-T,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-M,IO-520-MB,IO-550-A,IO-550-B,IO-550-C,IO-550-D,IO-550-E,IO-550-F,IO-550-G,IO-550-L,IO-550-N,IO-550-P,IO-550-R,LTSIO-360-E,LTSIO-360-EB,LTSIO-360-KB,LTSIO-360-RB,LTSIO-520-AE,O-470-A,O-470-B,O-470-E,O-470-G,O-470-H,O-470-J,O-470-K,O-470-L,O-470-M,O-470-N,O-470-R,O-470-S,O-470-T,O-470-U,TSIO-360-A,TSIO-360-AB,TSIO-360-B,TSIO-360-BB,TSIO-360-C,TSIO-360-CB,TSIO-360-D,TSIO-360-DB,TSIO-360-E,TSIO-360-EB,TSIO-360-F,TSIO-360-FB,TSIO-360-G,TSIO-360-

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			GB,TSIO-360-H,TSIO-360-HB,TSIO-360-JB,TSIO-360-KB,TSIO-360-LB,TSIO-360-MB,TSIO-360-RB,TSIO-360-SB,TSIO-520-A,TSIO-520-AE,TSIO-520-AF,TSIO-520-B,TSIO-520-BB,TSIO-520-BE,TSIO-520-C,TSIO-520-CE,TSIO-520-D,TSIO-520-DB,TSIO-520-E,TSIO-520-EB,TSIO-520-G,TSIO-520-H,TSIO-520-J,TSIO-520-JB,TSIO-520-K,TSIO-520-KB,TSIO-520-L,TSIO-520-LB,TSIO-520-M,TSIO-520-NB,TSIO-520-P,TSIO-520-R,TSIO-520-T,TSIO-520-UB,TSIO-520-VB,TSIO-520-WB,TSIO-550-A,TSIO-550-B,TSIO-550-C,TSIO-550-E,TSIO-550-G,TSIO-550-K,TSIO-550-N,TSIOF-550-K,TSIOL-550-A,TSIOL-550-B,TSIOL-550-C
2023-06-11		Viking Air Limited	DHC-2 Mk.I
Biweekly 2023-08			
2023-07-51	E	Leonardo S.p.a.	AB139,AW139
Biweekly 2023-09			
2023-06-05		Bell Textron Canada Limited	206A,206A-1 (OH-58A),206B,206B-1,206L,206L-1,206L-3,206L-4
2023-07-08		Pilatus Aircraft Ltd.	PC-12/47E
Biweekly 2023-10			
2023-06-14		Pratt & Whitney Canada Corp.	PW308A,PW308C
2023-07-03		Leonardo S.p.a.	AB412,AB412 EP
Biweekly 2023-11			
2023-08-06	A 2020-20-08	Airbus Helicopters	AS332C,AS332C1,AS332L,AS332L1,AS332L2,EC225LP
2023-08-07		Allied Ag Cat Productions Inc.	G-164A,G-164B
Biweekly 2023-12			
2023-09-07	R 2022–02–01	Sikorsky Aircraft Corporation	S-92A
2023-09-12		Pilatus Aircraft Ltd.	PC-12,PC-12/45,PC-12/47,PC-12/47E
2023-10-02	R 2021–23–12	The Boeing Company,Airbus SAS,Bombardier Inc.,Embraer S.A.,Gulfstream Aerospace Corporation,Gulfstream Aerospace LP,Textron Aviation Inc.,Pilatus Aircraft Limited,Fokker Services B.V.,Saab AB Support and Services,De Havilland Aircraft of Canada Limited,Airbus Canada Limited Partnership,ATR - GIE Avions de Transport Régional,MHI RJ Aviation ULC,BAE Systems (Operations) Limited,Lockheed Martin Corporation,Lockheed Martin Aeronautics Company,Viking Air Limited,Dassault Aviation	18,23,35,36,50,58,60,65,70,76,77,95,99,100,111,120,140,150,152,170,172,175,177,180,182,185,188,190,195,200,206,207,208,210,300,314,320,321,335,336,337,340,382,390,400,401,402,404,406,408,411,414,421,425,441,500,501,510,525,550,551,552,560,650,680,700,750,1900,2000,4000,1049-54,1049B-55 (Navy R7V-1),1049C-55,1049D-55,1049E-55,1049F-55 (USAF C-121C),1049H-82,1049G-82,1125 Westwind Astra,1329-23A,1329-23E,1329-25,1329-23D,150A,150B,150C,150D,150E,150F,150G,150H,150J,150K,150M,150L,

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170A,170B,172A,172B,172C,172D,172E,172G,172F (USAF T-41A),172H (USAF T-41A),172I,172K,172L,172M,172N,172P,172Q,172R,172RG,172S,175A,175B,175C,177A,177B,180A,180B,180C,180D,180F,180E,180G,180H,180J,180K,182A,182B,182C,182D,182E,182F,182G,182H,182J,182K,182L,182M,182N,182P,182Q,182R,182S,182T,185A,185B,185C,185D,185E,188A,188B,188C,18D,18S (Army C-45C),1900C,1900C (C-12J),1900D,195B,19A,200C,200CT,200T,206H,207A,210-5 (205),210-5A (205A),210A,210B,210C,210D,210E,210F,210G,210H,210J,210K,210L,210M,210N,210R,300LW,320-1,320A,320B,320C,320D,320E,320F,337A,337B,337C,337D,337E,337F,337G,337H,340A,35-33,35-A33,35-B33,35-C33,35-C33A,35R,382B,382E,382G,382J,382F,3N,3NM,400A,400T,401A,401B,402A,402B,402C,411A,414A,421A,421B,421C,49-46,525A,525B,525C,560XL,56TC,58A,58P,58PA,58TCA,58TC,649-79,649A-79,65-80,65-88,65-90,65-A80,65-A80-8800,65-A90,65-A90-1,65-A90-2,65-A90-3,65-A90-4,65-B80,680A,707-100 Long Body,707-100B Long Body,707-200,707-300 Series,707-300C Series,707-400 Series,707-100B Short Body,707-300B Series,717-200,720 Series,727 Series,727-100C Series,727-200 Series,727-200F Series,727-100 Series,727C Series,737-100 Series,737-200 Series,737-200C Series,737-300 Series,737-400 Series,737-500 Series,737-600 Series,737-700 Series,737-700C Series,737-800 Series,737-900 Series,737-900ER Series,737-8200,737-8,737-9,747-100 Series,747-100B Series,747-100B SUD Series,747-200B Series,747-200C Series,747-200F Series,747-300 Series,747-400 Series,747-400D Series,747-400F Series,747SP Series,747SR Series,747-8 Series,747-8F Series,749-79,749A-79,75 (Army PT-13),757-200 Series,757-200CB Series,757-200PF Series,757-300 Series,767-2C Series,767-200 Series,767-300 Series,767-300F Series,767-400ER Series,777-200 Series,777-200LR Series,777-300 Series,777-300ER Series,777F Series,787-8,787-9,787-10,80-A,95-55,95-A55,95-B55,95-B55A,95-B55B,95-C55,95-C55A,99A,A100,A100-1 (U-21J),A100A,A100C,A150K,A150L,A150M,A152,A185E,A185F,A188,A188B,A188A,A18A,A18D,A200 (C-12A),A200 (C-

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12C),A200C (UC-12B),A200CT (C-12D),A200CT (C-12F),A200CT (FWC-12D),A200CT (RC-12D),A200CT (RC-12G),A200CT (RC-12H),A200CT (RC-12K),A200CT (RC-12P),A200CT (RC-12Q),A23,A23-19,A23A,A23-24,A24,A24R,A300 B2-1A,A300 B2-1C,A300 B2-203,A300 B2K-3C,A300 B4-2C,A300 B4-103,A300 B4-203,A300 B4-601,A300 B4-603,A300 B4-605R,A300 B4-620,A300 B4-622,A300 B4-622R,A300 C4-605R Variant F,A300 F4-605R,A300 F4-622R,A310-203,A310-204,A310-221,A310-222,A310-304,A310-322,A310-324,A310-325,A-314,A318-111,A318-112,A318-121,A318-122,A319-111,A319-112,A319-113,A319-114,A319-115,A319-131,A319-132,A319-133,A319-151N,A319-153N,A319-171N,A320-211,A320-212,A320-214,A320-216,A320-231,A320-232,A320-233,A320-251N,A320-252N,A320-253N,A320-271N,A320-272N,A320-273N,A321-111,A321-112,A321-131,A321-211,A321-212,A321-213,A321-231,A321-232,A321-251N,A321-251NX,A321-252N,A321-252NX,A321-253N,A321-253NX,A321-271N,A321-271NX,A321-272N,A321-272NX,A330-201,A330-202,A330-203,A330-223,A330-223F,A330-243,A330-243F,A330-301,A330-302,A330-303,A330-321,A330-322,A330-323,A330-341,A330-342,A330-343,A330-841,A330-941,A340-211,A340-212,A340-213,A340-311,A340-312,A340-313,A340-541,A340-642,A35,A350-941,A350-1041,A36,A36TC,A380-841,A380-842,A380-861,A45 (Military T-34A; B-45),A56TC,A65,A65-8200,A75 (Army PT-13A; -13B; -13C),A75J1 (Army PT-18),A75L3,A75L300,A75N1 (Army PT-17; -17A; Navy N2S-1; -4),A99,A99A,Army AT-11,Astra SPX,AT-6 (SNJ-2),AT-6A (SNJ-3),AT-6B,AT-6C (SNJ-4),AT-6D (SNJ-5),AT-6F (SNJ-6),ATR42-200,ATR42-300,ATR42-320,ATR42-500,ATR72-101,ATR72-102,ATR72-201,ATR72-202,ATR72-211,ATR72-212,ATR72-212A,Avro 146-RJ70A,Avro 146-RJ85A,Avro 146-RJ100A,B100,B19,B200,B200C,B200C (C-12F),B200C (C-12R),B200C (UC-12F),B200C (UC-12M),B200CGT,B200CT,B200GT,B200T,B23,B24R,B300,B300C,B300C (MC-12W),B300C (UC-12W),B35,B36TC,B50,B60,B75 (Navy N2S-5),B95,B95A,B99,BAC 1-11 400 Series,BAC 1-11 200 Series,BAe 146-100A,BAe 146-200A,BAe 146-300A,BAe.125 Series 800A,BAe.125 Series 800A (C-29A),BAe.125 Series 800A

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AD No.	Information	Manufacturer	Applicability

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(U-125),BAe.125 Series 800B,BAe.125 Series 1000A,BAe.125 Series 1000B,BC-1A,BD-500-1A10,BD-500-1A11,BD-700-1A10,BD-700-1A11,BD-700-2A12,Beagle B.121 Series 1,Beagle B.121 Series 2,Beagle B.121 Series 3,BH.125 Series 400A,BH.125 Series 600A,C23,C24R,C35,C-45G,C-45H,C50,C54-DC,C54A-DC,C54B-DC,C54D-DC,C54G-DC,C54E-DC,C90,C90A,C90GT,C90GTi,C99,CL-215-1A10,CL-215-6B11 (CL-215T Variant),CL-215-6B11 (CL-415 Variant),CL-44J,CL-600-1A11 (CL-600),CL-600-2A12 (CL-601),CL-600-2B16 (CL-601-3A),CL-600-2B16 (CL-601-3R),CL-600-2B16 (CL-604),CL-600-2B19 (Regional Jet Series 100),CL-600-2B19 (Regional Jet Series 440),CL-600-2C10 (Regional Jet Series 700),CL-600-2C10 (Regional Jet Series 701),CL-600-2C10 (Regional Jet Series 702),CL-600-2C11 (Regional Jet Series 550),CL-600-2D15 (Regional Jet Series 705),CL-600-2D24 (Regional Jet Series 900),CL-600-2E25 (Regional Jet Series 1000),D18C,D18S,D35,D45 (Military T-34B),D50,D50A,D50B,D50C,D50E,D50E-5990,D55,D55A,D75N1 (Army PT-27),D95A,DC-10-10,DC-10-10F,DC-10-15,DC-10-30,DC-10-30F (KC-10A KDC-10),DC-10-40F,DC-10-40,DC3A-S1C3G,DC3A-S1CG,DC3A-S4C4G,DC3A-SC3G,DC3A-SCG,DC3C-R-1830-90C,DC3C-S1C3G,DC3C-SC3G,DC3C-S4C4G,DC3D-R-1830-90C,DC3-G102,DC3-G102A,DC3-G103A,DC3-G202A,DC-4,DC-6B,DC-7B,DC-7C,DC-6,DC-6A,DC-7,DC-8-11,DC-8-12,DC-8-21,DC-8-31,DC-8-32,DC-8-33,DC-8-41,DC-8-42,DC-8-43,DC-8-51,DC-8-52,DC-8-53,DC-8-55,DC-8-61,DC-8-61F,DC-8-62,DC-8-62F,DC-8-63,DC-8-63F,DC-8-71,DC-8-71F,DC-8-72,DC-8-72F,DC-8-73,DC-8-73F,DC-8F-54,DC-8F-55,DC-9-11,DC-9-12,DC-9-13,DC-9-14,DC-9-15,DC-9-15F,DC-9-21,DC-9-31,DC-9-32,DC-9-32 (VC-9C),DC-9-32F,DC-9-32F (C-9A),DC-9-32F (C-9B),DC-9-33F,DC-9-34,DC-9-34F,DC-9-41,DC-9-51,DC-9-81 (MD-81),DC-9-82 (MD-82),DC-9-83 (MD-83),DC-9-87 (MD-87),DH.125 Series 1A,DH.125 Series 1A-522,DH.125 Series 1A/R-522,DH.125 Series 1A/S-522,DH.125 Series 3A,DH.125 Series 3A/R,DH.125 Series 3A/RA,DH.125 Series 400A,DHC-2 Mk.I,DHC-2 Mk.II,DHC-2 Mk.III,DHC-4,DHC-4A,DHC-6-1,DHC-6-100,DHC-6-200,DHC-6-300,DHC-6-400,DHC-7-1,DHC-7-100,DHC-7-101,DHC-7-102,DHC-7-103,E17B (Army

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AD No.	Information	Manufacturer	Applicability

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

UC-43D),E17L,E18S,E18S-9700,E310H,E310J,E33,E33A,E33C,E35,E50,E55,E55A,E75 (Army PT-13D; Navy N2S-5; PT-13D/N2S-5),E75N1 (Army PT-13D; Navy N2S-5; PT-13D/N2S-5),E90,E95,EMB-110P1,EMB-110P2,EMB-120,EMB-120FC,EMB-120QC,EMB-120RT,EMB-120ER,EMB-135,EMB-135BJ (Legacy 600),EMB-135BJ (Legacy 650),EMB-135BJ,EMB-135ER,EMB-135KE,EMB-135KL,EMB-135LR,EMB-145EP,EMB-145ER,EMB-145LR,EMB-145MP,EMB-145MR,EMB-145XR,EMB-500,EMB-505,EMB-545,EMB-550,ERJ 170-100 LR,ERJ 170-100 SE,ERJ 170-100 STD,ERJ 170-100 SU,ERJ 170-200 LL,ERJ 170-200 LR,ERJ 170-200 STD,ERJ 170-200 SU,ERJ 190-100 ECJ,ERJ 190-100 IGW,ERJ 190-100 LR,ERJ 190-100 STD,ERJ 190-200 IGW,ERJ 190-200 LR,ERJ 190-200 STD,ERJ 190-300,ERJ 190-400,F150F,F150G,F150H,F150J,F150K,F150L,F150M,F152,F172D,F172E,F172F,F172G,F172H,F172K,F172L,F172M,F172N,F172P,F17D (UC-43C),F27 Mark 050,F27 Mark 100,F27 Mark 200,F27 Mark 300,F27 Mark 400,F27 Mark 500,F27 Mark 600,F27 Mark 700,F28 Mark 0070,F28 Mark 0100,F28 Mark 1000,F28 Mark 2000,F28 Mark 3000,F28 Mark 4000,F33,F33A,F33C,F337E,F337F,F337G,F337H,F35,F50,FA150K,FA150L,FA150M,FA152,Falcon 7X,Falcon 900EX,FALCON 2000,FALCON 2000EX,Falcon 10,Fan Jet Falcon,Fan Jet Falcon Series C,Fan Jet Falcon Series D,Fan Jet Falcon Series E,Fan Jet Falcon Series F,Fan Jet Falcon Series G,FP172D,FR172E,FR172F,FR172G,FR172H,FR172J,FR172K,FRA150L,FRA150M,FT337E,FT337F,FT337GP,FT337HP,G-1159,G-1159A,G-1159B,G18S,G33,G50,G58,G-IV,GIV-X,Gulfstream 100,Gulfstream 200,GV,GV-SP,GVI,GVII-G500,GVII-G600,H18,H35,H50,H90,Hawker 750,Hawker 800,Hawker 800 (U-125A),Hawker 800XP,Hawker 850XP,Hawker 900XP,Hawker 1000,HS 748 Series 2A,HS 748 Series 2B,HS.125 Series 1B,HS.125 Series 1B-522,HS.125 Series 1B/R-522,HS.125 Series 1B/S-522,HS.125 Series 3B,HS.125 Series 3B/R,HS.125 Series 3B/RA,HS.125 Series 3B/RB,HS.125 Series 3B/RC,HS.125 Series 400A,HS.125 Series 400B,HS.125 Series 400B/1,HS.125 Series 401B,HS.125 Series 403A(C),HS.125 Series 403B,HS.125 Series 600A,HS.125 Series 600B,HS.125 Series 600B/1,HS.125 Series

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AD No.	Information	Manufacturer	Applicability

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

			600B/2,HS.125 Series 600B/3,HS.125 Series 700A,HS.125 Series 700B,HS.125 Series F3B,HS.125 Series F3B/RA,HS.125 Series F400B,HS.125 Series F403B,HS.125 Series F600B,IB75A,J35,JRB-6,K35,L-1011-385-1,L-1011-385-1-14,L-1011-385-1-15,L-1011-385-3,LC40-550FG,LC40-550G,LC41-550FG,M19A,M337B,M35,MD-10-10F,MD-10-30F,MD-11,MD-11F,MD-88,MD-90-30,MU-300-10,MU-300,Mystere-Falcon 20 - C5,Mystere-Falcon 20 - D5,Mystere-Falcon 20 - E5,Mystere-Falcon 20 - F5,Mystere-Falcon 50,Mystere-Falcon 200,Mystere-Falcon 900,N35,Navy R6D-1,Navy R6D-1Z,P172D,P206,P206A,P206B,P206C,P206D,P206E,P210N,P210R,P337H,P35,R172E,R172F,R172G,R172H,R172J,R172K,R182,R4D-8,R4D-8Z,RC-45J,S18A,S18D,S35,SA18A,SA18D,SA-307B,SA-307B-1,SAAB 340B,340A (SAAB SF340A),SAAB 2000,SC-7 Skyvan Series 2,SC-7 Skyvan Series 3,SD17S,SD3-30,SD3-60,SD3-60 SHERPA,SD3-SHERPA,Super DC-3,T182,T182T,T188C,T206H,T207,T207A,T210F,T210G,T210H,T210J,T210K,T210L,T210M,T210N,T210R,T240,T310P,T310Q,T310R,T337B,T337C,T337D,T337E,T337F,T337G,T337H,T337H-SP,T-6G,TC-45G,TC-45H,TC-45J,TP206A,TP206B,TP206C,TP206D,TP206E,TR182,TU206A,TU206B,TU206C,TU206D,TU206E,TU206F,TU206G,U206,U206A,U206B,U206C,U206D,U206E,U206F,U206G,UC-45J,USAF C-118A,V35,V35A,V35B,12-B,140A,149-46,1649A-98,177RG,18A,195A,203-B,208B,247-D (Army C-73),300-50A-01 (USAF C-141A),3TM,402-2,45 (Military YT-34),720B Series,80-A1,99A (FACH),A60,ATP,B18S (Army F-2),B75N1 (Navy N2S-3),B90,BD-100-1A10 (Challenger 300),C18S,CL-44D4,D17A (Army UC-43F),D17R (Army UC-43A),D17S,DHC-3,Electra 10-E,F177RG,F90,FR182,G-159,G17S,G35,G36,Galaxy,Gulfstream G150,Gulfstream G280,HU-16D,J50,Jetstream Model 4101,LC42-550FG,NA-260,Navy SNB-1,O-47B,PC-24,S-307,S550,SE17B,SF17D,SNJ-7,Super Universal,T303,T-34C,TR-1
2023-10-05	R 2023–07–51	Leonardo S.p.a.	AB139,AW139
2023-11-03		Honda Aircraft Company LLC	HA-420
Biweekly 2023-13			
2023-09-09		Aerostar Aircraft Corporation,B-N Group Ltd.,Commander Aircraft	PA-60-600 (Aerostar 600),PA-60-601 (Aerostar 601),PA-60-601P (Aerostar

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AD No.	Information	Manufacturer	Applicability

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		Corporation,Cirrus Design Corporation,Continental Aerospace Technologies Inc.,Costruzioni Aeronautiche Tecnam S.P.A.,Daher Aerospace,Diamond Aircraft Industries Inc,The Enstrom Helicopter Corporation,Helio Aircraft LLC,Helio Alaska Inc.,The King's Engineering Fellowship,Lycoming Engines,Maule Aerospace Technology Inc.,Merlyn Products Inc,Mooney International Corporation,Piper Aircraft Inc.,Revo Incorporated,Scotts-Bell 47 Inc,Siam Hiller Holdings Inc.,SST FLUGTECHNIK GmbH,Textron Aviation Inc.,Triton Aerospace LLC,Twin Commander Aircraft LLC,Vulcanair S.p.A.	601P),PA-60-602P (Aerostar 602P),PA-60-700P (Aerostar 700P),BN-2,BN-2A,BN-2A-6,BN-2A-8,BN-2A-9,112TC,112TCA,114TC,SR22,SR22T,LTSIO-360-E,LTSIO-360-EB,LTSIO-360-KB,LTSIO-360-RB,TSIO-360-E,TSIO-360-EB,TSIO-360-F,TSIO-360-FB,TSIO-360-KB,TSIO-360-LB,TSIO-360-MB,TSIO-360-RB,TSIO-360-SB,TSIO-520-BE,TSIO-520-L,TSIO-520-LB,TSIO-520-T,TSIO-520-WB,TSIO-550-A,TSIO-550-B,TSIO-550-C,TSIO-550-E,TSIO-550-G,TSIO-550-J,TSIO-550-K,TSIO-550-N,TSIOF-550-D,TSIOF-550-J,IO-520-B,IO-520-BA,IO-520-BB,IO-520-D,IO-550-B,IO-550-E,IO-550-N,P2012 Traveller,TB 21,DA 40,F-28C,F-28C-2,F-28C-2R,F-28F,F-28F-R,280C,280F,280FX,500,H-295 (USAF U10D),H-395 (USAF L-28A or U-10B),4500-300,4500-300 Series II,IO-540-AA1A5,IO-540-AG1A5,IO-540-S1A5,TIO-540-AE2A,TIO-540-AH1A,LTIO-540-J2BD,TO-360-C1A6D,TO-360-E1A6D,LTO-360-A1A6D,LTO-360-E1A6D,TIO-540-J2BD,M-5-210TC,IO-540-MX1,M20J,M20K,M20M,M20TN,M20V,PA-23,PA-23-160,PA-23-235,PA-23-250,PA-23-250 (Navy UO-1),PA-E23-250,PA-24-250,PA-24-260,PA-24-400,PA-28-201T,PA-28R-201T,PA-28RT-201T,PA-30,PA-31,PA-31-325,PA-31-350,PA-31P,PA-31P-350,PA-32-260,PA-32R-300,PA-32RT-300T,PA-32R-301 (SP),PA-32-301T,PA-32R-301T,PA-34-200,PA-34-200T,PA-34-220T,PA-39,PA-44-180T,PA-46-310P,PA-46-350P,Lake LA-4,Lake LA-4A,Lake LA-4-200,Lake 250,47G-3B,47G-3B-1,47G-3B-2,47G-3B-2A,UH-12L,UH-12L4,EA 400-500,35-33,35-A33,35-B33,35-C33,35-C33A,E33,E33A,E33C,F33,F33A,F33C,H35,J35,K35,M35,N35,P35,S35,V35,V35A,V35B,36,A36,A36TC,B36TC,D55,E55,56TC,A56TC,58,G58,60,A60,B60,95,95-C55,B95,B95A,D95A,E95,185,185A,185B,185C,185D,185E,A185E,A185F,A188,A188A,A188B,T182,T182T,TR182,T188C,206,P206A,P206,P206B,P206C,P206D,P206E,T206H,TP206A,TP206B,TP206C,TP206D,TP206E,TU206A,TU206B,TU206C,TU206D,TU206E,TU206F,TU206G,U206,U206A,U206B,U206C,U206D,U206E,U206F,U206G,T207,T207A,210,210A,210B,210C,210-5 (205),210-5A (205A),P210N,T210G,T210H,T210J,T210K,T210L,T210M,T210N,T240,T303,310,310B,310C,310D,310E,310F,310G,310H,310I,310J,T310P,T310Q,T310R,320,320A,320B,320C,320D,320E,320F,320-

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AD No.	Information	Manufacturer	Applicability

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

			1,321,335,340,340A,LC40-550FG,LC41-550FG,LC42-550FG,FT337E,FT337F,FT337GP,FT337HP,P337H,T337B,T337C,T337D,T337E,T337F,T337G,T337H,T337H-SP,401,401A,401B,402,402A,402B,402C,404,411,411A,414,414A,421,421A,421B,421C,A500,500-A,500-B,500-S,500-U,560-A,560-E,685,P.68C-TC,P.68TC Observer,EA-400
2023-11-05	R 2021-10-28	Pilatus Aircraft Ltd.	PC-24
2023-11-12		DAHER AEROSPACE	TBM 700
Biweekly 2023-14			
2023-11-07	R 2021-23-13	Airbus Helicopters,Airbus Helicopters Deutschland GmbH,Air Space Design and Manufacturing LLC,Bell Textron Canada Limited,Bell Textron Inc.,Brantly International Inc.,Centerpointe Aerospace Inc.,Columbia Helicopters Inc.,The Enstrom Helicopter Corporation,Erickson Air-Crane Incorporated DBA Erickson Air-Crane,Erickson Incorporated DBA Erickson Air-Crane,Hélicoptères Guimbal,Siam Hiller Holdings Inc.,Kaman Aerospace Corporation,Leonardo S.p.a.,MD Helicopters Inc.,PZL-Swidnik S.A.,Robinson Helicopter Company,Schweizer RSG LLC,Scotts-Bell 47 Inc,Sikorsky Aircraft Corporation	47,206,210,212,222,230,234,280,305,369,407,412,427,429,430,480,505,1100,107-II,204B,205A,205A-1,205B,206A,206A-1,206A-1 (OH-58A),206B,206B-1,206L,206L-1,206L-3,206L-4,222B,222U,269A,269A-1,269B,269C,269C-1,269D,280C,280F,280FX,369A,369D,369E,369F,369FF,369H,369HE,369HM,369HS,412CF,412EP,47B,47B3,47D,47D1,47E,47G,47G-2,47G-2A,47G-2A-1,47G-3,47G-3B,47G-3B-1,47G-3B-2,47G-3B-2A,47G-4,47G-4A,47G-5,47G-5A,47H-1,47J,47J-2,47J-2A,47K,480B,500N,600N,A109,A109A,A109 A II,A109C,A109E,A109K2,A109S,A119,AB139,AB412,AB412 EP,AS332C,AS332C1,AS332L,AS332L1,AS332L2,AS350B,AS350B1,AS350B2,AS350B3,AS350BA,AS350C,AS350D,AS350D1,AS355E,AS355F,AS355F1,AS355F2,AS355N,AS355NP,AS-365N2,AS-365N3,AW109SP,AW119 MKII,AW139,AW169,AW189,B-2,B-2A,B-2B,BO-105A,BO-105C,BO-105LS A-1,BO-105LS A-3,BO-105S,CABRI G2,CH-47D,CH-54A,EC 155B,EC120B,EC130B4,EC130T2,EC155B1,EC225LP,F-28,F-28A,F-28C,F-28C-2,F-28C-2R,F-28F,F-28F-R,FH-1100,K-190A,K-240,K-600,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,MBB-BK 117 C-1,MBB-BK 117 C-2,MBB-BK 117 D-2,MBB-BK 117 D-3,MD900,OH-13E,OH-13H,PZL W-3A,R22,R22 ALPHA,R22 BETA,R22 MARINER,R44,R44 II,R66,S-51,S-52,S-55,S-55B,S-55C,S-58A,S-58B,S-58BT,S-58C,S-58D,S-58DT,S-58E,S-58ET,S-58F,S-58FT,S-58G,S-58H,S-58HT,S-58J,S-58JT,S-61A,S-61D,S-61E,S-61L,S-61N,S-61NM,S-61R,S-61V,S62A,S-64A,S-64E,S-64F,S-70,S-70A,S-70C,S-70C(M),S-70C(M1),S-70M,S-76A,S-76B,S-76C,S-76D,S-92A,SA 3180-Alouette Astazou,SA 318B-Alouette

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AD No.	Information	Manufacturer	Applicability

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			Astazou,SA 318C-Alouette Astazou,SA.315B Alouette III,SA.316B Alouette III,SA.316C Alouette III,SA.319B Alouette III,SA330J,SA341G,SA342J,SA-365C,SA-365C1,SA-365C2,SA-365N,SA-365N1,SA-366G1,SE 313B-Alouette II,SE 3130-Alouette II,SE.3160 Alouette III,TH-1L,TH-28,UH-12,UH-12A,UH-12B,UH-12C,UH-12E,UH-12E-L,UH-12L,UH-12L4,UH-1E,UH-1L,K-225
2023-13-51	E	Airbus Helicopters	SA341G,SA342J
Biweekly 2023-15			
2023-12-04		Pilatus Aircraft Ltd.	PC-24
2023-12-17	R 2022-19-03	Pilatus Aircraft Ltd.	PC-12,PC-12/47,PC-12/45,PC-12/47E
2023-12-24		GE Aviation Czech s.r.o.	M601E-11AS,M601E-11S,H75-100,H80-100, H85-100
2023-12-26	R 2021–24–04	Bell Textron Canada Limited	505
2023-13-14	2023-01-12	Safran Helicopter Engines S.A.	Arriel 1C,Arriel 1C1,Arriel 1C2,Arriel 1K1
Biweekly 2023-16			
2023-13-08	R 2021–05–03	Airbus Helicopters	EC225LP
2023-13-51	R 2022-19-08	Airbus Helicopters	SA341G,SA342J
Biweekly 2023-17			
2023-14-06		Airbus Helicopters	EC120B,EC130B4,EC130T2
2023-14-07		Airbus Helicopters	EC155B1
2023-15-03		Safran Helicopter Engines S.A.	Arrius 2B2
2023-15-07		Air Tractor Inc.	AT-802,AT-802A
Biweekly 2023-18			
2023-15-06		Pilatus Aircraft Ltd.	PC-24
2023-16-04		Piaggio Aviation S.p.A	P-180
2023-17-51	E	Bell Textron Canada Limited	407
Biweekly 2023-19			
2023-17-05		Schempp-Hirth Flugzeugbau GmbH	Ventus-2a and Ventus-2b
2023-17-09		Cameron Balloons Ltd., Aerostar International, Ballonbau Worner GmbH, Balony Kubicek spol s.r.o., Eagle Balloons Corp., JR Aerosports Ltd., Lindstrand Balloons Ltd., and Michael D. McGrath	Fuel Cylinders
2023-17-13		BRP-Rotax GmbH & Co KG	912 F2, 912 F3, 912 F4, 912 iSc2 Sport, 912 iSc3 Sport, 912 S2, 912 S3, 912 S4, 914 F2, 914 F3, and 914 F4 engines; and Model 912 A, 912 A2, and 912 A3 engines installed on aircraft Aeromot-Industria Mecanico-Metalurgica Ltda AMT–200 (Super Ximango), Diamond Aircraft Industries HK 36 R "SUPER DIMONA", Diamond Aircraft Industries GmbH HK 36 TC & HK 36 TS, Diamond Aircraft Industries Inc. DA20–A1, HOAC-Austria DV 20 KATANA, Magnaghi Aeronautica S.p.A Sky Arrow 650 TC, and SCHEIBE–AIRCRAFT–GMBH SF 25C

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AD No.	Information	Manufacturer	Applicability

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

2023-17-51	Bell Textron Canada Limited.	407

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:

2023–17–05 Schempp-Hirth Flugzeugbau GmbH: Amendment 39–22531; Docket No. FAA–2023–1054; Project Identifier MCAI–2022–01513–G.

(a) Effective Date

This airworthiness directive (AD) is effective October 12, 2023.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Schempp-Hirth Flugzeugbau GmbH (Schempp-Hirth) Model Ventus-2a and Ventus-2b gliders, all serial numbers, certificated in any category.

(d) Subject

Joint Aircraft System Component (JASC) Code 2760, Drag Control System.

(e) Unsafe Condition

This AD is prompted by reports of uncommanded extraction of the airbrakes on one or both wings, possibly resulting in reduced control of the glider. The FAA is issuing this AD to address this condition. The unsafe condition, if not addressed, could result in reduced control of the glider.

(f) Compliance

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

(g) Required Actions

(1) Within 40 days after the effective date of this AD and thereafter at intervals not to exceed 100 hours time-in-service (TIS), do the actions in paragraphs (g)(1)(i) and (ii) of this AD.

(i) Inspect the airbrake bell cranks and airbrake drive funnels for cracking at the welding seams, in accordance with Action paragraphs (1a) and (1b) in Schempp-Hirth Technical Note 349–43, dated August 9, 2022 (Schempp-Hirth TN 349–43).

(ii) Inspect the clearance of the airbrake control system, in accordance with Action paragraph (1c) in Schempp-Hirth TN 349–43; and Action paragraph (1.c) in Schempp-Hirth Working Instruction for Technical Note 349–43 dated August 9, 2022 (Schempp-Hirth Working Instruction TN 349–43). Where Schempp-Hirth Working Instruction TN 349–43 specifies "if in doubt" use plasticine lines, this AD requires using plasticine lines.

Note 1 to paragraph (g)(1): This service information contains German to English translation. The European Union Aviation Safety Agency (EASA) used the English translation in referencing the document from Schempp-Hirth. For enforceability purposes, the FAA will refer to the Schempp-Hirth service information in English as it appears on the document.

(2) If, during any inspection required by paragraph (g)(1)(i) of this AD, any cracking at the welding seams is detected, before next flight, do the applicable corrective actions in accordance with Action paragraph(s) (2a), (2b), (2c), and (2d), in Schempp-Hirth TN 349–43; and Action paragraph(s) (2.a), (2.b), (2.c), and (2.d), in Schempp-Hirth Working Instruction TN 349–43. Where Schempp-Hirth Working Instruction TN 349–43 specifies to purchase a new mounting plate with a reinforced airbrake bell crank installed from the manufacturer or its international representative, this AD does not specify the source from which new parts should be purchased.

(3) If, during any inspection required by paragraph (g)(1)(ii) of this AD, it is determined that there is interference among the components of the airbrake control system and adjustments to the airbrake control system are needed, do those adjustments in accordance with a method approved by the FAA; EASA; or Schempp-Hirth's EASA Design Organization Approval (DOA). If approved by the DOA, the approval must include the DOA-authorized signature.

(4) Unless already accomplished as required by paragraph (g)(2) of this AD, within 12 months after the effective date of this AD, replace the airbrake bell cranks with reinforced airbrake bell cranks and replace the airbrake drive funnels with reinforced drive funnels, in accordance with Action paragraph (2d) in Schempp-Hirth TN 349–43; and Action paragraph(s) (2.a), (2.b), (2.c), and (2.d), in Schempp-Hirth Working Instruction TN 349–43. Where Schempp-Hirth Working Instruction TN 349–43 specifies to purchase a new mounting plate with a reinforced airbrake bell crank installed from the manufacturer or its international representative, this AD does not specify the source from which new parts should be purchased.

(5) Replacement on a glider of each airbrake bell crank and airbrake drive funnel with a reinforced airbrake bell crank and a reinforced airbrake drive funnel, as required by paragraph (g)(2) or paragraph (g)(4) of this AD, constitutes terminating action for the repetitive inspections required by paragraph (g)(1) of this AD for that glider. The initial inspection is required for all gliders.

(h) Alternative Methods of Compliance (AMOCs)

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, mail it to the address identified in paragraph (i)(2) of this AD or email to: *9-AVS-AIR-730-AMOC@faa.gov*. If mailing

information, also submit information by email. 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) Additional Information

(1) Refer to EASA AD 2022–0229, dated November 28, 2022, for related information. This EASA AD may be found in the AD docket at *regulations.gov* under Docket No. FAA–2023–1054.

(2) For more information about this AD, contact Jim Rutherford, Aviation Safety Engineer, FAA, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; phone: (816) 329–4165; email: *jim.rutherford@faa.gov*.

(j) 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) Schempp-Hirth Flugzeugbau GmbH Technical Note 349–43, dated August 9, 2022.

(ii) Schempp-Hirth Flugzeugbau GmbH Working Instruction for Technical Note 349–43, dated August 9, 2022.

Note 1 to paragraph (j)(2): This service information contains German to English translation. EASA used the English translation in referencing the document from Schempp-Hirth Flugzeugbau GmbH. For enforceability purposes, the FAA will refer to the Schempp-Hirth Flugzeugbau GmbH service information in English as it appears on the document.

(3) For service information identified in this AD, contact Schempp-Hirth Flugzeugbau GmbH, Krebenstrasse 25, Kirchheim unter Teck, Germany; phone: +49 7021 7298–0; email: *info@schempp-hirth.com;* website: *schempp-hirth.com*.

(4) You may view this service information at the 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 17, 2023.

Victor Wicklund,

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

[FR Doc. 2023–19223 Filed 9–6–23; 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:

a. Removing Airworthiness Directive 2022–13–03, Amendment 39–22089 (87 FR 36053, June 15, 2022); and

b. Adding the following new airworthiness directive:

2023–17–09 Cameron Balloons Ltd.: Amendment 39–22535; Docket No. FAA–2023–1806; Project Identifier MCAI–2023–00934–Q.

(a) Effective Date

This airworthiness directive (AD) is effective September 13, 2023.

(b) Affected ADs

This AD replaces AD 2022–13–03, Amendment 39–22089 (87 FR 36053, June 15, 2022).

(c) Applicability

(1) This AD applies to hot air balloons, certificated in any category, equipped with a Cameron Balloons Ltd. fuel cylinder part number (P/N) CB2990/A (the affected fuel cylinder).

(2) The affected fuel cylinder may be installed on hot air balloon models including, but not limited to, those of the following design approval holders:

(i) Aerostar International, Inc.;

(ii) Ballonbau Worner GmbH;

(iii) Balóny Kubíček spol. s.r.o.;

(iv) Cameron Balloons Ltd.;

(v) Eagle Balloons Corp.;

(vi) JR Aerosports, Ltd. (type certificate previously held by Sundance Balloons (US));

(vii) Lindstrand Balloons Ltd.; and

(viii) Michael D. McGrath (type certificate subsequently transferred to Andrew Philip Richardson, Adams Aerostats LLC).

(d) Subject

Joint Aircraft System Component (JASC) Code: 2810, Fuel Storage.

(e) Unsafe Condition

This AD was prompted by cracks in the weld between the cylinder valve plate and the upper dished end of Cameron Balloons Ltd. fuel cylinder P/N CB2990/A. The FAA is issuing this AD to prevent uncontrolled fuel leakage of liquid propane. The unsafe condition, if not addressed, could lead to fire or explosion and consequent emergency landing.

(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 affected fuel cylinder from service.

Note 1 to paragraph (g): Cameron Balloons Alert Service Bulletin No. 33, Revision 2, dated June 2023, contains information related to this AD, including reference to a replacement fuel cylinder P/N CB2990–B.

(h) Special Flight Permits

Special flight permits are prohibited.

(i) Alternative Methods of Compliance (AMOCs)

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 (j)(2) of this AD and email to: *9-AVS-AIR-730-AMOC@faa.gov*. If mailing information, also submit information by email. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office.

(j) Additional Information

(1) Refer to United Kingdom (UK) Civil Aviation Authority (CAA) Emergency AD G–2023–0005–E, dated July 31, 2023, for related information. This UK CAA AD may be found in the AD docket at *regulations.gov* under Docket No. FAA–2023–1806.

(2) For more information about this AD, contact Fred Guerin, Aviation Safety Engineer, FAA, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; phone: (206) 231–2346; email: *fred.guerin@faa.gov*.

(3) For service information identified in this AD that is not incorporated by reference, contact Cameron Balloons Ltd., St Johns Street, Bedminster, Bristol, BS3 4NH, United Kingdom; phone: +44 0 117 9637216;
email: *technical@cameronballoons.co.uk;* website: *cameronballoons.co.uk*.

(k) Material Incorporated by Reference

None.

Issued on August 24, 2023.

Victor Wicklund,

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

[FR Doc. 2023–18700 Filed 8–25–23; 11:15 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:

2023–17–13 BRP-Rotax GmbH & Co KG (formerly BRP–POWERTRAIN GMBH & CO KG and Bombardier-Rotax GmbH) and Various Aircraft: Amendment 39–22539; Docket No. FAA–2023–1809; Project Identifier MCAI–2023–00945–E.

(a) Effective Date

This airworthiness directive (AD) is effective September 20, 2023.

(b) Affected ADs

None.

(c) Applicability

This AD applies to BRP-Rotax GmbH & Co KG (formerly BRP–POWERTRAIN GMBH & CO KG and Bombardier-Rotax GmbH) (Rotax) Model 912 F2, 912 F3, 912 F4, 912 iSc2 Sport, 912 iSc3 Sport, 912 S2, 912 S3, 912 S4, 914 F2, 914 F3, and 914 F4 engines; and Model 912 A, 912 A2, and 912 A3 engines installed on the aircraft identified in Table 1 to paragraph (c) of this AD that were included as part of the aircraft's type certification basis; with a propeller shaft having part number (P/N) 937047 and meeting at least one of the criteria of paragraphs (c)(1) or (2) of this AD.

Type certificate holder	Aircraft model	Engine model
Aeromot-Industria Mecanico-Metalurgica Ltda	AMT–200 (Super Ximango)	912 A2.

Type certificate holder	Aircraft model	Engine model
Diamond Aircraft Industries	HK 36 R “SUPER DIMONA”	912 A.
Diamond Aircraft Industries GmbH	HK 36 TC & HK 36 TS	912 A3.
Diamond Aircraft Industries Inc.	DA20–A1	912 A3.
HOAC-Austria	DV 20 KATANA	912 A3.
Magnaghi Aeronautica S.p.A	Sky Arrow 650 TC	912 A2.
SCHEIBE–AIRCRAFT–GMBH	SF 25C	912 A2 or 912 A3.

Table 1 to Paragraph (c) —Airplanes With Affected Engines

(1) Installed initially (on delivery) on engines having a serial number identified in paragraph 1.1) Applicability, Criterion A) Engine Serial number, of Rotax Service Bulletin (SB) SB–912–078/SB–914–059/SB–912 i–014, dated July 25, 2023 (published as a single document) (Rotax SB SB–912–078/SB–914–059/SB–912 i–014); or paragraph 1.1) Applicability, Criterion A) Engine Serial number, of Rotax SB SB–912–078UL/SB–914–059UL/SB–912 i–014iS, dated July 25, 2023 (published as a single document) (SB–912–078UL/SB–914–059UL/SB–912 i–014iS); or

(2) Delivered as a spare part and having a serial number identified in paragraph 1.1) Applicability, Criterion B) Spare parts, of Rotax SB SB–912–078/SB–914–059/SB–912 i–014; or paragraph 1.1) Applicability, Criterion B) Spare parts, of Rotax SB SB–912–078UL/SB–914–059UL/SB–912 i-014iS.

(d) Subject

Joint Aircraft System Component (JASC) Code 8510, Reciprocating Engine Front Section.

(e) Unsafe Condition

This AD was prompted by a report of surface abnormalities on the affected propeller shaft, which could lead to increased wear of the propeller shaft bearings. The FAA is issuing this AD to prevent failure of the propeller shaft bearings. The unsafe condition, if not addressed, could result in failure of the propeller shaft, failure of the engine, engine in-flight shutdown, and (for a single-engine airplane) consequent emergency landing of the airplane or loss of control of the airplane.

(f) Compliance

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

(g) Required Actions

(1) Before further flight after the effective date of this AD and thereafter at intervals not to exceed 10 flight hours (FHs), inspect the magnetic plug on the crankcase for the accumulation of metal chips. If the accumulation of metal chips is 3mm or greater, before further flight, remove the affected propeller shaft from service and replace with a part eligible for installation.

(2) Before exceeding 50 FHs since engine first operation or since first installation of the affected propeller shaft on an engine, as applicable; or within 10 days after the effective date of this AD, whichever occurs later; remove the affected propeller shaft from service and replace with a part eligible for installation.

(3) Replacement of the affected propeller shaft with a part eligible for installation constitutes terminating action for any inspection required by paragraph (g)(1) of this AD.

(h) Installation Prohibition

After the effective date of this AD, do not install a propeller shaft having P/N 937047 on any engine.

(i) No Return of Parts

Where Rotax SB SB–912–078/SB–914–059/SB–912 i-014 specifies returning certain parts to the manufacturer, this AD does not include that requirement.

(j) Definition

For the purpose of this AD, a "part eligible for installation" is any propeller shaft that does not have P/N 937047.

(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 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 (l)(2) of this AD and email 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.

(l) Additional Information

(1) Refer to European Union Aviation Safety Agency (EASA) Emergency AD 2023–0156–E, dated August 2, 2023, for related information. This EASA Emergency AD may be found in the AD docket at *regulations.gov* under Docket No. FAA–2023–1809.

(2) For more information about this AD, contact Barbara Caufield, Aviation Safety Engineer, FAA, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; phone: (781) 238–7146; email: *barbara.caufield@faa.gov*.

(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 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) BRP-Rotax GmbH & Co KG Service Bulletin SB–912–078/SB–914–059/SB–912 i–014, dated July 25, 2023 (published as a single document).

(ii) BRP-Rotax GmbH & Co KG Service Bulletin SB–912–078UL/SB–914–059UL/SB–912 i–014iS, dated July 25, 2023 (published as a single document).

(3) For service information identified in this AD, contact BRP-Rotax GmbH & Co KG, Rotaxstrasse 1, A–4623 Gunskirchen, Austria; phone: +43 7246 601 0; website: *flyrotax.com*.

(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 (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 25, 2023.

Victor Wicklund,

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

[FR Doc. 2023–19162 Filed 8–31–23; 4:15 pm]

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:

2023–17–51 Bell Textron Canada Limited: Amendment 39–22540; Docket No. FAA–2023–1813; Project Identifier MCAI–2023–00980–R.

(a) Effective Date

The FAA issued Emergency Airworthiness Directive (AD) 2023–17–51 on August 18, 2023, directly to affected owners and operators. As a result of such actual notice, the emergency AD was effective for those owners and operators on the date it was provided. This AD contains the same requirements as the emergency AD and, for those who did not receive actual notice, is effective on September 21, 2023.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Bell Textron Canada Limited Model 407 helicopters, certificated in any category.

(d) Subject

Joint Aircraft Service Component (JASC) Code: 6410, Tail Rotor Blades.

(e) Unsafe Condition

This AD was prompted by a report of a disbonded area in a tail rotor (T/R) blade due to missing adhesive between the upper skin and core. The FAA is issuing this AD to detect skin to core voids that exceed allowable limits in affected T/R blades. The unsafe

condition, if not addressed, could result in severe vibration, failure of the T/R blade, and subsequent loss of T/R control.

(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, Transport Canada Emergency AD CF–2023–63, dated August 17, 2023 (Transport Canada AD CF–2023–63).

(h) Exceptions to Transport Canada AD CF–2023–63

(1) Where Transport Canada AD CF–2023–63 refers to its effective date, this AD requires using the effective date of this AD.

(2) Where Transport Canada AD CF–2023–63 requires compliance in terms of hours air time, this AD requires compliance using hours time-in-service.

(3) Where paragraph A.2. of Transport Canada AD CF–2023–63 requires inspecting an affected T/R blade and the service information referenced in paragraph A.2. of Transport Canada AD CF–2023–63 specifies inspecting an affected T/R blade, this AD requires using a steel tap hammer and tap inspecting each affected T/R blade.

(4) Where the service information referenced in Transport Canada AD CF–2023–63 specifies returning parts to the manufacturer, this AD does not include that requirement.

(i) No Reporting Requirement

Although the service information referenced in Transport Canada AD CF–2023–63 specifies to submit certain information to the manufacturer, this AD does not include that requirement.

(j) Special Flight Permits

A special flight permit may be issued in accordance with 14 CFR 21.197 and 21.199 to operate the helicopter to a location where the tap inspection can be performed, provided no passengers are 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 39.19. In accordance with 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, mail it to the address identified in paragraph (l) of this AD or email to: *9-AVS-AIR-730-AMOC@faa.gov*. If mailing information, also submit information by email.

(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) Additional Information

For more information about this AD, contact Dan McCully, Aviation Safety Engineer, FAA, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; phone (404) 474–5548; email *william.mccully@faa.gov*.

(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 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) Transport Canada Emergency AD CF–2023–63, dated August 17, 2023.

(ii) [Reserved]

(3) For Transport Canada Emergency AD CF–2023–63, contact Transport Canada, Transport Canada National Aircraft Certification, 159 Cleopatra Drive, Nepean, Ontario, K1A 0N5, CANADA; phone 888–663–3639; email *TC.AirworthinessDirectives-Consignesdenavigabilite.TC@tc.gc.ca;* internet *tc.canada.ca/en/aviation*. You may find the Transport Canada material on the Transport Canada website at *tc.canada.ca/en/aviation*.

(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.

(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 25, 2023.

Victor Wicklund,

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

[FR Doc. 2023–19324 Filed 9–1–23; 4:15 pm]

BILLING CODE 4910–13–P