

**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES**

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

BIWEEKLY 2023-16

07/17/2023 - 07/30/2023



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
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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-

2023-07-08

Pilatus Aircraft Ltd.

1,206L,206L-1,206L-3,206L-4
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,AS332
L2,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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(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

SMALL AIRCRAFT

AD No.	Information	Manufacturer	Applicability
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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,F172D (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

SMALL AIRCRAFT

AD No.	Information	Manufacturer	Applicability
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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,R17
 2F,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,T2
 10F,T210G,T210H,T210J,T210K,T210L,T210
 M,T210N,T210R,T240,T310P,T310Q,T310R,
 T337B,T337C,T337D,T337E,T337F,T337G,T
 337H,T337H-SP,T-6G,TC-45G,TC-45H,TC-
 45J,TP206A,TP206B,TP206C,TP206D,TP206
 E,TR182,TU206A,TU206B,TU206C,TU206D
 ,TU206E,TU206F,TU206G,U206,U206A,U20
 6B,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

SMALL AIRCRAFT

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

<p>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.</p>	<p>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,LTSI O-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,J 35,K35,M35,N35,P35,S35,V35,V35A,V35B,3 6,A36,A36TC,B36TC,D55,E55,56TC,A56TC, 58,G58,60,A60,B60,95,95- C55,B95,B95A,D95A,E95,185,185A,185B,18 5C,185D,185E,A185E,A185F,A188,A188A,A 188B,T182,T182T,TR182,T188C,206,P206A, P206,P206B,P206C,P206D,P206E,T206H,TP 206A,TP206B,TP206C,TP206D,TP206E,TU2 06A,TU206B,TU206C,TU206D,TU206E,TU2 06F,TU206G,U206,U206A,U206B,U206C,U2 06D,U206E,U206F,U206G,T207,T207A,210, 210A,210B,210C,210-5 (205),210-5A (205A),P210N,T210G,T210H,T210J,T210K,T 210L,T210M,T210N,T240,T303,310,310B,31 0C,310D,310E,310F,310G,310H,310I,310J,T3 10P,T310Q,T310R,320,320A,320B,320C,320 D,320E,320F,320-</p>
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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

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

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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 A 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,A109A 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,EC155B,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

SMALL AIRCRAFT

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

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
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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

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 2021–05–03, Amendment 39–21864 (, December 23, 2021); and

Adding the following new airworthiness directive:

2023–13–08 Airbus Helicopters: Amendment 39–22493; Docket No. FAA–2023–0931; Project Identifier MCAI–2022–00653–R.

(a) Effective Date

This airworthiness directive (AD) is effective August 28, 2023.

(b) Affected ADs

This AD replaces AD 2021–05–03, Amendment 39–21864 (, December 23, 2021).

(c) Applicability

This AD applies to Airbus Helicopters Model EC225LP helicopters, certificated in any category, with a left-hand side (LH) engine fuel supply (fuel supply) hose part number (P/N) 704A34416087 or P/N 704A34416101 installed.

(d) Subject

Joint Aircraft Service Component (JASC) Code: 2820, Aircraft Fuel Distribution System.

(e) Unsafe Condition

This AD was prompted by a report of an incorrect installation of the LH fuel supply hose P/N 704A34416087. The FAA is issuing this AD to prevent restricted fuel flow to the LH engine. The unsafe condition, if not addressed, could result in a decrease of the LH engine power when accelerating to a power setting corresponding to One Engine Inoperative power and subsequent reduced control of the helicopter.

(f) Compliance

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

(g) Required Actions

(1) For helicopters with LH fuel supply hose P/N 704A34416087 installed, within 110 hours time-in-service (TIS) or 6 months after the effective date of this AD, whichever occurs first, visually inspect the LH fuel supply hose for twisting as shown in Figures 1 and 2 of Airbus Helicopters Alert Service Bulletin (ASB) No. EC225-71A019, Revision 2, dated May 21, 2021 (ASB EC225-71A019 Rev 2). If the LH fuel supply hose has any twisting or if it cannot be determined if the LH fuel supply hose has any twisting, before further flight, borescope inspect the entire length of the inside of the fuel supply hose for twisting as shown in Figures 3 through 5 of ASB EC225-71A019 Rev 2.

(i) If the inside of the LH fuel supply hose has any twisting, before further flight, remove the LH fuel supply hose from service and install an airworthy LH fuel supply hose in accordance with the actions required by paragraphs (g)(2) or (4) of this AD.

(ii) If the inside of the LH fuel supply hose does not have any twisting, reinstall the LH fuel supply hose by following the Accomplishment Instructions, paragraph 3.B.3.b., of ASB EC225-71A019 Rev 2.

(2) For helicopters with LH fuel supply hose P/N 704A34416087 installed, within 1,200 hours TIS or 36 months after the effective date of this AD, whichever occurs first, modify your helicopter by removing from service LH fuel supply hose P/N 704A34416087 and installing LH fuel supply hose P/N 704A34416101 in accordance with the Accomplishment Instructions, paragraph 3.B.2.b., of Airbus Helicopters ASB No. EC225-28A026, Revision 1, dated May 6, 2022 (ASB EC225-28A026 Rev 1).

(3) For helicopters with LH fuel supply hose P/N 704A34416101 previously installed by accomplishing Airbus Helicopters ASB No. EC225-28A026, Revision 0, dated May 21, 2021, by installation of AH modification 0728745 prior to initial delivery of the helicopter from the manufacturer, or if the previously accomplished installation procedures cannot be determined, accomplish the actions required by paragraph (g)(3)(i) of this AD.

(i) Within 15 hours TIS or 7 days after the effective date of this AD, whichever occurs first, and thereafter at intervals not to exceed 15 hours TIS or 7 days, whichever occurs first, inspect the LH fuel supply hose for fuel leakage in the area of each junction nut (items 1a and 1b) as depicted in Figure 1 of ASB EC225-28A026 Rev 1.

(A) If there is any fuel leakage, before further flight, remove the LH side engine and tighten each junction nut (items 1a and 1b) of the LH fuel supply hose by applying the torque depicted in Figure 1 of ASB EC225-28A026 Rev 1.

(B) If there is no fuel leakage, within 110 hours TIS after the effective date of this AD, remove the LH side engine and tighten each junction nut (items 1a and 1b) of the LH fuel supply hose by applying the torque depicted in Figure 1 of ASB EC225-28A026 Rev 1.

(ii) Tightening the junction nuts as required by paragraphs (g)(3)(i)(A) and (B) of this AD constitutes terminating action for the repetitive inspection required by paragraph (g)(3)(i) of this AD.

(4) For helicopters with LH fuel supply hose P/N 704A34416087 installed, as of the effective date of this AD, you may replace an LH fuel supply hose P/N 704A34416087 with an LH fuel supply hose P/N 704A34416087 or reinstall an LH fuel supply hose P/N 704A34416087 on any helicopter by following the Accomplishment Instructions, paragraph 3.B.3.b., of ASB EC225-71A019 Rev 2, until required to install LH fuel supply hose P/N 704A34416101 by paragraph (g)(2) of this AD, provided one of the conditions in paragraphs (g)(4)(i) through (iii) of this AD is met.

(i) If installing, the LH fuel supply hose P/N 704A34416087 is new (zero total hours TIS).

(ii) If reinstalling, before reinstallation, the LH fuel supply hose P/N 704A34416087 is inspected by accomplishing the actions required by the introductory text of paragraph (g)(1) of this AD and the inside of the LH fuel supply hose does not have any twisting.

(iii) If reinstalling, the initial delivery of the helicopter from the manufacturer was on or after November 30, 2018, and the LH fuel supply hose P/N 704A34416087 has never been previously reinstalled.

(5) For helicopters with an LH fuel supply hose P/N 704A34416101 installed, as of the effective date of this AD, do not remove LH fuel supply hose P/N 704A34416101 and replace it with LH fuel supply hose P/N 704A34416087 and do not install an LH engine with an LH fuel supply hose P/N 704A34416087 installed.

(h) Credit for Previous Actions

This paragraph provides credit for the actions specified in paragraph (g)(1) of this AD, if those actions were performed before the effective date of this AD using Airbus Helicopters ASB No. EC225–71A019, Revision 1, dated February 28, 2019.

(i) Special Flight Permits

Special flight permits may be permitted provided that there are no passengers on board and that helicopters identified in paragraph (g)(3) of this AD have no fuel leakage.

(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 . 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 (k)(2) 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.

(k) Additional Information

(1) Refer to European Union Aviation Safety Agency (EASA) AD 2022–0087, dated May 16, 2022, for related information. This EASA AD may be found in the AD docket at *regulations.gov* under Docket No. FAA–2023–0931.

(2) For more information about this AD, contact Hal Jensen, Aerospace Engineer, FAA, 26805 E 68th Ave., Mail Stop: Room 214, Denver, CO 80249; telephone (303) 342–1080; email .

(3) Service information identified in this AD that is not incorporated by reference is available at the contact information specified in paragraphs (l)(5) and (6) of this AD.

(l) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under and .

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

(3) The following service information was approved for IBR on August 28, 2023

(i) Airbus Helicopters Alert Service Bulletin No. EC225–28A026, Revision 1, dated May 6, 2022.

(ii) [Reserved]

(4) The following service information was approved for IBR on January 27, 2022 (, December 23, 2021).

(i) Airbus Helicopters Alert Service Bulletin No. EC225–71A019, Revision 2, dated May 21, 2021.

(ii) [Reserved]

(5) For Airbus Helicopters service information identified in this AD, contact Airbus Helicopters, 2701 North Forum Drive, Grand Prairie, TX 75052; phone (972) 641–0000 or (800) 232–0323; fax (972) 641–3775; or at airbus.com/helicopters/services/technical-support.html.

(6) 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.

(7) You may view this service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, email: , or go to: .

Issued on July 3, 2023.

Michael Linegang,

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

[FR Doc. 2023–15596 Filed 7–21–23; 8:45 am]

BILLING CODE 4910–13–P

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 2022–19–08, Amendment 39–22177 (, September 16, 2022); and

Adding the following new airworthiness directive:

2023–13–51 Airbus Helicopters: Amendment 39–22512; Docket No. FAA–2023–1506; Project Identifier MCAI–2023–00784–R.

(a) Effective Date

The FAA issued emergency Airworthiness Directive (AD) 2023–13–51 on June 27, 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 that emergency AD and, for those who did not receive actual notice, is effective on August 8, 2023.

(b) Affected ADs

This AD replaces AD 2022–19–08, Amendment 39–22177 (, September 16, 2022) (AD 2022–19–08).

(c) Applicability

This AD applies to all Airbus Helicopters Model SA341G and SA342J helicopters, certificated in any category.

(d) Subject

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

(e) Unsafe Condition

This AD was prompted by a report of manufacturing defects on multiple tail rotor blades (TRBs) and a subsequent determination that TRBs that have accumulated 500 or more hours time-in-service (TIS), and which were not included in AD 2022–19–08, are also affected by the unsafe condition and must perform the required corrective actions. The FAA is issuing this AD to detect linear indications on a TRB. The unsafe condition, if not addressed, could result in an in-flight TRB loss, unbalance or damage to the tail or other parts of the helicopter, 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 Emergency AD 2023–0128–E, dated June 26, 2023 (EASA AD 2023–0128–E).

(h) Exceptions to EASA AD 2023–0128–E

(1) Where EASA AD 2023–0128–E requires compliance in terms of flight hours, this AD requires using hours TIS.

(2) Where EASA AD 2023–0128–E refers to its effective date, this AD requires using the effective date of this AD.

(3) Where EASA AD 2023–0128–E refers to the effective date of EASA AD 2022–0169–E (dated August 12, 2022), this AD requires using October 3, 2022 (the effective date of AD 2022–19–08).

(4) Where paragraph (2) of EASA AD 2023–0128–E states, “linear indication,” for the purposes of this AD, a linear indication is any linear indication perpendicular to the grain direction of the blade that is detected regardless of size.

(5) Where paragraph (2) of EASA AD 2023–0128–E states to “accomplish a dye penetrant inspection of the root area of that discrepant part in accordance with the instructions of the ASB,” for this AD replace that text with “perform a fluorescent penetrant inspection (FPI) of the root area of each affected part that has any linear indication (perpendicular to the grain direction of the blade and regardless of size), in accordance with the Accomplishment Instructions, paragraph 3.B.3. of the ASB. This FPI must be accomplished by a Level II or Level III inspector certified in the FAA-acceptable standards for nondestructive inspection personnel.”

Note 1 to paragraph (h)(5):

Advisory Circular 65–31B contains examples of FAA-acceptable Level II and Level III qualification standards criteria for inspection personnel doing nondestructive test inspections.

(6) Where paragraph (3) of EASA AD 2023–0128–E specifies to replace any affected part having a confirmed linear indication with a serviceable part; instead, for this AD, if as a result of the action required by paragraph (2) of EASA AD 2023–0128–E, there is any linear indication (perpendicular to the grain direction of the blade and regardless of size), before further flight, remove the affected TRB from service and replace it with a serviceable part as defined in EASA AD 2023–0128–E.

(7) Where the service information referenced in EASA AD 2023–0128–E specifies to discard the TRB if a linear indication is detected, this AD requires, before further flight, removing that part from service.

(8) Where the service information referenced in EASA AD 2023–0128–E specifies to use tooling, this AD allows the use of equivalent tooling.

(9) This AD does not adopt the “Remarks” section of EASA AD 2023–0128–E.

(i) No Reporting Requirement

Although the service information referenced in EASA AD 2023–0128–E specifies to submit certain information to the manufacturer, this AD does not include that requirement.

(j) Credit for Previous Actions

This paragraph provides credit for actions required by paragraph (g) of this AD, if those actions were performed before the effective date of this AD using AD 2022–19–08.

(k) Special Flight Permits

A special flight permit may be issued in accordance with and to operate the helicopter to a location where the visual inspection or FPI can be performed, provided no passengers are onboard. Special flight permits are prohibited if a linear indication has been detected by an FPI or a visible crack has been detected on a TRB.

(l) 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 (m) 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.

(m) Related Information

For more information about this AD, contact Dan McCully, Aviation Safety Engineer, FAA, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; telephone (404) 474–5548; email .

(n) 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 this AD specifies otherwise.

(i) European Union Aviation Safety Agency Emergency AD 2023–0128–E, dated June 26, 2023 (EASA AD 2023–0128–E).

(ii) [Reserved]

(3) For EASA AD 2023–0128–E, 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 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 regulations.gov under Docket No. FAA-2023-1506.

(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 , or go to: .

Issued on July 18, 2023.

Victor Wicklund,

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

[FR Doc. 2023-15714 Filed 7-20-23; 4:15 pm]

BILLING CODE 4910-13-P