

# **FEDERAL AVIATION ADMINISTRATION AIRWORTHINESS DIRECTIVES**

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

**BIWEEKLY 2024-21**

10/07/2024 - 10/20/2024



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

### Biweekly 2024-01

2023-26-03		WACO Classic Aircraft Corporation	2T-1A-2
2024-01-52	E	Hélicoptères Guimbal	CABRI G2

### Biweekly 2024-02

2024-01-03	R 2023-01-07	GE Aviation Czech s.r.o.	H75-100, H75-200, H80, H80-100, H80-200, H85-100, H85-200
2024-02-55	E	Bell Textron Canada Limited	505

### Biweekly 2024-03

2024-01-11		Pacific Scientific Company Airbus Helicopters	Rotary Buckle Assembly
2024-01-52	R 2023-24-51	Hélicoptères Guimbal	CABRI G2

### Biweekly 2024-04

2024-02-01		Airbus Helicopters	EC225LP
2024-02-04	R 2021-13-07	GE Aviation Czech s.r.o.	M601E-11, M601E-11A, M601E-11AS, M601E-11S
2024-04-51	E	Pratt & Whitney Canada Corp.	PT6A-64, PT6A-66, PT6A-66A, PT6A-66B, PT6A-66D, PT6A-67, PT6A-67A, PT6A-67AF, PT6A-67AG, PT6A-67B, PT6A-67D, PT6A-67F, PT6A-67P, PT6A-67R, PT6A-67RM, PT6A-67T, PT6A-68, PT6A-68D, PT6E-66XT, PT6E-67XP

### Biweekly 2024-05

2024-02-55		Bell Textron Canada Limited	505
2024-04-02		Robinson Helicopter Company	R22, R22 ALPHA, R22 BETA, R22 MARINER, R44, R44 II, R66
2024-04-10		Airbus Helicopters Deutschland GmbH (AHD)	EC135P1, EC135P2, EC135P2+, EC135P3, EC135T1, EC135T2+/EC635T2+, EC135T3, EC635T2+, EC135T2
2024-05-01		Austro Engine GmbH	E4, E4P
2024-05-51	E	General Electric Company Delta Enterprise LLC Heliqwest International Inc. Pickering Aviation Inc. SIXTYHAWK TC LLC CAPITOL HELICOPTERS INC Central Copters Inc. Sikorsky Aircraft Corporation ACE Aeronautics LLC Billings Flying Service Inc. Blackhawk Mission Equipment Carson Helicopters Inc. High Performance Helicopters Corp.	CT7-2E1, CT7-2F1, CT7-8A, CT7-8E, CT7-8F5, EH-60A, HH-60L, S-70, S-70A, S-70C, S-70C(M), S-70C(M1), S-70M, UH-60A, CT7-8, CT7-2D, CT7-2D1

## SMALL AIRCRAFT

AD No.	Information	Manufacturer	Applicability
Information Key: E- Emergency; COR - Correction; R - Replaces, A- Affects			
		Northwest Rotorcraft LLC PJ Helicopters Inc Reeder Flying Service Inc. SKYDANCE BLACKHAWK OPERATIONS LLC Timberline Helicopters Inc. Unical Air Inc.	CT7-2E1, CT7-2F1, CT7-8A, CT7-8E, CT7-8F5, EH-60A, HH-60L, S-70, S-70A, S-70C, S-70C(M), S-70C(M1), S-70M, UH-60A, CT7-8, CT7-2D, CT7-2D1
<b>Biweekly 2024-06</b>			
2024-03-05	A 2021-13-07 A 2022-13-16 A 2022-14-12 A2023-01-10	GE Aviation Czech s.r.o.	M601D-11, M601E-11, M601E-11A, M601E-11AS, M601E-11S, M601F
2024-04-01		Airbus Helicopters Deutschland GmbH (AHD)	EC135P1, EC135P2, EC135P2+, EC135P3, EC135T1, EC135T2, EC135T2+, EC135T3, MBB-BK 117 C-2, MBB-BK 117 D-2, MBB-BK 117 D-3
2024-04-05		Leonardo S.p.a.	AB412, AB412 EP
2024-04-51		Pratt & Whitney Canada Corp.	PT6A-64, PT6A-66, PT6A-66A, PT6A-66B, PT6A-66D, PT6A-67, PT6A-67A, PT6A-67AF, PT6A-67AG, PT6A-67B, PT6A-67D, PT6A-67F, PT6A-67P, PT6A-67R, PT6A-67RM, PT6A-67T, PT6A-68D, PT6A-68, PT6E-67XP, PT6E-66XT
2024-05-51		General Electric Company Delta Enterprise Heliquest International Inc. Pickering Aviation Inc. SIXTYHAWK TC LLC CAPITOL HELICOPTERS INC Central Copters Inc. Sikorsky Aircraft Corporation ACE Aeronautics LLC Billings Flying Service Inc. Blackhawk Mission Equipment Carson Helicopters High Performance Helicopters Corp. Northwest Rotorcraft LLC PJ Helicopters Inc Reeder Flying Service Inc. SKYDANCE BLACKHAWK OPERATIONS LLC Timberline Helicopters Inc. Unical Air Inc.	CT7-2E1, CT7-2F1, CT7-8A, CT7-8E, CT7-8F5, EH-60A, HH-60L, S-70, S-70A, S-70C, S-70C(M), S-70C(M1), S-70M, UH-60A
2024-06-51	E	General Electric Company Delta Enterprise Heliquest International Inc. Pickering Aviation Inc. SIXTYHAWK TC LLC CAPITOL HELICOPTERS INC Central Copters Inc. Sikorsky Aircraft Corporation ACE Aeronautics LLC Billings Flying Service Inc. Blackhawk Mission Equipment Carson Helicopters High Performance Helicopters Corp. Northwest Rotorcraft LLC PJ Helicopters Inc Reeder Flying Service Inc.	CT7-2E1, CT7-2F1, CT7-8A, CT7-8E, CT7-8F5, EH-60A, HH-60L, S-70, S-70A, S-70C, S-70C(M), S-70C(M1), S-70M, UH-60A

## SMALL AIRCRAFT

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

SKYDANCE BLACKHAWK OPERATIONS LLC Timberline Helicopters Inc. Unical Air Inc.	CT7-2E1, CT7-2F1, CT7-8A, CT7-8E, CT7-8F5, EH-60A, HH-60L, S-70, S-70A, S-70C, S-70C(M), S-70C(M1), S-70M, UH-60A
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**Biweekly 2024-07**

2024-06-02		GE Aviation Czech s.r.o.	M601D-11, M601E-11, M601E-11A, M601E-11AS, M601E-11S, M601F
2024-07-51	E	Bell Textron Canada Limited	429

**Biweekly 2024-08**

2024-05-06		Leonardo S.p.a.	AW169
2024-05-07		Leonardo S.p.a.	AW189
2024-06-51	R 2024-05-51	General Electric Company	CT7-2E1, CT7-2F1, CT7-8A, CT7-8E, CT7-8F5
2024-07-03		Diamond Aircraft Industries Inc	DA 62

**Biweekly 2024-09**

2024-06-13	R 2022-21-15	Diamond Aircraft Industries GmbH	DA 42, DA 42 NG, DA 42 M-NG
2024-07-01		Hamilton Sundstrand Corporation	14SF- 7, 14SF-15, 14SF-23
2024-07-07	R 2010-18-06	GA 8 Airvan (Pty) Ltd	GA8, GA8-TC320
2024-08-03		Britten-Norman Aircraft Ltd.	BN-2, BN-2A, BN-2A-2, BN-2A-3, BN-2A-6, BN-2A-8, BN-2A-9, BN-2A-20, BN-2A-21, BN-2A-26, BN-2A-27, BN-2B-20, BN-2B-21, BN-2B-26, BN-2B-27, BN-2T, BN-2T-4R, BN2T-4S, BN2A MK. III, BN2A MK. III-2, BN2A MK. III-3
2024-08-07	R 2023-12-17	Pilatus Aircraft Ltd.	PC-12, PC-12/45, PC-12/47, PC-12/47E

**Biweekly 2024-10**

No ADs

**Biweekly 2024-11**

2024-07-51		Bell Textron Canada Limited	429
2024-09-02		Leonardo S.p.a.	AW169
2024-10-04		Piper Aircraft Inc.	PA-28-181, PA-28R-201, PA-44-180, PA-34-220T (Seneca V)

**Biweekly 2024-12**

2024-08-09		GA8 Airvan (Pty) Ltd	GA8, GA8-TC320
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**Biweekly 2024-13**

## SMALL AIRCRAFT

AD No.	Information	Manufacturer	Applicability
Information Key: E- Emergency; COR - Correction; R - Replaces, A- Affects			
2024-10-02		Leonardo S.p.a.	AW189
2024-10-10		Airbus Helicopters	SA-365N, SA-365N1, AS-365N2, AS-365N3
2024-13-03		Lindstrand Balloons Ltd.	42A, 56A, 60A, 69A, 77A, 90A, 105A, 120A, 150A, 180A, 210A, 240A, 260A, 310A, 69B, 77B, 90B, 105B, Drinks Can
<b>Biweekly 2024-14</b>			
2024-10-08		Leonardo S.p.a.	AW189
2024-10-13		Airbus Helicopters	AS332C, AS332C1, AS332L, AS332L1, AS332L2, EC225LP
<b>Biweekly 2024-15</b>			
2024-10-12		Bell Textron Canada Limited	407
2024-12-10		Centerpointe Aerospace Inc.	S-58BT, S-58DT, S-58ET, S-58FT, S-58HT, S-58JT
2024-14-03		Garmin Commander Aircraft Corporation DAHER AEROSPACE Mooney International Corporation Piper Aircraft Inc. Textron Aviation Inc.	GFC 500, 112B, 112TC, 112TCA, 114, 114A, 114B, 114TC, TB 20, TB 21, M20C, M20D, M20E, M20F, M20G, M20J, M20K, M20M, M20R, M20S, PA-24, PA-24-250, PA-24-260, PA-28-140, PA-28-150, PA-28-151, PA-28-160, PA-28-161, PA-28-180, PA-28-181, PA-28-201T, PA-28-235, PA-28-236, PA-28R-180, PA-28R-200, PA-28R-201, PA-28R-201T, PA-28RT-201, PA-28RT-201T, PA-30, PA-39, PA-32-260, PA-32-300, PA-32-301, PA-32-301FT, PA-32-301T, PA-32-301XTC, PA-32R-300, PA-32RT-300, PA-32RT-300T, PA-32R-301 (HP), PA-32R-301 (SP), PA-32R-301T, 19A, B19, M19A, A23A, A23-19, A23-24, B23, C23, A24, A24R, B24R, C24R, C35, D35, E35, F35, G35, 35-33, 35-A33, 35-B33, 35-C33, 35-C33A, 36, A36, A36TC, B36TC, E33, E33A, E33C, F33, F33A, F33C, G33, H35, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, 172D, 172E, 172F (USAF T-41A), 172G, 172H (USAF T-41A), 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172S, F172E, F172F, F172G, F172H, F172K, F172L, F172M, F172N, F172P, 172RG, P172D, R172K, FR172K, 177B, 177RG, F177RG, 182E, 182F, 182G, 182H, 182J, 182K, 182L, 182M, 182N, 182P, 182Q, 182R, 182S, 182T, F182P, F182Q, FR182, R182, T182, T182T, TR182, 206H, P206C, P206D, P206E, T206H, TP206C, TP206D, TP206E, TU206C, TU206D, TU206E, TU206F, TU206G, U206C, U206D, U206E, U206F, U206G, 210D, 210E, 210F, 210G, 210H, 210J, 210K, 210L, 210M, 210N, T210F, T210G, T210H, T210J, T210K, T210L, T210M, T210N

## SMALL AIRCRAFT

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

### Biweekly 2024-16

No ADs

### Biweekly 2024-17

2024-16-01	R 2000-18-09	Bell Textron Inc.	205A, 205A-1, 205B, 212, 412, 412CF, 412EP
2024-16-06	R 2023-15-07	Air Tractor Inc.	AT-802, AT-802A

### Biweekly 2024-18

No ADs

### Biweekly 2024-19

2024-15-08		Airbus Helicopters	AS350B, AS350BA, AS350B1, AS350B2, AS350D, AS355E, AS355F, AS355F1, AS355F2, AS355N
2024-15-09		Textron Aviation Inc.	525, 525A, 525B
2024-15-10		Bell Textron Canada Limited	505
2024-15-11		Leonardo S.p.a.	A109C, A109E, A109K2, A109S, AW109SP
2024-16-05		Airbus Helicopters	SA330J

### Biweekly 2024-20

2024-16-19		Bell Textron Inc.	212, 412CF, 412, 412EP
2024-17-01	R 2021-11-17 R 2021-11-22	Airbus SAS	EC135P1, EC135P2, EC135P2+, EC135P3, EC135T1, EC135T2, EC135T2+, EC135T3, EC135T2+/EC635T2+
2024-17-02		Bell Textron Inc.	204B, 205B, 205A-1, 205A, 210
2024-17-08		Airbus Helicopters	EC225LP
2024-19-10		Austro Engine GmbH	E4, E4P
2024-19-11		Robinson Helicopter Company	R44, R44 II
2024-19-12		DG Aviation GmbH	DG-400, DG-500 Elan Orion, DG-500 Elan Trainer, DG-500/20 Elan, DG-500/22 Elan, DG-500M, DG-500MB, DG-800A, DG-800B, DG-808C, DG-1000M, DG-1000S, DG-1000T
2024-19-17		Bell Helicopter Textron Attack Logistics LLC US Helicopter Inc. Midwest Aerospace TC LLC Southwest Florida Aviation International Robinson Air Crane Inc. Tamarack Helicopters Inc. Overseas Aircraft Support Inc. Overseas Aircraft Support Inc. Overseas Aircraft Support Inc.	204B, 205A, 205A-1, 205B, 210, 212, 209/AH-1G, AH-1S, HH-1K, SW205A-1, SW205 (UH-1H), UH-1H, SW204 (UH-1B), SW204HP (UH-1B), TH-1F, TH-1L, UH-1A, UH-1B, UH-1E, UH-1F, UH-1L, UH-1P

## SMALL AIRCRAFT

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

Richards Heavylift Helo Inc. International Helicopters Inc. Red Tail Flying Services LLC WSH LLC Smith Helicopters West Coast Fabrications AST Inc. California Department of Forestry Arrow Falcon Exporters Inc. Global Helicopter Technology Inc. Hagglund Helicopters LLC JJASPP Engineering Services LLC Northwest Rotorcraft LLC	204B, 205A, 205A-1, 205B, 210, 212, 209/AH-1G, AH-1S, HH-1K, SW205A-1, SW205 (UH-1H), UH- 1H, SW204 (UH-1B), SW204HP (UH-1B), TH-1F, TH-1L, UH-1A, UH-1B, UH-1E, UH-1F, UH-1L, UH-1P
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**Biweekly 2024-21**

2024-17-07		Leonardo S.p.a.	AB139, AW139
2024-17-09		Embraer S.A.	EMB-505
2024-18-01	R 2021-22-05	Leonardo S.p.a.	A119, AW119 MKII
2024-18-05		Airbus Helicopters	AS332C, AS332C1, AS332L, AS332L1, SA330J
2024-20-05		Columbia Helicopters Inc. Billings Flying Service Inc. Billings Flying Service, Inc. Tandem Rotor LLC Unical Air Inc.	234, CH-47D

# PART 39-AIRWORTHINESS DIRECTIVES

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

## [§39.13](#)

[Amended]

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

**2024-17-07 Leonardo S.p.a.:** Amendment 39-22832; Docket No. FAA-2024-0997; Project Identifier MCAI-2022-01306-R.

## **(a) Effective Date**

This airworthiness directive (AD) is effective November 12, 2024.

## **(b) Affected ADs**

None.

## **(c) Applicability**

This AD applies to Leonardo S.p.a. Model AB139 and AW139 helicopters, certificated in any category.

## **(d) Subject**

Joint Aircraft System Component (JASC) Code: 6400, Tail Rotor System.

## **(e) Unsafe Condition**

This AD was prompted by multiple reports of cracks found on tail rotor (TR) damper bracket assemblies. The FAA is issuing this AD to detect and address corrosion or cracks on the TR damper bracket assembly. The unsafe condition, if not addressed, could lead to fracture of the affected part (TR damper bracket assembly), TR blade loss, unbalance or damage to the tail or other parts of the helicopter, possibly resulting in failure of the TR damper, and consequent loss of control of the helicopter.

## **(f) Compliance**

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

## **(g) Requirements**

Except as specified in paragraphs (h) and (i) of this AD: Comply with all required actions and compliance times specified in, and in accordance with, European Union Aviation Safety Agency (EASA) AD 2022-0205, dated October 4, 2022 (EASA AD 2022-0205).

## **(h) Exceptions to EASA AD 2022-0205**



(1) Where EASA AD 2022-0205 requires compliance in terms of flight hours, this AD requires using hours time-in-service.

(2) Where EASA AD 2022-0205 refers to its effective date and August 15, 2022 (the effective date of EASA AD 2022-0154, dated August 1, 2022), this AD requires using the effective date of this AD.

(3) Where paragraph (4) of EASA AD 2022-0205 states to “replace the affected part with a serviceable part in accordance with the instructions of section 3 of the ASB;” for this AD, replace that text with “remove the affected part, as defined in EASA AD 2022-0205, from service and replace it with a serviceable part, as defined in EASA AD 2022-0205, in accordance with the instructions of section 3 of the ASB.”

(4) Where the material referenced in paragraph (4) of EASA AD 2022-0205 specifies to perform detailed visual inspections (DVI) and “If no cracks are found, but suspected evidences of corrosion signs are found, gently polish the interested area,” for the purposes of this AD, “suspected signs of corrosion” and “suspected evidences of corrosion signs” are signs of discoloration, pitting, flaking, or rust stains.

(5) Where the material referenced in paragraph (4) of EASA AD 2022-0205 specifies to discard certain parts, this AD requires removing those parts from service.

(6) This AD does not require compliance with paragraph (6) of EASA AD 2022-0205.

(7) This AD does not adopt the “Remarks” section of EASA AD 2022-0205.

## **(i) No Reporting Requirement**

Although the material referenced in EASA AD 2022-0205 specifies to reporting certain information to the manufacturer, this AD does not include that requirement.

## **(j) Credit for Previous Actions**

This paragraph provides credit for the initial instance of the detailed visual inspections (DVI) required by paragraph (g) of this AD, for TR damper bracket assemblies identified in Table 1 of EASA AD 2022-0205, if those actions were performed before the effective date of this AD using Leonardo Helicopters Alert Service Bulletin No. 139-724, Revision A, dated September 19, 2022.

## **(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 certification office, send it to the attention of the person identified in paragraph (l)(1) of this AD. If sending information directly to the manager of the International Validation Branch, mail it to the address identified in paragraph (l)(1) of this AD or email to: [9-AVS-AIR-730-AMOC@faa.gov](mailto: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**

(1) For more information about this AD, contact Sungmo Cho, Aviation Safety Engineer, FAA, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; phone: (781) 238-7241; email: [Sungmo.D.Cho@faa.gov](mailto:Sungmo.D.Cho@faa.gov).

(2) For Leonardo Helicopters material identified in this AD that is not incorporated by reference, contact Leonardo S.p.A., Emanuele Bufano, Head of Airworthiness, Viale G. Agusta 520, 21017 C. Costa di Samarate (Va) Italy; phone: (+39) 0331-225074; fax: (+39) 0331-229046; or at *customerportal.leonardocompany.com/en-US/*.

## **(m) Material Incorporated by Reference**

(1) The Director of the Federal Register approved the incorporation by reference of the material listed in this paragraph under [5 U.S.C. 552\(a\)](#) and [1 CFR part 51](#).

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

(i) European Union Aviation Safety Agency (EASA) AD 2022-0205, dated October 4, 2022.

(ii) [Reserved]

(3) For EASA material identified in this AD, contact EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; phone: +49 221 8999 000; email: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu); internet: *easa.europa.eu*. You may find the EASA material on the EASA website at *ad.easa.europa.eu*.

(4) You may view this material 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 material at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, visit [www.archives.gov/federal-register/cfr/ibr-locations](http://www.archives.gov/federal-register/cfr/ibr-locations) or email [fr.inspection@nara.gov](mailto:fr.inspection@nara.gov).

Issued on August 22, 2024.

Steven W. Thompson,

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

[[FR Doc. 2024-23066](#) Filed 10-4-24; 8:45 am]

BILLING CODE 4910-13-P

# PART 39-AIRWORTHINESS DIRECTIVES

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

## [§39.13](#)

[Amended]

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

**2024-17-09 Embraer S.A.:** Amendment 39-22834; Docket No. FAA-2024-1484; Project Identifier MCAI-2023-00968-A.

### **(a) Effective Date**

This airworthiness directive (AD) is effective November 12, 2024.

### **(b) Affected ADs**

None.

### **(c) Applicability**

This AD applies to Embraer S.A. Model EMB-505 airplanes, certificated in any category, as identified in Agência Nacional de Aviação Civil (ANAC) AD 2023-07-01, effective August 10, 2023, as corrected by ANAC Airworthiness Directive Errata, effective August 10, 2023 (ANAC AD 2023-07-01).

### **(d) Subject**

Joint Aircraft System Component (JASC) Code 2500, Cabin Equipment/Furnishings.

### **(e) Unsafe Condition**

This AD was prompted by an analysis that the left-hand (LH) refreshment center and LH forward cabinet might not withstand the loads expected for specific emergency landing conditions. The FAA is issuing this AD to address the possibility of detachment of mass items during specific emergency landing conditions. The unsafe condition, if not addressed, could result in injuries to the airplane occupants.

### **(f) Compliance**

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

### **(g) Required Actions**

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, ANAC AD 2023-07-01.

### **(h) Exceptions to ANAC AD 2023-07-01**

(1) Where ANAC AD 2023-07-01 refers to its effective date, this AD requires using the effective date of this AD.

(2) Although the material referenced in ANAC AD 2023-07-01 allows the use of alternative or similar parts in place of the ones specified in the kits provided, this AD requires that alternative or similar parts be approved by the Manager, International Validation Branch, FAA; ANAC; or ANAC's authorized Designee. If approved by the ANAC Designee, the approval must include the Designee's authorized signature.

(3) Where the material referenced in ANAC AD 2023-07-01 specifies to “discard” certain parts, for this AD replace that text with “remove from service.”

(4) This AD does not adopt paragraphs (c) and (d) of ANAC AD 2023-07-01.

### **(i) No Reporting Requirement**

Although the material referenced in ANAC AD 2023-07-01 specifies to submit certain information to the manufacturer, this AD does not include that requirement.

### **(j) 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 (k) of this AD or email to: [AMOC@faa.gov](mailto: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.

### **(k) Additional Information**

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](mailto:jim.rutherford@faa.gov).

### **(l) Material Incorporated by Reference**

(1) The Director of the Federal Register approved the incorporation by reference of the material listed in this paragraph under [5 U.S.C. 552\(a\)](#) and [1 CFR part 51](#).

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

(i) Agência Nacional de Aviação Civil (ANAC) AD 2023-07-01, effective August 10, 2023, as corrected by ANAC Airworthiness Directive Errata, effective August 10, 2023.

(ii) [Reserved]

(3) For ANAC material identified in this AD, contact ANAC, Continuing Airworthiness Technical Branch (GTAC), Rua Doutor Orlando Feirabend Filho, 230-Centro Empresarial Aquarius-Torre B-Andares 14 a 18,

Parque Residencial Aquarius, CEP 12.246-190-São José dos Campos-SP, Brazil; phone: 55 (12) 3203-6600; email: [pac@anac.gov.br](mailto:pac@anac.gov.br); website: [anac.gov.br/en/](http://anac.gov.br/en/). You may find this material on the ANAC website at [sistemas.anac.gov.br/certificacao/DA/DAE.asp](http://sistemas.anac.gov.br/certificacao/DA/DAE.asp).

(4) You may view this material 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 material at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, visit [www.archives.gov/federal-register/cfr/ibr-locations](http://www.archives.gov/federal-register/cfr/ibr-locations) or email [fr.inspection@nara.gov](mailto:fr.inspection@nara.gov).

Issued on October 3, 2024.

Steven W. Thompson,

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

[[FR Doc. 2024-23248](#) Filed 10-7-24; 8:45 am]

BILLING CODE 4910-13-P

# PART 39-AIRWORTHINESS DIRECTIVES

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

## [§39.13](#)

[Amended]

The FAA amends §39.13 by:

Removing Airworthiness Directive 2021-22-05, Amendment 39-21778 ( [86 FR 67301](#), November 26, 2021); and

Adding the following new airworthiness directive:

**2024-18-01Leonardo S.p.a.;** Amendment 39-22835; Docket No. FAA-2024-0773; Project Identifier MCAI-2023-00256-R.

## **(a) Effective Date**

This airworthiness directive (AD) is effective November 12, 2024.

## **(b) Affected ADs**

This AD replaces AD 2021-22-05, Amendment 39-21778 ([86 FR 67301](#), November 26, 2021).

## **(c) Applicability**

This AD applies to Leonardo S.p.a. Model A119 and AW119 MKII helicopters, certificated in any category, as identified in European Union Aviation Safety Agency AD 2023-0035, dated February 10, 2023 (EASA AD 2023-0035).

## **(d) Subject**

Joint Aircraft System Component (JASC) Code 6700: Rotorcraft Flight Control.

## **(e) Unsafe Condition**

This AD was prompted by reports of abnormal play on the collective torque tube assemblies. The FAA is issuing this AD to address this unsafe condition which could result in reduced control of the helicopter, resulting in a forced landing and consequent damage to the helicopter and injury to occupants.

## **(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 EASA AD 2023-0035.

## **(h) Exceptions to EASA AD 2023-0035**

- (1) Where EASA AD 2023-0035 requires compliance in terms of flight hours, this AD requires using hours time-in-service.
- (2) Where EASA AD 2023-0035 refers to April 14, 2021 (the effective date of EASA AD 2021-0096, dated March 31, 2021), this AD requires using January 3, 2022 (the effective date of AD 2021-22-05).
- (3) Where EASA AD 2023-0035 refers to its effective date, this AD requires using the effective date of this AD.
- (4) Where the material referenced in paragraphs (1) and (2) of EASA AD 2023-0035 specifies “in case of doubt” apply marks on both sides of the torque tube assembly, move the pilot collective stick lever, and verify that the markings stay aligned, this AD requires those actions.
- (5) Instead of the credit allowed in paragraph (4) of EASA AD 2023-0035, you may take credit for the following in paragraphs (h)(5)(i) through (iii) of this AD, as applicable.
  - (i) The inspections required by paragraph (1) of EASA AD 2023-0035 that have been accomplished before the effective date of this AD using Leonardo Helicopters Alert Service Bulletin No. 119-098, dated March 13, 2019 (ASB 119-098, original issue) but this credit is limited to the torque tube assembly batch numbers identified in ASB 119-098, original issue.
  - (ii) The inspections required by paragraph (1) of EASA AD 2023-0035 that have been accomplished before the effective date of this AD using Leonardo Helicopters ASB No. 119-098, Revision A, dated March 31, 2021 (ASB 119-098, Revision A) but this credit is limited to the torque tube assembly batch numbers identified in ASB 119-098, Revision A.
  - (iii) Replacing an affected part, as defined in EASA AD 2023-0035, with a serviceable part, as defined in EASA AD 2023-0035, required by paragraph (3) of EASA AD 2023-0035 that has been accomplished before the effective date of this AD using ASB 119-098, original issue; or ASB 119-098, Revision A.
- (6) Where the material referenced in EASA AD 2023-0035 specifies to return a torque tube assembly to the manufacturer, this AD does not include that requirement.
- (7) This AD does not adopt the “Remarks” section of EASA AD 2023-0035.

## **(i) No Reporting Requirement**

Although the material referenced in EASA AD 2023-0035 specifies to submit certain information to the manufacturer, this AD does not include that requirement.

## **(j) Alternative Methods of Compliance (AMOCs)**

- (1) The Manager, International Validation Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in [14 CFR 39.19](#). In accordance with [14 CFR 39.19](#), send your request

to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the International Validation Branch, send it to the attention of the person identified in paragraph (k) of this AD or email to [AMOC@faa.gov](mailto: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.

## **(k) Additional Information**

For more information about this AD, contact Sungmo Cho, Aviation Safety Engineer, FAA, 1600 Stewart Ave., Suite 410, Westbury, NY 11590; phone: (781) 238-7241; email: [Sungmo.D.Cho@faa.gov](mailto:Sungmo.D.Cho@faa.gov).

## **(l) Material Incorporated by Reference**

(1) The Director of the Federal Register approved the incorporation by reference of the material listed in this paragraph under [5 U.S.C. 552\(a\)](#) and [1 CFR part 51](#).

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

(i) European Union Aviation Safety Agency (EASA) AD 2023-0035, dated February 10, 2023.

(ii) [Reserved]

(3) For EASA material identified in this AD, contact EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 8999 000; email [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu); internet [easa.europa.eu](http://easa.europa.eu). You may find the EASA material on the EASA website at [ad.easa.europa.eu](http://ad.easa.europa.eu).

(4) You may view this material 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 material at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, visit [www.archives.gov/federal-register/cfr/ibr-locations](http://www.archives.gov/federal-register/cfr/ibr-locations) or email [fr.inspection@nara.gov](mailto:fr.inspection@nara.gov).

Issued on August 28, 2024.

Victor Wicklund,

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

[[FR Doc. 2024-23065](#) Filed 10-4-24; 8:45 am]

BILLING CODE 4910-13-P



# PART 39-AIRWORTHINESS DIRECTIVES

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

## [§39.13](#)

[Amended]

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

**2024-18-05 Airbus Helicopters:** Amendment 39-22839; Docket No. FAA-2024-1686; Project Identifier MCAI-2023-00595-R.

## **(a) Effective Date**

This airworthiness directive (AD) is effective November 12, 2024.

## **(b) Affected ADs**

None.

## **(c) Applicability**

This AD applies to Airbus Helicopters Model AS332C, AS332C1, AS332L, AS332L1, and SA330J helicopters, certificated in any category.

## **(d) Subject**

Joint Aircraft Service Component (JASC) Code: 5311, Fuselage Main, Frame.

## **(e) Unsafe Condition**

This AD was prompted by the installation of unapproved main gearbox (MGB) forward and left-hand and right-hand rear suspension bar attachment plates. The FAA is issuing this AD to ensure installation of approved parts. The unsafe condition, if not addressed, could result in damage to the MGB suspension bar attachment plates and surrounding fuselage structure, and subsequent failure of load carrying structural elements.

## **(f) Compliance**

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

## **(g) Requirements**

Except as specified in paragraphs (h) and (i) of this AD: Comply with all required actions and compliance times specified in, and in accordance with European Union Aviation Safety Agency (EASA) AD 2023-0076, dated April 11, 2023 (EASA AD 2023-0076).

## **(h) Exceptions to EASA AD 2023-0076**

(1) Where EASA AD 2023-0076 requires compliance in terms of flight hours, this AD requires using hours time-in-service.

(2) Where EASA AD 2023-0076 refers to its effective date and March 21, 2023 (the effective date of EASA AD 2023-0049, dated March 7, 2023), this AD requires using the effective date of this AD.

(3) Where paragraph (2) of EASA AD 2023-0076 specifies contacting AH [Airbus Helicopters] for approved corrective action instructions and within the compliance time indicated therein, accomplishing those instructions accordingly and, where the material referenced in paragraph (2) of EASA AD 2023-0076 specifies contacting Airbus Helicopters to get an approved repair, this AD requires, before further flight, corrective action done in accordance with a method approved by the Manager, International Validation Branch, FAA; or EASA; or Airbus Helicopters' EASA Design Organization Approval (DOA). If approved by the DOA, the approval must include the DOA-authorized signature.

(4) This AD does not adopt the "Remarks" section of EASA AD 2023-0049.

## **(i) No Reporting Requirement**

Although the material referenced in EASA AD 2023-0076 specifies to submit certain information to the manufacturer, this AD does not require that action.

## **(j) Alternative Methods of Compliance (AMOCs)**

(1) The Manager, International Validation Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in [14 CFR 39.19](#). In accordance with [14 CFR 39.19](#), send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the manager of the International Validation Branch, send it to the attention of the person identified in paragraph (k) of this AD or email to: [AMOC@faa.gov](mailto: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.

## **(k) Additional Information**

For more information about this AD, contact Hye Yoon Jang, Aviation Safety Engineer, FAA, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; phone: (206) 231-3758; email: [hye.yoon.jang@faa.gov](mailto:hye.yoon.jang@faa.gov).

## **(l) Material Incorporated by Reference**

(1) The Director of the Federal Register approved the incorporation by reference of the material listed in this paragraph under [5 U.S.C. 552\(a\)](#) and [1 CFR part 51](#).

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

(i) European Union Aviation Safety Agency (EASA) AD 2023-0076, dated April 11, 2023.

(ii) [Reserved]

(3) For EASA material identified in this AD, contact EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; phone: +49 221 8999 000; email: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu); website: [easa.europa.eu](http://easa.europa.eu). You may find this EASA material on the EASA website at [ad.easa.europa.eu](http://ad.easa.europa.eu).

(4) You may view this material 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 material at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, visit [www.archives.gov/federal-register/cfr/ibr-locations](http://www.archives.gov/federal-register/cfr/ibr-locations) or email [fr.inspection@nara.gov](mailto:fr.inspection@nara.gov).

Issued on September 4, 2024.

Victor Wicklund,

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

[[FR Doc. 2024-23137](#) Filed 10-7-24; 8:45 am]

BILLING CODE 4910-13-P

# PART 39-AIRWORTHINESS DIRECTIVES

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

## [§39.13](#)

[Amended]

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

**2024-20-05 Columbia Helicopters, Inc., and Restricted Category Model CH-47D Helicopters:**  
Amendment 39-22864; Docket No. FAA-2024-2329; Project Identifier AD-2024-00451-R.

## (a) Effective Date

This airworthiness directive (AD) is effective October 28, 2024.

## (b) Affected ADs

None.

## (c) Applicability

This AD applies to the helicopters identified in paragraphs (c)(1) and (2) of this AD with a flight control rigid connecting link (link) part number (P/N) 145C3340-10 having manufacturing CAGE code 59213, a link P/N 145C3340-10 having an unknown manufacturing CAGE code, a link with an unknown P/N having manufacturing CAGE code 59213, or a link with an unknown P/N and unknown manufacturing CAGE code, installed.

(1) Columbia Helicopters, Inc., Model 234 helicopters, certificated in any category; and

(2) Restricted category Model CH-47D helicopters; current type certificate holders include, but are not limited to, Billings Flying Service, Inc., Columbia Helicopters, Inc, Tandem Rotor, LLC, and Unical Air Inc.

**Note 1 to paragraph (c):** A flight control rigid connecting link is also referred to as a rigid connecting link in related material.

**Note 2 to paragraph (c):** The P/N and manufacturing CAGE code information may be located on the tube of the link assembly. Information about the location of the P/N and manufacturing CAGE code is available in Boeing Service Bulletin CH-47, No. 145-67-1047, dated May 22, 2024.

## (d) Subject

Joint Aircraft System Component (JASC) Code: 2700, Flight control systems.

## (e) Unsafe Condition

This AD was prompted by two reports of a link failure, due to a manufacturing defect. The FAA is issuing this AD to address non-conforming links. The unsafe condition, if not addressed, could result in a link failure within the flight control system due to fatigue and subsequent immediate loss of control of the helicopter.

## **(f) Compliance**

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

## **(g) Required Actions**

Within 5 days after the effective date of this AD, remove the link from service and replace it with an airworthy link.

## **(h) Parts Installation Prohibition**

As of the effective date of this AD, do not install a link identified in the introductory text of paragraph (c) of this AD on any helicopter.

## **(i) Special Flight Permit**

Special flight permits are prohibited.

## **(j) Alternative Methods of Compliance (AMOCs)**

(1) The Manager, West Certification 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 West Certification Branch, send it to the attention of the person identified in paragraph (k)(1) of this AD. Information may be emailed to: [AMOC@faa.gov](mailto:AMOC@faa.gov).

(2) Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

## **(k) Additional Information**

(1) For more information about this AD, contact David Herron, Aviation Safety Engineer, FAA, 3960 Paramount Boulevard, Lakewood, CA 90712; phone: (206) 231-3544; email: [david.herron@faa.gov](mailto:david.herron@faa.gov).

(2) For Boeing material identified in this AD that is not incorporated by reference, contact Billings Flying Service, Inc., 309 Jellison Road, Billings, MT 59101; phone: (406) 252-6937; email: [jed@flybfs.com](mailto:jed@flybfs.com).

## **(l) Material Incorporated by Reference**

None.

Issued on October 3, 2024.

Steven W. Thompson,

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

[\[FR Doc. 2024-23547\]](#) Filed 10-8-24; 11:15 am]

BILLING CODE 4910-13-P