

# **FEDERAL AVIATION ADMINISTRATION AIRWORTHINESS DIRECTIVES**

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

**BIWEEKLY 2024-19**

09/09/2024 - 09/22/2024



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 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 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 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 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

# PART 39-AIRWORTHINESS DIRECTIVES

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

[Amended]

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

**2024-15-08 Airbus Helicopters:** Amendment 39-22799; Docket No. FAA-2024-1002; Project Identifier MCAI-2022-01574-R.

## (a) Effective Date

This airworthiness directive (AD) is effective October 15, 2024.

## (b) Affected ADs

None.

## (c) Applicability

This AD applies to Airbus Helicopters Model AS350B, AS350BA, AS350B1, AS350B2, AS350D, AS355E, AS355F, AS355F1, AS355F2, and AS355N helicopters, certificated in any category.

## (d) Subject

Joint Aircraft Service Component (JASC) Code: 6210, Main Rotor Blades.

## (e) Unsafe Condition

This AD was prompted by reports of debonding on the stainless steel leading edge protection of certain main rotor blades (MRBs). The FAA is issuing this AD to address the debonding of the MRB leading edge protection. The unsafe condition, if not addressed, could result in a significant unbalance of the main rotor, a high level of vibration, failure of the main rotor, failure of the main gearbox, and subsequent loss of control of the helicopter.

## (f) Compliance

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

## (g) Requirements

Except as specified in paragraphs (h) and (i) of this AD: Comply with all required actions and compliance times specified in, and in accordance with, European Union Aviation Safety Agency (EASA) AD 2022-0246, dated December 12, 2022 (EASA AD 2022-0246).

## (h) Exceptions to EASA AD 2022-0246

(1) Where EASA AD 2022-0246 requires compliance in terms of flight hours, this AD requires using hours time-in-service.

(2) Where EASA AD 2022-0246 refers to its effective date, this AD requires using the effective date of this AD.

(3) Where the material referenced in paragraphs (2) and (3) of EASA AD 2022-0246 specifies sending removed blade(s) to Airbus Helicopters, this AD does not require that action.

(4) This AD does not adopt the “Remarks” section of EASA AD 2022-0246.

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

Although the material referenced in EASA AD 2022-0246 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 . 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) 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) Related Information**

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

## **(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 and .

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

(i) European Union Aviation Safety Agency (EASA) AD 2022-0246, dated December 12, 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: ; website: *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 Parkway, 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 or email .

Issued on July 23, 2024.

Steven W. Thompson,

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

[ Filed 9-9-24; 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 adding the following new airworthiness directive:

**2024-15-09 Textron Aviation Inc. (Type Certificate Previously Held by Cessna Aircraft Company):**  
Amendment 39-22800; Docket No. FAA-2024-0470; Project Identifier AD-2023-00694-A.

## (a) Effective Date

This airworthiness directive (AD) is effective October 22, 2024.

## (b) Affected ADs

None.

## (c) Applicability

This AD applies to Textron Aviation Inc. (type certificate previously held by Cessna Aircraft Company) Model 525, 525A, and 525B airplanes, all serial numbers (S/Ns), certificated in any category, with Tamarack active technology load alleviation system (ATLAS) winglets installed in accordance with Supplemental Type Certificate No. SA03842NY.

## (d) Subject

Joint Aircraft System Component (JASC) Code 2770, Gust Lock/Damper System

## (e) Unsafe Condition

This AD was prompted by a report of the potential for a failure of the ATLAS system in which a loss of load alleviation would be un-announced. The FAA is issuing this AD to address un-announced loss of load alleviation which, if not addressed, could lead to the flight crew flying the airplane into conditions that exceed the limit load, as well as fatigue cracking in the airplane's primary structure. This could result in loss of continued safe flight and landing of the airplane.

## (f) Compliance

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

## (g) Required Actions

Within 60 hours time-in-service or 6 months after the effective date of this AD, whichever occurs first, do the actions required by paragraphs (g)(1) and (2) of this AD.

(1) Install placards on the left-hand Tamarack active camber surface (TACS) in accordance with steps 1 through 3 of the Accomplishment Instructions in Tamarack Aerospace Atlas Service Bulletin SBATLAS-57-06, Issue A, dated April 19, 2023.

(2) Revise the Normal Procedures section of the existing airplane flight manual (AFM) for your airplane by adding the information in Figure 1 to paragraph (g)(2) of this AD under “Before Taxi” or by incorporating the AFM supplement applicable to your airplane identified in Figure 2 to paragraph (g)(2) of this AD. Using a different document with information identical to this information under “Before Taxi” in the AFM for your airplane is acceptable for compliance with the requirements of this paragraph. The owner/operator (pilot) holding at least a private pilot certificate may revise the existing AFM for your airplane and must enter compliance with the applicable paragraph of this AD into the airplane maintenance records in accordance with and . The record must be maintained as required by , , or .

Figure 1 to Paragraph (g)(2) -ATLAS Check Procedure

### Before Taxi

#### WARNING

**The TACS should move rapidly and forcefully trailing edge up and return to the neutral position when the ATLAS first receives power. Be sure that all personnel and equipment are clear before moving switch to the ON position.**

ATLAS System

CHECK

(Test that the ATLAS is working properly.)

- a. In poor light or dark conditions, turn on left side reading light.
- b. In poor light or dark conditions, turn on Wing Inspection Light.
- c. ATLAS INOP Button-Press 3 times within 3 seconds. ATLAS INOP Button light will flash 3 times when system goes through BIT (Built In Test).

#### WARNING

**The TACS should move rapidly and forcefully trailing edge up and return to the neutral position when running the BIT function. Be sure that all personnel and equipment are clear before pressing.**

d. TACS

CHECK  
MOVEMENT

Both TACS should rapidly move up and return to the neutral position. i. **If the TACS do not move** after completing step c., this may indicate that ATLAS is not functioning normally. ii. Refer to Abnormal Procedure ATLAS INOPERATIVE ON THE GROUND (TACS DO NOT MOVE IN BIT).

e. Wait approximately 10 seconds.

f. ATLAS INOP Button light

CHECK OFF

g. If left side reading light is illuminated, turn off at pilot's discretion.

h. If Wing Inspection Light is illuminated, turn off at pilot's discretion.

#### NOTE

If annunciator remains illuminated, or if the TACS do not move, a fault has been identified in the system. In either case refer to Abnormal Procedures ATLAS INOPERATIVE ON THE GROUND.

Figure 2 to Paragraph ( g )(2)-Tamarack ATLAS AFM Supplements

#### Model and S/N

Model 525, S/Ns 525-0001 through 525-0359

#### Tamarack ATLAS AFM supplement

Paragraph 3A, ATLAS System, under “Before Taxiing” in the Normal Procedures section of Cessna Citation Model 525, 525-0001 thru -0359, AFM

inclusive	Supplement TAG-1101-0099 CA/DD/M023, Tamarack Active Technology Load Alleviation System (Atlas) Winglets, Issue D, dated September 20, 2023.
Model 525, S/Ns 525-0360 through 525-0599 inclusive	Paragraph 3A, ATLAS System, under “Before Taxi” in the Normal Procedures section of Cessna Citation Model 525, 525-0360 thru -0599, AFM Supplement TAG-1101-1099 CA/DD/M037, Tamarack Active Technology Load Alleviation System (Atlas) Winglets, Issue D, dated September 20, 2023.
Model 525, S/Ns 525-0600 through 525-0684 inclusive and S/Ns 525-0686 through 525-0701 inclusive	Paragraph 1A, ATLAS System, under “Before Taxi” in the Normal Procedures section of Cessna Citation Model 525, 525-0600 through -0684 and -0686 through -0701, AFM Supplement TAG-1101-P099 CA/DD/M038, Tamarack Active Technology Load Alleviation System (Atlas) Winglets, Issue D, dated September 20, 2023.
Model 525, S/N 525-0685 and S/Ns 525-0800 and larger	Paragraph 9A, ATLAS System, under “Before Taxi” in the Normal Procedures section of Cessna Citation Model 525, 525-0685 and -0800 and on, AFM Supplement TAG-1101-M099 CA/DD/M088, Tamarack Active Technology Load Alleviation System (Atlas) Winglets, Issue D, dated September 20, 2023.
Model 525A, S/Ns 525A-0001 through 525-0299 inclusive	Paragraph 3A, ATLAS System, under “Before Taxi” in the Normal Procedures section of Cessna Citation Model 525A, 525A-0001 thru -0299, AFM Supplement TAG-1102-0099 CAS/AFM0003, Tamarack Active Technology Load Alleviation System (Atlas) Winglets, Issue C, dated September 20, 2023.
Model 525A, S/Ns 525A-0300 and larger	Paragraph 1A, ATLAS System, under “Before Taxi” in the Normal Procedures section of Cessna Citation Model 525A, 525A-0300 and on, AFM Supplement TAG-1102-P099 CAS/AFM0004, Tamarack Active Technology Load Alleviation System (Atlas) Winglets, Issue C, dated September 20, 2023.
Model 525B, S/Ns 525B-0001 through 525B-0056 inclusive and S/Ns 525B-0058 through 525B-0450 inclusive	Paragraph 1A, ATLAS System, under “Before Taxi” in the Normal Procedures section of Cessna CitationJet Model 525B, 525B-0001 thru 525B-0056 and 525B-0058 thru 525B-0450, AFM Supplement TAG-1103-0099 CAS /AFM0001, Tamarack Active Technology Load Alleviation System (Atlas) Winglets, Issue C, dated September 20, 2023.
Model 525B, S/N 525B-0057 and S/Ns 525B-0451 and larger	Paragraph 9A, ATLAS System, under “Before Taxi” in the Normal Procedures section of Cessna CitationJet Model 525B, 525B-0057 and 525B-0451 and ON, AFM Supplement TAG-1103-P099 CAS/AFM0002, Tamarack Active Technology Load Alleviation System (Atlas) Winglets, Issue D, dated September 20, 2023.

## **(h) 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 . 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 West Certification Branch, send it to the attention of the person identified in paragraph (i) of this AD and email it 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.

## **(i) Related Information**

For more information about this AD, contact Anthony Caldejon, Aviation Safety Engineer, FAA, 3960 Paramount Boulevard, Lakewood, CA 90712; phone: (206) 231-3534; email: .

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

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

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

(i) Tamarack Aerospace Atlas Service Bulletin SBATLAS-57-06, Issue A, dated April 19, 2023.

(ii) Tamarack Aerospace Cessna Citation Model 525, 525-0001 thru -0359, Airplane Flight Manual (AFM) Supplement TAG-1101-0099 CA/DD/M023, Tamarack Active Technology Load Alleviation System (Atlas) Winglets, Issue D, dated September 20, 2023.

(iii) Tamarack Aerospace Cessna Citation Model 525, 525-0360 thru -0599, AFM Supplement TAG-1101-1099 CA/DD/M037, Tamarack Active Technology Load Alleviation System (Atlas) Winglets, Issue D, dated September 20, 2023.

(iv) Tamarack Aerospace Cessna Citation Model 525, 525-0600 through -0684 and -0686 through -0701, AFM Supplement TAG-1101-P099 CA/DD/M038, Tamarack Active Technology Load Alleviation System (Atlas) Winglets, Issue D, dated September 20, 2023.

(v) Tamarack Aerospace Cessna Citation Model 525, 525-0685 and -0800 and on, AFM Supplement TAG-1101-M099 CA/DD/M088, Tamarack Active Technology Load Alleviation System (Atlas) Winglets, Issue D, September 20, 2023.

(vi) Tamarack Aerospace Cessna Citation Model 525A, 525A-0001 thru -0299, AFM Supplement TAG-1102-0099 CAS/AFM0003, Tamarack Active Technology Load Alleviation System (Atlas) Winglets, Issue C, September 20, 2023.

(vii) Tamarack Aerospace Cessna Citation Model 525A, 525A-0300 and on, AFM Supplement TAG-1102-P099 CAS/AFM0004, Tamarack Active Technology Load Alleviation System (Atlas) Winglets, Issue C, September 20, 2023.

(viii) Tamarack Aerospace Cessna CitationJet Model 525B, 525B-0001 thru 525B-0056 and 525B-0058 thru 525B-0450, AFM Supplement TAG-1103-0099 CAS/AFM0001, Tamarack Active Technology Load Alleviation System (Atlas) Winglets, Issue C, September 20, 2023.

(ix) Tamarack Aerospace Cessna CitationJet Model 525B, 525B-0057 and 525B-0451 and ON, AFM Supplement TAG-1103-P099 CAS/AFM0002, Tamarack Active Technology Load Alleviation System (Atlas) Winglets, Issue D, September 20, 2023.

(3) For Tamarack material identified in this AD, contact Tamarack Aerospace Group, Inc., 2021 Industrial Drive, Sandpoint, ID 83864; phone: (208) 597-4568; website: [tamarackaero.com/customer-support](http://tamarackaero.com/customer-support).

(4) You may view this material at FAA, Airworthiness Products Section, Operational Safety Branch, 901 Locust, Kansas City, MO 64106. For information on the availability of this material at the FAA, call (817) 222-5110.

(5) You may view this material at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, visit .

Issued on September 10, 2024.

Steven W. Thompson,

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

[ Filed 9-16-24; 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 adding the following new airworthiness directive:

**2024-15-10 Bell Textron Canada Limited:** Amendment 39-22802; Docket No. FAA-2024-1296; Project Identifier MCAI-2023-00844-R.

## (a) Effective Date

This airworthiness directive (AD) is effective October 21, 2024.

## (b) Affected ADs

None.

## (c) Applicability

This AD applies to Bell Textron Canada Limited Model 505 helicopters, certificated in any category, as identified in Transport Canada AD CF-2023-51, dated July 11, 2023 (Transport Canada AD CF-2023-51).

## (d) Subject

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

## (e) Unsafe Condition

This AD was prompted by a fuel leakage discovered during fuel system crash impact testing activity. The FAA is issuing this AD to prevent the fuel drain quick disconnect valve from catching on the airframe cutout and reduce the load on the valve body by preventing metal-to-metal contact following an impact. The unsafe condition, if not addressed, could result in a fuel leakage, post impact fire, injuries to occupants, and reduction in time to evacuate the helicopter.

## (f) Compliance

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

## (g) Requirements

Except as specified in paragraph (h) of this AD: Comply with all required actions and compliance times specified in, and in accordance with, Transport Canada AD CF-2023-51.

## (h) Exceptions to Transport Canada AD CF-2023-51

Where Transport Canada AD CF-2023-51 refers to its effective date, this AD requires using the effective date of this AD.

## **(i) 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 (j) 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.

## **(j) Related Information**

For more information about this AD, contact Michael Hughlett, Aviation Safety Engineer, FAA, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; phone (817) 222-5110; email .

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

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

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

(i) Transport Canada AD CF-2023-51, dated July 11, 2023.

(ii) [Reserved]

(3) For Transport Canada AD CF-2023-51 material identified in this AD, contact Transport Canada, Transport Canada National Aircraft Certification, 159 Cleopatra Drive, Nepean, Ontario, K1A 0N5, CANADA; telephone 888-663-3639; email ; internet [tc.canada.ca/en/aviation](http://tc.canada.ca/en/aviation). You may find the Transport Canada material on the Transport Canada website at [wwwapps.tc.gc.ca/Saf-Sec-Sur/2/cawis-swimn/ad\\_qs1.aspx](http://wwwapps.tc.gc.ca/Saf-Sec-Sur/2/cawis-swimn/ad_qs1.aspx).

(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 or email .

Issued on July 23, 2024.

Steven W. Thompson,

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

[ Filed 9-13-24; 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 adding the following new airworthiness directive:

**2024-15-11 Leonardo S.p.a.:** Amendment 39-22803; Docket No. FAA-2023-2238; Project Identifier MCAI-2023-00698-R.

## (a) Effective Date

This airworthiness directive (AD) is effective October 21, 2024.

## (b) Affected ADs

None.

## (c) Applicability

This AD applies to all Leonardo S.p.a. Model A109C, A109E, A109K2, A109S, and AW109SP helicopters, certificated in any category.

## (d) Subject

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

## (e) Unsafe Condition

This AD was prompted by reports of loose tail rotor duplex bearing locking nuts, possibly caused by improper installation. The FAA is issuing this AD to detect and address the incorrect assembly of the tail rotor duplex bearing. The unsafe condition, if not addressed, could lead to failure of the tail rotor function, possibly resulting in 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 2023-0105, dated May 23, 2023 (EASA AD 2023-0105).

## (h) Exceptions to EASA AD 2023-0105

(1) Where EASA AD 2023-0105 defines the updated procedure as “Paragraph 64-30-3 Rev. 5 (for A109C helicopters), MM Paragraph 64-31-6 Rev. 16 (for A109E helicopters), MM Paragraph 64-30-5 Rev. 5 (for A109K2 helicopters), AM DM 64-31-10-00A-710A-B Issue 13 (for A109LUH helicopters) or AMP DM 0B-A-64-31-06-00A-710A-B Issue 13 (for A109S and AW109SP helicopters), as applicable, or later revisions;” for this AD, replace that text with “Paragraph 64-30-3 Rev. 5 (for A109C helicopters), MM Paragraph 64-31-6 Rev. 16 (for A109E helicopters), MM Paragraph 64-30-5 Rev. 5 or MM Paragraph 64-31-6 Rev. 6, as applicable (for A109K2 helicopters), or AMP DM 0B-A-64-31-06-00A-710A-B Issue 13 (for A109S and AW109SP helicopters), as applicable, or later revisions.”

(2) Where EASA AD 2023-0105 states “Annex A of the ASB;” for this AD, replace that text with “Annex A or B of the ASB, as applicable.”

(3) Where EASA AD 2023-0105 requires compliance in terms of flight hours, this AD requires using hours time-in-service.

(4) Where EASA AD 2023-0105 refers to its effective date, this AD requires using the effective date of this AD.

(5) Where the material referenced in EASA AD 2023-0105 specifies to “discard” parts; for this AD, replace that text with “remove from service.”

(6) This AD does not adopt the “Remarks” section of EASA AD 2023-0105.

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

Although the material referenced in EASA AD 2023-0105 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 . 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) 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) Related Information**

For more information about this AD, contact William McCully, Aviation Safety Engineer, FAA, International Validation Branch, FAA, 1600 Stewart Ave., Suite 410, Westbury, NY 11590; phone: (404) 474-5548; email: .

## **(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 and .

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

(i) European Union Aviation Safety Agency (EASA) AD 2023-0105, dated May 23, 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: ; website: *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 .

Issued on September 10, 2024.

Victor Wicklund,

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

## Footnotes

1. Leonardo Helicopters Alert Service Bulletin (ASB) No. 109-158, ASB No. 109EP-180, ASB No. 109K-076, ASB No. 109S-115, and ASB No. 109SP-154, each dated March 21, 2023, contain updated maintenance procedures (referenced as “Annex A” or “Annex B” in the ASBs, as applicable) for assembling the tail rotor housing and slider assembly. The updated maintenance procedures are MM Paragraph 64-30-3 Revision 5, MM Paragraph 64-31-6 Revision 16, MM Paragraph 64-30-5 Revision 5, MM Paragraph 64-31-6 Rev. 6, and AMP DM 0B-A-64-31-06-00A-710A-B Issue 13, as applicable. The identified ASBs are referenced in EASA AD 2023-0105 for compliance and will be available at *regulations.gov* under Docket No. FAA-2023-2238 after this FAA final rule is published.

[ Filed 9-13-24; 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 adding the following new airworthiness directive:

**2024-16-05 Airbus Helicopters:** Amendment 39-22811; Docket No. FAA-2024-1291; Project Identifier MCAI-2022-00901-R.

## (a) Effective Date

This airworthiness directive (AD) is effective October 21, 2024.

## (b) Affected ADs

None.

## (c) Applicability

This AD applies to all Airbus Helicopters Model SA330J helicopters, certificated in any category.

## (d) Subject

Joint Aircraft System Component (JASC) Code: 6320, Main rotor gearbox.

## (e) Unsafe Condition

This AD was prompted by a report of an incorrectly assembled main rotor gearbox (MGB) flange assembly coupling (coupling). The FAA is issuing this AD to detect and address incorrectly assembled MGB couplings. The unsafe condition, if not addressed, could result in loss of the drive transmission from the left-hand or right-hand engine, and subsequent loss of control of the helicopter.

## (f) Compliance

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

## (g) Requirements

Except as specified in paragraphs (h) and (i) of this AD: Comply with all required actions and compliance times specified in, and in accordance with, European Union Aviation Safety Agency (EASA) AD 2022-0140, dated July 7, 2022 (EASA AD 2022-0140).

## (h) Exceptions to EASA AD 2022-0140

(1) Where EASA AD 2022-0140 requires compliance in terms of flight hours, this AD, requires using hours time-in-service.

(2) Where EASA AD 2022-0140 refers to its effective date, this AD requires using the effective date of this AD.

(3) Where paragraph (1) of EASA AD 2022-0140 states, “in accordance with the instructions of the ASB,” for this AD, replace that text with “in accordance with the Accomplishment Instructions, paragraph 3.B.2.b. of the ASB, except you are not required to comply with paragraph 3.B.2.c.”

(4) Where paragraph (2) of EASA AD 2022-0140 states to “replace the affected part with a serviceable part, in accordance with the instructions of the ASB” for this AD, replace that text with “remove the affected part, as defined in EASA AD 2022-0140, from service and replace it with a serviceable part, as defined in EASA AD 2022-0140, in accordance with the Accomplishment Instructions, paragraph 3.B.2.d. of the ASB, except you are not required to send an affected part to Airbus Helicopters or comply with paragraphs 2.D or 3.B.3 of the ASB.”

(5) Where the service information referenced in EASA AD 2022-0140 specifies “install a flange assy coupling (1) correctly assembled,” for this AD, replace that text with “install a correctly assembled MGB coupling.”

(6) This AD does not adopt the “Remarks” section of EASA AD 2022-0140.

## **(i) No Reporting or Return of Parts**

Although the service information referenced in EASA AD 2022-0140 specifies to submit certain information and return parts to the manufacturer, this AD does not require those actions.

## **(j) Special Flight Permits**

Special flight permits may be issued in accordance with and in order to fly to a maintenance area to perform the required actions in this AD, provided there are no passengers onboard.

## **(k) 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 . 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 certification office, send it to the attention of the person identified in paragraph (l) of this AD. Information may be emailed to .

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

## **(l) Related Information**

For more information about this AD, contact Hal Jensen, Aviation Safety Engineer, FAA; 3960 Paramount Boulevard, Lakewood, CA 90712; telephone (303) 342-1080; email .

## **(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 and .

(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 2022-0140, dated July 7, 2022.

(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 ; 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 or email .

Issued on September 10, 2024.

Victor Wicklund,

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

[ Filed 9-13-24; 8:45 am]

BILLING CODE 4910-13-P