

**FEDERAL AVIATION ADMINISTRATION  
AIRWORTHINESS DIRECTIVES**

**SMALL AIRPLANES, ROTORCRAFT, GLIDERS,  
BALLOONS, & AIRSHIPS**

**BIWEEKLY 2021-14**

*6/21/2021 - 7/4/2021*



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, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

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

### Biweekly 2021-01

2020-26-10		Leonardo S.p.a.	A119 and AW119 MKII
2020-26-13		Sikorsky Aircraft Corporation	S-92A
2020-26-14	R 75-16-20	Mitsubishi Heavy Industries, Ltd.	MU-2B, MU-2B-10, MU-2B-15, MU-2B-20, MU-2B-25, MU-2B-26, MU-2B-26A, MU-2B-30, MU-2B-35, MU-2B-36, MU-2B-36A, MU-2B-40, and MU-2B-60

### Biweekly 2021-02

2020-26-16		Piper Aircraft, Inc.	PA-28-151, PA-28-161, PA-28-181, PA-28-235, PA-28R-180, PA-28R-200, PA-28R-201, PA-28R-201T, PA-28RT-201, PA-28RT-201T, PA-32-260, PA-32-300, PA-32R-300, PA-32RT-300, and PA-32RT-300T
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### Biweekly 2021-03

2021-01-02		M7 Aerospace LLC	SA26-AT and SA26-T
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### Biweekly 2021-04

2021-02-20		Hélicoptères Guimbal	Cabri G2
2021-04-04	R 2020-19-02	Airbus Helicopters	SA330J
2021-04-06		Pilatus Aircraft Ltd.	PC-7

### Biweekly 2021-05

2020-26-19		Pilatus Aircraft Ltd.	PC-7
2021-01-05		Pilatus Aircraft Ltd.	PC-24
2021-02-03		Leonardo S.p.a.	AW189
2021-02-04		Pilatus Aircraft Ltd.	PC-12/47E
2021-03-01	R 2018-05-09	Airbus Helicopters	AS332C, AS332C1, AS332L, AS332L1, and SA330J
2021-03-04		Airbus Helicopters Deutschland GmbH	EC135P1, EC135P2, EC135P2+, EC135P3, EC135T1, EC135T2, EC135T2+, and EC135T3
2021-03-06		Airbus Helicopters	SA-365N, SA-365N1, AS-365N2, AS 365 N3, EC 155B, and EC155B1
2021-03-07		Leonardo S.p.a.	AB139 and AW139
2021-03-13		Bell Textron Canada Limited	429
2021-03-15	R 2020-13-02	Leonardo S.p.a.	A119 and AW119 MKII
2021-03-16		Airbus Helicopters	AS350B, AS350B1, AS350B2, AS350B3, AS350BA, AS350D, AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP
2021-04-03		Pilatus Aircraft Ltd.	PC-24
2021-04-07		Piper Aircraft, Inc.	PA-46-350P; PA-46-500TP; PA-46R-350T
2021-04-08		Airbus Helicopters	AS350B3
2021-05-52	E	Bell Textron Canada Limited	505

### Biweekly 2021-06

2021-02-01	R 2015-26-01	Airbus Helicopters	AS332C, AS332C1, AS332L, AS332L1, AS332L2, EC225LP, AS-365N2, AS 365 N3, EC 155B and EC155B1
2021-02-08	R 2018-19-01	Airbus Helicopters	AS-365N2, AS 365 N3, EC 155B, EC155B1, SA-365N, SA-365N1, and SA-366G1
2021-02-09		Airbus Helicopters	EC 155B and EC155B1
2021-02-11		Airbus Helicopters Deutschland GmbH	MBB-BK117 A-1, MBB-BK117 A-3, MBB-BK117 A-4, MBB-BK117 B-1, MBB-BK117 B-2, MBB-BK117 C-1, and MBB-BK117 C-2
2021-04-01		Leonardo S.p.a.	AB139 and AW139
2021-04-10		Textron Aviation, Inc.	208 and 208B
2021-04-12		Robinson Helicopter Company	R66
2021-04-13		Airbus Helicopters	AS350B, AS350BA, AS350B1, AS350B2, AS350B3, and AS350D; AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP; EC130 B4 and EC130 T2
2021-04-15		Airbus Helicopters	AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP; AS350B3
2021-04-16		Sikorsky Aircraft Corporation	S-92A
2021-04-17		Airbus Helicopters	AS350B, AS350BA, AS350B1, AS350B2, AS350D, AS355E, AS355F, AS355F1, AS355F2, and AS355N
2021-04-18	R 2020-23-02	Airbus Helicopters	EC225LP

## SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

AD No.	Information	Manufacturer	Applicability
Information Key: E – Emergency; COR – Correction; R – Replaces, A – Affects			
2021-04-19		Bell Textron Inc.	205B
2021-05-01		Airbus Helicopters	SA330J
2021-05-02		Airbus Helicopters	AS350B, AS350BA, AS350B1, AS350B2, AS350B3, AS350C, and AS350D; AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP; EC130B4 and EC130T2
2021-05-04		Leonardo S.p.a.	A109S and AW109SP
2021-05-05	R 2016-23-05	Airbus Helicopters	SA-365N1, AS-365N2, AS 365 N3, SA-366G1, EC 155B, and EC155B1
2021-05-07		Airbus Helicopters Deutschland GmbH	BO-105A, BO-105C, and BO-105S; 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, and MBB-BK 117 C-1
2021-05-08		Safran Helicopter Engines, S.A.	Arriel 2C, 2C1, 2S1, and 2S2
2021-05-09	R 2018-15-02	Airbus Helicopters	AS350B, AS350B1, AS350B2, AS350B3, AS350BA, AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP
2021-05-22		Safran Helicopter Engines, S.A.	Arriel 1B, Arriel 1C, Arriel 1C2, and Arriel 1D1; Astazou XIV B and Astazou XIV H
<b>Biweekly 2021-07</b>			
2021-05-06		Airbus Helicopters	AS332C, AS332C1, AS332L, AS332L1, AS332L2, EC 155B, EC155B1, EC225LP, and SA330J
2021-05-13		Leonardo S.p.a.	AW189
2021-05-14		Air Tractor, Inc.	AT-250, AT-300, AT-301, AT-302, AT-400, AT-400A, AT-401, AT-401A, AT-401B, AT402, AT-402A, AT-402B, AT-501, AT-502, AT-502A, AT-502B, AT-503, AT-503A, AT-504, AT-602, AT-802, and AT-802A
2021-05-17	R 2019-12-09	Rockwell Collins, Inc.	Flight Display System Application FDSA-6500
2021-06-02		Airbus Helicopters	AS332L, AS332L1, AS332C, and AS332C1
2021-06-06	R 2021-05-52	Bell Textron Canada Limited	505
2021-07-05	R 2007-26-52	Leonardo S.p.a.	A109C, A109E, and A109K2
2021-07-08	R 97-26-02	Airbus Helicopters Deutschland GmbH	BO-105A, BO-105C, BO-105S, BO-105LS A-1, and BO-105LS A-3
<b>Biweekly 2021-08</b>			
2021-04-21		Airbus Helicopters	EC120B
2021-05-15	A 2019-09-03	Airbus Helicopters	AS332C, AS332C1, AS332L, and AS332L1
2021-05-19		Sikorsky Aircraft and Sikorsky Aircraft Corporation	S-61L, S-61N, S-61NM, and S-61R; S-61A, S-61D, S-61E, and S-61V
2021-05-21	R 2017-23-08	Leonardo S.p.a.	AB139 and AW139
2021-06-01		Pilatus Aircraft Ltd.	PC-24
2021-06-05	R 2017-07-08	Airbus Helicopters Deutschland GmbH	MBB-BK 117 D-2
2021-07-07		Airbus Helicopters	EC 155B and EC155B1
2021-07-12		Airbus Helicopters Deutschland GmbH	EC135P1, EC135P2, EC135P2+, EC135P3, EC135T1, EC135T2, EC135T2+, and EC135T3
2021-07-13		Pacific Scientific Company	rotary buckle assembly
2021-07-15	R 82-20-05	Airbus Helicopters	AS350B, AS350B1, AS350B2, AS350B3, AS350BA, AS350C, AS350D, AS350D1, AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP
2021-08-07		Rockwell Collins, Inc.	GPS-4000S
<b>Biweekly 2021-09</b>			
2021-07-16		Leonardo S.p.a.	AB412
2021-08-06	R 97-06-10	Textron Aviation Inc.	76
2021-08-15		Garmin International	GMN-00962 GTS
2021-08-18	R 2021-04-16	Sikorsky Aircraft Corporation	S-92A
2021-09-02	R 2021-04-07	Piper Aircraft, Inc.	PA-46-350P (Malibu Mirage), PA-46R-350T (Malibu Matrix), and PA-46-500TP (Malibu Meridian)
2021-09-04		Austro Engine GmbH	E4 and E4P
2021-09-07	R 2019-17-02	Airbus Helicopters Deutschland GmbH	EC135P1, EC135P2, EC135P2+, EC135P3, EC135T1, EC135T2, EC135T2+, and EC135T3
2021-09-09		Uninsured United Parachute Technologies, LLC	Vector 3 SE

## SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

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### Biweekly 2021-10

2021-08-05		Airbus Helicopters	SA341G and SA342J
2021-08-16		PZL Swidnik S.A.	W-3A
2021-08-17		Airbus Helicopters	AS332L2
2021-09-05	R 2016-08-20	Airbus Helicopters	EC130B4 and EC130T2
2021-10-08		Bell Textron Canada Limited	206L, 206L-1, 206L-3, and 206L-4

### Biweekly 2021-11

2021-08-02		Safran Helicopter Engines, S.A.	Arriel 2D and Arriel 2E
2021-09-14	R 2010-16-51	Airbus Helicopters	SA330J
2021-10-01		Leonardo S.p.a.	AW169
2021-10-03	R 2019-03-12	Airbus Helicopters	EC225LP
2021-10-10		Airbus Helicopters	SA330J
2021-10-14	A 2016-25-14	Airbus Helicopters Deutschland GmbH	BO-105A, BO-105C, BO-105S, and BO-105LS A-3
2021-10-24	R 2015-25-04	Leonardo S.p.a.	A109A and A109A II

### Biweekly 2021-12

2021-10-15		Airbus Helicopters Deutschland GmbH	MBB-BK 117 C-2; MBB-BK 117 D-2
2021-10-16		Carson Helicopters, Inc. Croman Corporation Sikorsky Aircraft Corporation Siller Helicopters	S-61L; SH-3H; S-61A, S-61D, S-61E, and S-61V; CH-3E; SH-3A
2021-10-17		Mooney International Corporation	M20V
2021-10-18		Airbus Helicopters Deutschland GmbH	MBB-BK117 D-2
2021-10-21	R 2019-07-07	Airbus Helicopters Deutschland GmbH	BO-105A, BO-105C, BO-105S, BO105LS A-3, MBB-BK 117A-1, MBB-BK 117A-3, MBB-BK 117A-4, MBB-BK 117B-1, MBB-BK 117B-2, MBB-BK 117C-1, MBB-BK 117C-2, and MBB-BK 117D-2
2021-10-23		Airbus Helicopters Deutschland GmbH	MBB-BK 117 D-2
2021-10-25		Airbus Helicopters	EC130B4 and EC130T2

### Biweekly 2021-13

2021-10-28		Pilatus Aircraft Ltd.	PC-24
2021-11-01	R 2013-20-13	Bell Textron Canada Limited	206B and 206L
2021-11-03		Airbus Helicopters	EC 155B, EC155B1, SA-365N, SA-365N1, AS-365N2, and AS 365 N3
2021-11-05		Airbus Helicopters	EC225LP
2021-11-08	R 2014-25-04	Pilatus Aircraft Ltd.	PC-6, PC-6-H1, PC-6-H2, PC-6/350, PC-6/350-H1, PC-6/350-H2, PC-6/A, PC-6/A-H1, PC-6/A-H2, PC-6/B-H2, PC-6/B1-H2, PC-6/B2-H2, PC-6/B2-H4, PC-6/C-H2, and PC-6/C1-H2
2021-11-09		Airbus Helicopters Deutschland GmbH	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, and MBB-BK 117 C-1
2021-11-12		Pilatus Aircraft Ltd.	PC-24
2021-11-13		Bell Textron Canada Limited	429
2021-11-14		Leonardo S.p.a.	AW169
2021-11-16	R 79-01-03 R 83-20-03	Piper Aircraft, Inc.	PA-36-285, PA-36-300, and PA-36-375
2021-11-17		Airbus Helicopters Deutschland GmbH	EC135P1, EC135P2, EC135P2+, EC135P3, EC135T1, EC135T2, EC135T2+, and EC135T3
2021-11-19		Bell Textron Canada Limited	505
2021-11-22	R 2016-11-21	Airbus Helicopters Deutschland GmbH	EC135P1, EC135P2, EC135P2+, EC135P3, EC135T1, EC135T2, EC135T2+, and EC135T3
2021-12-03		Leonardo S.p.a.	AW189
2021-12-05		Airbus Helicopters	EC155B1
2021-12-06		Airbus Helicopters	AS-365N2, AS 365 N3, SA-365N, and SA-365N1
2021-12-10		Leonardo S.p.a.	AB139 and AW139

## SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

AD No.	Information	Manufacturer	Applicability
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2021-13-07		GE Aviation Czech s.r.o	M601D-11, M601E-11, M601E-11A, M601E-11AS, M601E-11S, and M601F
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**Biweekly 2021-14**

2021-11-25		Airbus Helicopters	AS350B3 and EC130T2
2021-12-08		Airbus Helicopters Deutschland GmbH	MBB-BK 117 D-2
2021-12-09		Airbus Helicopters Deutschland GmbH	MBB-BK 117 D-2
2021-12-16		Airbus Helicopters Deutschland GmbH	MBB-BK117 C-2 and MBB-BK117 D-2
2021-13-01		Leonardo S.p.a.	AB139 and AW139; AW189
2021-13-15		Bell Textron Canada Limited	429
2021-13-21		Leonardo S.p.a.	AB139, AW139, and AW189



**FAA**  
**Aviation Safety**

## **AIRWORTHINESS DIRECTIVE**

[www.faa.gov/aircraft/safety/alerts/](http://www.faa.gov/aircraft/safety/alerts/)  
[www.gpoaccess.gov/fr/advanced.html](http://www.gpoaccess.gov/fr/advanced.html)

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**2021-11-25 Airbus Helicopters (Type Certificate Previously Held by Eurocopter France):**  
Amendment 39-21587; Docket No. FAA-2017-0432; Project Identifier 2013-SW-074-AD.

**(a) Effective Date**

This airworthiness directive (AD) is effective July 29, 2021.

**(b) Affected ADs**

None.

**(c) Applicability**

This AD applies to Airbus Helicopters (Type Certificate previously held by Eurocopter France) Model AS350B3 and EC130T2 helicopters, certificated in any category, with an ARRIEL 2D engine and THALES full authority digital engine control (FADEC) part number (P/N) C13165DA00 without amendment A or P/N C13165FA00 without amendment B, installed.

Note 1 to paragraph (c): Helicopters with an AS350B3e designation are Model AS350B3 helicopters.

**(d) Subject**

Joint Aircraft Service Component (JASC) Code: 7321, Engine Fuel Control/Turbine Engines.

**(e) Unsafe Condition**

This AD was prompted by a report of failure of an engine digital electronic control unit. The FAA is issuing this AD to prevent incorrect indicator illumination, display failure, and loss of fuel flow regulation (frozen fuel metering unit). The unsafe condition, if not addressed, could result in misleading information to the pilot, rotor overspeed or unavailability of engine power, and subsequent loss of control of the helicopter.

**(f) Compliance**

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

**(g) Required Actions**

(1) Within 25 hours time-in-service after the effective date of this AD, revise the Emergency Procedures of the existing Rotorcraft Flight Manual (RFM) for your helicopter by inserting Appendix 4. of Airbus Helicopters Alert Service Bulletin (ASB) No. AS350-01.00.67 or ASB No. EC130-04A004, each Revision 2 and dated February 17, 2014 (ASB AS350-01.00.67 or ASB EC130-04A004), as applicable to your helicopter model. Inserting a different document with information

identical to that in Appendix 4. of ASB AS350-01.00.67 or ASB EC130-04A004, as applicable to your helicopter model, is acceptable for compliance with the requirement of this paragraph.

(2) As an optional terminating action for the requirement of paragraph (g)(1) of this AD, install amendment A on FADEC P/N C13165DA00 or amendment B on FADEC P/N C13165FA00.

#### **(h) 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 (i)(1) of this AD. Information may be emailed to: 9-AVS-AIR-730-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.

#### **(i) Related Information**

(1) For more information about this AD, contact Jon Jordan, Rotorcraft Flight Test Pilot, Southwest Section, Flight Test Branch, FAA, 10101 Hillwood Pkwy., Fort Worth, TX 76177; telephone (817) 222-5110; email jon.jordan@faa.gov.

(2) Safran Turbomeca Mandatory Service Bulletin No. 292 73 2852, Revision B, dated February 12, 2014, which is not incorporated by reference, contains additional information about the subject of this AD. Contact Safran Helicopter Engines, S.A., 64511 Bordes, France; phone: +33 (0) 5 59 74 45 11 for this service information. 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.

(3) The subject of this AD is addressed in European Aviation Safety Agency (now European Union Aviation Safety Agency) (EASA) AD 2013-0287, dated December 5, 2013. You may view the EASA AD at <https://www.regulations.gov> in Docket No. FAA-2017-0432.

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

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

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

(i) Airbus Helicopters Alert Service Bulletin No. AS350-01.00.67, Revision 2, dated February 17, 2014.

(ii) Airbus Helicopters Alert Service Bulletin No. EC130-04A004, Revision 2, dated February 17, 2014.

(3) For Airbus Helicopters service information identified in this AD, contact Airbus Helicopters, 2701 N Forum Drive, Grand Prairie, TX 75052; telephone (972) 641-0000 or (800) 232-0323; fax (972) 641-3775; or at <https://www.airbus.com/helicopters/services/technical-support.html>.

(4) You may view this service information at the FAA, Office of the Regional Counsel, Southwest Region, 10101 Hillwood Pkwy., Room 6N-321, Fort Worth, TX 76177. For information on the availability of this material at the FAA, call (817) 222-5110.

(5) You may view this service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, email: [fedreg.legal@nara.gov](mailto:fedreg.legal@nara.gov), or go to: <https://www.archives.gov/federal-register/cfr/ibr-locations.html>.



Issued on May 24, 2021.

Gaetano A. Sciortino,

Deputy Director for Strategic Initiatives, Compliance & Airworthiness Division, Aircraft  
Certification Service.

[FR Doc. 2021-13200 Filed 6-23-21; 8:45 am]



**2021-12-08 Airbus Helicopters Deutschland GmbH (AHD):** Amendment 39-21595; Docket No. FAA-2021-0254; Project Identifier MCAI-2020-00481-R.

**(a) Effective Date**

This airworthiness directive (AD) is effective July 29, 2021.

**(b) Affected Airworthiness Directives**

None.

**(c) Applicability**

This AD applies to all Airbus Helicopters Deutschland GmbH (AHD) Model MBB-BK 117 D-2 helicopters, certificated in any category.

**(d) Subject**

Joint Aircraft System Component (JASC) Code: 1497, Miscellaneous Wiring.

**(e) Reason**

This AD was prompted by reports of chafing marks found on the wiring harness behind the middle side panels, in the area of the front passenger panels. Further investigations identified low clearance between the harness and the surrounding structure. Airbus Helicopters identified the cause of the chafing marks as contact of the harness with the front passenger panel screws. The FAA is issuing this AD to prevent electrical failure of the helicopter wiring harness.

**(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, European Union Aviation Safety Agency (EASA) AD 2019-0305, dated December 17, 2019 (EASA AD 2019-0305).

**(h) Exceptions to EASA AD 2019-0305**

(1) Where EASA AD 2019-0305 refers to its effective date, this AD requires using the effective date of this AD.

(2) Where EASA AD 2019-0305 refers to flight hours (FH), this AD requires using hours time-in-service (TIS).

(3) Where paragraph (6) of EASA AD 2019-0305 specifies a compliance time for the initial inspection of within 400 flight hours after the modification of an affected part and thereafter at intervals not exceeding 400 flight hours, plus a non-cumulative tolerance of 40 flight hours, this AD requires a compliance time of within 440 hours TIS after the modification of an affected part for the initial inspection and thereafter at intervals not exceeding 440 hours TIS.

(4) Where paragraph (6) of EASA AD specifies repetitive inspections in accordance with paragraph 3.B.8. of the referenced Alert Service Bulletin (ASB), this AD requires repetitive inspections in accordance with paragraph 3.B.9. of ASB MBB-BK117 D-2-88A-003, Revision 1 and dated December 9, 2019.

(5) Where the service information referenced in EASA AD 2019-0305 specifies to use tooling, equivalent tooling may be used.

(6) The “Remarks” section of EASA AD 2019-0305 does not apply to this AD.

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

Special flight permits, as described in 14 CFR 21.197 and 21.199, are not allowed.

#### **(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. Information may be emailed to: 9-AVS-AIR-730-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) Related Information**

For more information about this AD, contact Blaine Williams, Aerospace Engineer, Los Angeles ACO Branch, Compliance & Airworthiness Division, 3960 Paramount Blvd., Lakewood, CA 90712; telephone 562-627-5371; email blaine.williams@faa.gov.

#### **(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 5 U.S.C. 552(a) and 1 CFR part 51.

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

(i) European Union Aviation Safety Agency (EASA) AD 2019-0305, dated December 17, 2019.

(ii) Airbus Helicopters Alert Service Bulletin ASB MBB-BK117 D-2-88A-003, Revision 1, dated December 9, 2019.

(3) For EASA AD 2019-0305, contact the EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 8999 000; email ADs@easa.europa.eu; internet www.easa.europa.eu. You may find this EASA AD on the EASA website at <https://ad.easa.europa.eu>.

(4) For Airbus Helicopters Alert Service Bulletin ASB MBB-BK117 D-2-88A-003, Revision 1, contact Airbus Helicopters, 2701 North Forum Drive, Grand Prairie, TX 75052; telephone (972) 641-0000 or (800) 232-0323; fax (972) 641-3775; or at <https://www.airbus.com/helicopters/services/technical-support.html>.

(5) 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 on the internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2021-0254.

(6) 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 [fedreg.legal@nara.gov](mailto:fedreg.legal@nara.gov), or go to <https://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued on May 28, 2021.

Lance T. Gant,

Director, Compliance & Airworthiness Division, Aircraft Certification Service.

[FR Doc. 2021-13128 Filed 6-23-21; 8:45 am]



**FAA**  
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## **AIRWORTHINESS DIRECTIVE**

[www.faa.gov/aircraft/safety/alerts/](http://www.faa.gov/aircraft/safety/alerts/)  
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**2021-12-09 Airbus Helicopters Deutschland GmbH (AHD):** Amendment 39-21596; Docket No. FAA-2021-0256; Project Identifier MCAI-2020-00480-R.

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

This airworthiness directive (AD) is effective July 29, 2021.

### **(b) Affected Airworthiness Directives**

None.

### **(c) Applicability**

This AD applies to Airbus Helicopters Deutschland GmbH (AHD) Model MBB-BK 117 D-2 helicopters, certificated in any category, having an affected part as defined in European Union Aviation Safety Agency (EASA) AD 2019-0198, dated August 15, 2019 (EASA AD 2019-0198).

### **(d) Subject**

Joint Aircraft System Component (JASC) Code 2700, Flight Control System.

### **(e) Reason**

This AD was prompted by a short circuit in a yaw trim actuator connector that occurred during production electrical tests. Subsequent investigations determined that a sharp edge in the wire harness trim connector backshell damaged the wiring insulation. The FAA is issuing this AD to address an unsafe condition that could result in yaw or pitch trim runaway 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 paragraph (h) of this AD: Comply with all required actions and compliance times specified in, and in accordance with EASA AD 2019-0198.

### **(h) Exceptions to EASA AD 2019-0198**

(1) Where EASA AD 2019-0198 refers to its effective date, this AD requires using the effective date of this AD.

(2) Where paragraph (1) of EASA AD 2019-0198 specifies to replace each affected part with a serviceable part within 9 months, this AD requires replacing each affected part with a serviceable part within 30 hours time-in-service after the effective date of this AD.

(3) Although the service information referenced in EASA AD 2019-0198 specifies to discard certain parts, this AD requires removing those parts from service.

(4) Where the service information referenced in EASA AD 2019-0198 specifies to use tooling, equivalent tooling may be used.

(5) Paragraph (2) of EASA AD 2019-0198 does not apply to this AD; this AD requires compliance with paragraph (i) of this AD.

(6) The “Remarks” section of EASA AD 2019-0198 does not apply to this AD.

### **(i) Parts Installation Prohibition**

As of the effective date of this AD, do not install a wire harness trim connector backshell identified in paragraph (c) of this AD on any helicopter.

### **(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. Information may be emailed to: 9-AVS-AIR-730-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) Related Information**

For more information about this AD, contact Katherine Venegas, Aviation Safety Engineer, Los Angeles ACO Branch, Compliance & Airworthiness Division, FAA, 3960 Paramount Blvd., Lakewood, CA 90712; telephone (562) 627-5353; email katherine.venegas@faa.gov.

### **(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 5 U.S.C. 552(a) and 1 CFR part 51.

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

(i) European Union Aviation Safety Agency (EASA) AD 2019-0198, dated August 15, 2019.

(ii) [Reserved]

(3) For EASA AD 2019-0198, contact the EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 8999 000; email ADs@easa.europa.eu; internet www.easa.europa.eu. You may find this EASA AD on the EASA website at <https://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 on the internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2021-0256.

(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 [fedreg.legal@nara.gov](mailto:fedreg.legal@nara.gov), or go to <https://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued on May 28, 2021.

Gaetano A. Sciortino,  
Deputy Director for Strategic Initiatives, Compliance & Airworthiness Division, Aircraft  
Certification Service.

[FR Doc. 2021-13127 Filed 6-23-21; 8:45 am]



**2021-12-16 Airbus Helicopters Deutschland GmbH (AHD):** Amendment 39-21603; Docket No. FAA-2021-0265; Project Identifier MCAI-2020-01541-R.

**(a) Effective Date**

This airworthiness directive (AD) is effective August 3, 2021.

**(b) Affected ADs**

None.

**(c) Applicability**

This AD applies to all Airbus Helicopters Deutschland GmbH (AHD) Model MBB-BK117 C-2 and MBB-BK117 D-2 helicopters, certificated in any category.

**(d) Subject**

Joint Aircraft System Component (JASC) Code: 6710, Main Rotor Control.

**(e) Reason**

This AD was prompted by a report of increased control force in the collective axis. The FAA is issuing this AD to prevent failure of the main rotor actuator 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 paragraph (h) of this AD: Comply with all required actions and compliance times specified in, and in accordance with, European Union Aviation Safety Agency (EASA) AD 2020-0257, dated November 17, 2020 (EASA AD 2020-0257).

**(h) Exceptions to EASA AD 2020-0257**

(1) Where EASA AD 2020-0257 refers to its effective date, this AD requires using the effective date of this AD.

(2) Where Note 1 of EASA AD 2020-0257 specifies a tolerance of 3 months may be applied to the initial threshold and to the repetitive inspection interval, this AD does not allow this tolerance.

(3) Where paragraph (2) of EASA AD 2020-0257 specifies contacting Airbus Helicopters, this AD requires performing the corrective action in accordance with FAA-approved procedures.



(4) Where paragraph (3) of EASA AD 2020-0257 specifies an alternative method to comply with the requirements of paragraph (2) of EASA AD 2020-0257 by replacing an affected part, this AD requires removing an affected part from service as an alternative method.

(5) Where paragraph (1) of EASA AD 2020-0257 specifies a compliance time for the initial inspection of “before an affected part exceeds 12 months since new, or since last overhaul, or within 3 months after the effective date of this AD, whichever occurs later” and repetitive inspections at intervals not to exceed 12 months, this AD requires a compliance time for the initial inspection of before an affected part exceeds 319 total hours time-in-service (TIS), or within 319 hours TIS after the date of the last overhaul, or within 80 hours TIS after the effective date of this AD, whichever occurs later, and repetitive inspections at intervals not to exceed 319 hours TIS.

(6) Although the service information referenced in EASA AD 2020-0257 does not specify a compliance time for the reporting requirement, this AD requires the reporting action to be performed within 30 days after accomplishing each inspection and determining that there is a crack, damage, black coloration, or corrosion.

(7) The “Remarks” section of EASA AD 2020-0257 does not apply to 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 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the manager of the International Validation Branch, send it to the attention of the person identified in paragraph (j) of this AD. Information may be emailed to: 9-AVS-AIR-730-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.

### **(j) Related Information**

For more information about this AD, contact Katherine Venegas, Aviation Safety Engineer, Los Angeles ACO Branch, FAA, 3960 Paramount Blvd., Lakewood, California 90712; telephone (562) 627-5353; email katherine.venegas@faa.gov.

### **(k) 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 5 U.S.C. 552(a) and 1 CFR part 51.

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

(i) European Union Aviation Safety Agency (EASA) AD 2020-0257, dated November 17, 2020.

(ii) [Reserved]

(3) For EASA AD 2020-0257, contact the EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 8999 000; email ADs@easa.europa.eu; internet www.easa.europa.eu. You may find this EASA AD on the EASA website at <https://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 on the internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2021-0265.

(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 [fedreg.legal@nara.gov](mailto:fedreg.legal@nara.gov), or go to <https://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued on June 4, 2021.

Gaetano A. Sciortino,  
Deputy Director for Strategic Initiatives, Compliance & Airworthiness Division, Aircraft  
Certification Service.

[FR Doc. 2021-13710 Filed 6-28-21; 8:45 am]



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## **AIRWORTHINESS DIRECTIVE**

[www.faa.gov/aircraft/safety/alerts/](http://www.faa.gov/aircraft/safety/alerts/)  
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**2021-13-01 Leonardo S.p.a. (Type Certificates Previously Held by Agusta S.p.A. and AgustaWestland S.p.A.):** Amendment 39-21606; Docket No. FAA-2021-0304; Project Identifier 2017-SW-108-AD.

**(a) Effective Date**

This airworthiness directive (AD) is effective August 3, 2021.

**(b) Affected ADs**

None.

**(c) Applicability**

This AD applies to Leonardo S.p.a. (Type Certificate previously held by Agusta S.p.A.) Model AB139 and AW139 helicopters and Leonardo S.p.a. (Type Certificate previously held by AgustaWestland S.p.A.) Model AW189 helicopters, certificated in any category, with a main rotor (M/R) slip ring part number (P/N) 4G6220V00151 with a serial number (S/N) up to and including S/N 0141, except those marked with an "L" following the S/N, installed.

**(d) Subject**

Joint Aircraft Service Component (JASC) Code: 6200, Main Rotor System.

**(e) Unsafe Condition**

This AD was prompted by reports of missing lock wire and loose fasteners. The FAA is issuing this AD to address failure of an M/R slip ring fastener. The unsafe condition, if not addressed, could result in failure of the M/R slip ring bearing inner race, reduced M/R control, and subsequent loss of control of the helicopter.

**(f) Compliance**

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

**(g) Required Actions**

(1) For an M/R slip ring that has accumulated 900 or more total hours time-in-service (TIS), within 50 hours TIS after the effective date of this AD; and for an M/R slip ring that has accumulated less than 900 total hours TIS, within 300 hours TIS after the effective date of this AD or before accumulating 950 total hours TIS, whichever occurs first:

(i) With the M/R slip ring removed, visually inspect for the presence of each screw, the presence of any ferrule ended safety cable, the correct installation of lock wire 0.20 CRES NAS 33540 P/N MS20995C20 (double-twist lock wire), and any missing double-twist lock wire for each set of upper

(connector) end and lower (pigtail or standpipe) end fasteners of the M/R slip ring as depicted in Figures 1 and 2 of Annex A to Leonardo Helicopters Alert Service Bulletin (ASB) No. 139-472, dated May 9, 2017 (ASB 139-472), or Leonardo Helicopters ASB No. 189-138, dated May 12, 2017 (ASB 189-138), as applicable to your model helicopter. Figures 2 and 3 of Annex A to ASB 139-472 and ASB 189-138 also show examples of a ferrule ended safety cable installed that are not approved.

Note 1 to paragraph (g)(1)(i): Annex A to ASB 139-472 and ASB 189-138 is Moog Service Bulletin SB 16-01, Revision 5, undated.

(ii) If all of the screws are present, there is not any ferrule ended safety cable installed, the double-twist lock wire is correctly installed, and none of the double-twist lock wire is missing on each set of upper end and lower end fasteners of the M/R slip ring, before further flight, mark the letter “L” following the S/N on the identification label by following the Compliance Instructions, paragraph 3) of Annex A to ASB 139-472 or ASB 189-138, as applicable to your model helicopter.

(iii) If a screw is missing from the inner diameter (the connector flange) of the upper end of the M/R slip ring, before further flight, remove the M/R slip ring from service.

(iv) If a screw is missing from the outer diameter of the upper end, from the inner diameter of the lower end (shaft extension attachment area), or from the outer diameter of the lower end, before further flight, install a new screw and washer, apply a torque to 1-1.25 Nm, and install double-twist lock wire by following the Compliance Instructions, paragraphs 9)a) through g) of Annex A to ASB 139-472 or ASB 189-138, as applicable to your model helicopter.

(v) If any double-twist lock wire is not correctly installed, is missing, or if there is a ferrule ended safety cable installed on any set of upper end or lower end fasteners of the M/R slip ring, before further flight, remove the incorrectly installed lock wire or ferrule ended safety cable from service, as applicable, and inspect the fastener torque by applying 1-1.25 Nm of torque.

(A) If the torque of a screw installed in the inner diameter (the connector flange) of the upper end of the M/R slip ring is below 1 Nm of torque, do not remove or replace the screw, before further flight, apply a torque of 1-1.25 Nm.

(B) If the torque of a screw installed in the outer diameter of the upper end, in the inner diameter of the lower end (shaft extension attachment area), or in the outer diameter of the lower end is below 1 Nm of torque, before further flight, remove the affected screw and washer from service, install a new screw and washer, and apply a torque of 1-1.25 Nm.

(C) Install double-twist lock wire by following the Compliance Instructions, paragraphs 9)a) through g) of Annex A to ASB 139-472 or ASB 189-138, as applicable to your model helicopter.

(vi) Mark the letter “L” following the S/N on the identification label by following the Compliance Instructions, paragraph 3) of Annex A to ASB 139-472 or ASB 189-138, as applicable to your model helicopter.

(2) As of the effective date of this AD, do not install an M/R slip ring identified in paragraph (c) of this AD unless the requirements of paragraph (g)(1) of this AD have been accomplished.

#### **(h) Special Flight Permits**

Special flight permits are prohibited.

#### **(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 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the manager of the International Validation Branch, send it to the attention of the person identified in paragraph (j)(1) of this AD. Information may be emailed to: 9-AVS-AIR-730-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.

#### **(j) Related Information**

(1) For more information about this AD, contact Steven Warwick, Aerospace Engineer, Certification Section, Fort Worth ACO Branch, Compliance & Airworthiness Division, 10101 Hillwood Pkwy., Fort Worth, TX 76177; telephone (817) 222-5225; email [steven.r.warwick@faa.gov](mailto:steven.r.warwick@faa.gov).

(2) Moog Service Bulletin SB 16-01, Revision 5, undated, is attached as Annex A to both ASB 139-472 and ASB 189-138. As the design approval holder for the products identified in paragraph (c) of this AD, contact Leonardo Helicopters for the Moog service information at the contact information specified in paragraph (k)(3) of this AD. It is also available at the contact information specified in paragraph (k)(4) of this AD.

(3) The subject of this AD is addressed in European Aviation Safety Agency (now European Union Aviation Safety Agency) (EASA) AD 2017-0083, dated May 10, 2017, and EASA AD 2017-0087, dated May 12, 2017. You may view the EASA ADs at <https://www.regulations.gov> in Docket No. FAA-2021-0304.

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

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

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

(i) Leonardo Helicopters Alert Service Bulletin (ASB) No. 139-472, dated May 9, 2017.

(ii) Leonardo Helicopters ASB No. 189-138, dated May 12, 2017.

(3) For Leonardo Helicopters service information identified in this AD, contact Leonardo S.p.A. Helicopters, Emanuele Bufano, Head of Airworthiness, Viale G.Agusta 520, 21017 C.Costa di Samarate (Va) Italy; telephone +39-0331-225074; fax +39-0331-229046; or at <https://www.leonardocompany.com/en/home>.

(4) You may view this service information at the FAA, Office of the Regional Counsel, Southwest Region, 10101 Hillwood Pkwy., Room 6N-321, Fort Worth, TX 76177. For information on the availability of this material at the FAA, call (817) 222-5110.

(5) You may view this service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, email: [fedreg.legal@nara.gov](mailto:fedreg.legal@nara.gov), or go to: <https://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued on June 8, 2021.

Lance T. Gant,  
Director, Compliance & Airworthiness Division, Aircraft Certification Service.  
[FR Doc. 2021-13711 Filed 6-28-21; 8:45 am]



**2021-13-15 Bell Textron Canada Limited (Type Certificate Previously Held by Bell Helicopter Textron Canada Limited):** Amendment 39-21620; Docket No. FAA-2021-0267; Project Identifier 2017-SW-110-AD.

**(a) Effective Date**

This airworthiness directive (AD) is effective July 29, 2021.

**(b) Affected ADs**

None.

**(c) Applicability**

This AD applies to Bell Textron Canada Limited (type certificate previously held by Bell Helicopter Textron Canada Limited) Model 429 helicopters, certificated in any category, serial numbers 57001 and subsequent.

**(d) Subject**

Joint Aircraft Service Component (JASC) Code: 3200, Landing Gear Systems, and 2560, Emergency Equipment.

**(e) Unsafe Condition**

This AD was prompted by parts remaining in service beyond their fatigue life or beyond maintenance intervals required by the certification maintenance requirements (CMRs) of the Instructions for Continued Airworthiness. The FAA is issuing this AD to prevent failure of a part, which could result in loss of control of the helicopter.

**(f) Compliance**

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

**(g) Required Actions**

(1) Before further flight after the effective date of this AD, remove from service any part that has reached or exceeded its life limit as follows. Thereafter, remove from service each part on or before reaching its life limit as follows:

(i) Tail rotor outboard flapping bearing part number (P/N) 429-312-103-117 and 429-312-103-119: 15,000 total hours time-in-service (TIS).

(ii) Hoist kit cable cutter cartridge P/N 42315-281: 5 years since date of manufacture.

(2) Before further flight after the effective date of this AD, perform the following CMR tasks for any part that has reached or exceeded its CMR interval as follows. Thereafter, perform the following CMR tasks for each part on or before reaching its CMR interval as follows:

Note 1 to paragraph (g)(2): Chapter 4—Airworthiness Limitations Schedule of Bell Helicopter 429 Maintenance Manual BHT-429-MM-1 to Revision 26, dated September 9, 2016, contains additional information about the CMR tasks.

(i) Wheeled Landing Gear System P/N 429-705-001-101: 800 hours TIS or 1 year, whichever occurs first, perform a functional check of the Emergency Gear Release. If the functional check fails, before further flight, repair in accordance with FAA-approved procedures.

(ii) Float/Life Raft Kit P/N 429-706-069-101: 1,600 hours TIS, perform a functional check of the float/life raft kit electrical system to determine if there are any dormant failures including: Manual inflation switch, water immersion switch, auto-activation relay, manual activation relay, raft activation relay, test activation relay, and the fuse disc elements. If there is a failure, before next flight over water, replace the float/life raft.

(iii) Hoist Kit P/N 429-706-001-101:

(A) Before the first flight of the day involving a hoist operation, perform an operational check of the hoist cable anti-foul assembly. If the operational check fails, before next flight involving a hoist operation, repair or replace the anti-foul assembly.

(B) 3 hoist operating hours, clean, visually inspect the rescue hoist cable for damage, which may be indicated by a broken wire, kink, bird caging, flattened area, abrasion, or necking. If there is any damage, before further flight, replace the rescue hoist cable. If there is no damage, before further flight, lubricate the rescue hoist cable. For purposes of this AD, hoist operating hours are counted anytime the hoist motor is operating.

Note 2 to paragraph (g)(2)(iii)(B): Bell Helicopter service information refers to hoist operating hours as hoisting hours.

(C) 800 hours TIS or 1 year, whichever occurs first, perform an operational check of the speed limit switches and perform an operational check of the 600-pound external hoist electrical system to inspect operation of the HOIST HOT caution light. If an operational check fails, before next flight involving a hoist operation, repair in accordance with FAA-approved procedures or replace the hoist.

(D) 2,200 hours TIS or 111 hoist operating hours, whichever occurs first, perform a functional check of the cable cutter cartridge electrical system to inspect for correct functioning of the cable cutter switches (hoist pendant, pilot cyclic, and copilot cyclic) and associated wiring. If a functional check fails, before next flight involving a hoist operation, repair in accordance with FAA-approved procedures or replace the hoist.

(E) 111 hoist operating hours, overhaul or replace the hoist.

#### **(h) 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 (i)(1) of this AD. Information may be emailed to: 9-AVS-AIR-730-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.

**(i) Related Information**

(1) For more information about this AD, contact Matt Fuller, AD Program Manager, General Aviation & Rotorcraft Unit, Airworthiness Products Section, Operational Safety Branch, FAA, 10101 Hillwood Pkwy., Fort Worth, TX 76177; telephone (817) 222-5110; email [matthew.fuller@faa.gov](mailto:matthew.fuller@faa.gov).

(2) Chapter 4–Airworthiness Limitations Schedule of Bell Helicopter 429 Maintenance Manual BHT-429-MM-1 to Revision 26, dated September 9, 2016, which is not incorporated by reference, contains additional information about the subject of this AD. For service information identified in this AD, contact Bell Textron Canada Limited, 12,800 Rue de l'Avenir, Mirabel, Quebec J7J 1R4, Canada; telephone 1-450-437-2862 or 1-800-363-8023; fax 1-450-433-0272; email [productsupport@bellflight.com](mailto:productsupport@bellflight.com); or at <https://www.bellflight.com/support/contact-support>. You may view this referenced 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.

(3) The subject of this AD is addressed in Transport Canada AD CF-2017-16, dated May 17, 2017. You may view the Transport Canada AD at <https://www.regulations.gov> in Docket No. FAA-2021-0267.

Issued on June 17, 2021.

Gaetano A. Sciortino,  
Deputy Director for Strategic Initiatives, Compliance & Airworthiness Division, Aircraft Certification Service.

[FR Doc. 2021-13193 Filed 6-23-21; 8:45 am]





**2021-13-21 Leonardo S.p.a.:** Amendment 39-21627; Docket No. FAA-2021-0512; Project Identifier MCAI-2020-01621-R.

**(a) Effective Date**

This airworthiness directive (AD) becomes effective July 12, 2021.

**(b) Affected ADs**

None.

**(c) Applicability**

This AD applies to Leonardo S.p.a. Model AB139, AW139, and AW189 helicopters, certificated in any category, equipped with a main rotor swashplate boot, having part number (P/N) 3G6230V00251.

**(d) Subject**

Joint Aircraft System Component (JASC) Code 6230 Main Rotor Mast/Swashplate.

**(e) Unsafe Condition**

This AD was prompted by a report of the in-flight failure of one of the three stainless steel external rings bonded to the main rotor swashplate boot. The FAA is issuing this AD to address corrosion, cracking, and damage to the adhesive (e.g., disbonding) of any stainless steel external ring bonded to the main rotor swashplate boot, which could result in release of a ring from the main rotor swashplate boot, resulting in damage to, and reduced control of, 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, European Union Aviation Safety Agency (EASA) AD 2020-0271, dated December 8, 2020 (EASA AD 2020-0271).

**(h) Exceptions to EASA AD 2020-0271**

- (1) Where EASA AD 2020-0271 refers to its effective date, this AD requires using the effective date of this AD.
- (2) The "Remarks" section of EASA AD 2020-0271 does not apply to this AD.

(3) Where EASA AD 2020-0271 refers to flight hours (FH), this AD requires using hours time-in-service.

(4) Where paragraphs (3) and (6) of EASA AD 2020-0271 refer to “any discrepancy” or “discrepancies,” for this AD, discrepancies include corrosion (including superficial oxidation) and cracking.

(5) Where paragraph (4) of EASA AD 2020-0271 refers to “any discrepancy,” for this AD, discrepancies include corrosion (including superficial oxidation), cracking, and damage to the adhesive (e.g., disbonding).

(6) Paragraph (6) of EASA AD 2020-0271 specifies to report inspection results to Leonardo S.p.a. within a certain compliance time. For this AD, report inspection results at the applicable time specified in paragraph (h)(6)(i) or (ii) of this AD.

(i) If the inspection was done on or after the effective date of this AD: Submit the report within 30 days after the inspection.

(ii) If the inspection was done before the effective date of this AD: Submit the report within 30 days after 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 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the manager of the International Validation Branch, send it to the attention of the person identified in paragraph (j) of this AD. Information may be emailed to: 9-AVS-AIR-730-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.

### **(j) Related Information**

For more information about this AD, contact Darren Gassetto, Aerospace Engineer, COS Program Management Section, Operational Safety Branch, Compliance & Airworthiness Division, FAA, 1600 Stewart Ave., Suite 410, Westbury, NY 11590; telephone (516) 228-7323; email Darren.Gassetto@faa.gov.

### **(k) 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 5 U.S.C. 552(a) and 1 CFR part 51.

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

(i) European Union Aviation Safety Agency (EASA) AD 2020-0271, dated December 8, 2020.

(ii) [Reserved]

(3) For EASA AD 2020-0271, contact the EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 8999 000; email ADs@easa.europa.eu; internet www.easa.europa.eu. You may find this EASA AD on the EASA website at <https://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 on the internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2021-0512.

(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 [fedreg.legal@nara.gov](mailto:fedreg.legal@nara.gov), or go to <https://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued on June 18, 2021.

Lance T. Gant,

Director, Compliance & Airworthiness Division, Aircraft Certification Service.

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