

**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES**

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

BIWEEKLY 2020-19

8/31/2020 - 9/13/2020



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 2020-01

2019-22-08

Leonardo S.p.A

AW169 and AW189 helicopters

Biweekly 2020-02

We published no ADs for the Small AD Biweekly during this period.

Biweekly 2020-03

We published no ADs for the Small AD Biweekly during this period.

Biweekly 2020-04

2020-02-11 R 2015-04-04
2020-02-17
2020-02-23

Bell Helicopter Textron Inc.
Sikorsky Aircraft Corporation
Airbus Helicopters

412 and 412EP helicopters
S-70, S-70A, S-70C, S-70C(M), and S-70C(M1) helicopters
AS350B, AS350BA, AS350B1, AS350B2, AS350B3,
AS350C, AS350D, and AS350D1; AS355E, AS355F,
AS355F1, AS355F2, AS355N, and AS355NP helicopters
SF50 airplanes

2020-03-50

Cirrus Design Corporation

Biweekly 2020-05

2020-03-13
2020-03-16

Leonardo S.p.A.
Textron Aviation Inc.

AW189 helicopters
210G, T210G, 210H, T210H, 210J, T210J, 210K, T210K,
210L, T210L, 210M, and T210M airplanes

Biweekly 2020-06

2020-04-21

Bell Helicopter Textron Canada
Limited

429 helicopters

2020-05-11

Robinson Helicopter Company

R44 and R44 II helicopters

Biweekly 2020-07

2020-04-13
2020-04-14
2020-04-21

Daher Aircraft Design, LLC
Honda Aircraft Company LLC
Bell Helicopter Textron Canada
Limited

KODIAK 100 airplanes
HA-420 airplanes
429 helicopters

2020-05-20

Airbus Helicopters

AS332C, AS332C1, AS332L, AS332L1, and AS332L2
helicopters

2020-05-23
2020-06-11

Airbus Helicopters
MD Helicopters Inc.

AS332C, AS332C1, AS332L, and AS332L1 helicopters
600N helicopters

Biweekly 2020-08

2020-06-12
2020-06-13

Airbus Helicopters
Airbus Helicopters

AS332L2 and EC225LP helicopters
AS332C, AS332C1, AS332L, and AS332L1 helicopters

Biweekly 2020-09

2020-07-15
2020-07-22
2020-08-02

PZL Swidnik S.A.
PZL Swidnik S.A.
Thales AVS France SAS

PZL W-3A helicopters
PZL W-3A helicopters
Global Positioning System/Satellite Based Augmentation
System receivers

2020-08-10
2020-09-01

R 2008-24-04

Robinson Helicopter Company
Airbus Helicopters

R44 and R44 II helicopters
AS355E, AS355F, AS355F1, AS355F2, and AS355N
helicopters

2020-09-02

R 2017-16-04

Anjou Aeronautique

Torso restraint systems

Biweekly 2020-10

2020-09-04

Aermacchi S.p.A.

F.260, F.260B, F.260C, F.260D, F.260E, and F.260F

Biweekly 2020-11

2020-09-15
2020-10-02
2020-10-03

R 2011-12-07

Airbus Helicopters
Airbus Helicopters

AS332C, AS332C1, AS332L, and AS332L1
SA-365C, SA-365C1, SA-365C2, SA-365N, SA-365N1,
AS-365N2, AS 365 N3, and SA-366G1
201, 201A, 201B, 201C, 620, 620A, 620B, 620B-TG, and
620TP

2020-10-05

Rockwell Collins, Inc

Flight Management Systems

SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

AD No.	Information	Manufacturer	Applicability
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2020-11-02		Airbus Helicopters	AS332C, AS332C1, AS332L, AS332L1, AS332L2, and EC225LP
2020-11-04		Learjet Inc.	60
2020-11-05		Airbus Helicopters	EC120B
Biweekly 2020-12			
2020-11-06		Pilatus Aircraft Ltd	PC-6, 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, PC-6/C1-H2, PC-6-H1, and PC-6-H2
2020-11-07		MD Helicopter Inc.	369D, 369E, 369FF, 369H, 369HE, 369HM, 369HS, 500N, and 600N
Biweekly 2020-13			
2020-03-50		Cirrus Design Corporation	SF50
2020-12-02		Airbus Helicopters	EC120B
2020-12-07		Hamilton Sundstrand Corporation	54H60
2020-12-08	R 2011-20-01	Embraer S.A.	EMB-505
2020-12-10	R 2011-12-08	Bell Textron Inc.	205A, 205A-1, 205B, 212, 412, 412CF, and 412EP
Biweekly 2020-14			
2020-12-09		Airbus Helicopters	EC130B4 and EC130T2
2020-13-02		Leonardo S.p.A.	A119 and AW119 MKII
2020-13-03	R 2018-07-15	XtremeAir GmbH Airplanes	XA42
Biweekly 2020-15			
2020-13-01		Quest Aircraft Design, LLC	KODIAK 100
2020-14-01		Bell Textron Inc.	214ST
2020-14-06		Diamond Aircraft Industries Inc.	DA 40, DA 40 F, and DA 40 NG
2020-15-01		Airbus Helicopters	EC 155B and EC155B1
Biweekly 2020-16			
2020-14-07		Austro Engine GmbH	E4 and E4P
2020-15-03	R 2016-07-13 R 2018-03-22	GE Aviation Czech s.r.o.	M601D-11, M601E-11, M601E-11A, M601E-11AS, M601E-11S, and M601F
2020-15-04		GE Aviation Czech s.r.o.	M601D-11, M601E-11, M601E-11A, M601E-11AS, M601E-11S, M601F, H75-100, H75-200, H80, H80-100, H80-200, H85-100, and H85-200
2020-15-05	R 2018-18-02	Austro Engine GmbH	E4 and E4P
2020-15-06		PZL Swidnik S.A.	W-3A
2020-15-11		PZL Swidnik S.A.	PZL W-3A
2020-15-13	R 2017-02-07	Airbus Helicopters Deutschland GmbH	MBB-BK 117 C-2 and MBB-BK 117 D-2
2020-15-15		Airbus Helicopters	EC225LP
2020-15-16	R 2018-07-08	Leonardo S.p.A.	A109E, A109K2, A109S, AW109SP, A119, and AW119 MKII
2020-15-18		Leonardo S.p.A.	AB139, AW139, AW169, and AW189
2020-15-19		Pacific Aerospace Limited	750XL
2020-16-03		PZL Swidnik S.A.	PZL W-3A
2020-16-08		Aspen Avionics, Inc.	Evolution Flight Display (EFD) EFD1000 Primary Flight Display, EFD1000 Multi-Function Display, and EFD1000 Emergency Backup Display
2020-16-10		Bell Textron Inc.	204B, 205A, 205A-1, 205B, 212, 214B, 214B-1, 412, 412CF, and 412EP
Biweekly 2020-17			
2020-13-01	COR	Daher Aircraft Design, LLC	KODIAK 100
2020-13-09		DG Flugzeugbau GmbH	DG-500 Elan Orion, DG-500 Elan Trainer, DG-500/20 Elan, DG-500/22 Elan, DG-500M, and DG-500MB
2020-15-17		Sikorsky Aircraft Corporation	S-76C
2020-16-02		Pilatus Aircraft Ltd.	PC-6, 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-

SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

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2020-16-04 2020-16-05 2020-16-09 2020-17-05	R 2009-25-09	Pacific Aerospace Limited Blanik Aircraft CZ s.r.o. Airbus Helicopters Airbus Helicopters Deutschland GmbH	H2, PC-6/B2-H4, PC-6/C-H2, PC-6/C1-H2, PC-6-H1, and PC-6-H2 750XL L 23 Super-Blanik SA330J MBB-BK 117 D-2
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Biweekly 2020-18

2020-15-18 2020-16-06 2020-16-07 2020-16-08	COR COR	Leonardo S.p.A. Aviat Aircraft Inc. Pacific Aerospace Limited Aspen Avionics, Inc.	AB139, AW139, AW169, and AW189 A-1, A-1A, A-1B, A-1C-180, and A-1C-200 750X Evolution Flight Display (EFD) EFD1000 Primary Flight Display, EFD1000 Multi-Function Display, and EFD1000 Emergency Backup Display
2020-16-11		Continental Aerospace Technologies, Inc.	GTSIO-520-C, GTSIO-520-D, GTSIO-520-H, GTSIO-520-K, GTSIO-520-L, GTSIO-520-M, GTSIO-520-N, IO-550-G, IO-550-N, IO-550-P, IO-550-R, IOF-550-N, IOF-550-P, IOF-550-R, TSIO-520-BE, TSIO-550-A, TSIO-550-B, TSIO-550-C, TSIO-550-E, TSIO-550-G, TSIO-550-K, TSIO-550-N, TSIOF-550-D, TSIOF-550-J, TSIOF-550-K, and TSIOF-550-P
2020-16-12 2020-16-15 2020-16-16 2020-16-19 2020-16-20 2020-17-08 2020-17-09 2020-17-10	R 2018-04-09 R 2016-02-06	Pacific Aerospace Limited Viking Air Limited Pacific Aerospace Limited Sikorsky Aircraft Corporation Pacific Aerospace Limited Pacific Aerospace Limited GA 8 Airvan (Pty) Ltd Bell Helicopter Textron Canada Limited	750XL DHC-2 Mk. I and DHC-2 Mk. III 750XL S-92A 750XL 750XL GA8 and Model GA8-TC320 429
2020-17-11 2020-18-08 2020-18-51	R 2017-14-05 R 2019-12-18 E	Airbus Helicopters Robinson Helicopter Company Sandia Attitude Indicator	SA330J R44 II Attitude Indicator

Biweekly 2020-19

2015-17-01R1	R 2015-17-01	Airbus Helicopters	AS350B, AS350BA, AS350B1, AS350B2, AS350B3, AS350C, AS350D, AS350D1, AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP
2020-18-05 2020-18-19 2020-18-51 2020-19-04	R 2014-12-07	Pratt & Whitney Canada Corp Leonardo S.p.a. Sandia Attitude Indicator Leonardo S.p.a.	PT6B-37A AB412 and AB412EP Attitude indicator AB139 and AW139



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www.faa.gov/aircraft/safety/alerts/
www.gpoaccess.gov/fr/advanced.html

2015-17-01R1 Airbus Helicopters: Amendment 39-21246; Docket No. FAA-2020-0463; Product Identifier 2013-SW-041-AD.

(a) Effective Date

This AD is effective September 11, 2020.

(b) Affected ADs

This AD replaces AD 2015-17-01, Amendment 39-18234 (80 FR 50554, August 20, 2015).

(c) Applicability

This AD applies to Airbus Helicopters Model AS350B, AS350BA, AS350B1, AS350B2, AS350B3, AS350C, AS350D, AS350D1, AS355E, AS355F, AS355F1, AS355F2, AS355N, and AS355NP helicopters, certificated in any category, with tail rotor hub pitch horn (pitch horn) assembly, part number (P/N) 350A121368.01, 350A121368.02, 350A121368.03, or 350A121368.04, with a pitch horn, P/N 350A121368.XX, where XX stands for a two-digit dash number, installed. The pitch horn may be marked with either the pitch horn assembly P/N or pitch horn P/N.

(d) Related Information

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

Issued on September 3, 2020.

Lance T. Gant,
Director, Compliance & Airworthiness Division, Aircraft Certification Service.
[FR Doc. 2020-20001 Filed 9-10-20; 8:45 am]



FAA
Aviation Safety

AIRWORTHINESS DIRECTIVE

www.faa.gov/aircraft/safety/alerts/
www.gpoaccess.gov/fr/advanced.html

2020-18-05 Pratt & Whitney Canada Corp: Amendment 39-21226; Docket No. FAA-2020-0471; Project Identifier MCAI-2019-00126-E.

(a) Effective Date

This AD is effective October 7, 2020.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Pratt & Whitney Canada Corp. (P&WC) PT6B-37A model turboshaft engines with engine serial number PCE-PU0289 and earlier, which do not have an installed fuel control unit (FCU) that incorporates a stainless steel air adapter using P&WC Service Bulletin (SB) No. PT6B-72-39107, Revision No. 1, dated December 13, 2017.

(d) Subject

Joint Aircraft System Component (JASC) Code 7321, Fuel Control/Turbine Engines.

(e) Unsafe Condition

This AD was prompted by a report of contamination from galvanic corrosion between the FCU aluminum body and the steel union fitting causing the loss of engine control, resulting in an engine over-speed condition and subsequent in-flight shutdown (IFSD). The FAA is issuing this AD to prevent failure of the FCU due to contamination from galvanic corrosion. The unsafe condition, if not addressed, could result in loss of engine control, failure of the engine, IFSD, and loss of the helicopter.

(f) Compliance

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

(g) Required Actions

Within the compliance time identified in Table 1 to paragraph (g) of this AD, replace the FCU with an FCU that incorporates the stainless steel air adapter using the Accomplishment Instruments, paragraphs 3.A. and 3.C., of P&WC SB No. PT6B-72-39107, Revision No. 1, dated December 13, 2017.

Table 1 to paragraph (g) – Compliance time requirements

Compliance Time (A or B, whichever occurs later after the effective date of this AD)	
A	Before the FCU accumulates 1,500 flight hours, or before the FCU accumulates six years since new or last overhaul, whichever occurs first.
B	Within six months.

(h) Credit for Previous Actions

You may take credit for the replacement of the FCU that is required by paragraph (g) of this AD if you replaced the FCU with an FCU that incorporates a stainless steel air adapter before the effective date of this AD using P&WC SB No. PT6B-72-39107, Original Issue, dated December 15, 2016.

(i) Alternative Methods of Compliance (AMOCs)

(1) The Manager, ECO 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 ECO Branch, send it to the attention of the person identified in paragraph (j)(1) of this AD. You may email your request to: ANE-AD-AMOC@faa.gov.

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

(j) Related Information

(1) For more information about this AD, contact Mehdi Lamnyi, Aerospace Engineer, ECO Branch, FAA, 1200 District Avenue, Burlington, MA 01803; phone: 781-238-7743; fax: 781-238-7199; email: Mehdi.Lamnyi@faa.gov.

(2) Refer to Transport Canada Civil Aviation (Transport Canada) AD CF-2019-05, dated February 19, 2019, for more information. You may examine the Transport Canada AD in the AD docket on the internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2020-0471.

(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 the AD specifies otherwise.

(i) Pratt & Whitney Canada Corp. (P&WC) Service Bulletin No. PT6B-72-39107, Revision No. 1, dated December 13, 2017.

(ii) [Reserved]

(3) For P&WC service information identified in this AD, contact Pratt & Whitney Canada Corp., 1000 Marie-Victorin, Longueuil, Quebec, Canada, J4G 1A1; phone: 800-268-8000; fax: 450-647-2888; website: <https://www.pwc.ca/en/>.

(4) You may view this service information at FAA, Airworthiness Products Section, Operational Safety Branch, 1200 District Avenue, Burlington, MA 01803. For information on the availability of this material at the FAA, call 781-238-7759.

(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, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued on August 20, 2020.

Lance T. Gant,

Director, Compliance & Airworthiness Division, Aircraft Certification Service.

[FR Doc. 2020-19299 Filed 9-1-20; 8:45 am]



2020-18-19 Leonardo S.p.a.: Amendment 39-21240; Docket No. FAA-2020-0784; Product Identifier 2016-SW-087-AD.

(a) Applicability

This AD applies to Leonardo S.p.a. Model AB412 and AB412EP helicopters, certificated in any category, with a rotor brake pinion (pinion) part number (P/N) 412-040-301-101 installed.

(b) Unsafe Condition

This AD defines the unsafe condition as a crack in a pinion. This condition could result in failure of a pinion, detachment of parts inside the transmission causing a malfunction or jamming, and subsequent loss of control of the helicopter.

(c) Affected ADs

This AD supersedes AD 2014-12-07, Amendment 39-17868 (79 FR 35035, June 19, 2014).

(d) Effective Date

This AD becomes effective September 21, 2020.

(e) Compliance

You are responsible for performing each action required by this AD within the specified compliance time unless it has already been accomplished prior to that time.

(f) Required Actions

(1) Within 75 hours time-in-service (TIS), remove from service:

- (i) Pinion P/N 412-040-301-101 with serial number C17987;
- (ii) Pinion P/N 412-040-301-101 with serial number C17990; and
- (iii) Pinion P/N 412-040-301-101 with serial number C17991.

(2) Within 100 hours TIS, if the rotor brake quill has never been overhauled, perform a magnetic particle inspection on each pinion for a crack. If there is a crack, before further flight, remove the pinion from service.

(3) As of the effective date of this AD, do not install pinion P/N 412-040-301-101 with serial number C17987, C17990, or C17991 on any helicopter.

(g) Special Flight Permits

Special flight permits are prohibited.

(h) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Rotorcraft Standards Branch, FAA, may approve AMOCs for this AD. Send your proposal to: Matt Fuller, AD Program Manager, Continued Operational Safety Branch, Airworthiness Products Section, General Aviation and Rotorcraft Unit, 10101 Hillwood Pkwy., Fort Worth, TX 76177; telephone 817-222-5110; email Matthew.Fuller@faa.gov.

(2) For operations conducted under a 14 CFR part 119 operating certificate or under 14 CFR part 91, subpart K, we suggest that you notify your principal inspector, or lacking a principal inspector, the manager of the local flight standards district office or certificate holding district office, before operating any aircraft complying with this AD through an AMOC.

(i) Additional Information

(1) Leonardo Helicopters Bollettino Tecnico (BT) No. 412-147, dated September 12, 2016, and AgustaWestland BT No. 412-135, Revision A, dated July 29, 2013, which are not incorporated by reference, contain additional information about the subject of this AD. For 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>. You may review a copy of the service information at the FAA, Office of the Regional Counsel, Southwest Region, 10101 Hillwood Pkwy, Room 6N-321, Fort Worth, TX 76177.

(2) The subject of this AD is addressed in European Aviation Safety Agency (now European Union Aviation Safety Agency) (EASA) No. AD 2016-0244, dated December 14, 2016. You may view the EASA AD on the internet at <https://www.regulations.gov> by searching for and locating it in Docket No. FAA-2020-0784.

(j) Subject

Joint Aircraft Service Component (JASC) Code: 6321, Main Rotor Brake.

Issued on August 31, 2020.

Gaetano A. Sciortino,

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

[FR Doc. 2020-19533 Filed 9-3-20; 8:45 am]



2020-18-51 Sandia Attitude Indicator: Amendment 39-21249; Docket No. FAA-2020-0794;
Project Identifier AD-2020-01232-Q.

(a) Effective Date

This AD is effective September 28, 2020 to all persons except those persons to whom it was made immediately effective by Emergency AD 2020-18-51, issued on August, 28, 2020, which contains the requirements of this AD.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Sandia attitude indicator (attitude indicator) part number 306171-10 and 306171-20. These attitude indicators may be marked as BendixKing Model KI-300 or Sandia Model SAI-340A. They may be installed on airplanes certificated in any category.

(d) Subject

Joint Airplane Service Component (JASC) Code: 3420, Attitude and Direction Data System.

(e) Unsafe Condition

This AD was prompted by reports of 54 failed attitude indicators, which produced erroneous attitude data to the pilot and autopilot, if equipped. The FAA is issuing this AD to prevent aeronautical decision-making based on erroneous attitude information, which may result in loss of control of the airplane.

(f) Compliance

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

(g) Required Actions

(1) Before further flight, revise the limitations section of the existing Airplane Flight Manual for your airplane by inserting a copy of this AD or by making pen and ink changes to add:

(i) "Operation under Instrument Flight Rules or night Visual Flight Rules is prohibited."

(ii) "Coupling the autopilot with Sandia attitude indicator part number 306171-10 or 306171-20 is prohibited. These attitude indicators may be marked as BendixKing Model KI 300 or Sandia Model SAI 340A."

(2) The action required by paragraph (g)(1) of this AD may be performed by the owner/operator (pilot) holding at least a private pilot certificate and must be entered into the aircraft records showing

compliance with this AD in accordance with 14 CFR 43.9(a)(1) through (4) and 14 CFR 91.417(a)(2)(v). The record must be maintained as required by 14 CFR 91.417. This authority is not applicable to aircraft being operated under 14 CFR part 119.

(h) Special Flight Permits

Special flight permits are prohibited.

(i) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Fort Worth ACO 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 certification office, send it to the attention of the person identified in paragraph (j) of this AD. Information may be emailed to: 9-ASWFWACO@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 further information about this AD, contact: John Felton, Aerospace Engineer, Fort Worth ACO Branch, Compliance & Airworthiness Division, FAA, 10101 Hillwood Pkwy., Fort Worth, TX 76177; telephone 817-222-5171; email john.felton@faa.gov.

Issued on September 4, 2020.

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

[FR Doc. 2020-20049 Filed 9-10-20; 8:45 am]



2020-19-04 Leonardo S.p.a.: Amendment 39-21245; Docket No. FAA-2020-0554; Product Identifier 2016-SW-088-AD.

(a) Applicability

This AD applies to Leonardo S.p.a. Model AB139 and AW139 helicopters, certified in any category, with main gearbox (MGB) input module part number (P/N) 3K6320A00135 with serial number (S/N) KHI-200 or P/N 3K6320A00136 with an S/N listed in Table 1 to this paragraph installed.

Table 1 to Paragraph (a)

P/N 3K6320A00136 MGB Input Modules (S/N)					
KHI-395	KHI-E82	KHI-E87	KHI-E88	KHI-E89	KHI-E90
KHI-E91	KHI-E92	KHI-E94	KHI-E98	KHI-F01	KHI-F04
KHI-F07	KHI-F11	KHI-F13	KHI-F15	KHI-F16	KHI-F22
KHI-F23	KHI-F26	KHI-F27	KHI-F29	KHI-F31	KHI-F34
KHI-F35	KHI-F39	KHI-F40	KHI-F45	KHI-F46	KHI-F51
KHI-F53	KHI-F55	KHI-F58	KHI-F59	KHI-F60	KHI-F63
KHI-F74	KHI-F75	KHI-F87	KHI-F92	KHI-F93	KHI-F96
KHI-G09	KHI-G10	KHI-G15	KHI-G18	KHI-G19	KHI-G21
KHI-G25	KHI-G26	KHI-G31	KHI-G32	KHI-G35	KHI-G38
KHI-G39	KHI-G41	KHI-G44	KHI-G56	KHI-G58	KHI-G60
KHI-G62	KHI-G63	KHI-G65	KHI-G68	KHI-G70	KHI-G71
KHI-G72	KHI-G76	KHI-G77	KHI-G79	KHI-G81	

(b) Unsafe Condition

This AD defines the unsafe condition as defective duplex bearings on MGB input modules, due to a quality control issue. This condition could result in damage including corrosion and cracking, which could result in excessive heat of the input module duplex ball bearing inner race and subsequent loss of engine power and loss of helicopter control.

(c) Effective Date

This AD becomes effective October 15, 2020.

(d) Compliance

You are responsible for performing each action required by this AD within the specified compliance time unless it has already been accomplished prior to that time.

(e) Required Actions

(1) If the P/N and S/N of both MGB input modules are listed in paragraph (a) of this AD, within 300 hours time-in-service (TIS), remove from service each MGB input module.

(2) If the P/N and S/N of only one MGB input module are listed in paragraph (a) of this AD, within 1,200 hours TIS, remove from service that MGB input module.

(3) After the effective date of this AD, do not install an MGB input module with a P/N and S/N listed in paragraph (a) of this AD on any helicopter.

(f) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Rotorcraft Standards Branch, FAA, may approve AMOCs for this AD. Send your proposal to: Rao Edupuganti, Aviation Safety Engineer, Regulations and Policy Section, Rotorcraft Standards Branch, FAA, 10101 Hillwood Pkwy., Fort Worth, TX 76177; telephone 817-222-5110; email 9-ASW-FTW-AMOC-Requests@faa.gov.

(2) For operations conducted under a 14 CFR part 119 operating certificate or under 14 CFR part 91, subpart K, the FAA suggests that you notify your principal inspector, or lacking a principal inspector, the manager of the local flight standards district office or certificate holding district office before operating any aircraft complying with this AD through an AMOC.

(g) Additional Information

(1) Leonardo Helicopters Bollettino Tecnico No. 139-303, dated September 20, 2016, which is not incorporated by reference, contains additional information about the subject of this AD. For 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>. You may view a copy of the service information at the FAA, Office of the Regional Counsel, Southwest Region, 10101 Hillwood Pkwy., Room 6N-321, Fort Worth, TX 76177.

(2) The subject of this AD is addressed in European Aviation Safety Agency (now European Union Aviation Safety Agency) (EASA) AD No. 2016-0255R1, dated January 17, 2017. You may view the EASA AD on the internet at <https://www.regulations.gov> in Docket No. FAA-2020-0554.

(h) Subject

Joint Aircraft Service Component (JASC) Code: 6320, Rotor Drive-Gearbox.

Issued on September 3, 2020.

Lance T. Gant,

Director, Compliance & Airworthiness Division, Aircraft Certification Service.

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