

**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES**

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

BIWEEKLY 2019-14

6/24/2019 - 7/7/2019



Federal Aviation Administration
Continued Operational Safety Policy Section, AIR-141
P.O. Box 25082
Oklahoma City, OK 73125-0460

CHANGE OF ADDRESS NOTICE

Any change of address regarding the biweekly service must include the mailing label from a recent issue or your name and address printed exactly as they appear on the mailing label (including the computer number above the address).

Please allow one month for an address change.

MAIL YOUR ADDRESS CHANGE TO:

Superintendent of Documents
Government Printing Office
Mail List Branch SSOM
Washington, DC 20402

Telephone: (202) 512-1806
Facsimile: (202) 512-2250

SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

AD No.	Information	Manufacturer	Applicability
--------	-------------	--------------	---------------

Information Key: E - Emergency; COR - Correction; S – Supersedes; R - Replaces

Biweekly 2019-01

2018-26-02	R 2016-25-19	Airbus Helicopters	AS350B3; EC130B4; EC130T2 helicopters
------------	--------------	--------------------	---------------------------------------

Biweekly 2019-02

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

Biweekly 2019-03

2019-01-02		Aspen Avionics, Inc.	Evolution Flight Display (EFD) EFD1000 Primary Flight Display, EFD1000 Multi-Function Display (MFD), EFD1000 Emergency Backup Display, or EFD500 MFD units
------------	--	----------------------	--

Biweekly 2019-04

2019-02-02		Pacific Aerospace Ltd.	FBA-2C1, FBA-2C2, FBA-2C3, and FBA-2C4 airplanes
2019-02-05	R 2013-11-03	Viking Air Limited	CL-215-1A10, CL-215-6B11 airplanes

Biweekly 2019-05

2014-05-06 R2	R 2014-05-06 R1	Airbus Helicopters Deutschland GmbH	EC135 P1, P2, P2+, T1, T2, and T2+; MBB-BK 117 C-2 helicopters
2018-21-14		Zodiac Aerotechnics	MC10 series crew oxygen mask regulators
2018-22-11		Safran Helicopter Engines	ASTAZOU XIV B and H model engines
2019-03-02		Pacific Aerospace Limited	750XL airplanes
2019-03-05		Bell Helicopter Textron Canada Limited	429 helicopters

Biweekly 2019-06

2019-03-12		Airbus Helicopters	EC225 LP helicopters
2019-05-03		Leonardo S.p.A.	AB139 and AW139; AW169 and AW189 helicopters
2019-05-04		MD Helicopters, Inc.	369A, 369D, 369E, 369FF, 369H, 369HE, 369HM, 369HS, 500N, and 600N helicopters
2019-05-05	R 97-26-03	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 helicopters
2019-05-06		Airbus Helicopters Deutschland GmbH	EC135P1, EC135P2, EC135P2+, EC135P3, EC135T1, EC135T2, EC135T2+, and EC135T3 helicopters

Biweekly 2019-07

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

Biweekly 2019-08

2019-04-01		HPH s. r.o.	Glasfögel 304C, Glasfögel 304CZ, and Glasfögel 304CZ-17 gliders
2019-05-15		Pilatus Aircraft Ltd	PC-7 airplanes
2019-06-04		Bell Helicopter Textron Canada Limited	429 helicopters
2019-06-05		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, MBB-BK 117 C-1, and MBB-BK 117 C-2 helicopters
2019-06-10		Vulcanair S.p.A.	AP68TP-300 “SPARTACUS”; AP68TP-600 “VIATOR” airplanes
2019-06-11		Pacific Aerospace Limited	750XL airplanes
2019-07-02		Robinson Helicopter Company	R66 helicopters

Biweekly 2019-09

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 helicopters
2019-07-08		GA 8 Airvan (Pty) Ltd	GA8 and Model GA8-TC320 airplanes
2019-07-10	A 2010-26-09	Northrop Grumman LITEF GmbH	LCR-100 Attitude and Heading Reference System

SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

AD No.	Information	Manufacturer	Applicability
--------	-------------	--------------	---------------

Information Key: E - Emergency; COR - Correction; S – Supersedes; R - Replaces

2019-08-51	E	Cirrus Design Corporation (Cirrus)	SF50 airplanes
------------	---	---------------------------------------	----------------

Biweekly 2019-10

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

Biweekly 2019-11

2019-08-10		Bell Helicopter Textron Canada Limited (Bell)	Model 206A, 206B, 206L, 206L-1, 206L-3, 206L-4, and 407 helicopters
2019-08-13		Textron Aviation, Inc.	Models 525, 525A, and 525B airplanes
2019-09-02	R 2018-17-01	Bell Helicopter Textron, Inc. (Bell)	Bell Model 212, 412, 412CF, and 412EP helicopters
2019-09-03		Airbus Helicopters	Model AS332C, AS332C1, AS332L, and AS332L1 helicopters
2019-10-51	E	Airbus Helicopters Deutschland GmbH (Airbus)	Model MBB-BK 117 C-2 helicopters

Biweekly 2019-12

2019-09-04		Leonardo S.p.A.	Model AW109SP helicopters
2019-10-04		BRP-Rotax GmbH & Co KG	BRP-Rotax GmbH & Co KG (Rotax) 912 F2, 912 F3, and 912 F4, 912 S2, 912 S3, and 912 S4, Rotax 914 F2, 914 F3, and 914 F4, and Rotax 912 F2, 912 F3, 912 F4, 912 S2, 912 S3, 912 S4, 914 F2, 914 F3, and 914 F4 engines
2019-10-07		Pilatus Aircraft Ltd	Models 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, PC-6-H2 airplanes
2019-11-04		Airbus Helicopters Deutschland GmbH	Model MBB-BK 117 D-2 helicopters
2019-11-05		Bell Helicopter Textron Canada Limited	429 helicopters

Biweekly 2019-13

2019-08-51		Cirrus Design Corporation	Model SF50 airplanes
2019-10-06		Aviat Aircraft Inc	Models A-1C-180 and A-1C-200 airplanes
2019-11-07		Rolls-Royce plc	(RR) RB211-524G2-19, RB211-524G2-T-19, RB211-524G3-19, RB211-524G3-T-19, RB211-524H2-19, RB211-524H2-T-19, RB211-524H-36 and RB211-524H-T-36 engines
2019-11-08		International Aero Engines	PW1133G-JM, PW1133GA-JM, PW1130G-JM, PW1129G-JM, PW1127G-JM, PW1127GA-JM, PW1127G1-JM, PW1124G-JM, PW1124G1-JM, and PW1122G-JM model turbofan engines
2019-12-01		CFM International S.A	LEAP-1B21, -1B23, -1B25, -1B27, -1B28, -1B28B1, -1B28B2, -1B28B3, -1B28B2C, -1B28BBJ1, and -1B28BBJ2 model turbofan
2019-12-05		CFM International S.A	CFM56-5B1, -5B2, -5B4, -5B5, -5B6, -5B7, -5B1/P, -5B2/P, -5B3/P, -5B4/P, -5B5/P, -5B6/P, -5B7/P, -5B8/P, -5B9/P, -5B3/P1, -5B4/P1, -5B1/2P, -5B2/2P, -5B3/2P, -5B4/2P, -5B6/2P, -5B9/2P, -5B3/2P1, -5B4/2P1, -7B20, -7B22, -7B24, -7B26, -7B27, -7B22/B1, -7B24/B1, -7B26/B1, -7B26/B2, -7B27/B1, -7B27/B3, -7B20/2, -7B22/2, -7B24/2, -7B26/2, -7B27/2, -7B27A model turbofan engines

Biweekly 2019-14

2019-12-06		Leonardo S.p.A.	Model AW139 helicopters
2019-12-12		Piper Aircraft, Inc.	Model PA-46-600TP (M600) airplanes
2019-12-14		Airbus Helicopters Deutschland GmbH	Model MBB-BK 117 C-2 helicopters
2019-12-15		Leonardo S.p.A	Model AB139 and AW139 helicopters
2019-12-18		Robinson Helicopter Company	Model R44 II helicopters



2019-12-06 Leonardo S.p.A. (Type Certificate Previously Held by Finmeccanica S.p.A, AgustaWestland S.p.A.): Amendment 39-19661; Docket No. FAA-2018-0737; Product Identifier 2017-SW-096-AD.

(a) Applicability

This AD applies to Model AW139 helicopters, serial numbers 31499, 31504, 31507, 31509, 31512, 31518, 31519, 31524, 31529, 31533, 31535 through 31564, 31567, 31569, 31570, 31589, 41363, 41368 through 41370, 41372 through 41375, 41378, 41381, and 41384, with a tunnel assembly part number (P/N) 3G7130A13431 installed, certificated in any category.

(b) Unsafe Condition

This AD defines the unsafe condition as a crack in a tail rotor driveshaft. This condition could result in failure of the tail rotor drive system and subsequent loss of control of the helicopter.

(c) Effective Date

This AD becomes effective July 30, 2019.

(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) Within 30 hours time-in-service (TIS) and thereafter at intervals not to exceed 100 hours TIS, inspect the number 1 driveshaft tube shaft, P/N 3G6510A00832, for a scratch and indentation in the area depicted in Figure 1 of Leonardo Helicopters Bollettino Tecnico No. 139-465, Revision A, dated January 25, 2017 (BT 139-465). If there is a scratch or indentation, before further flight:

(i) Repair the tube shaft in accordance with the Compliance Instructions, Part I, paragraphs 7.1 through 7.3, of BT 139-465.

(ii) Measure the depth of the repaired areas as depicted in Figure 2 of BT 139-465.

(A) If the depth of the reworked area is 0.2 mm (0.079 inch) or less, eddy-current inspect the driveshaft for a crack as described in the Compliance Instructions, Annex A, of BT 139-465. If there is a crack, before further flight, replace the driveshaft, alter the rear exhaust module, and alter and re-identify the tunnel assembly in accordance with the Compliance Instructions, Part II, paragraphs 7 through 12, of BT 139-465.

(B) If the depth of the reworked area is more than 0.2 mm (0.079 inch), before further flight, replace the driveshaft, alter the rear exhaust module, and alter and re-identify the tunnel assembly in accordance with the Compliance Instructions, Part II, paragraphs 7 through 12, of BT 139-465.

(2) Within 300 hours TIS, unless already accomplished as required by paragraph (e)(1)(ii) of this AD, alter the rear exhaust module and alter and re-identify the tunnel assembly in accordance with the Compliance Instructions, Part II, paragraphs 7 through 12, of BT 139-465.

(f) Special Flight Permits

Special flight permits are prohibited.

(g) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Safety Management Section, Rotorcraft Standards Branch, FAA, may approve AMOCs for this AD. Send your proposal to: David Hatfield, Aviation Safety Engineer, Safety Management 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, 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.

(h) Additional Information

The subject of this AD is addressed in European Aviation Safety Agency (EASA) AD No. 2017-0011, dated January 25, 2017. You may view the EASA AD on the internet at <http://www.regulations.gov> in Docket No. FAA-2018-0737.

(i) Subject

Joint Aircraft Service Component (JASC) Code: 6510 Tail Rotor Driveshaft.

(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) Leonardo Helicopters Bollettino Tecnico No. 139-465, Revision A, dated January 25, 2017.

(ii) [Reserved]

(3) For Leonardo S.p.A. Helicopters service information identified in this AD, contact Leonardo S.p.A. Helicopters, Matteo Ragazzi, Head of Airworthiness, Viale G. Agusta 520, 21017 C. Costa di Samarate (Va) Italy; telephone +39-0331-711756; fax +39-0331-229046; or at <https://www.leonardocompany.com/en/home>.

(4) You may view this service information at 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, call (202) 741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Fort Worth, Texas, on June 13, 2019.

James A. Grigg,

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



2019-12-12 Piper Aircraft, Inc.: Amendment 39-19667; Docket No. FAA-2019-0447; Product Identifier 2018-CE-055-AD.

(a) Effective Date

This AD is effective July 12, 2019.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Piper Aircraft, Inc., Model PA-46-600TP (M600) airplanes, serial numbers 4698001, 4698004 through 4698010, 4698012 through 4698016, and 4698018 through 4698076, certificated in any category.

(d) Subject

Joint Aircraft System Component (JASC)/Air Transport Association (ATA) of America Code 5312, bulkhead.

(e) Unsafe Condition

This AD was prompted by a report of understrength rivets installed on the bulkhead assembly during manufacture. The FAA is issuing this AD to prevent failure of the understrength rivets, which could lead to structural failure of the fuselage station (FS) 79 bulkhead with consequent loss of control of the airplane.

(f) Compliance

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

(g) Ground Operating Limitation

(1) Before further flight after July 12, 2019 (the effective date of this AD), insert the ground operations limitation into the Limitations section of the airplane flight manual (AFM) and install on the airplane cockpit instrument panel a placard limiting ground operations by following the Instructions, Part I Temporary Ground Operating Limitation, of Piper Aircraft, Inc., Service Bulletin No. 1332A, dated January 29, 2019 (Piper SB No. 1332A).

Note 1 to paragraph (g)(1) and (h)(2) of this AD: The Piper Aircraft, Inc. pilot's operating handbook for the Model PA-46-600TP (M600) airplane constitutes its FAA-approved AFM.

(2) The actions 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, 121.380, or 135.439.

(h) Optional Action To Terminate the Ground Operating Limitation

(1) After July 12, 2019 (the effective date of this AD), you may replace the FS 79.00 bulkhead rivets in accordance with the Instructions, Part II Rework, of Piper SB No. 1332A.

(2) If the FS 79.00 bulkhead rivets have been replaced as specified in paragraph (h)(1) of this AD, you may remove the AFM revision and placard required by paragraph (g) of this AD.

(i) Credit for Previous Actions

This paragraph provides credit for the actions in paragraphs (g) and (h) of this AD, if those actions were performed before July 12, 2019 (the effective date of this AD) using Piper Aircraft, Inc. SB No. 1332, dated October 16, 2018.

(j) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Atlanta 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 (k) of this AD.

(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, Aerospace Engineer, FAA, Atlanta ACO Branch, 1701 Columbia Avenue, College Park, Georgia 30337; telephone: (404) 474-5548; fax: (404) 474-5606; email: william.mccully@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 the AD specifies otherwise.

(i) Piper Aircraft, Inc. Service Bulletin No. 1332A, dated January 29, 2019.

(ii) [Reserved]

(3) For Piper Aircraft, Inc. service information identified in this AD, contact Piper Aircraft, Inc., 2926 Piper Drive, Vero Beach, FL 32960; telephone: (772) 567-4361; internet: www.piper.com/technical-publications-documents/.

(4) You may view this service information at FAA, Policy and Innovation Division, 901 Locust, Kansas City, Missouri 64106. For information on the availability of this material at the FAA, call (816) 329-4148.

(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, call 202-741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Kansas City, Missouri, on June 17, 2019.

Melvin J. Johnson,

Aircraft Certification Service, Deputy Director, Policy and Innovation Division, AIR-601.

[FR Doc. 2019-13603 Filed 6-26-19; 8:45 am]

BILLING CODE 4910-13-P



FAA
Aviation Safety

AIRWORTHINESS DIRECTIVE

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

2019-12-14 Airbus Helicopters Deutschland GmbH: Amendment 39-19669; Docket No. FAA-2018-0980; Product Identifier 2017-SW-123-AD.

(a) Applicability

This AD applies to Airbus Helicopters Deutschland GmbH Model MBB-BK 117 C-2 helicopters with a part listed in Table 1 to paragraph (e) of this AD installed, certificated in any category.

Note 1 to paragraph (a) of this AD: Helicopters with an MBB-BK117 C-2e designation are Model MBB-BK117 C-2 helicopters.

(b) Unsafe Condition

This AD defines the unsafe condition as a part remaining in service beyond its fatigue life. This condition could result in failure of a part and loss of control of the helicopter.

(c) Effective Date

This AD becomes effective August 2, 2019.

(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

Before further flight, remove from service any part that has reached or exceeded its new or reduced life limit as listed in Table 1 to paragraph (e) of this AD. Thereafter, remove from service each part on or before reaching its new or reduced life limit as listed in Table 1 to paragraph (e) of this AD. For purposes of this AD, a “landing” is counted any time the helicopter lifts off into the air and then lands again regardless of the duration of the landing and regardless of whether the engine is shut down.

Table 1 to Paragraph (e)

Part name	Part No. (P/N)	Life limit
Nut	B622M1003201	65,800 landings or 10,123 hours time-in-service (TIS) if the number of landings is unknown.
Quadruple nut upper Quadruple nut lower	B622M1004201 B622M1005201	60,000 landings or 9,230 hours TIS if the number of landings is unknown.
Bolt	B622M1006201, B622M1007201	31,200 landings or 4,800 hours TIS if the number of landings is unknown.
Inner sleeve	B622M1009201	13,300 hours TIS.
Control ring assembly	B623M2001101	27,600 hours TIS.
Bellcrank-K (collective)	B670M7021201	21,500 hours TIS.
Control rod tube	B291M1015201	30,000 hours TIS.
Forked lever	B671M7007201 B671M7007205	22,500 Hours TIS.

(f) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Safety Management Section, Rotorcraft Standards Branch, FAA, may approve AMOCs for this AD. Send your proposal to: Matt Fuller, Senior Aviation Safety Engineer, Safety Management 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, 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.

(g) Additional Information

(1) Airbus Helicopters Alert Service Bulletin ASB MBB-BK117 C-2-04A-008, Revision 0, dated April 27, 2017, which is not incorporated by reference, contains additional information about the subject of this AD. For 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 http://www.helicopters.airbus.com/website/en/ref/Technical-Support_73.html. You may review the referenced 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 (EASA) AD No. 2017-0174, dated September 12, 2017. You may view the EASA AD on the internet at <http://www.regulations.gov> in Docket No. FAA-2018-0980.

(h) Subject

Joint Aircraft Service Component (JASC) Code: 6220, Main Rotor Head; 6230 Main Rotor Mast/Swashplate; and 6710, Main Rotor Control.

Issued in Fort Worth, Texas, on June 18, 2019.

James A. Grigg,
Acting Deputy Director for Regulatory Operations, Compliance & Airworthiness Division,
Aircraft Certification Service.



2019-12-15 Leonardo S.p.A.: Amendment 39-19670; FAA-2018-0648; Product Identifier 2017-SW-087-AD.

(a) Applicability

This AD applies to Leonardo S.p.A. Model AB139 and AW139 helicopters, certificated in any category, with an Increased Gross Weight 6,800 Kg kit part number (P/N) 4G0000F00111, and with a main landing gear (MLG) assembly with a P/N and serial number (S/N) listed in Figure 1 to paragraphs (a) and (e)(2) of this AD installed.

P/N	S/N
3G3210V00137 or 1650B1000-01 (left hand)	00100 through 01003
	02000 through 02014
3G3210V00237 or 1650B2000-01 (right hand)	00100 through 01016
	02000 through 02017

Figure 1 to Paragraphs (a) and (e)(2)

(b) Unsafe Condition

This AD defines the unsafe condition as an MLG shock absorber screw that does not meet specifications. This condition could result in failure of the MLG shock absorber, collapse or retraction of the MLG, and subsequent damage to the helicopter.

(c) Effective Date

This AD is effective August 2, 2019.

(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) Within the following compliance times, replace each screw P/N NAS1351-5H12P installed on an MLG shock absorber with a screw P/N 1652A0001-01. Re-identify the MLG assembly using black permanent ink by marking an “R” at the end of the S/N of the MLG assembly and cover with a transparent coating. For purposes of this AD, a “landing” is counted any time the helicopter lifts off into the air and then lands again regardless of the duration of the landing and regardless of whether the engine is shut down:

(i) For MLG assemblies with 26,800 or more landings, within 100 hours time-in-service (TIS).

(ii) For MLG assemblies with between 22,000 and 26,799 landings, within 300 hours TIS or before the MLG assembly accumulates 27,200 landings, whichever occurs first.

(iii) For MLG assemblies with less than 22,000 landings, within 1,200 hours TIS or before the MLG assembly accumulates 23,200 landings, whichever occurs first.

(2) After the effective date of this AD, do not install an MLG assembly with a P/N and S/N listed in Figure 1 to paragraphs (a) and (e)(2) of this AD on any helicopter unless the screw has been replaced and the MLG assembly re-identified as described in paragraph (e)(1) of this this AD.

(f) Special Flight Permits

Special flight permits are prohibited.

(g) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Safety Management Section, Rotorcraft Standards Branch, FAA, may approve AMOCs for this AD. Send your proposal to: David Hatfield, Aviation Safety Engineer, Safety Management 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, 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.

(h) Additional Information

(1) Finmeccanica Bollettino Tecnico No. 139-397, dated April 7, 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, Matteo Ragazzi, Head of Airworthiness, Viale G.Agusta 520, 21017 C.Costa di Samarate (Va) Italy; telephone +39-0331-711756; fax +39-0331-229046; or at <http://www.leonardocompany.com/-/bulletins>. You may review the referenced 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 (EASA) AD No. 2016-0077, dated April 19, 2016. You may view the EASA AD on the internet at <http://www.regulations.gov> in Docket No. FAA-2018-0648.

(i) Subject

Joint Aircraft Service Component (JASC) Code: 3200, Landing Gear System.

Issued in Fort Worth, Texas, on June 19, 2019.

James A. Grigg,

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



2019-12-18 Robinson Helicopter Company: Amendment 39-19673; Docket No. FAA-2019-0361; Product Identifier 2019-SW-015-AD.

(a) Effective Date

This AD is effective July 5, 2019.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Robinson Helicopter Company Model R44 II helicopters certificated in any category.

(d) Subject

Joint Aircraft System Component (JASC)/Air Transport Association (ATA) of America Code: 7160, Engine Air Intake System.

(e) Unsafe Condition

This AD was prompted by a report of separation between the outer and inner layers of a hose. This condition, if not addressed, could result in blockage of air flow to the engine, engine stoppage, and subsequent loss of control of the helicopter. The FAA is issuing this AD to prevent the unsafe condition on these helicopters.

(f) Compliance

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

(g) Required Actions

(1) For helicopters with an engine air induction hose (hose) part number A785-31 installed after April 30, 2018 or helicopter serial numbers 14248 through 14268 and 14270 through 14286, within 10 hours time-in-service (TIS):

(i) Inspect the inside of the hose for separation between the outer and inner layers, and flex the hose in all directions while listening for a crinkling sound, which is an indication of separation.

(ii) If there is any separation or a crinkling sound, replace the hose before further flight.

(iii) If there is no separation and no crinkling sound, replace the hose within 50 hours TIS.

(2) After the effective date of this AD, do not install on any helicopter a hose part number A785-31 marked with code 1Q18.

(h) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Los Angeles 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 (i)(1) of this AD. Information may be emailed to: 9-ANM-LAACO-ACO-AMOC-Requests@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 Roger Gretler, Aviation Safety Engineer, Los Angeles ACO Branch, Compliance & Airworthiness Division, FAA, 3960 Paramount Blvd., Lakewood, CA 90712; phone 562-627-5251; email roger.gretler@faa.gov.

(2) For information about AMOCs, contact 9-ANM-LAACO-ACO-AMOC-Requests@faa.gov.

(3) For copies of the service information referenced in this AD, contact: Robinson Helicopter Company, 2901 Airport Drive, Torrance, CA 90505; phone 310-539-0508; fax 310-539-5198; or at <https://robinsonheli.com/robinson-r44-service-bulletins/>. 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.

(j) Material Incorporated by Reference

None.

Issued in Fort Worth, Texas, on June 25, 2019.

James A. Grigg,

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

[FR Doc. 2019-14205 Filed 7-3-19; 8:45 am]