

condition on these products as a result of possible corrosion on the rudder upper hinge bracket and internal wing, areas of the passenger/crew door hinges and supporting structure, the main spar joint, and the engine support attachment bolts, which could lead to reduced structural integrity with consequent loss of control.

#### (f) Actions and Compliance

Comply with paragraphs (f)(1) through (3) of this AD within the compliance times specified, unless already done:

(1) Before further flight after October 30, 2017 (the effective date of this AD), incorporate BAE Systems (Operations) Limited Jetstream Series 3100 & 3200 Corrosion Prevention and Control Programme, Manual Ref. JS/CPCP/01, Revision 8, dated October 15, 2016, into the Limitations of your FAA-approved maintenance program (instructions for continued airworthiness) on the basis of which the operator or the owner ensures the continuing airworthiness of each operated airplane, as applicable to the airplane model.

(2) Do all tasks in the BAE Systems (Operations) Limited Jetstream Series 3100 & 3200 Corrosion Prevention and Control Programme, Manual Ref. JS/CPCP/01, Revision 8, dated October 15, 2016, at the compliance times specified in the manual, or within the next 12 months after October 30, 2017 (the effective date of this AD), whichever occurs later; except for the following tasks, which must be done within 12 months after October 30, 2017 (the effective date of this AD): 52-11-002 C1, 200/EX/01 C2, 500/IN/02 C1, 600/IN/04 C1, and 700/IN/04 C1.

(3) If any discrepancy, particularly corrosion, is found during any inspections or tasks required by paragraphs (f)(1) or (2) of this AD, within the compliance time specified, repair or replace, as applicable, all damaged structural parts and components and do the maintenance procedures for corrective action following BAE Systems (Operations) Limited Jetstream Series 3100 & 3200 Corrosion Prevention and Control Programme, Manual Ref. JS/CPCP/01, Revision 8, dated October 15, 2016. If no compliance time is defined, do the applicable corrective action before further flight.

#### (g) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) *Alternative Methods of Compliance (AMOCs)*: The Manager, Small Airplane Standards Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. Send information to ATTN: Doug Rudolph, Aerospace Engineer, FAA, Small Airplane Standards Branch, 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: (816) 329-4059; fax: (816) 329-4090; email: [doug.rudolph@faa.gov](mailto:doug.rudolph@faa.gov). Before using any approved AMOC on any airplane to which the AMOC applies, notify your appropriate principal inspector (PI) in the FAA Flight Standards District Office (FSDO), or lacking a PI, your local FSDO.

(2) *Contacting the Manufacturer*: For any requirement in this AD to obtain corrective

actions from a manufacturer, the action must be accomplished using a method approved by the Manager, Small Airplane Standards Branch; or the European Aviation Safety Agency (EASA), or BAE Systems (Operations) Limited's EASA DOA. If approved by the DOA, the approval must include the DOA-authorized signature.

(3) *Reporting Requirements*: For any reporting requirement in this AD, a federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number. The OMB Control Number for this information collection is 2120-0056. Public reporting for this collection of information is estimated to be approximately 5 minutes per response, including the time for reviewing instructions, completing and reviewing the collection of information. All responses to this collection of information are mandatory. Comments concerning the accuracy of this burden and suggestions for reducing the burden should be directed to the FAA at: 800 Independence Ave. SW., Washington, DC 20591, Attn: Information Collection Clearance Officer, AES-200.

#### (h) Related Information

Refer to MCAI European Aviation Safety Agency 2017-0073, dated April 27, 2017. The MCAI can be found in the AD docket on the Internet at: <https://www.regulations.gov/document?D=FAA-2017-0639-0002>.

#### (i) 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) BAE Systems (Operations) Limited Jetstream Series 3100 & 3200 Corrosion Prevention and Control Programme, Manual Ref. JS/CPCP/01, Revision 8, dated October 15, 2016.

(ii) Reserved.

(3) For British Aerospace Jetstream Series 3100 and 3200 service information related to this AD, contact BAE Systems (Operations) Limited, Customer Information Department, Prestwick International Airport, Ayrshire, KA9 2RW, Scotland, United Kingdom; telephone: +44 1292 675207; fax: +44 1292 675704; email: [RApublications@baesystems.com](mailto:RApublications@baesystems.com); Internet: <http://www.baesystems.com/Businesses/RegionalAircraft/>.

(4) You may review copies of the referenced service information at the 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. In addition, you can access this service information on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2017-0639.

(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 September 14, 2017.

**Pat Mullen,**

*Acting Deputy Director, Policy & Innovation Division, Aircraft Certification Service.*

[FR Doc. 2017-20047 Filed 9-22-17; 8:45 am]

**BILLING CODE 4910-13-P**

## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. FAA-2016-9301; Product Identifier 2015-NM-193-AD; Amendment 39-19056; AD 2017-19-26]

RIN 2120-AA64

#### Airworthiness Directives; The Boeing Company Airplanes

**AGENCY:** Federal Aviation Administration (FAA), Department of Transportation (DOT).

**ACTION:** Final rule.

**SUMMARY:** We are superseding Airworthiness Directive (AD) 2008-12-04, which applied to certain The Boeing Company Model 737-600, -700, -700C, -800, and -900 series airplanes. AD 2008-12-04 required various repetitive inspections to detect cracks along the chem-milled steps of the fuselage skin, and to detect missing or loose fasteners in the area of a certain preventive modification or repairs; replacement of the time-limited repair with a permanent repair, if applicable; and applicable corrective actions which would end certain repetitive inspections. This AD reduces the post-modification inspection compliance times, limits installation of the preventive modification to airplanes with fewer than 30,000 total flight cycles, and adds repetitive inspections for modified airplanes. This AD was prompted by an evaluation by the design approval holder (DAH) that indicated that the upper skin panel at the chem-milled step above the lap joint is subject to widespread fatigue damage (WFD) if the modification was installed after 30,000 total flight cycles. We are issuing this AD to address the unsafe condition on these products.

**DATES:** This AD is effective October 30, 2017.

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in this AD as of October 30, 2017.

**ADDRESSES:** For service information identified in this final rule, contact Boeing Commercial Airplanes, Attention: Contractual & Data Services (C&DS), 2600 Westminister Blvd., MC 110-SK57, Seal Beach, CA 90740; telephone 562-797-1717; Internet <https://www.myboeingfleet.com>. You may view this referenced service information at the FAA, Transport Standards Branch, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221. It is also available on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2016-9301.

#### Examining the AD Docket

You may examine the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2016-9301; or in person at the Docket Management Facility between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this AD, the regulatory evaluation, any comments received, and other information. The address for the Docket Office (phone: 800-647-5527) is Docket Management Facility, U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE., Washington, DC 20590.

#### FOR FURTHER INFORMATION CONTACT:

Alan Pohl, Aerospace Engineer, Airframe Section, FAA, Seattle ACO Branch, 1601 Lind Avenue SW., Renton, WA 98057-3356; phone: 425-917-6450; fax: 425-917-6590; email: [alan.pohl@faa.gov](mailto:alan.pohl@faa.gov).

#### SUPPLEMENTARY INFORMATION:

##### Discussion

We issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 to supersede AD 2008-12-04, Amendment 39-15547 (73 FR 32991, June 11, 2008) (“AD 2008-12-04”). AD 2008-12-04 applied to certain The Boeing Company Model 737-600, -700, -700C, -800, and -900 series airplanes. The NPRM published in the **Federal Register** on November 22, 2016 (81 FR 83745) (“the NPRM”). The NPRM was prompted by an evaluation by the DAH that indicated that the upper skin panel at the chem-milled step above the lap joint is subject to WFD if the modification was installed after 30,000

total flight cycles. The NPRM proposed to continue to require various repetitive inspections to detect cracks along the chem-milled steps of the fuselage skin, and to detect missing or loose fasteners in the area of the preventive modification or repairs; replacement of the time-limited repair with a permanent repair, if applicable; and applicable corrective actions which would end certain repetitive inspections. The NPRM also proposed to reduce the post-modification inspection compliance times, limit installation of the preventive modification to airplanes with fewer than 30,000 total flight cycles, and add repetitive inspections for modified airplanes. We are issuing this AD to detect and correct cracking of the upper skin panel at the chem-milled step above the lap joint, which could result in reduced structural integrity of the airplane.

#### Comments

We gave the public the opportunity to participate in developing this AD. The following presents the comments received on the NPRM and the FAA’s response to each comment.

#### Support for the NPRM

Boeing and United Airlines supported the NPRM.

#### Effect of Winglets on Accomplishment of the Proposed Actions

Aviation Partners Boeing stated that installation of winglets, as provided in Supplemental Type Certificate (STC) ST00830SE, does not affect the ability to accomplish the actions proposed in the NPRM.

We agree with the commenter. We have redesignated paragraph (c) of the proposed AD as (c)(1) and added paragraph (c)(2) to this AD to state that installation of STC ST00830SE does not affect the ability to accomplish the actions required by this AD. Therefore, for airplanes on which STC ST00830SE is installed, a “change in product” alternative method of compliance (AMOC) approval request is not necessary to comply with the requirements of 14 CFR 39.17.

#### Request To Revise Certain Compliance Time Provisions

Southwest Airlines (SWA) asked that we revise certain compliance language in paragraph (p)(4) of the proposed AD, which stipulated that post-repair or post-mod inspections be done at the time specified in the service information or at the time specified in the previously approved AMOC, “whichever occurs first.” SWA stated that previously

approved AMOCs for post-repair or post-modification supplemental inspections that comply with certain regulations may contain unique damage tolerance inspection programs that demonstrate a level of safety equivalent to that of AD 2008-12-04. SWA added that altering those supplemental inspections to post-repair or post-modification inspections as specified in Boeing Alert Service Bulletin 737-53A1232, Revision 3, dated July 27, 2015, when those are done first, could result in incorrect inspection methods to geometrical structure that does not conform to the repair or modification definitions specified in Revisions 1 and 3 of that service information.

We partially agree with the commenter’s request. We have determined that repairs and preventive modifications should be handled separately. Fleet experience and subsequent analysis of Model 737-200, -200C, -300, -400, and -500 airplanes, which have similar chem-milled step details, have shown that certain post-preventative modification inspection programs may not adequately address the unsafe condition. Therefore, paragraph (p)(4) of this AD has been changed to remove the language “preventative modifications” and remove the reference to the service information and “whichever occurs first” from the compliance time specified. In addition, we have added paragraph (p)(5) to this AD to address only the preventive modifications without change to the service information and “whichever occurs first” language.

#### Request To Retain Certain Exceptions

Additionally, SWA asked that paragraphs (j) and (k) of AD 2008-12-04 be included in the proposed AD. Paragraph (j) of AD 2008-12-04 provides an allowance for repairs that are FAA-approved and that have a minimum of three rows of fasteners above and below the chem-milled step. SWA stated that paragraph (k) of AD 2008-12-04 provides a means of inspections without an AMOC when an external repair is covering the chem-milled step, but that the doubler does not span the step by a minimum of three rows of fasteners above and below the chem-milled step. SWA added that both paragraphs (j) and (k) of AD 2008-12-04 are missing from the proposed AD and should be added, with certain clarifications, to paragraph (j) of the proposed AD. First, the repair is an external doubler repair. Second, in lieu of the doing the post-repair supplemental inspections in accordance with table 2 of paragraph 1.E.,

“Compliance,” of Boeing Alert Service Bulletin 737–53A1232, Revision 3, dated July 27, 2015, the inspections should be done in accordance with 14 CFR 121.1109(c)(2) or 14 CFR 129.109(b)(2) supplemental inspection requirements, or in accordance with FAA-approved damage tolerance inspection requirements.

SWA also stated that if paragraphs (j) and (k) of AD 2008–12–04 are not restated for compliance with existing FAA-approved repairs, operators will be required to seek AMOC approvals for such existing repairs prior to the inspection threshold or repeat interval of table 1 of paragraph 1.E., “Compliance,” of Boeing Alert Service Bulletin 737–53A1232, Revision 3, dated July 27, 2015. SWA stated that not including the exceptions in paragraphs (j) and (k) of AD 2008–12–04 could potentially lead to disruption of operations if it is necessary to request AMOC approvals during repair discovery, or could burden operators with records research to identify these repairs for AMOC approvals prior to the required compliance times.

We agree that an allowance can be made for repairs that meet the criteria specified in paragraph (j) of AD 2008–12–04. These repairs address the unsafe condition identified in this AD. Therefore, we have added paragraph (l)(3) to this AD to include the provision of paragraph (j) of AD 2008–12–04 for repairs that were accomplished before the effective date of this AD.

We disagree that post-repair inspections for these repairs should be done in accordance with 14 CFR 121.1109(c)(2) or 14 CFR 129.109(b)(2) supplemental inspection requirements. Post-repair inspections for repairs that meet the criteria of paragraph (j) of this

AD are to be accomplished in accordance with table 2 of paragraph 1.E., “Compliance,” of Boeing Alert Service Bulletin 737–53A1232, Revision 3, dated July 27, 2015. This is consistent with the DAH’s current recommendation as well as the requirements of paragraph (j) of AD 2008–12–04. Paragraph (l)(3) of this AD reflects these provisions.

We also disagree with the commenter’s request to change the word “repair” to “external doubler repair” in paragraph (l)(3) of this AD because we are retaining the provisions of paragraph (j) of AD 2008–12–04.

We also agree to add certain provisions of paragraph (k) of AD 2008–12–04 to this AD. We have added paragraph (l)(4) to this AD to address certain repairs as defined in paragraph (k) of AD 2008–12–04. However, paragraph (l)(4) of this AD does not include a reference to Boeing Model 737 Non-destructive Test (NDT) Manual, Part 6, Subject 53–30–20, and instead requires that the inspection be done using FAA-approved procedures. We have also added Note 1 to paragraph (l)(4) of this AD to specify that guidance on the inspection specified in paragraph (l)(4) of this AD can be found in Boeing Model 737 NDT Manual, Part 6, Subject 53–30–20.

**Clarification of Paragraph (i)(1) of This AD**

We have revised the language in paragraph (i)(1) of this AD to clarify which modifications are exempt from the actions required by paragraph (i)(1) of this AD.

**Conclusion**

We reviewed the relevant data, considered the comments received, and

determined that air safety and the public interest require adopting this AD with the changes described previously, and minor editorial changes. We have determined that these minor changes:

- Are consistent with the intent that was proposed in the NPRM for correcting the unsafe condition; and
- Do not add any additional burden upon the public than was already proposed in the NPRM.

We also determined that these changes will not increase the economic burden on any operator or increase the scope of this AD.

**Related Service Information Under 1 CFR Part 51**

We reviewed Boeing Alert Service Bulletin 737–53A1232, Revision 3, dated July 27, 2015. This service information describes procedures for an external detailed inspection and an external nondestructive inspection (NDI) for cracks in the fuselage skin at chem-milled steps. Corrective actions include a permanent or time-limited repair, a preventive modification, and replacement of loose and missing fasteners. Related investigative actions include internal and external detailed inspections of the repair area. This service information is reasonably available because the interested parties have access to it through their normal course of business or by the means identified in the ADDRESSES section.

**Costs of Compliance**

We estimate that this AD affects 376 airplanes of U.S. registry.

We estimate the following costs to comply with this AD:

**ESTIMATED COSTS**

Action	Labor cost	Parts cost	Cost per product	Cost on U.S. operators
Inspections .....	Up to 25 work-hours × \$85 per hour = \$2,125 per inspection cycle.	\$0	Up to \$2,125 per inspection cycle	Up to \$799,000 per inspection cycle.

We estimate the following costs to do any necessary repairs and replacements that would be required based on the

results of the inspections. We have no way of determining the number of

aircraft that might need these replacements:

**ON-CONDITION COSTS**

Action	Labor cost	Parts cost	Cost per product
Fastener replacement .....	Up to 1 work-hour × \$85 per hour = \$85 .....	Minimal .....	\$85

We have received no definitive data that would enable us to provide cost estimates for the related investigative actions, certain repairs, and other applicable actions specified in this AD.

#### Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, Section 106, describes the authority of the FAA Administrator. Subtitle VII, Aviation Programs, describes in more detail the scope of the Agency's authority.

We are issuing this rulemaking under the authority described in Subtitle VII, Part A, Subpart III, Section 44701, "General requirements." Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

This AD is issued in accordance with authority delegated by the Executive Director, Aircraft Certification Service, as authorized by FAA Order 8000.51C. In accordance with that order, issuance of ADs is normally a function of the Compliance and Airworthiness Division, but during this transition period, the Executive Director has delegated the authority to issue ADs applicable to transport category airplanes to the Director of the System Oversight Division.

#### Regulatory Findings

We have determined that this AD will not have federalism implications under Executive Order 13132. This AD will not have a substantial direct effect on the States, on the relationship between the national government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify that this AD:

- (1) Is not a "significant regulatory action" under Executive Order 12866,
- (2) Is not a "significant rule" under DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979),
- (3) Will not affect intrastate aviation in Alaska, and
- (4) Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

#### List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

#### Adoption of the Amendment

Accordingly, under the authority delegated to me by the Administrator, the FAA amends 14 CFR part 39 as follows:

#### PART 39—AIRWORTHINESS DIRECTIVES

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

**Authority:** 49 U.S.C. 106(g), 40113, 44701.

##### § 39.13 [Amended]

- 2. The FAA amends § 39.13 by removing Airworthiness Directive (AD) 2008–12–04, Amendment 39–15547 (73 FR 32991, June 11, 2008), and adding the following new AD:

##### 2017–19–26 The Boeing Company:

Amendment 39–19056; Docket No. FAA–2016–9301; Product Identifier 2015–NM–193–AD.

##### (a) Effective Date

This AD is effective October 30, 2017.

##### (b) Affected ADs

This AD replaces AD 2008–12–04, Amendment 39–15547 (73 FR 32991, June 11, 2008) ("AD 2008–12–04").

##### (c) Applicability

(1) This AD applies to The Boeing Company Model 737–600, –700, –700C, –800, and –900 series airplanes, certificated in any category, as identified in Boeing Alert Service Bulletin 737–53A1232, Revision 3, dated July 27, 2015.

(2) Installation of Supplemental Type Certificate (STC) ST00830SE [[http://rgl.faa.gov/Regulatory\\_and\\_Guidance\\_Library/rgstc.nsf/0/184DE9A71EC3FA5586257EAE00707DA6?OpenDocument&Highlight=st00830se](http://rgl.faa.gov/Regulatory_and_Guidance_Library/rgstc.nsf/0/184DE9A71EC3FA5586257EAE00707DA6?OpenDocument&Highlight=st00830se)] does not affect the ability to accomplish the actions required by this AD. Therefore, for airplanes on which STC ST00830SE is installed, a "change in product" alternative method of compliance (AMOC) approval request is not necessary to comply with the requirements of 14 CFR 39.17.

##### (d) Subject

Air Transport Association (ATA) of America Code 53, Fuselage.

##### (e) Unsafe Condition

This AD was prompted by a fatigue test that revealed numerous cracks in the upper skin panel at the chem-milled step above the lap joint, followed by an evaluation by the design approval holder (DAH) that indicated that location is subject to widespread fatigue damage (WFD) on airplanes on which a certain modification was installed after 30,000 total flight cycles. We are issuing this AD to detect and correct cracking of the

upper skin panel at the chem-milled step above the lap joint, which could result in reduced structural integrity of the airplane.

##### (f) Compliance

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

##### (g) Inspections at Locations Without the Preventive Modification, Time-Limited Repair, or Permanent Repair Installed

At locations where a preventive modification, time-limited repair, or permanent repair has not been installed as specified in Boeing Service Bulletin 737–53A1232: At the applicable time specified in paragraph 1.E., "Compliance," of Boeing Alert Service Bulletin 737–53A1232, Revision 3, dated July 27, 2015, do an external detailed inspection and an inspection specified in either paragraph (g)(1) or (g)(2) of this AD, for any crack in the fuselage skin at the chem-milled steps at specified locations, in accordance with Accomplishment Instructions of Boeing Alert Service Bulletin 737–53A1232, Revision 3, dated July 27, 2015. Do all applicable related investigative and corrective actions before further flight in accordance with the Accomplishment Instructions of Boeing Alert Service Bulletin 737–53A1232, Revision 3, dated July 27, 2015, except as required by paragraph (l)(1) of this AD, and except as provided in paragraphs (l)(3) and (l)(4) of this AD. Repeat the inspections thereafter at the applicable time specified in paragraph 1.E., "Compliance," of Boeing Alert Service Bulletin 737–53A1232, Revision 3, dated July 27, 2015.

(1) Do an external medium frequency eddy current (MFEC), or magneto optic imager (MOI), or C-Scan inspection.

(2) Do an external ultrasonic phased array (UTPA) inspection.

##### (h) Repetitive Post-Modification Inspections and Repair at Any Location With the Preventive Modification But No Time-Limited or Permanent Repair

At any location with a preventive modification installed as specified in Boeing Service Bulletin 737–53A1232: At the applicable time specified in paragraph 1.E., "Compliance," of Boeing Alert Service Bulletin 737–53A1232, Revision 3, dated July 27, 2015, except as required by paragraph (l)(2) of this AD, do the actions specified in paragraphs (h)(1) and (h)(2) of this AD.

(1) Do external detailed and external high frequency and medium frequency eddy current inspections for any crack, in accordance with Part 7 of the Accomplishment Instructions of Boeing Alert Service Bulletin 737–53A1232, Revision 3, dated July 27, 2015. If no crack is found during the inspection, repeat the inspections thereafter at the applicable time specified in paragraph 1.E., "Compliance," of Boeing Alert Service Bulletin 737–53A1232, Revision 3, dated July 27, 2015. If any crack is found during any inspection required by this paragraph, repair before further flight, in accordance with the Accomplishment Instructions of Boeing Alert Service Bulletin 737–53A1232, Revision 3, dated July 27,

2015, except as required by paragraph (l)(1) of this AD.

(2) Do a detailed inspection for any crack and any loose or missing fasteners, in accordance with Part 7 of the Accomplishment Instructions of Boeing Alert Service Bulletin 737-53A1232, Revision 3, dated July 27, 2015. Repeat the inspections thereafter at applicable time specified in paragraph 1.E., "Compliance," of Boeing Alert Service Bulletin 737-53A1232, Revision 3, dated July 27, 2015. If any crack is found during any inspection, or any loose or missing fastener is found, before further flight, do all applicable corrective actions, in accordance with Part V of the Accomplishment Instructions of Boeing Alert Service Bulletin 737-53A1232, Revision 3, dated July 27, 2015, except as specified in paragraph (l)(1) of this AD.

**(i) Additional Actions for Modified Airplanes**

(1) At any location where a preventive modification as specified in Boeing Service Bulletin 737-53A1232 was installed after the accumulation of 30,000 total flight cycles, at the applicable time specified in paragraph 1.E., "Compliance," of Boeing Alert Service Bulletin 737-53A1232, Revision 3, dated July 27, 2015, except as required by paragraph (l)(2) of this AD, do all applicable investigative and corrective actions using a method approved in accordance with the procedures specified in paragraph (p) of this AD. For preventive modifications installed on airplanes listed in Appendix A of Boeing Alert Service Bulletin 737-53A1232, Revision 3, dated July 27, 2015, at the specified total flight cycles: The actions specified in this paragraph are not required.

(2) For airplanes which have installed STC ST01697SE ([http://rgl.faa.gov/Regulatory\\_and\\_Guidance\\_Library/rgstc.nsf/0/0812969a86af879b8625766400600105/\\$FILE/ST01697SE.pdf](http://rgl.faa.gov/Regulatory_and_Guidance_Library/rgstc.nsf/0/0812969a86af879b8625766400600105/$FILE/ST01697SE.pdf)) and the preventive modification has been installed after 15,000 total flight cycles: Before the accumulation of 25,000 total flight cycles, do all applicable investigative and corrective actions using a method approved in accordance with the procedures specified in paragraph (p) of this AD.

**(j) Inspections and Repair at Locations With the Permanent Chem-Milled Step Repair Installed**

At any location where a permanent repair has been installed as specified in Boeing Service Bulletin 737-53A1232: At the applicable time specified in paragraph 1.E., "Compliance," of Boeing Alert Service Bulletin 737-53A1232, Revision 3, dated July 27, 2015, do the inspections specified in paragraph (j)(1) or (j)(2) of this AD, in accordance with Accomplishment Instructions of Boeing Alert Service Bulletin 737-53A1232, Revision 3, dated July 27, 2015. Repeat the inspections thereafter at the applicable time specified in paragraph 1.E., "Compliance," of Boeing Alert Service Bulletin 737-53A1232, Revision 3, dated July 27, 2015. Do all applicable related investigative and corrective actions before further flight in accordance with Boeing Alert Service Bulletin 737-53A1232, Revision 3,

dated July 27, 2015, except as required by paragraph (l)(1) of this AD.

(1) Do an external low frequency eddy current (LFEC) inspection for any crack, and doubler external LFEC and external detailed inspections for any crack and loose or missing fasteners.

(2) Do an external LFEC inspection for any crack, a doubler external LFEC and external detailed inspections for any crack and loose or missing fasteners, and an internal MFEC for any crack.

**(k) Inspection and Replacement at Locations With a Chem-Milled Time-Limited Repair Installed**

At any location where a chem-milled time-limited repair is installed, do the actions specified in paragraphs (k)(1) and (k)(2) of this AD, at the applicable time specified in 1.E., "Compliance," of Boeing Alert Service Bulletin 737-53A1232, Revision 3, dated July 27, 2015.

(1) Do internal and external detailed inspections of the time-limited repair for any crack, or loose or missing fasteners, in accordance with Part IV of the Accomplishment Instructions of Boeing Alert Service Bulletin 737-53A1232, Revision 3, dated July 27, 2015. Repeat the inspections thereafter at the applicable time specified in paragraph 1.E., "Compliance," of Boeing Alert Service Bulletin 737-53A1232, Revision 3, dated July 27, 2015. If any crack is found during any inspection, or if any loose or missing fastener is found, before further flight, do all applicable corrective actions, in accordance with Part IV of the Accomplishment Instructions of Boeing Alert Service Bulletin 737-53A1232, Revision 3, dated July 27, 2015, except as specified in paragraph (l)(1) of this AD.

(2) Replace the time-limited repair with the permanent repair, in accordance with Part IV of the Accomplishment Instructions of Boeing Alert Service Bulletin 737-53A1232, Revision 3, dated July 27, 2015.

**(l) Exceptions to Service Information Specifications**

(1) Where Boeing Alert Service Bulletin 737-53A1232, Revision 3, dated July 27, 2015, specifies to contact Boeing for repair instructions, this AD requires repair before further flight using a method approved in accordance with the procedures specified in paragraph (p) of this AD.

(2) Where paragraph 1.E., "Compliance," of Boeing Alert Service Bulletin 737-53A1232, Revision 3, dated July 27, 2015, specifies a compliance time "after the date of Revision 2 of this service bulletin," this AD requires compliance within the specified compliance time after the effective date of this AD.

(3) For airplanes on which the actions specified in paragraph (g) of this AD are required: Inspections specified in table 1 of paragraph 1.E., "Compliance," of Boeing Alert Service Bulletin 737-53A1232, Revision 3, dated July 27, 2015, are not required in areas that are spanned by an FAA-approved repair that has a minimum of 3 rows of fasteners above and below the chem-milled step, provided that the repair was installed before the effective date of this AD. Operators must accomplish post-repair

inspections at the applicable time specified in table 2 of paragraph 1.E., "Compliance," of Boeing Alert Service Bulletin 737-53A1232, Revision 3, dated July 27, 2015.

(4) For any airplane that has an external doubler covering the chem-milled step, but the doubler does not span the step by a minimum of 3 rows of fasteners above and below the chem-milled step and the doubler was installed before the effective date of this AD: One method of compliance with the inspection requirement of paragraph (g) of this AD is to inspect all chem-milled steps covered by the repair using non-destructive test (NDT) methods approved in accordance with the procedures specified in paragraph (p) of this AD. These repairs are to be considered time-limited and are subject to the post-repair supplemental inspections and replacement at the times specified in table 3 of paragraph 1.E., "Compliance," of Boeing Alert Service Bulletin 737-53A1232, Revision 3, dated July 27, 2015.

Note 1 to paragraph (l)(4) of this AD: Guidance for the procedures for the alternative inspection specified in paragraph (l)(4) of this AD can be found in the Boeing 737 NDT Manual, Part 6, Subject 53-30-20.

**(m) Optional Terminating Action**

(1) For airplanes that have accumulated 30,000 total flight cycles or fewer, or for airplanes on which STC ST01697SE was installed and that have accumulated 15,000 total flight cycles or fewer, accomplishment of the preventive modification specified in Part V of Boeing Alert Service Bulletin 737-53A1232, Revision 3, dated July 27, 2015, terminates the inspections required by paragraph (g) of this AD in the modified areas only.

(2) Installation of a permanent repair as specified in Part III of Boeing Alert Service Bulletin 737-53A1232, Revision 3, dated July 27, 2015, or a time-limited repair as specified in Part IV of Boeing Alert Service Bulletin 737-53A1232, Revision 3, dated July 27, 2015, terminates the inspections required by paragraph (g) of this AD in the repaired areas only.

**(n) Installation Limitations of Preventive Modification**

As of the effective date of this AD, installation of the preventive modification specified in Boeing Service Bulletin 737-53A1232 is prohibited on the airplanes identified in paragraphs (n)(1) and (n)(2) of this AD.

(1) Airplanes that have accumulated more than 30,000 total flight cycles.

(2) Airplanes which have installed STC ST01697SE and that have accumulated more than 15,000 total flight cycles.

**(o) Credit for Previous Actions**

This paragraph provides credit for the corresponding actions specified in paragraphs (g), (h), (i), (j), (k), and (m) of this AD, if those actions were performed before the effective date of this AD using the service information identified in paragraph (o)(1), (o)(2), or (o)(3) of this AD.

(1) Boeing Special Attention Service Bulletin 737-53A1232, dated April 2, 2007.

(2) Boeing Special Attention Service Bulletin 737–53A1232, Revision 1, dated May 18, 2012.

(3) Boeing Special Attention Service Bulletin 737–53A1232, Revision 2, dated July 26, 2013.

**(p) Alternative Methods of Compliance (AMOCs)**

(1) The Manager, Seattle 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 (q)(1) of this AD. Information may be emailed to: [9-ANM-Seattle-ACO-AMOC-Requests@faa.gov](mailto:9-ANM-Seattle-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.

(3) An AMOC that provides an acceptable level of safety may be used for any repair, modification, or alteration required by this AD if it is approved by the Boeing Commercial Airplanes Organization Designation Authorization (ODA) that has been authorized by the Manager, Seattle ACO, to make those findings. To be approved, the repair method, modification deviation, or alteration deviation must meet the certification basis of the airplane, and the approval must specifically refer to this AD.

(4) AMOCs approved previously for repairs for AD 2008–12–04 are approved as AMOCs for the installation of the repair specified in this AD, provided all post-repair inspections are done at the applicable times specified in the AMOC.

(5) AMOCs approved previously for preventive modifications for AD 2008–12–04 are approved as AMOCs for the installation of the preventive modification specified in this AD, provided all post-modification inspections are done at the applicable times specified in the AMOC, or in tables 1a and 1b of paragraph 1.E., “Compliance,” of Boeing Alert Service Bulletin 737–53A1232, Revision 3, dated July 27, 2015, whichever occurs first. The AMOC must include all of the inspections specified in Tables 1a and 1b of Boeing Alert Service Bulletin 737–53A1232, Revision 3, dated July 27, 2015.

**(q) Related Information**

(1) For more information about this AD, contact Alan Pohl, Aerospace Engineer, Airframe Section, FAA, Seattle ACO Branch, 1601 Lind Avenue SW., Renton, WA 98057–3356; phone: 425–917–6577; fax: 425–917–6450; email: [alan.pohl@faa.gov](mailto:alan.pohl@faa.gov).

(2) Service information identified in this AD that is not incorporated by reference is available at the addresses specified in paragraphs (r)(3) and (r)(4) of this AD.

**(r) 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) Boeing Alert Service Bulletin 737–53A1232, Revision 3, dated July 27, 2015.

(ii) Reserved.

(3) For service information identified in this AD, contact Boeing Commercial Airplanes, Attention: Contractual & Data Services (C&DS), 2600 Westminister Blvd., MC 110–SK57, Seal Beach, CA 90740; telephone 562–797–1717; Internet <https://www.myboeingfleet.com>.

(4) You may view this service information at the FAA, Transport Standards Branch, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425–227–1221.

(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 Renton, Washington, on September 14, 2017.

**Jeffrey E. Duven,**

*Director, System Oversight Division, Aircraft Certification Service.*

[FR Doc. 2017–20114 Filed 9–22–17; 8:45 am]

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**DEPARTMENT OF TRANSPORTATION**

**Federal Aviation Administration**

**14 CFR Part 39**

**[Docket No. FAA–2016–9143; Product Identifier 2013–SW–037–AD; Amendment 39–19051; AD 2017–19–21]**

**RIN 2120–AA64**

**Airworthiness Directives; Airbus Helicopters**

**AGENCY:** Federal Aviation Administration (FAA), DOT.

**ACTION:** Final rule.

**SUMMARY:** We are adopting a new airworthiness directive (AD) for Airbus Helicopters Model EC225LP helicopters. This AD requires modifying the emergency lubrication system (EMLUB). This AD was prompted by two incidents of emergency ditching after there was a warning of a loss of oil pressure and a false EMLUB failure. The actions of this AD are intended to address an unsafe condition on these products.

**DATES:** This AD is effective October 30, 2017.

The Director of the Federal Register approved the incorporation by reference of a certain document listed in this AD as of October 30, 2017.

**ADDRESSES:** For service information identified in this final rule, 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.airbushelicopters.com/techpub>.

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.

**Examining the AD Docket**

You may examine the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA–2016–9143; or in person at the Docket Operations Office between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this AD, the European Aviation Safety Agency (EASA) AD, any incorporated-by-reference service information, the economic evaluation, any comments received, and other information. The street address for the Docket Operations Office (phone: 800–647–5527) is U.S. Department of Transportation, Docket Operations Office, M–30, West Building Ground Floor, Room W12–140, 1200 New Jersey Avenue SE., Washington, DC 20590.

**FOR FURTHER INFORMATION CONTACT:** Rao Edupuganti, Aviation Safety Engineer, Regulations & Policy Section, Rotorcraft Standards Branch, FAA, 10101 Hillwood Pkwy., Fort Worth, Texas 76177; telephone (817) 222–5110; email [rao.edupuganti@faa.gov](mailto:rao.edupuganti@faa.gov).

**SUPPLEMENTARY INFORMATION:**

**Discussion**

On March 14, 2017, at 82 FR 13565, the **Federal Register** published our notice of proposed rulemaking (NPRM), which proposed to amend 14 CFR part 39 by adding an AD that would apply to Airbus Helicopters (formerly Eurocopter France) Model EC225LP helicopters. The NPRM proposed to require replacing the EMLUB glycol pump, the air and glycol pressure switches, and the MGB lubrication card, and modifying and re-identifying the helicopter wiring harness. The NPRM also proposed testing the function of the EMLUB and electrical systems and revising the Emergency Procedures section of the RFM. Lastly, the NPRM proposed to prohibit installing certain part-numbered EMLUB glycol pumps, air-pressure switches, glycol pressure switches and electronic boards on any helicopter. The proposed requirements were intended to prevent a false EMLUB warning. This condition when associated with a loss of the MGB oil pressure could result in an unnecessary emergency landing or ditching.