



[4910-13-P]

**DEPARTMENT OF TRANSPORTATION**

**Federal Aviation Administration**

**14 CFR Part 39**

**[Docket No. FAA-2015-3142; Directorate Identifier 2015-NM-003-AD; Amendment 39-18728; AD 2016-25-02]**

**RIN 2120-AA64**

**Airworthiness Directives; The Boeing Company Airplanes**

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

**ACTION:** Final rule; correction.

**SUMMARY:** The FAA is correcting an airworthiness directive (AD) that published in the Federal Register. That AD applies to certain The Boeing Company Model 787-8 airplanes. As published, the amendment number specified in the preamble and regulatory text is incorrect. This document corrects that error. In all other respects, the original document remains the same.

**DATES:** This final rule is effective January 20, 2017.

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in this AD as of January 20, 2017 (81 FR 90955, December 16, 2016).

**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 Airplane Directorate, 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-2015-3142.

### **Examining the AD Docket**

You may examine the AD docket on the Internet at <http://www.regulations.gov>; 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:** Fnu Winarto, Aerospace Engineer, Systems and Equipment Branch, ANM-130S, FAA, Seattle Aircraft Certification Office (ACO), 1601 Lind Avenue SW., Renton, WA 98057-3356; phone: 425-917-6659; fax: 425-917-6590; email: [fnu.winarto@faa.gov](mailto:fnu.winarto@faa.gov).

**SUPPLEMENTARY INFORMATION:** Airworthiness Directive 2016-25-02 (81 FR 90955, December 16, 2016), requires installing markers to limit the hydraulic system fluid used to a specific brand, doing hydraulic fluid tests of the hydraulic systems, replacing hydraulic system fluid if necessary, and doing all applicable related investigative and corrective actions for certain The Boeing Company Model 787-8 airplanes.

### **Need for the Correction**

As published, the amendment number specified in the preamble and regulatory text is incorrect. The incorrectly specified number was Amendment 39-18725; the correct number is Amendment 39-18728.

### **Related Service Information under 1 CFR part 51**

We have reviewed Boeing Alert Service Bulletin B787-81205-SB270026-00, Issue 002, dated June 13, 2016. This service information describes procedures for installing markers to limit the hydraulic system fluid used to a specific brand, doing hydraulic fluid tests of the hydraulic systems, replacing the hydraulic system fluid if necessary, and related investigative and corrective actions. 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.

### **Correction of Publication**

This document corrects an error and correctly adds the AD as an amendment to 14 CFR 39.13. Although no other part of the preamble or regulatory information has been corrected, we are publishing the entire rule in the Federal Register.

The effective date of this AD remains January 20, 2017.

Since this action only corrects an amendment number, it has no adverse economic impact and imposes no additional burden on any person. Therefore, we have determined that notice and public procedures are unnecessary.

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

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

### **Adoption of the Correction**

Accordingly, pursuant to the authority delegated to me by the Administrator, the Federal Aviation Administration amends part 39 of the Federal Aviation Regulations (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 [Corrected]**

2. The FAA amends § 39.13 by adding the following new airworthiness directive (AD):

**2016-25-02 The Boeing Company:** Amendment 39-18728; Docket No. FAA-2015-3142; Directorate Identifier 2015-NM-003-AD.

**(a) Effective Date**

This AD is effective January 20, 2017.

**(b) Affected ADs**

None.

**(c) Applicability**

This AD applies to The Boeing Company Model 787-8 series airplanes, certificated in any category, as identified in Boeing Alert Service Bulletin B787-81205-SB270026-00, Issue 002, dated June 13, 2016.

**(d) Subject**

Air Transport Association (ATA) of America Code 27, Flight Control Systems.

**(e) Unsafe Condition**

This AD was prompted by reports of the accumulation of very fine particle deposits in the power control unit (PCU) electro-hydraulic servo valves (EHSVs) used in the flight control system; this accumulation caused degraded performance due to reduced EHSV internal hydraulic supply pressures, resulting in the display of PCU fault status messages from the engine indication and crew alerting system (EICAS). We are issuing this AD to prevent failure of flight control hydraulic PCUs, which could lead to reduced controllability of the airplane.

**(f) Compliance**

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

**(g) Marker Installation**

Within 36 months after the effective date of this AD, install markers to allow servicing of hydraulic systems with only HyJet V hydraulic fluid, in accordance with the Accomplishment Instructions of Boeing Alert Service Bulletin B787-81205-SB270026-00, Issue 002, dated June 13, 2016.

Note 1 to paragraph (g) of this AD: Boeing Alert Service Bulletin B787-81205-SB270026-00, Issue 002, dated June 13, 2016, refers to Boeing Service Bulletin B787-81205-SB290022-00, Issue 001, dated September 4, 2014, as an additional source of guidance for installing markers to allow servicing of hydraulic systems with only HyJet V hydraulic fluid.

Note 2 to paragraph (g) of this AD: Task 1, Figure 1, and Task 2, Figure 1, of Boeing Service Bulletin B787-81205-SB290022-00, Issue 001, dated September 4, 2014, identify P/N 710Z7290-9##ALT1 for the left and right engine diagonal braces; however, the correct P/N is 710Z7290-9 with no ##ALT suffix.

**(h) Fluid Tests of the Left, Right, and Center Hydraulic Systems**

For airplanes identified in Boeing Alert Service Bulletin B787-81205-SB270026-00, Issue 002, dated June 13, 2016, as Group 1, Configuration 2, Group 2: Within 36 months after the effective date of this AD, do hydraulic fluid tests of the left, right, and center hydraulic systems, replace the hydraulic system fluid, if necessary, and do all applicable related investigative and corrective actions, in accordance with the Accomplishment Instructions of Boeing Alert Service Bulletin B787-81205-SB270026-00, Issue 002, dated June 13, 2016. Do all applicable related investigative and corrective actions within 36 months after the effective date of this AD.

**(i) Credit for Previous Actions**

This paragraph provides credit for the actions required by paragraphs (g) and (h) of this AD, if those actions were performed before the effective date of this AD using Boeing Alert Service Bulletin B787-81205-SB270026-00, Issue 001, dated November 25, 2014.

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

(1) The Manager, Seattle Aircraft Certification Office (ACO), 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 ACO, send it to the attention of the person identified in paragraph (k)(1) of this AD. Information may be emailed to:

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) For service information that contains steps that are labeled as Required for Compliance (RC), the provisions of paragraphs (j)(3)(i) and (j)(3)(ii) apply.

(i) The steps labeled as RC, including substeps under an RC step and any figures identified in an RC step, must be done to comply with the AD. If a step or sub-step is labeled “RC Exempt,” then the RC requirement is removed from that step or sub-step. An AMOC is required for any deviations to RC steps, including substeps and identified figures.

(ii) Steps not labeled as RC may be deviated from using accepted methods in accordance with the operator's maintenance or inspection program without obtaining approval of an AMOC, provided the RC steps, including substeps and identified figures, can still be done as specified, and the airplane can be put back in an airworthy condition.

(4) An AMOC that provides an acceptable level of safety may be used for any repair 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. For a repair method to be approved, the repair must meet the certification basis of the airplane, and the approval must specifically refer to this AD.

**(k) Related Information**

(1) For more information about this AD, contact Fnu Winarto, Aerospace Engineer, Systems and Equipment Branch, ANM-130S, FAA, Seattle ACO, 1601 Lind Avenue SW., Renton, WA 98057-3356; phone: 425-917-6659; fax: 425-917-6590; email: fnu.winarto@faa.gov.

(2) Service information identified in this AD that is not incorporated by reference is available at the addresses specified in paragraphs (1)(4) and (1)(5) of this AD.

**(l) Material Incorporated by Reference**

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

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

(3) The following service information was approved for IBR on January 20, 2017 (81 FR 90955, December 16, 2016).

(i) Boeing Alert Service Bulletin B787-81205-SB270026-00, Issue 002, dated June 13, 2016.

(ii) Reserved.

(4) 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>.

(5) You may view this service information at the FAA, Transport Airplane Directorate, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221.

(6) 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 December 22, 2016.

Robert D. Breneman,  
Acting Manager,  
Transport Airplane Directorate,  
Aircraft Certification Service.

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