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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2026-2716; Project Identifier AD-2025-00990-T; Amendment 39-23496; AD 2026-21-07]

RIN 2120-AA64

Airworthiness Directives; The Boeing Company Airplanes

AGENCY:

Federal Aviation Administration (FAA), DOT.

ACTION:

Final rule.

SUMMARY:

The FAA is adopting a new airworthiness directive (AD) for certain The Boeing Company Model 737-8, 737-9, and 737-8200 airplanes. This AD was prompted by a leak through the form-in-place (FiP) gasket found during a leak check. This AD requires a detailed inspection of the FiP gasket at the engine fuel shutoff valve access panel for correct sealant installation, or a detailed inspection at the engine fuel shutoff valve access panel for any damage on the preformed seal, depending on configuration; a fluid leak test of the engine fuel shutoff valve access panel for any leak; and applicable on-condition actions. The FAA is issuing this AD to address the unsafe condition on these products.

DATES:

This AD is effective December 1, 2026. The Director of the Federal Register approved the incorporation by reference of a certain publication listed in this AD as of December 1, 2026.

ADDRESSES:

AD Docket: You may examine the AD docket at *regulations.gov* under Docket No. FAA-2026-2716; or in person at Docket Operations between 9 a.m. and 5 p.m., Monday through Friday, except Federal

holidays. The AD docket contains this final rule, any comments received, and other information. The address for Docket Operations is U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE, Washington, DC 20590.

Material Incorporated by Reference:

- For Boeing material identified in this AD, contact Boeing Commercial Airplanes, Attention: Contractual & Data Services (C&DS), 2600 Westminster Blvd., MC 110-SK57, Seal Beach, CA 90740-5600; telephone 562-797-1717; website*myboeingfleet.com*.
- You may view this material at the FAA, Airworthiness Products Section, Operational Safety Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195. It is also available at*regulations.gov* under Docket No. FAA-2026-2716.

FOR FURTHER INFORMATION CONTACT:

Erica Bayles, Aviation Safety Engineer, FAA, 2200 South 216th St., Des Moines, WA 98198; phone: 907-271-5844; email: *erica.e.bayles@faa.gov*.

SUPPLEMENTARY INFORMATION:

Background

The FAA issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 by adding an AD that would apply to certain The Boeing Company Model 737-8, 737-9, and 737-8200 airplanes. The NPRM was published in the **Federal Register** on March 23, 2026 (91 FR 13791). The NPRM was prompted by a leak through the FiP gasket at the engine fuel shutoff valve access panel found during a leak check, completed as part of a nonconformance disposition for the Boeing Company Model 737-8, 737-9, and 737-8200 airplanes. An investigation found that the fairing requirements of the engine fuel shutoff valve access panel caused thin regions of the FiP gasket, which caused the manufacturer to apply non-permitted sealant after the initial FiP gasket had cured, resulting in an uneven sealing surface on the engine fuel shutoff valve access panel and a fuel leak. In the NPRM, the FAA proposed to require a detailed inspection of the FiP gasket at the engine fuel shutoff valve access panel for correct sealant installation, or a detailed inspection at the engine fuel shutoff valve access panel for any damage on the preformed seal, depending on configuration; a fluid leak test of the engine fuel shutoff valve access panel for any leak; and applicable on-condition actions. The FAA is issuing this AD to address incorrect or missing sealant installation. The unsafe condition, if not addressed, could result in fuel leaking onto the engine exhaust nozzle and a possible fire on the ground.

Discussion of Final Airworthiness Directive

Comments

The FAA received a comment from the Air Line Pilots Association, International (ALPA) who supported the NPRM without change.

The FAA received additional comments from American Airlines (American) and Southwest Airlines (Southwest). The following presents the comments received on the NPRM and the FAA's response to each comment.

Request To Combine Proposed ADs

American requested that the FAA revise the proposed AD by incorporating the affected airplanes and proposed requirements from another proposed AD (Docket No. FAA-2026-2725, Project Identifier AD-2025-00999-T) and then rescind that other proposed AD. American noted, although the proposed ADs reference different service information and different airplane models, both proposed ADs would mandate similar corrective requirements. American stated consolidating these actions into a single NPRM would improve clarity and enhance compliance management without changing the technical intent of the inspection or impacting airplane airworthiness.

The FAA disagrees with this request. The FAA acknowledges that some operators may prefer to address the unsafe condition with a single AD; however, other operators may prefer that the FAA issue two separate ADs. Additionally, when the manufacturer develops two separate service bulletins to address an unsafe condition on different airplane models, proceeding with two separate ADs, in general, allows the FAA to address the unsafe condition on all airplane models in a timely manner. For example, if development of one service bulletin is delayed, the rulemaking process would be delayed for all affected airplane models.

Request To Remove Exceptions to Service Information Instructions

American requested that the FAA remove the exceptions in paragraphs (h)(3), (5), and (6) from the proposed AD and instead adopt the instructions in the compliance tables and appendices of Boeing Alert Requirements Bulletin 737-57A1358 RB, dated November 17, 2025 (the Boeing Alert Requirements Bulletin). American stated that the language in the service information sufficiently defines the corrective action by referencing figure 4, and that retaining this information helps maintain consistency and minimizes the potential for misinterpretation.

The FAA notes that the exceptions in paragraph (h)(3) are necessary because the “on-condition corrective action(s)” in tables 1 and 2 of the Compliance and Accomplishment Instructions of the Boeing Alert Requirements Bulletin are not defined in that bulletin. Similarly, the exceptions in paragraphs (h)(5) and (6) are necessary because Appendices A and B of the Boeing Alert Requirements Bulletin do not explicitly specify to replace the FiP gasket if the fluid leak test fails. Therefore, the exceptions in paragraphs (h)(3), (5), and (6) are necessary to clarify what on-condition corrective actions must be taken after a fluid leak test failure. The FAA has not revised this AD in response to this comment.

Request To Clarify Post-AD Requirements

Southwest asked if the FAA agrees that, after completing the actions required by this AD, an alternative method of compliance (AMOC) is not required to maintain the airplane per the Boeing aircraft maintenance manual (AMM). Southwest stated a certain task in the Boeing AMM provides instructions that vary subtly from the procedures in the Boeing Alert Requirements Bulletin.

The FAA agrees that an AMOC is not needed to maintain the airplane after complying with the requirements of this AD if the airplane is maintained per the Boeing AMM. The FAA notes that the unsafe condition was introduced during airplane production through the application of non-permitted sealant after the initial FiP gasket had cured. Since the FAA has not received any reports of in-service events where anomalies were introduced during maintenance based on AMM instructions, the FAA

considers the relevant AMM tasks to be appropriate. Further, Boeing has updated the AMM task to include notes to prevent sealant touch-up after the initial sealant application. Boeing has also updated the AMM procedures for the fluid leak test to match the procedures in the Boeing Alert Requirements Bulletin. Those updates in the AMM instructions are expected to support operators for improved maintenance of the FiP gasket or preformed seal installed at the engine fuel shutoff valve access panel.

Conclusion

The FAA reviewed the relevant data, considered any comments received, and determined that air safety requires adopting this AD as proposed. Accordingly, the FAA is issuing this AD to address the unsafe condition on these products. Except for minor editorial changes, this AD is adopted as proposed in the NPRM. None of the changes will increase the economic burden on any operator.

Material Incorporated by Reference Under 1 CFR Part 51

The FAA reviewed Boeing Alert Requirements Bulletin 737-57A1358 RB, dated November 17, 2025. This material specifies procedures for a detailed inspection of the FiP gasket at the engine fuel shutoff valve access panel of the left and right wing for correct sealant installation, or a detailed inspection at the engine fuel shutoff valve access panel of the left and right wings for any damage on the preformed seal, depending on configuration; a fluid leak test of the engine fuel shutoff valve access panel for any leak; and applicable on-condition actions. On-condition actions include replacing the FiP gasket, repairing damage to the preformed gasket, and repeating the leak test until no leak is found.

This material 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

The FAA estimates that this AD affects 433 airplanes of U.S. registry. The FAA estimates the following costs to comply with this AD:

Estimated Costs

Action	Labor cost	Parts cost	Cost per product	Cost on U.S. operators
Inspection for sealant application	1 work-hours × $85 per hour = $85	$0	$85	Up to $36,805.
Inspection for damage	1 work-hour × $85 per hour = $85	0	85	Up to $36,805.
Leak test	1 work-hour × $85 per hour = $85	0	85	$36,805.

The FAA estimates the following costs to do any necessary replacements that would be required based on the results of the inspection. The agency has no way of determining the number of aircraft that

might need these replacements:

On-Condition Costs

Action	Labor cost	Parts cost	Cost per product
Replacement	Up to 3 work-hours × $85 per hour = $255	Up to $1,000	Up to $1,255.

The FAA has received no definitive data on which to base the cost estimates for the on-condition repairs to the preformed gasket specified in this AD.

The FAA has included all known costs in its cost estimate. According to the manufacturer, however, some or all of the costs of this AD may be covered under warranty, thereby reducing the cost impact on affected operators.

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.

The FAA is 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.

Regulatory Findings

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) Will not affect intrastate aviation in Alaska, and

(3) 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

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 adding the following new airworthiness directive:

2026-21-07 The Boeing Company: Amendment 39-23496; Docket No. FAA-2026-2716; Project Identifier AD-2025-00990-T.

(a) Effective Date

This airworthiness directive (AD) is effective December 1, 2026.

(b) Affected ADs

None.

(c) Applicability

This AD applies to The Boeing Company Model 737-8, 737-9, and 737-8200 airplanes, certificated in any category, as identified in Boeing Alert Requirements Bulletin 737-57A1358 RB, dated November 17, 2025.

(d) Subject

Air Transport Association (ATA) of America Code 57, Wings.

(e) Unsafe Condition

This AD was prompted by a leak through the form-in-place (FiP) gasket found during a leak check. An investigation found that the fairing requirements of the engine fuel shutoff valve access panel caused thin regions of the FiP gasket, which caused non-permitted sealant to be applied after the initial FiP gasket had cured, resulting in an uneven sealing surface on the engine fuel shutoff valve access panel and a fuel leak. The FAA is issuing this AD to address incorrect sealant installation and damage to preformed seals. The unsafe condition, if not addressed, could result in fuel leaking onto the engine nozzle and a consequent fire on the ground.

(f) Compliance

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

(g) Required Actions

Except as specified by paragraph (h) of this AD: At the applicable times specified in the "Compliance" paragraph of Boeing Alert Requirements Bulletin 737-57A1358 RB, dated November 17, 2025, do all applicable actions identified in, and in accordance with, the Accomplishment Instructions of Boeing Alert Requirements Bulletin 737-57A1358 RB, dated November 17, 2025.

Note 1 to paragraph (g): Guidance for accomplishing the actions required by this AD can be found in Boeing Alert Service Bulletin 737-57A1358, dated November 17, 2025, which is referred to in Boeing Alert Requirements Bulletin 737-57A1358 RB, dated November 17, 2025.

(h) Exceptions to Requirements Bulletin Specifications

(1) Where the Compliance Time columns of the tables in the "Compliance" paragraph of Boeing Alert Requirements Bulletin 737-57A1358 RB, dated November 17, 2025, refer to the original issue date of Requirements Bulletin 737-57A1358 RB, this AD requires using the effective date of this AD.

(2) Where Boeing Alert Requirements Bulletin 737-57A1358 RB, dated November 17, 2025, specifies contacting Boeing for repair instructions: This AD requires doing the repair using a method approved in accordance with the procedures specified in paragraph (i) of this AD.

(3) Where Table 1 and Table 2 in Boeing Alert Requirements Bulletin 737-57A1358 RB, dated November 17, 2025, specifies "Do a fluid leak test of the engine fuel shutoff valve access panel for any leak. If any leak is found, do all applicable on-condition corrective action(s) and repeat the leak test until no leak is found", this AD requires replacing that text with "Do a fluid leak test of the engine fuel shutoff valve access panel for any leak. If any leak is found, replace the FiP gasket and repeat the leak test until no leak is found".

(4) Where Table 3 and Table 4 in Boeing Alert Requirements Bulletin 737-57A1358 RB, dated November 17, 2025, specifies "Do a fluid leak test of the engine fuel shutoff valve access panel for any leak. If any leak is found, do all applicable on-condition corrective action(s) and repeat the leak test until no leak is found", this AD requires replacing that text with "Do a fluid leak test of the engine fuel shutoff valve access panel for any leak. If any leak is found, replace the existing sealant installation with a removable fay seal and repeat the leak test until no leak is found".

(5) Where step 4.b. of Appendix A in Boeing Alert Requirements Bulletin 737-57A1358 RB, dated November 17, 2025, specifies "If any water leaks from the engine fuel shutoff valve access panel in less than two minutes, the fluid leak test has failed", this AD requires replacing that text with "If any water leaks from the engine fuel shutoff valve access panel in less than two minutes, the fluid leak test has failed. Replace the FiP gasket in accordance with Figure 3 (Group 1) and removable fay seal in accordance with Figure 7 (Group 2), and repeat the leak test until no leak is found".

(6) Where step 4.b. of Appendix B in Boeing Alert Requirements Bulletin 737-57A1358 RB, dated November 17, 2025, specifies "If any water leaks from the engine fuel shutoff valve access panel in less than two minutes, the fluid leak test has failed", this AD requires replacing that text with "If any water

leaks from the engine fuel shutoff valve access panel in less than two minutes, the fluid leak test has failed. Replace the FiP gasket in accordance with Figure 4 (Group 1) and removable fay seal in accordance with Figure 8 (Group 2), and repeat the leak test until no leak is found".

(i) Alternative Methods of Compliance (AMOCs)

(1) The Manager, AIR-520, Continued Operational Safety 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 responsible Flight Standards Office, as appropriate. If sending information directly to the manager of the Continued Operational Safety Branch, send it to the attention of the person identified in paragraph (j)(1) of this AD. Information may be emailed to: *AMOC@faa.gov*. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the responsible Flight Standards Office.

(2) 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 Company Organization Designation Authorization (ODA) that has been authorized by the Manager, AIR-520, Continued Operational Safety Branch, FAA, 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.

(j) Additional Information

(1) For more information about this AD, contact Erica Bayles, Aviation Safety Engineer, FAA, 2200 South 216th St., Des Moines, WA 98198; phone: 907-271-5844; email: *erica.e.bayles@faa.gov*.

(2) Material identified in this AD that is not incorporated by reference is available at the address specified in paragraph (k)(3) of this AD.

(k) Material Incorporated by Reference

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

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

(i) Boeing Alert Requirements Bulletin 737-57A1358 RB, dated November 17, 2025.

(ii) [Reserved]

(3) For Boeing material identified in this AD, contact Boeing Commercial Airplanes, Attention: Contractual & Data Services (C&DS), 2600 Westminster Blvd., MC 110-SK57, Seal Beach, CA 90740-5600; telephone 562-797-1717; website *myboeingfleet.com*.

(4) You may view this material at the FAA, Airworthiness Products Section, Operational Safety Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195.

(5) You may view this material at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, visit *www.archives.gov/federal-register/cfr/ibr-locations* or email *fr.inspection@nara.gov*.

Issued on October 20, 2026.

Lona C. Saccomando,

Acting Deputy Director, Integrated Certificate Management Division, Aircraft Certification Service.

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