



[4910-13-P]

**DEPARTMENT OF TRANSPORTATION**

**Federal Aviation Administration**

**14 CFR Part 39**

**[Docket No. FAA-2017-0632; Product Identifier 2017-NE-16-AD]**

**RIN 2120-AA6**

**Airworthiness Directives; Zodiac Seats France, Cabin Attendant Seats**

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

**ACTION:** Notice of proposed rulemaking (NPRM).

**SUMMARY:** We propose to adopt a new airworthiness directive (AD) for certain Zodiac Seats France, 536 Series Cabin Attendant Seats. This proposed AD was prompted by cracks found in a highly concentrated stress area of the seat pan hinges. This proposed AD would require repetitive inspections and replacement of the seat pan. We are proposing this AD to correct the unsafe condition on these products.

**DATES:** We must receive comments on this NPRM by [INSERT DATE 45 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

**ADDRESSES:** You may send comments by any of the following methods:

- Federal eRulemaking Portal: Go to <http://www.regulations.gov>. Follow the instructions for submitting comments.
- Mail: Docket Management Facility, U.S. Department of Transportation, 1200 New Jersey Avenue SE., West Building Ground Floor, Room W12-140, Washington, DC 20590-0001.
- Hand Delivery: Deliver to Mail address above between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.
- Fax: 202-493-2251.

For service information identified in this NPRM, contact Zodiac Seats France, Rue Robert Marechal Senior B.P. 69, 36100 Issoudun, France; phone: +33 (0) 9 70 83 08 30; email: zs.tac@zodiac aerospace.com; Internet: <http://www.services.zodiac aerospace.com>. You may view this service information at the FAA, Engine and Propeller Standards Branch, Policy and Innovation Division, 1200 District Avenue, Burlington, MA. For information on the availability of this material at the FAA, call 781-238-7125.

### **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-2017-0632; 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 proposed AD, the mandatory continuing airworthiness information (MCAI), the regulatory evaluation, any comments received, and other information. The address for the Docket Office (phone: 800-647-5527) is in the ADDRESSES section. Comments will be available in the AD docket shortly after receipt.

**FOR FURTHER INFORMATION CONTACT:** Dorie Resnik, Aerospace Engineer, FAA, Boston ACO Branch, Compliance and Airworthiness Division, 1200 District Avenue, Burlington, MA 01803; phone: 781-238-7693; fax: 781-238-7199; email: [dorie.resnik@faa.gov](mailto:dorie.resnik@faa.gov).

### **SUPPLEMENTARY INFORMATION:**

#### **Comments Invited**

We invite you to send any written relevant data, views, or arguments about this proposed AD. Send your comments to an address listed under the ADDRESSES section. Include “Docket No. FAA-2017-0632; Product Identifier 2017-NE-16-AD” at the beginning of your comments. We specifically invite comments on the overall regulatory,

economic, environmental, and energy aspects of this proposed AD. We will consider all comments received by the closing date and may amend this proposed AD because of those comments.

We will post all comments we receive, without change, to <http://www.regulations.gov>, including any personal information you provide. We will also post a report summarizing each substantive verbal contact with FAA personnel concerning this proposed AD.

### **Discussion**

The European Aviation Safety Agency (EASA), which is the Technical Agent for the Member States of the European Community, has issued EASA AD 2017-0001, dated January 6, 2017 (referred to hereinafter as “the MCAI”), to correct an unsafe condition for the specified products. The MCAI states:

Cases of cracks were found on Zodiac Seats France cabin attendant seats 536 series installed on some ATR 42 and ATR 72 aeroplanes. The detected damage was located in the area of the seat pan hinges. Investigations identified that fatigue had caused these cracks in a highly concentrated stress area. This condition, if not detected and corrected, could lead to failure of the seat, possibly resulting in injury to the seat occupant. To address this potential unsafe condition, Zodiac Seats France issued Service Bulletin (SB) 536-25-003 to provide inspection and replacement instructions. Consequently, EASA issued AD 2016-0164, requiring repetitive visual inspections of the affected cabin attendant seats and, depending on findings, replacement of the seat pan. Since that AD was issued, Zodiac Seats France developed a reinforced seat pan, and revised SB 536-25-003 accordingly. After installation of a reinforced seat pan, the seat P/N amendment status is updated. For the reason described above, this AD retains the requirements of EASA AD 2016-0164, which is superseded, prohibits installation of unreinforced seat pans on seats already modified, and introduces the reinforced seat pan installation as optional terminating action for the repetitive inspections.

You may obtain further information by examining the MCAI in the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2017-0632.

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

Zodiac Aerospace has issued Service Bulletin (SB) No. 536-25-003, Revision 3, dated June 2, 2017. The SB describes procedures for inspection, modification, or replacement of the seat pan, of certain model seats known to be installed on ATR 42 and ATR 72 airplanes. 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.

#### **FAA's Determination and Requirements of This Proposed AD**

This product has been approved by EASA, and is approved for operation in the United States. Pursuant to our bilateral agreement with the European Community, EASA has notified us of the unsafe condition described in the MCAI and service information referenced above. We are proposing this AD because we evaluated all information provided by EASA and determined the unsafe condition exists and is likely to exist or develop on other products of the same type design. This proposed AD would require inspection, and modification of certain model seats.

#### **Costs of Compliance**

We estimate that this proposed AD affects 55 seat assemblies installed on, but not limited to, ATR 42 and ATR 72 airplanes of U.S. registry.

We estimate the following costs to comply with this proposed AD:

**Estimated costs**

<b>Action</b>	<b>Labor cost</b>	<b>Parts cost</b>	<b>Cost per product</b>	<b>Cost on U.S. operators</b>
Seat inspection, modification, or replacement	1.2 work-hours X \$85 per hour = \$102	\$1,500	\$1,602	\$88,110

According to the manufacturer, some of the costs of this proposed AD may be covered under warranty, thereby reducing the cost impact on affected individuals. We do not control warranty coverage for affected individuals. As a result, we have included all costs in our cost estimate.

**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 engines, propellers, and associated appliances to the Manager, Engine and Propeller Standards Branch, Policy and Innovation Division.

### **Regulatory Findings**

We determined that this proposed AD would not have federalism implications under Executive Order 13132. This proposed AD would 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 this proposed regulation:

- (1) Is not a “significant regulatory action” under Executive Order 12866,
- (2) Is not a “significant rule” under the 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.

## **The Proposed Amendment**

Accordingly, under the authority delegated to me by the Administrator, the FAA proposes to amend 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 (AD):

**Zodiac Seats France (formerly SICMA Aero Seat):** Docket No. FAA-2017-0632;  
Product Identifier 2017-NE-16-AD.

#### **(a) Comments Due Date**

We must receive comments by [INSERT DATE 45 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

#### **(b) Affected ADs**

None.

#### **(c) Applicability**

(1) This AD applies to all Zodiac Seats France, Cabin Attendant Seat 536 Series, part numbers (P/N) 53600, all dash numbers, all serial numbers, with seat pan P/N F0433453, installed.

(2) These appliances are installed on, but not limited to, ATR 42 and ATR 72 airplanes of U.S. registry.

**(d) Subject**

Joint Aircraft System Component (JASC) Code 2500, Cabin  
Equipment/Furnishings.

**(e) Reason**

This AD was prompted by cracks found in a highly concentrated stress area of the seat pan hinges. We are issuing this AD to prevent failure of affected seats.

**(f) Compliance**

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

(1) Before exceeding 2,500 flight cycles (FC), or within 100 FC after the effective date of this AD, whichever occurs later, inspect the seat pan structure in both deployed and stowed positions using paragraph 2.A., Accomplishment Instructions, of Zodiac Seats France Service Bulletin (SB) No. 536-25-003, Revision 3, dated June 2, 2017.

(2) If cracks are found, before next flight:

(i) Replace seat pan with reinforced seat pan, P/N F0511530, using paragraph 2.B., Accomplishment Instructions, of Zodiac Seats France SB No. 536-25-003, Revision 3, dated June 2, 2017.

(ii) Re-mark the seat using paragraph 2.C., Accomplishment Instructions, of Zodiac Seats France SB No. 536-25-003, Revision 3, dated June 2, 2017.

(3) If no cracks are found, do the following:

(i) Re-mark the seat using paragraph 2.C., Accomplishment Instructions, of Zodiac Seats France SB No. 536-25-003, Revision 3, dated June 2, 2017.

(ii) Reinspect the seat pan within every 100 FC since last inspection, or replace seat pan with reinforced seat pan, P/N F0511530, using paragraph 2.B., Accomplishment Instructions, of Zodiac Seats France SB No. 536-25-003, Revision 3, dated June 2, 2017.

(4) Until compliance with this AD is accomplished, stow and secure an affected attendant seat in the retracted position to prevent occupancy, in accordance with the provisions and limitations of the applicable Master Minimum Equipment List item.

**(g) Optional Terminating Action**

Installation of a reinforced seat pan, P/N F0511530, using paragraph 2.B., Accomplishment Instructions, of Zodiac Seats France SB No. 536-25-003, Revision 3, dated June 2, 2017, is terminating action to this AD.

**(h) Credit for Previous Actions**

You may take credit for inspections and modifications performed in accordance with Zodiac Seats France SB No. 536-25-003, first issued May 24, 2016, or Zodiac Seats France SB No. 536-25-003, Revision 1, dated August 29, 2016 or Zodiac Seats France SB No. 536-25-003, Revision 2, dated September 16, 2016, if you performed these actions before the effective date of this AD.

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

(1) The Manager, FAA, Boston ACO Branch, Compliance and Airworthiness Division, 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 Branch, send it to the attention of the person identified in paragraph (j)(1) of this AD. You may email your request to: 9-ane-boston-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.

**(j) Related Information**

(1) For more information about this AD, contact Dorie Resnik, Aerospace Engineer, FAA, Boston ACO Branch, Compliance and Airworthiness Division, 1200 District Avenue, Burlington, MA 01803; phone: 781-238-7693; fax: 781-238-7199; email: [dorie.resnik@faa.gov](mailto:dorie.resnik@faa.gov).

(2) Refer to MCAI EASA AD 2017-0001, dated January 6, 2017, for more information. You may examine the MCAI in the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating it in Docket No. FAA-2017-0632.

(3) Zodiac Seats France SB No. 536-25-003, Revision 3, dated June 2, 2017, can be obtained from Zodiac Seats France, using the contact information in paragraph (j)(4) of this proposed AD.

(4) For service information identified in this proposed AD, contact Zodiac Seats France, Rue Robert Marechal Senior B.P. 69, 36100 Issoudun, France; phone: +33 (0) 9 70 83 08 30; email: [zs.tac@zodiac aerospace.com](mailto:zs.tac@zodiac aerospace.com); Internet: <http://www.services.zodiac aerospace.com>.

(5) You may view this service information at the FAA, Engine and Propeller Standards Branch, Policy and Innovation Division, 1200 District Avenue, Burlington, MA. For information on the availability of this material at the FAA, call 781-238-7125.

Issued in Burlington, Massachusetts, on December 18, 2017.

Robert J. Ganley,  
Manager, Engine and Propeller Standards Branch,  
Aircraft Certification Service.

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