

2010-02-06 Sicma Aero Seat: Amendment 39-16176. Docket No. FAA-2007- 27346; Directorate Identifier 2008-NM-205-AD.

Effective Date

(a) This airworthiness directive (AD) becomes effective February 24, 2010.

Affected ADs

(b) None.

Applicability

(c) This AD applies to Sicma Aero Seat 90xx and 92xx series passenger seats with part numbers (P/Ns) listed in Annex 1, dated July 17, 2002, of Sicma Aero Seat Service Bulletin 92-25-005, Issue 3, dated January 17, 2003. These products are installed on, but not limited to, ATR--GIE Avions de Transport Regional Model ATR42-200, -300, -320, and -500 airplanes, and Model ATR72-101, - 201, -102, -202, -211, -212, and -212A airplanes; certificated in any category.

Note 1: This AD applies to certain Sicma Aero Seat passenger seats as installed on any airplane, regardless of whether the airplane has been otherwise modified, altered, or repaired in the area subject to the requirements of this AD. For airplanes that have been modified, altered, or repaired so that the performance of the requirements of this AD is affected, the owner/operator must request approval for an alternative method of compliance according to paragraph (g) of this AD. The request should include an assessment of the effect of the modification, alteration, or repair on the unsafe condition addressed by this AD; and, if the unsafe condition has not been eliminated, the request should include specific proposed actions to address it.

Subject

(d) Air Transport Association (ATA) of America Code 25: Equipment/Furnishings.

Reason

(e) The mandatory continuing airworthiness information (MCAI) states:

Cracks have been found in central spreaders P/N 92-000100-200-1 or P/N 92-000101-200-1. This may heavily affect the structural integrity of the seat.

Failure of the central spreaders could result in injury to an occupant during emergency conditions.

Actions and Compliance

(f) Unless already done, do the following actions.

(1) Within 500 flight hours after the effective date of this AD, perform a visual inspection of central spreaders, P/N 92-000100-200- 1 and P/N 92-000101-200-1, of the affected seats using the Accomplishment Instructions, "Part One: Checking Procedure," of Sicma Aero Seat Service Bulletin 92-25-005, Issue 3, dated January 17, 2003 ("the service bulletin"). If no crack is found, repeat this

inspection at intervals not exceeding 500 flight hours until a new central spreader, P/N 92-000100-200-1 or P/N 92-000101-200-1, and doublers, P/N 00-6536, are installed in accordance with "Part Three: Central Spreader Replacement" of the service bulletin. Type 1, 2, and 3 cracks are defined in the Accomplishment Instructions, "Part One: Checking Procedure," of the service bulletin.

(i) If a type 1 crack is found, within 6 months or 500 flight hours after accomplishing the inspection, whichever comes first, check the crack to determine that it did not enlarge to a type 2 or type 3 crack by using the Accomplishment Instructions, "Part One: Checking Procedure," of the service bulletin; install doublers, P/N 00-6536, by using the Accomplishment Instructions, "Part Two: Central Spreader Modification," of the service bulletin, and record this modification by using "B--Seat identification" of the Accomplishment Instructions, "Part One: Checking Procedure," of the service bulletin.

(ii) If a type 2 or 3 crack is found, before further flight, replace the affected central spreader with a new one with the same part number, equipped with doublers, P/N 00-6536, by using the Accomplishment Instructions, "Part Three: Central Spreader Replacement," of the service bulletin.

(iii) If a new spreader is unavailable, before further flight, do a temporary repair by installing doublers, P/N 00-6536, by using the Accomplishment Instructions, "Part Two: Central Spreader Modification," of the service bulletin. This temporary repair may remain in place no longer than 500 flight hours or six months, whichever comes first. After removing the temporary repair, before further flight, install a new spreader with the same P/N equipped with doublers, P/N 00-6536, by using the Accomplishment Instructions, "Part Three: Central Spreader Replacement," of the service bulletin, and record this modification by following the instructions in "B--Seat identification" of the Accomplishment Instructions, "Part Three: Central Spreader Replacement," of the service bulletin.

(2) If not already done, within 24 months after the effective date of this AD, install doublers, P/N 00-6536, on new central spreaders of affected seats by using the Accomplishment Instructions, "Part Three: Central Spreader Replacement," of Sicma Aero Seat Service Bulletin 92-25-005, Issue 3, dated January 17, 2003 ("the service bulletin"). Record this modification by following instructions in "B--Seat identification" of the Accomplishment Instructions, "Part Three: Central Spreader Replacement," of the service bulletin. Installing a new central spreader P/N 92-000100-200-1 or 92-000101-200-1, and doublers, P/N 00-6536 on all affected seats terminates the requirements of this AD.

(3) Actions accomplished before the effective date of this AD in accordance with Sicma Aero Seat Service Bulletin 92-25-005, Issue 1, dated August 29, 2002; and Issue 2, dated October 29, 2002; are considered acceptable for compliance with the corresponding actions specified in this AD.

FAA AD Differences

Note 2: This AD differs from the MCAI and/or service information as follows: The Direction Generale de l'Aviation Civile (DGAC) airworthiness directive 2002-504(AB), effective October 12, 2002, specifies that doublers, P/N 00-6536, be installed on central spreaders of affected seats by December 31, 2005. This AD requires the doublers to be installed within 24 months after the effective date of this AD.

Other FAA AD Provisions

(h) The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, Boston Aircraft Certification Office, 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: Jeffrey Lee, Aerospace Engineer, Boston Aircraft Certification Office, FAA, Engine & Propeller Directorate, 12 New England Executive Park, Burlington, Massachusetts 01803; telephone 781-238-7161; fax 781-238-7170. Before using any approved AMOC on any airplane to which the AMOC applies, notify your principal maintenance inspector (PMI) or principal avionics inspector (PAI), as appropriate, or lacking a principal inspector, your local Flight Standards District Office. The AMOC approval letter must specifically reference this AD.

(2) Airworthy Product: For any requirement in this AD to obtain corrective actions from a manufacturer or other source, use these actions if they are FAA-approved. Corrective actions are considered FAA-approved if they are approved by the State of Design Authority (or their delegated agent). You are required to assure the product is airworthy before it is returned to service.

(3) Reporting Requirements: For any reporting requirement in this AD, under the provisions of the Paperwork Reduction Act (44 U.S.C. 3501 et seq.), the Office of Management and Budget (OMB) has approved the information collection requirements and has assigned OMB Control Number 2120-0056.

Related Information

(h) Refer to MCAI DGAC Airworthiness Directive 2002-504(AB), effective October 12, 2002; and Sicma Aero Seat Service Bulletin 92- 25-005, Issue 3, dated January 17, 2003, including Annex 1, dated July 17, 2002; for related information.

(i) Contact Jeffrey Lee, Aerospace Engineer, Boston Aircraft Certification Office, FAA, Engine and Propeller Directorate; 12 New England Executive Park, Burlington, MA 01803; telephone 781-238-7161; fax 781-238-7170, for more information about this AD.

Material Incorporated by Reference

(j) You must use Sicma Aero Seat Service Bulletin 92-25-005, Issue 3, dated January 17, 2003, including Annex 1, dated July 17, 2002, to do the actions required by this AD, unless the AD specifies otherwise. The Sicma Aero Seat service bulletin contains the following effective pages:

Page No.	Issue level shown on page	Date shown on page
1-30	3	January 17, 2003.
ANNEX 1		
1-3	Original	July 17, 2002.

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

(2) For service information identified in this AD, contact Sicma Aero Seat, 7 Rue Lucien Coupet, 36100 Issoudun, France; telephone +33 (0) 2 54 03 39 39; fax +33 (0) 2 54 03 15 16; e-mail: customerservices@sicma.zodiac.com; Internet [http:// www.sicma.zodiac.com/en/](http://www.sicma.zodiac.com/en/).

(3) You may review copies of the service information at the FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington. For information on the availability of this material at the FAA, call 425-227-1221 or 425-227-1152.

(4) You may also review copies of the 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/code_of_federal_regulations/ibr_locations.html.