



Seats manufactured by Koito Industries

**AWB** 25-021 **Issue :** 1  
**Date :** 22 November 2011

## 1. Effectivity

All aircraft equipped with seats manufactured by Koito Industries.

## 2. Purpose

To explain the applicability of Federal Aviation Administration (FAA) AD 2011-12-01, European Aviation Safety Agency (EASA) AD 2011-0098, and Japan Civil Aviation Bureau (JCAB) AD TCD-7856-2011 to Australian registered aircraft.

## 3. Background

In 2009, the Japan Civil Aviation Bureau (JCAB), through a review of the safety of passenger seats manufactured by Koito industries, discovered discrepancies in the static, dynamic and flammability testing, as well as uncontrolled changes to production data (material and dimensional). In accordance with working agreements, the JCAB informed the FAA and EASA, both of which had approved various models of seats.

Failure to meet static and dynamic strength criteria could result in injuries to the flightcrew and passengers during emergency landing conditions. In the event of an in-flight or post-emergency landing fire, failure to meet flammability criteria could result in an accelerated fire. All three Airworthiness Authorities have issued Airworthiness Directives (AD) to prevent accelerated fires and injuries to the flightcrew and passengers.

There may be confusion as to which AD is applicable to particular aircraft in Australia.

## 4. Recommendations

CASR 39.001A states that a foreign State of Design airworthiness directive "...is issued by the NAA of the State of Design of the aircraft or aeronautical product....". The State of Design is defined as "The State having jurisdiction over the organisation responsible for the type design", i.e. the one who has approved the product.

Therefore, the FAA AD 2011-12-01 is applicable to Koito seats approved under an FAA TSOA. This will generally be on Boeing and McDonnell Douglas aircraft. EASA AD 2011-0098 is applicable to Airbus and Fokker aircraft where the seats are approved as part of the type design or on aircraft fitted with seats approved under an EASA ETSOA. JCAB AD TCD-7856-2011 would only be applicable to seats with JCAB approval. It is CASA's understanding that this would only apply to Nihon Aircraft Manufacturing Corporation (NAMC) aircraft.



# AIRWORTHINESS BULLETIN

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As no NAMC aircraft are currently on the Australian Aircraft register, in line with the CASA Airworthiness Directives Procedures Manual, CASA will not be publishing the JCAB AD on the CASA Airworthiness Directives Website.

## 5. Reporting

If an operator becomes aware that their aircraft is fitted Koito Aircraft Seats, please contact CASA to discuss an AD compliance program and confirm the applicable AD.

## 6. Enquiries

Enquiries with regard to the content of this Airworthiness Bulletin should be made via the direct link e-mail address:

[AirworthinessBulletin@casa.gov.au](mailto:AirworthinessBulletin@casa.gov.au)

or in writing, to:

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Civil Aviation Safety Authority  
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