



SERVIÇO PÚBLICO FEDERAL

DEPARTAMENTO DE AVIAÇÃO CIVIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

EFFECTIVE DATE

16 Sep. 2005

AD No.:

2004-05-03R1

The following Airworthiness Directive (AD), issued by the Departamento de Aviação Civil (DAC) in accordance with provisions of Chapter IV, Title III of Código Brasileiro de Aeronáutica - Law No. 7,565 dated 19 December 1986 - and Regulamento Brasileiro de Homologação Aeronáutica (RBHA) 39, applies to all aircraft registered in the Registro Aeronáutico Brasileiro. No person may operate an aircraft to which this AD applies, unless it has previously complied with the requirements established herein.

AD No. 2004-05-03R1 - EMBRAER - Amendment 39-1090.

APPLICABILITY:

This Airworthiness Directive is applicable to all Embraer EMB-145() and EMB-135() aircraft models in operation.

CANCELLATION / REVISION:

This AD cancels and supersedes the AD No. 2004-05-03, original issue – Amdt 39-1025, dated 02 Jun. 2004, and is being issued to alter the number of screws required to be inspected.

REASON:

It has been found the occurrence of cases of insufficient torque on the screws that attach the passenger seat tracks to the aircraft structure, which may result in one or more passenger seats becoming loose during a hard landing or a high deceleration impact condition.

Since this condition may occur in other airplanes of the same type and affects flight safety, a corrective action is required. Thus, sufficient reason exists to request compliance with this AD in the indicated time limit.

REQUIRED ACTION:

Verification of the torque of the screws that attach the passenger seat tracks; and re-torque, if necessary.

COMPLIANCE:

Required as indicated below, unless already accomplished.

Within the next 5000 flight hours or 36 calendar months after 02 Jun. 2004, the effective date of the original issue of this AD, whichever occurs first, inspect the screws that attach the passenger seat tracks for the appropriate torque. Apply the proper torque at the screws whose torque is found below the one specified before returning the aircraft to flight.

NOTE: Except for EMB-145XR aircraft model, this inspection can be performed only on the three screws located immediately before and immediately after the passenger seat attachment point. In this case, when the seats eventually are moved due to a configuration change the inspection must be performed again for the new configuration before next flight. For EMB-145XR aircraft model, all screws must be inspected.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletins Nos. 145-53-0049, original issue, and 145LEG-53-0015, original issue, or further revisions approved by the CTA.

Record compliance with this AD in the applicable maintenance log book.

CONTACT:

For additional technical information, contact:

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APPROVAL:

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NOTE: Original in Portuguese language signed and available in the files of the Registro Geral de Aeronavegabilidade (RGA/TE-1/STE) of the Departamento de Aviação Civil.