



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRAZIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2009-09-01

Effective Date: 03 Sep. 2009

The following Brazilian Airworthiness Directive (AD), issued by the Agência Nacional de Aviação Civil (ANAC) 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. 2009-09-01 - EMBRAER - Amendment 39-1286.

APPLICABILITY:

This Airworthiness Directive is applicable to Embraer Model EMB-500 airplanes.

CANCELLATION / REVISION:

Not applicable.

REASON:

It has been found the possibility of elevator mass balance fasteners becoming slack under certain conditions. The loose of at least two fasteners may lead to an unbalance condition, which may induce flutter on airplane elevators.

Since this condition may occur in other airplanes of the same type and affects flight safety, an immediate corrective action is required. Thus, sufficient reason exists to request compliance with this AD in the indicated time limit without prior notice.

REQUIRED ACTION:

Replacement of the nuts of the right and left elevators mass balance fasteners.

COMPLIANCE:

Required as indicated below, unless already accomplished.

Within the next 30 days after the effective date of this AD, replace the nuts of the right (RH) and left (LH) elevators mass balance fasteners with new ones of self-locking type bearing part number (P/N) MS21043-4.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletin No. 500-55-0001, original issue, or further revisions approved by the ANAC.

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 Aeronautical Products Certification Branch (GGCP) of the National Civil Aviation Agency (ANAC).