



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRAZIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2010-07-01

Effective Date: 09 Aug. 2010

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. 2010-07-01 - (EMBRAER) - Amendment 39-1307.

APPLICABILITY:

This Airworthiness Directive is applicable to Embraer model EMB-500 airplanes, serial numbers (S/N) 50000005 thru 50000134, 50000136, 50000137, and 50000139 thru 50000165.

CANCELLATION / REVISION:

Not applicable.

REASON:

It has been found that certain regions of the elevators, elevators trim tabs, and ailerons do not present drain holes to avoid water accumulation inside of these flight control surfaces. Internal water accumulation may lead to flight control surfaces unbalancing possibly reducing the flutter margins, which could result in loss of airplane control.

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:

Drill new drain holes in the elevators, elevators trim tabs, and ailerons surfaces.

COMPLIANCE:

Required as indicated below, unless already accomplished.

Within the next 24 calendar months after the effective date of this AD, rework the elevators, elevators trim tabs and ailerons surfaces by drilling additional drain holes in them.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletin No. 500-57-0001, 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).