



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRAZIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2011-05-05

Effective Date: 16 Jun. 2011

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 da Aviação Civil (RBAC) 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. 2011-05-05 - EMBRAER / 39-1340.

APPLICABILITY:

This Airworthiness Directive applies to Embraer model EMB-505 airplanes, serial numbers 50500004 thru 50500023.

CANCELLATION / REVISION:

Not applicable.

REASON:

It has been found the possibility of free-play between the mass balance weight and the elevator structure. This condition if not corrected could lead to elevator flutter and possible 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:

Replacement of attaching bolts of balance mass weights to elevators.

COMPLIANCE:

Required as indicated below, unless already accomplished.

Within 12 months after the effective date of this AD, replace the bolts that attach the balance mass weights to the elevators structure in accordance with the Accomplishment Instructions of Embraer Service Bulletin 505-55-0002.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletin 505-55-0002, 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:
National Civil Aviation Agency (ANAC)
Aeronautical Products Certification Branch (GGCP)
Av. Cassiano Ricardo, 521, Bloco B, 2º andar, Parque Residencial Aquarius
Fax: 55 (12) 3797-2330
12246-870 – São José dos Campos - SP, BRAZIL.
E-mail: pac@anac.gov.br

APPROVAL:

HÉLIO TARQUÍNIO JÚNIOR
General Manager
GGCP

DINO ISHIKURA
Airworthiness Superintendent
ANAC

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).

SUPERSEDED