



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL - BRAZIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2021-12-01

Effective Date: 15 Dec. 2021

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. 2021-12-01 - EMBRAER / 39-1485.

APPLICABILITY:

(a) This Airworthiness Directive (AD) applies to Embraer S.A. model EMB-545 and model EMB-550 airplanes as identified in Embraer Service Bulletin N. 550-52-0005, revision 01, dated May 22, 2018.

CANCELLATION / REVISION:

Not applicable.

REASON:

It has been found the possibility of Ram Air Turbine (RAT) compartment door seal peeling off and tangling up on the RAT rotor. This condition may cause the loss of RAT function, which, associated with an electrical emergency event, can result in loss of airplane controllability.

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 the RAT compartment door seal.

COMPLIANCE:

Required as indicated below, unless already accomplished.

(b) Replacement of the RAT compartment door seal.

For airplanes identified in paragraphs (a) of this AD, before they log 600 Flight Hours (FH) or within the next 12 months after the effective date of this AD, whichever occurs first; replace the RAT compartment door seal by another one with the same Part Number (P/N) 550-04725-901, obeying

the cure time of 24 hours before retracting the RAT, according to the detailed instructions and procedures contained in the Embraer Service Bulletin N. 550-52-0005, revision 01, dated May 22, 2018, or further revisions approved by the ANAC.

(c) Credit for previous actions.

This paragraph provides credit for the actions specified in paragraph (b) of this AD, if those actions were performed before the effective date of this AD according to Embraer SB N.550-52-0005, original issue, dated April 27, 2018.

(d) Alternative methods of compliance (AMOCs).

A different method or a different compliance time, with the requirements of this AD, may be used if approved by the Manager of Continuing Airworthiness Technical Branch (GTAC) of ANAC.

(e) Material incorporated by reference.

You must use Embraer Service Bulletin N. 550-52-0005, revision 01, dated May 22, 2018, or further revisions approved by the ANAC to do the actions required by this AD.

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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NOTA: Original in Portuguese language signed and available in the files of the Continuing Airworthiness Technical Branch (GTAC) of the National Civil Aviation Agency (ANAC).