



**AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL - BRAZIL**

**BRAZILIAN AIRWORTHINESS DIRECTIVE**

**AD No.: 2023-05-03**

**Effective Date: 02 Jun 2023**

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. 2023-05-03 - EMBRAER / 39-1522.**

**APPLICABILITY:**

(a) This Airworthiness Directive (AD) applies to Embraer S.A. airplanes model EMB-505, as specified in Service Bulletin EMBRAER No. 505-25-0046, revision 01, dated May 08<sup>th</sup> 2023.

**CANCELLATION / REVISION:**

Not applicable.

**REASON:**

Analyzes carried out identified that some of the monuments installed on Embraer model EMB-505 aircraft may not withstand the loads expected for specific emergency landing conditions, which may cause the detachment of mass items and cause injuries to the occupants of the plane.

Since this condition may occur in other airplanes 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:**

Installation of structural reinforcement on monuments and replacement of fasteners on the floor support.

**COMPLIANCE:**

Required as indicated below, unless already accomplished.

**(b) Terminating action.**

For airplanes identified in paragraph (a) of this AD, within 36 months after the effective date of this AD, compliance shall be as follows:

(1) Install structural reinforcements and replace applicable floor fasteners as defined in the Service Bulletin EMBRAER No. 505-25-0046, revision 01, dated May 08<sup>th</sup> 2023 or later revisions approved by ANAC.

**(2)** In case of application of the Service Bulletin EMBRAER No. 505-25-0046 in its original revision before the publication of this AD, inspect the installation of the fasteners on the floor support to ensure that they are MS20470E5-7 or MS20470E5-8 according to Figure 5 of Service Bulletin EMBRAER No. 505-25-0046, revision 01, dated May 08<sup>th</sup> 2023 or later revisions approved by ANAC.

(i) If the installed P/N is MS20470E5-7 or MS20470E5-8, as applicable, according to Figure 5 of EMBRAER Service Bulletin No. 505-25-0046, revision 01, dated May 8, 2023 or later revisions approved by ANAC, no further action is required.

(ii) If the installed P/N is different from MS20470E5-7 or MS20470E5-8, as applicable, replace it with a floor support fastener of P/N MS20470E5-7 or MS20470E5-8, as applicable, per Figure 5 of EMBRAER Service Bulletin No. 505-25-0046, revision 01, dated May 8, 2023 or later revisions approved by ANAC.

**(c) Credit for past actions**

This paragraph provides credit for the actions specified in paragraph (b)(1) of this AD if such actions were performed before the effective date of this AD, in accordance with EMBRAER Service Bulletin No. 505-25-0046, original revision, dated March 31, 2021, provided that the airplane maintenance records clearly identify that the actions required by paragraph (b)(1) of this AD have been completed and that the floor support fasteners installed are of P/N MS20470E5 -7 or MS20470E5-8, as applicable.

**(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 the Continuing Airworthiness Technical Branch (GTAC) of ANAC.

**(e) Material incorporated by reference.**

You must use the Service Bulletin EMBRAER No. 505-25-0046, revision 01, dated May 08<sup>th</sup> 2023 or later revisions approved by ANAC.

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

**CONTACT:**

For additional technical information, contact:

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**APPROVAL:**

ROBERTO JOSÉ SILVEIRA HONORATO  
Head of Department  
Department of Airworthiness  
ANAC

**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).