



## AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRAZIL

### BRAZILIAN AIRWORTHINESS DIRECTIVE

**AD No.: 2013-10-02**

**Effective Date: 23 Oct. 2013**

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. 2013-10-02 - (EMBRAER) / 39-1375.**

**APPLICABILITY:**

This Airworthiness Directive AD applies to Embraer S.A. model EMB-135BJ airplanes, as identified in Embraer S.A. Alert Service Bulletin (ASB) 145LEG-53-A032, revision 01, dated September 24, 2013.

**CANCELLATION / REVISION:**

Not applicable.

**REASON:**

This AD was prompted by reports of failure of the bolts that connect the lower eyelet fitting of the cockpit windshield center-post to the forward fuselage. We are issuing this AD to detect failed bolts and correct the attaching parts of the lower eyelet fitting of the cockpit windshield center-post, which could lead to loss of structural integrity of the airplane. 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:**

Inspection and replacement of the attaching parts of the lower eyelet fitting of the cockpit windshields center post.

**COMPLIANCE:**

You are responsible for having the actions required by this AD performed within the compliance times specified, unless the actions have already been done.

**Repetitive Inspections and Corrective Actions**

(a) For Group 1 airplanes, as identified in Embraer ASB 145LEG-53-A032, revision 01, dated September 24, 2013, that have accumulated more than 3000 flight cycles after the incorporation of the original issue or revision 01 of Embraer Service Bulletin (SB) 145LEG-53-0021; and Group 2 airplanes, as identified in Embraer ASB 145LEG-53-A032, revision 01, dated September 24, 2013, that have accumulated more than 3000 flight cycles: Within 50 flight cycles after the effective date of this AD, do a detailed inspection (DET) to detect discrepancies on the attaching parts of the lower eyelet fitting of the cockpit windshield center-post, and if any discrepancy exists, repair before further flight; in accordance with the Accomplishment Instructions of Embraer ASB 145LEG-53-A032, revision 1, dated September 24, 2013. Repeat

the detailed inspection required by this paragraph thereafter at intervals not to exceed 50 flight cycles until the modification required by paragraphs (b) or (c) of this AD, as applicable, is done.

(b) For Group 1 airplanes, as identified in Embraer ASB 145LEG-53-A032, revision 1, dated September 24, 2013, that have incorporated the original issue or revision 01 of Embraer SB 145LEG-53-0021: Before the accumulation of 3000 flight cycles after the incorporation of the original issue or revision 01 of Embraer SB 145LEG-53-0021, or within 300 flight cycles after the effective date of this AD, whichever occurs later, do the modification of the attaching parts of the lower eyelet fitting of the cockpit windshield center-post, in accordance with Part II of the Accomplishment Instructions of Embraer ASB 145LEG-53-A032, revision 1, dated September 24, 2013.

(c) For Group 2 airplanes, as identified in Embraer ASB 145LEG-53-A032, revision 1, dated September 24, 2013: Before the accumulation of 3000 flight cycles, or within 300 flight cycles after the effective date of this AD, whichever occurs later, do the modification of the attaching parts of the lower eyelet fitting of the cockpit windshield center-post, in accordance with Part II of the Accomplishment Instructions of Embraer ASB 145LEG-53-A032, revision 1, dated September 24, 2013.

#### **Credit for previous actions**

(d) This paragraph provides credit for the actions specified in paragraphs (a) and (b) of this AD, if those actions were performed before the effective date of this AD, using Embraer S.A. ASB 145LEG-53-A032, original issue, dated September 20, 2013.

#### **Material Incorporated by Reference**

(e) You must use Embraer ASB 145LEG-53-A032, revision 1, dated September 24, 2013, or further revisions approved by the ANAC, to do the actions required by this AD, unless this AD specifies otherwise.

#### **Alternative methods of compliance (AMOCs)**

(f) A different method or a different compliance time, with the requirements of this AD, may be used if approved by the General Manager of the Aeronautical Product Certification Branch (Gerência-Geral de Certificação de Produtos Aeronáuticos – GGCP).

#### **CONTACT:**

For additional information, please contact the ANAC-GGCP, 12246-870 - São José dos Campos - SP, Brazil, telephone: 55 (12) 3797-2521, Fax: 55 (12) 3797-2330, e-mail: [pac@anac.gov.br](mailto:pac@anac.gov.br).

#### **APPROVAL:**

Signed by:

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).