



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRAZIL

BRAZILIAN EMERGENCY AIRWORTHINESS DIRECTIVE

EAD No.: 2013-10-01

Effective Date: 03 Oct. 2013

The following Brazilian Emergency Airworthiness Directive (EAD), 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.

EAD No. 2013-10-01 - EMBRAER / 39-1374.

APPLICABILITY: This Emergency Airworthiness Directive (EAD) applies to Embraer S.A. model EMB-145, -145ER, -145EU, -145EP, -145LR, -145MR, -145LU, -135ER, -135LR, -145MP, -145MK, -135KE, -135KL, and -145XR airplanes; as identified in Embraer S.A. Alert Service Bulletin (ASB) 145-53-A082, revision 1, dated September 26, 2013.

CANCELLATION / REVISION: Not applicable.

REASON: This EAD 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 EAD 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 EAD 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 EAD 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 145-53-A082, revision 1, dated September 26, 2013: Within the applicable compliance time specified in paragraph E(1)(a), "Compliance", of Embraer Alert Service Bulletin 145-53-A082, revision 1, dated September 26, 2013, after the effective date of this EAD, 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 145-53-A082, revision 1, dated September 26, 2013. Repeat the detailed inspection required by this paragraph thereafter at intervals not to exceed 500 flight cycles until the accomplishment of the requirements of paragraph (c) of this EAD.

(b) For Group 2 airplanes, as identified in Embraer ASB 145-53-A082, revision 1, dated September 26, 2013, that have incorporated the initial issuance or the revision 1 of Embraer Service Bulletin (SB) 145-53-0058: Within the applicable compliance time specified in paragraph E(1)(b), "Compliance", of Embraer Alert Service Bulletin 145-53-A082, revision 1,

dated September 26, 2013, after the effective date of this EAD, 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 145-53-A082, revision 1, dated September 26, 2013. Repeat the detailed inspection required by this paragraph thereafter at intervals not to exceed 500 flight cycles until the accomplishment of the requirements of paragraph (c) of this EAD.

(c) For Group 1 airplanes, and Group 2 airplanes that have incorporated the initial issuance or the revision 1 of Embraer SB 145-53-0058, as identified in Embraer ASB 145-53-A082, revision 01, dated September 26, 2013: Within 6000 flight cycles after the effective date of this EAD, do the modification of the attaching parts of the lower eyelet fitting of the cockpit windshield center-post as described in Part II of the Accomplishment Instructions of Embraer ASB 145-53-A082, revision 01, dated September 26, 2013.

Credit for previous actions

(d) This paragraph provides credit for the actions specified in paragraphs (a), (b) and (c) of this EAD, if those actions were performed before the effective date of this EAD, using Embraer S.A. ASB 145-53-A082, original issue, dated July 22, 2013.

Material Incorporated by Reference

(e) The Embraer ASB 145-53-A082, revision 1, dated September 26, 2013, or further revisions approved by the ANAC, must be used to do the actions required by this EAD, unless this EAD specifies otherwise.

Alternative methods of compliance (AMOCs)

(f) A different method or a different compliance time, with the requirements of this EAD, 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.

APPROVAL: Original in Portuguese language available in the files of the Aeronautical Products Certification Branch (GGCP) of the National Civil Aviation Agency (ANAC). Signed by:

HÉLIO TARQUINIO JÚNIOR
General Manager
GGCP

DINO ISHIKURA
Airworthiness Superintendent
ANAC