



REPÚBLICA FEDERATIVA DO BRASIL  
AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – ANAC

**BRAZILIAN AIRWORTHINESS DIRECTIVE**

**AD No.: 2006-12-01**

**Effective Date: 04 Jan. 2007**

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 de Homologação Aeronáutica (RBHA) 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. 2006-12-01 - EMBRAER - Amendment 39-1162.**

**APPLICABILITY:**

This Airworthiness Directive is applicable to Embraer EMB-145XR aircraft model of serial numbers 145590, 145643, 145645, 145646, 145649, 145650, 145654, 145655, 145657 thru 145660, 145662, 145664, 145666, 145672, 145674, 145675, 145677, 145681, 145683, 145684, 145688 thru 145690, 145693, 145697, 145700, 145703 thru 145705, 145708, 145712, 145714, 145718, 145719, 145721, 145727, 145731 thru 145733, 145735, 145739, 145741, 145745, 145746, 145749, 145751, 145753, 145756, 145758, 145759, 145761, 145772, 145782, 145786, 145787, 145791, 145792, 145799, 14500805, 14500808, 14500811, 14500817, 14500819, 14500831 and 14500834.

**CANCELLATION / REVISION:**

Not applicable.

**REASON:**

It has been found that the refueling line inside the ventral fuel tank on the Embraer EMB-145XR aircraft model is not protected in accordance with SFAR-88 requirements.

Since this condition 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 a bonding jumper between the pilot valve line tube and the pressure refueling system tube.

**COMPLIANCE:**

Required as indicated below, unless already accomplished.

Within the next 10000 flight hours for aircraft with less than 5000 flight hours, or within the next 5000 flight hours for aircraft with more than 5000 flight hours, after the effective date of this AD, install a bonding jumper between the pilot valve line tube and the pressure refueling system tube, after removing ventral fuel tank access panel 196FR, as described in the Embraer Service Bulletin No. 145-28-0026, original issue, or further revisions approved by the ANAC.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletin No. 145-28-0026, 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:

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**APPROVAL:**

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**NOTE:** Original in Portuguese language signed and available in the files of the Aeronautical Products Certification Branch (GGCP) of the National Agency of Civil Aviation (ANAC).