



## AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRAZIL

### BRAZILIAN AIRWORTHINESS DIRECTIVE

**AD No.: 2007-02-03**

**Effective Date: 15 Mar. 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. 2007-02-03 - EMBRAER - Amendment 39-1174.**

#### **APPLICABILITY:**

This Airworthiness Directive is applicable to Embraer EMB-135BJ and EMB-145XR aircraft models in operation.

#### **CANCELLATION / REVISION:**

Not applicable.

#### **REASON:**

It has been found that in case of fuel leakage inside the conduit used to route the clear ice detector wiring through the wing fuel tank, it is possible to have fuel accumulation inside the conduit due to application of wiring protection sealant in the conduit end. The absence of fuel leakage detectability into the clear ice detector wiring conduit, associated with an ignition source, could result in fire or explosion inside the tank.

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:**

Removal of sealant applied at the end of the left hand (LH) and right hand (RH) clear ice detector wiring conduit.

#### **COMPLIANCE:**

Required as indicated below, unless already accomplished.

Within the next 5000 flight hours or 4 calendar years after the effective date of this AD, whichever occurs first, remove the sealant used to protect the LH and RH clear ice detectors wiring conduits at the holes through the wing spars.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletins Nos. 145-30-0048 original issue, or 145LEG-30-0015 original issue, or further revisions approved by the ANAC.

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

#### **CONTACT:**

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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 Civil Aviation Agency (ANAC).