



REPÚBLICA FEDERATIVA DO BRASIL
AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – ANAC

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2006-06-02

Effective Date: 28 Jun. 2006

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. 2006-06-02 - EMBRAER - Amendment 39-1142.

APPLICABILITY:

This Airworthiness Directive is applicable to all Embraer EMB-145() and EMB-135() aircraft models in operation.

CANCELLATION / REVISION:

Not applicable.

REASON:

It has been found the possibility of occurrence of sparks due to internal contact between the wires of the vent and pilot valves of the pressure refueling system inside the wing fuel tanks and the metallic tubes that enclose them, which may lead to a possible ignition source in the vicinity of the fuel tanks.

Since this condition may occur in other airplanes of the same type 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:

Replacement of the metallic tubes for vent and pilot valves wires on the wing fuel tanks.

COMPLIANCE:

Required as indicated below, unless already accomplished.

Within the next 5000 flight hours or 4 calendar years, whichever occurs first, after the effective date of this AD, replace the metallic tubes enclosing the vent and pilot valve wires in the RH and LH wing fuel tanks with non-conductive hoses (Teflon), bearing P/Ns AE717816-03, AE717816-04 or AE717816-05, as applicable.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletins Nos. 145-28-0023 Rev. 04, or 145LEG-28-0018 Rev. 01, 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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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).