



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRAZIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2007-04-02R1

Effective Date: 21 Dec. 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. 2007-04-02R1 - EMBRAER - Amendment 39-1222.

APPLICABILITY:

This Airworthiness Directive is applicable to all Embraer ERJ-190 aircraft models in operation.

CANCELLATION / REVISION:

This AD cancels and supersedes the AD No. 2007-04-02 original issue – Amdt 39-1181, dated 10 May 2007, and is being issued to reduce the accomplishment time and to correct the affected part numbers (P/N).

REASON:

A few hydraulic system tube clamps located inside the wing fuel tanks were found damaged. Further analysis has shown that damage to multiple clamps may cause sparks inside the tanks, which in turn may lead to ignition of flammable vapors inside the fuel tanks.

Since this condition may exist in other aircraft 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 hydraulic system tubes attachment clamps, located inside the wing fuel tanks, by other ones with a new P/N.

COMPLIANCE:

Required as indicated below, unless already accomplished.

Within the next 8000 flight hours after 10 May 2007, the effective date of the original issue of this AD, replace clamps P/N PE27019RF4E and PE27019RF6E which attach the hydraulic tubes inside the wing fuel tanks by new ones bearing P/N PE27019FS4E and PE27019FS6E, respectively.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletin No. 190-29-0003 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).