



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRAZIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2007-02-01R1

Effective Date: 27 Aug. 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. 2007-02-01R1 - EMBRAER - Amendment 39-1196.

APPLICABILITY:

This Airworthiness Directive is applicable to all Embraer ERJ-170() aircraft models in operation, equipped with firewall hydraulic shutoff valves part numbers (P/N) 975287-3 or 975287-5.

CANCELLATION / REVISION:

This AD cancels and supersedes the AD No. 2007-02-01 – Amdt 39-1171, dated 27 Feb. 2007, and is being issued to include the hydraulic shutoff valve P/N 975287-5 in the Applicability.

REASON:

Periodic operational check of the firewall hydraulic shutoff valves, made during routine maintenance, has revealed that the failure rate of that component is significantly higher than expected. Such a dormant failure, when combined with further possible failures, such as engine fire, may lead to an unacceptable reduction of safety margins.

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:

Additional operational check of the firewall hydraulic shutoff valves.

COMPLIANCE:

Required as indicated below, unless already accomplished.

Within the next 600 flight hours after 27 Feb. 2007, the effective date of the original issue of this AD, and thereafter at intervals that do not exceed 600 flight hours, perform an operational check for proper operation of the firewall hydraulic shutoff valves P/Ns 975287-3 or 975287-5, in accordance with Embraer Service Bulletin No. 170-29-0013 original issue, or further revisions approved by the ANAC. If necessary, replace the faulty hydraulic shutoff valve with another one bearing P/Ns 975287-3 or 975287-5.

NOTE 1: For the purpose of this AD, an operational check is: “A task to determine that an item is fulfilling its intended purpose. The check does not require quantitative tolerances. This is a failure finding task.”

NOTE 2: The above procedures are considered an interim solution until a final action is identified, at which time the ANAC may consider the issuance of a further rulemaking.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletin No. 170-29-0013 original issue, or further revisions approved by the ANAC.

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

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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).