



**AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRAZIL**

**BRAZILIAN AIRWORTHINESS DIRECTIVE**

**AD No.: 2007-02-01R2**

**Effective Date: 17 Jul. 2009**

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. 2007-02-01R2 – EMBRAER - Amendment 39-1278.**

**APPLICABILITY:**

This Airworthiness Directive (AD) applies to all Embraer ERJ 170 airplane models equipped with firewall hydraulic shutoff valve (FWSOV) part number (P/N) 975287-3 or 975287-5.

**CANCELLATION / REVISION:**

This AD cancels and supersedes the AD No. 2007-02-01R1 – Amdt 39-1196, dated 27 Aug. 2007, and is being issued to remove the requirement to install the same FWSOV P/N in case of failure.

**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 FWSOV P/N 975287-3 or 975287-5, in accordance with Embraer Service Bulletin (SB) No. 170-29-0013 original issue, or further revisions approved by the ANAC. In case any FWSOV fails the operational check replace the faulty valve by another suitable FWSOV before the next flight.

**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:** For the purpose of this AD, a suitable FWSOV is a firewall hydraulic shutoff valve P/N 975287-3 or 975287-5 that has passed the operational check described in Embraer SB No. 170-29-0013 or either the replacement of these valves by others bearing a new P/N.

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.

**CONTACT:**

For additional technical information, contact:

National Civil Aviation Agency (ANAC)

Aeronautical Products Certification Branch (GGCP)

Av. Cassiano Ricardo, 521, Bloco B, 2º andar, Parque Residencial Aquarius

Fax: 55 (12) 3797-2330

12246-870 – São José dos Campos - SP, BRAZIL.

E-mail: pac@anac.gov.br

**APPROVAL:**

ADEMIR ANTÔNIO DA SILVA  
General Manager  
GGCP

DINO ISHIKURA  
Airworthiness Superintendent  
ANAC

**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).