



## AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRAZIL

### BRAZILIAN AIRWORTHINESS DIRECTIVE

**AD No.: 2010-08-01**

**Effective Date: 03 Sep. 2010**

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. 2010-08-01 - (EMBRAER) - Amendment 39-1312.**

#### **APPLICABILITY:**

This Airworthiness Directive is applicable to Embraer aircraft model EMB-500 of serial numbers 50000005 thru 50000118, 50000120, 50000122 thru 50000126, 50000128, and 50000131.

**NOTE:** Aircraft of serial numbers 50000119, 50000121, 50000127, 50000129, 50000130, 50000132 and on have an equivalent modification factory-incorporated.

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

Not applicable.

#### **REASON:**

It has been found the occurrences of failure of the Flow Control Shutoff Valve (FCSOV) in the closed position. Failure of the two valves (left and right) can cause the loss of the pneumatic source, and lead to loss of the cabin pressurization.

Since this condition affects flight safety, a corrective action is required. Thus, sufficient reason exists to request compliance with this AD.

#### **REQUIRED ACTION:**

Replace the FCSOV of PN 1300230-13 and PN 1300230-23 with new improved ones PN 1300230-15 and PN 1300230-25, respectively.

#### **COMPLIANCE:**

Required as indicated below, unless already accomplished.

On the next scheduled maintenance check of 12 months or 600 flight hours, whichever occurs first, after the effective date of this AD, replace both Flow Control Shutoff Valves PN 1300230-13 and PN 1300230-23 with new improved ones PN 1300230-15 and PN 1300230-25, respectively.

The detailed instructions and procedures to accomplish this AD are described in the EMBRAER Service Bulletin No. 500-21-0001, original issue, or further revisions approved by 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:**

HÉLIO TARQUINIO JUNIOR  
Acting 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).