



REPÚBLICA FEDERATIVA DO BRASIL
AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – ANAC

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2006-06-03

Effective Date: 07 Jul. 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. 2006-06-03 - EMBRAER - Amendment 39-1143.

APPLICABILITY:

This Airworthiness Directive is applicable to Embraer ERJ-170() aircraft in operation, of serial numbers 17000007, 17000033, 17000034, 17000036 thru 17000046, and 17000050 thru 17000067.

CANCELLATION / REVISION:

Not applicable.

REASON:

It has been found one failure of an electrical bonding cable fitting clamp of the fuel system lines. Further investigation has identified that a batch of such clamps was manufactured with incorrect material and was installed in several aircraft, which, therefore, are prone to the loss of bonding protection in the interior of the fuel tanks or in the adjacent areas.

Since this condition exists 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:

Replace the electrical bonding clamps inside the fuel tank and adjacencies.

COMPLIANCE:

Required as indicated below, unless already accomplished.

Within the next 5000 flight hours after the effective date of this AD:

- (a) Replace the electrical bonding clamps P/Ns AN735D6 and AN735D4 and their attaching parts with others bearing the same corresponding P/N; and
- (b) After making the electrical bonding at the new clamps and their attaching parts, do the electrical bonding test for the reconnected strap according to the Airplane Maintenance Manual, task No. 20-13-21-720-801-A/200 - "Electrical Bonding Test - Standard Procedures".

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletin No. 170-28-0009, 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 Agency of Civil Aviation (ANAC)
Aeronautical Products Certification Branch (GGCP)
Praça Mal. Eduardo Gomes, N^o 50, Vila das Acácias (Prédio do CTA-IFI)
Fax: 55 (12) 3941-4766
12228-901 – São José dos Campos - SP, BRAZIL
E-mail: pds@ifi.cta.br

For acquisition, contact:

National Agency of Civil Aviation (ANAC)
Publications Branch
R. Santa Luzia, 651, 2º Mezanino, Centro
Fax: 55 (21) 3814-6929
20030-040 – Rio de Janeiro - RJ, BRAZIL.
e-mail: publicacoes@anac.gov.br

APPROVAL:

CLÁUDIO PASSOS SIMÃO
General Manager
GGCP

MILTON ZUANAZZI
Director-President
ANAC

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).