



REPÚBLICA FEDERATIVA DO BRASIL
AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – ANAC

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2006-09-05

Effective Date: 18 Oct. 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. 2006-09-05 - EMBRAER - Amendment 39-1155.

APPLICABILITY:

This Airworthiness Directive is applicable to Embraer EMB-135BJ aircraft model in operation, of serial numbers 145484, 145540, 145555, 145706 and 145711.

CANCELLATION / REVISION:

Not applicable.

REASON:

It has been found that both fuel level control units (LCU) and their associated harnesses throughout the aircraft does not comply with the requirements of proper segregation, in order to preclude a possible ignition source in the vicinity of the fuel tanks, as required by SFAR 88 regulations.

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:

Replacement of the fuel level control units (LCU 1 and LCU 2); rework of the LCU 1 and LCU 2 supports; and segregation, replacement and rework of some harnesses.

COMPLIANCE:

Required as indicated below, unless already accomplished.

Within the next 4 calendar years or 5000 flight hours after the effective date of this AD, whichever occurs first, replace the Level Control Unit (LCU 1 and LCU 2) by new ones bearing P/N 367-340-001, rework the LCU 1 and LCU 2 supports, rework and segregate electrical harnesses W102S and W102P, replace harnesses W164 and W221 and route electrical harnesses W1614 and W1620, segregating W1614, according the detailed instructions and procedures described in Embraer Service Bulletin No. 145LEG-28-0020, original issue, or further revisions approved by the ANAC.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletin No. 145LEG-28-0020, 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).