



AIRWORTHINESS DIRECTIVE

CIVIL AVIATION AUTHORITY
CZECH REPUBLIC
Airworthiness Division

Airport Ruzyně, 160 08 Prague 6
Tel: 420 233320922, fax: 420 220562270

Number: CAA-AD-069/2004

Date of issue: July 16, 2004

**EMBRAER
EMB-145()**

This AD has been issued in accordance with Decision No.: 2/2003 of the Executive Director of the EASA (ADs issued by the state of design are automatically adopted in EU member states).

AIRCRAFT - FUEL SYSTEM - INSPECTION/MODIFICATION

Applicability: Embraer EMB-145() aircraft of serial numbers 145122, 145140, 145263, 145365 and 145392, which have incorporated the Brazilian STC 2002S06-09 or 2002S06-10.

Effective date: September 02, 2004

Compliance: Required as indicated DAC AD 2003-06-01R1.

Remarks: The compliance of this AD must be recorded in Aircraft Logbook, where applicable the requirements of this AD must be integrated into Aircraft Technical Documentation. Address inquiries concerning this AD to: Civil Aviation Authority, Airworthiness Division, Ruzyně Airport, 160 08 Prague 6, Czech Republic, tel.: 420 2 33320922, fax: 420 2 20562270.

Ing. Pavel MATOUŠEK
Director

BRAZILIAN AIRWORTHINESS DIRECTIVE
AD No.: 2003-06-01R1

EFFECTIVE DATE: 28 jul. 2004

The following Airworthiness Directive (AD), issued by the Departamento de Aviação Civil (DAC) 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. 2003-06-01R1 - EMBRAER - Amendment 39-1036.

APPLICABILITY:

This Airworthiness Directive is applicable to Embraer EMB-145() aircraft of serial numbers 145122, 145140, 145263, 145365 and 145392, which have incorporated the Brazilian STC 2002S06-09 or 2002S06-10.

CANCELLATION / REVISION:

This AD cancels and supersedes the EAD No. 2003-06-01, original issue – Amdt 39-995, dated 03 Jun. 2003, and is being issued to include a final action for the inspections required by the EAD.

REASON:

It has been found the occurrence of fuel leakage and tank deformation during a pressure refueling operation. Since this condition may occur in other airplanes of the same type and affects flight safety, an immediate corrective action is required.

Thus, sufficient reason exists to request compliance with this EAD in the indicated time limit without prior notice.

REQUIRED ACTION:

Inspection of the fuel system; prohibition of fuel pressure refueling; and modification of the system.

COMPLIANCE:

Required as indicated below, unless already accomplished.

(a) Before next flight after receiving the original issue of this AD, inspect the aircraft fuel system components, including the fuselage tanks, for leakage and structural damage to the tanks. If any leakage or structural damage is verified, consult Embraer to get repair instructions before returning aircraft to flight operations.

(b) After the inspection above described, return the aircraft to flight operations, but using only gravity refueling for the fuselage tanks.

(c) Install at a place next to the refueling panel a placard with the following reading:

"NÃO ABASTEÇA OS TANQUES DA FUSELAGEM SOB PRESSÃO"
"DO NOT PRESSURE-REFUEL THE FUSELAGE TANKS"

(d) The modification of the fuel pressure relief system, according to Embraer Service Bulletin No. 145SIV-28-0003, original issue, or further revisions approved by the CTA, constitutes a final action for this AD and allows pressure refueling of the fuselage fuel tanks again.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Alert Service Bulletin No. 145-28-A003, original issue, and Embraer Service Bulletin No. 145SIV-28-003, original issue, or further revisions approved by the CTA.

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

CONTACT:

For additional technical information, contact:

Centro Técnico Aeroespacial - CTA
Instituto de Fomento e Coordenação Industrial - IFI
Divisão de Homologação Aeronáutica - FDH
Praça Mal. Eduardo Gomes, 50 - Vila das Acácias
Caixa Postal 6001
Fax: 55 (12) 3941-4766
12231-970 - São José dos Campos - SP, BRAZIL.
e-mail: pds@ifi.cta.br

For acquisition, contact:

Departamento de Aviação Civil - DAC
Seção de Publicações do DAC (4GAB-4)
R. Santa Luzia, 651, 2º Mezanino, Centro
Fax: 55 (21) 3814-6929
20030-040 - Rio de Janeiro - RJ, BRAZIL.
e-mail: publicacoes@dac.gov.br

APPROVAL:

CLÁUDIO PASSOS SIMÃO - Ten.-Cel.-Eng.
Chief of the Aeronautical Certification Division
IFI/CTA

VENÂNCIO ALVARENGA GOMES - Cel.-Eng.
Director of the Industrial Coordination and Fostering Institute
CTA

NOTE: Original in Portuguese language signed and available in the files of the Registro Geral de Aeronavegabilidade (RGA/TE-1/STE) of the Departamento de Aviação Civil.