



SERVIÇO PÚBLICO FEDERAL

DEPARTAMENTO DE AVIAÇÃO CIVIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

EFFECTIVE DATE

18 August 2003

AD No.:

2003-07-02

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. 2003-07-02 - EMBRAER - Amendment 39-999.

APPLICABILITY:

This Airworthiness Directive is applicable to aircraft EMB-145 () and EMB-135 () serial numbers 145462, 145484, 145495, 145505, 145528, 145540, 145549, 145555, 145590, 145625, 145637, 145642 thru 145646, 145649, 145650, 145654, 145655, 145657 thru 145660, 145662, 145664, 145666, 145672, 145674, 145675, 145677, 145681, 145683, 145684, 145688 thru 145690, 145693 and 145697.

CANCELLATION / REVISION:

Not applicable.

REASON:

It has been found the occurrence of cracks at the aircraft APU firewall which degrades the insulation required for that aircraft compartment.

Since this condition may occur in other airplanes of the same type 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:

Inspection of the APU firewall and its replacement with one bearing a new P/N.

COMPLIANCE:

Required as indicated below, unless already accomplished.

- (a) Within 200 flight operating hours or 90 calendar days after the effective date of this AD, whichever comes first, execute a detailed visual inspection of the APU firewall for cracks and structural integrity. Repair before next flight any crack found, according to limits and instructions of the applicable Structural Repair Manual (SRM), or replace the firewall with one bearing a new P/N, according to item (b) below;
- (b) Repeat the inspection of item (a) above at intervals no longer than 200 flight operation hours or 90 calendar days, whichever comes first, until the replacement of the firewall P/N 145-47494-401 with one bearing P/N 145-47494-607, according to Part II of Embraer Service Bulletins No. 145-53-0037, original issue, or 145LEG-53-0010, original issue, or further revisions approved by the CTA.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletins No. 145-53-0037, original issue, or 145LEG-53-0010, 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 (3OP-3)
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 - Maj.-Eng.
Chefe da Divisão de Homologação Aeronáutica
IFI/CTA

VENÂNCIO ALVARENGA GOMES - Cel.-Eng.
Diretor do Instituto de Fomento e Coordenação Industrial
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.