



SERVIÇO PÚBLICO FEDERAL
DEPARTAMENTO DE AVIAÇÃO CIVIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

EFFECTIVE DATE:

06 February 2003

AD No.:

2003-01-01

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. 2003-01-01 - EMBRAER - Amendment 39-977.

APPLICABILITY:

This Airworthiness Directive is applicable to Embraer EMB-120() aircraft of serial numbers 120003, 120004 and 120006 thru 120359.

CANCELLATION / REVISION:

Not applicable.

REASON:

It has been found the occurrence of momentary loss of normal braking system at low taxiing speeds (below 25 knots) leading, in two cases, to minor collisions against vehicles or obstacles.

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 and replacement of the main gear wheel hubcap anti-skid drive coupling clips.

COMPLIANCE:

Required as indicated below, unless already accomplished.

- (a) Within the next 400 flight operating hours or 6 calendar months after the effective date of this AD, whichever occurs first, visually inspect the main gear wheel hubcap anti-skid drive coupling clips for cracks, evident damage, distortion or broken-off pieces, and perform a complete clip dimensional verification including gap and height. Adjust the clip dimensions, if necessary and possible, or replace the damaged clips with clips bearing P/N "rev D" or further revisions.
- (b) Within the next 800 operation hours or 12 calendar months after the effective date of this AD, whichever occurs first, replace, regardless of its condition, all main gear wheel hubcap anti-skid drive coupling clips that have P/N "pre-rev D" by other with P/N "rev D" or further revisions.
- (c) No later than 30 Mar. 2003 include on the main gear wheel installation procedure a mandatory visual inspection of the main wheel hubcap anti-skid drive coupling clips for cracks, evident damage, distortion or broken-off pieces, and a complete clip dimensional verification including gap and height, adjusting the clip dimensions, if necessary and possible, or replacing the damaged clips with clips bearing P/N "rev D" or further revisions.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletin No. 120-32-0088, 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

JOSÉ CARLOS ARGOLO - Cel.-Av.
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.