



SERVIÇO PÚBLICO FEDERAL
DEPARTAMENTO DE AVIAÇÃO CIVIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

EFFECTIVE DATE

27 May 2002

AD No.:

2001-12-04R2

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. 2001-12-04R2 - EMBRAER - Amendment 39-948.

APPLICABILITY:

This Airworthiness Directive is applicable to all Embraer EMB-145() and EMB-135() aircraft models in operation, equipped with a Horizontal Stabilizer Control Unit (HSCU) with P/N 362100-1007 mod. 1, 362100-1009 mod. 0 or 362100-5009 mod. 0, with S/N higher than 4000, including the S/N identified with an "A" suffix, installed to accomplish the requirements of the Brazilian EAD 2001-12-04.

CANCELLATION / REVISION:

This AD cancels and supersedes the AD No. 2001-12-04R1 - Amdt 39-939, dated 11 Mar. 2002, and is being issued to remove HSCU P/N 362100-1007 mod. 0 from Applicability.

REASON:

It has been found the occurrence of inverted horizontal stabilizer deflection in response to "nose down" pitch trim command shortly after liftoff.

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:

Replacement of the HSCU with a unit bearing an upgraded Part Number.

COMPLIANCE:

Required as indicated below, unless already accomplished.

Before 15 June 2002, replace any installed HSCU, which P/N is 362100-1007 mod. 1, 362100-1009 mod. 0 or 362100-5009 mod. 0, bearing a S/N above 4000 (including the S/N identified with an "A" suffix, installed to accomplish the requirements of the Brazilian EAD 2001-12-04), with an HSCU P/N 362100-1007 mod. 0 or mod. 2, 362100-1009 mod. 1, or 362100-5009 mod. 1. The unit to be installed shall be in accordance with the configuration of each aircraft, according to the table included in the Service Bulletin referenced below.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletin No. 145-27-0092 Rev. 01, 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.

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.

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.