



SERVIÇO PÚBLICO FEDERAL

DEPARTAMENTO DE AVIAÇÃO CIVIL

# BRAZILIAN AIRWORTHINESS DIRECTIVE

EFFECTIVE DATE

28 Nov. 2004

AD No.:

2004-11-01

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. 2004-11-01 - EMBRAER - Amendment 39-1050.**

### **APPLICABILITY:**

This Airworthiness Directive is applicable to all Embraer EMB-145() and EMB-135() aircraft models in operation.

### **CANCELLATION / REVISION:**

Not applicable.

### **REASON:**

It has been found the occurrence of cases of loss of the pitch trim system due to a simultaneous failure of both channels of the horizontal stabilizer control unit (HSCU), which results in difficulty to control the aircraft when the failure occurs immediately after take-off.

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 horizontal stabilizer control unit (HSCU) with one bearing a new P/N.

### **COMPLIANCE:**

Required as indicated below, unless already accomplished.

Within the next 18 calendar months or 4000 flight hours after the effective date of this AD, whichever occurs first, replace the horizontal stabilizer control units (HSCU) P/N 362100-5009 Mod. 2 or P/N 362100-1011 with units bearing P/N 362100-1013.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletins Nos. 145-27-0106, original issue, or 145LEG-27-0016, 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:

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**APPROVAL:**

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**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.