



REPÚBLICA FEDERATIVA DO BRASIL  
AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – ANAC

**BRAZILIAN AIRWORTHINESS DIRECTIVE**

**AD No.: 2006-07-01**

**Effective Date: 31 July 2006**

The following Brazilian Airworthiness Directive (AD), issued by the Agência Nacional de Aviação Civil (ANAC) 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. 2006-07-01 - EMBRAER - Amendment 39-1146.**

**APPLICABILITY:**

This Airworthiness Directive is applicable to Embraer aircraft of models EMB-145(), and EMB-135BJ of serial numbers 145104, 145122, 145263, 145365, 145363, 145374, 145392, 145412, 145462, 145484, 145495, 145505, 145516, 145528, 145540, 145549, 145555, 145586, 145591, 145625, 145637, 145642, 145644, 145671, 145678, 145686, 145699, 145706, 145711, 145717, 145729, 145730, 145757, 145770, 145775, 145780, 145789, 145796, 145802 and 145809.

**CANCELLATION / REVISION:**

Not applicable.

**REASON:**

It has been found the occurrence of cable guard pins not installed in the aileron control system, which may lead to jamming of the aileron control cables, reducing the aircraft controllability.

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 installation, if necessary, of the cable guard pins in the aileron control system.

**COMPLIANCE:**

Required as indicated below, unless already accomplished.

Within the next 270 calendar days after the effective date of this AD, carry out a special detailed inspection (SDI) with the aid of a borescope for possible absence of the cable guard pins in the aileron control system inside the wings.

- (a) If any cable guard pin P/N NAS427K8, NAS427K28 or NAS427K36 is missing in the internal part of the left and right halfwing spar boxes, install a new one bearing the same P/N.
- (b) If any cable guard pin P/N NAS427K26 is missing in the aileron control cable pulleys in the internal part of the wing leading edge III, remove the corresponding leading edge and install a new cable guard pin bearing the same P/N.

**NOTA:** For the purpose of this AD, a special detailed inspection (SDI) is: "An intensive examination of a specific item, installation, or assembly to detect damage, failure, irregularity. The examination is likely to make extensive use of specialized inspection techniques and/or equipment. Intricate cleaning and substantial access or disassembly procedure may be required."

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletins Nos. 145LEG-27-0023, original issue, 145SIV-27-0001, original issue, or 145HAF-27-0001, original issue, or further revisions approved by the ANAC.

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

**CONTACT:**

For additional technical information, contact:

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**NOTE:** Original in Portuguese language signed and available in the files of the Aeronautical Products Certification Branch (GGCP) of the National Agency of Civil Aviation (ANAC).