



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRAZIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2009-01-01

Effective Date: 08 Jan. 2009

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. 2009-01-01 - EMBRAER - Amendment 39-1253.

APPLICABILITY:

This Airworthiness Directive is applicable to Embraer EMB-135BJ, EMB-135ER, EMB-135KE, EMB-135KL, EMB-135LR, EMB-145, EMB-145EP, EMB-145ER, EMB-145EU, EMB-145LR, EMB-145LU, EMB-145MK, EMB-145MP, EMB-145MR, EMB-145XR and EMB-145LR modified according to Brazilian Supplemental Type Certificates (STC) 2002S06-09, 2002S06-10 or 2003S08-01 airplane models and equipped with Landing Gear Electronic Unit (LGEU) part number (P/N) 355-022-002.

CANCELLATION / REVISION:

Not applicable.

REASON:

It was reported that after commanding the landing gear lever to down the three green landing gear positioning indication was displayed followed by the LG/LEVER DISAGREE EICAS message. The crew decided to continue the approach and landing procedure. As soon as the crew identified that the landing gear was not extended properly, a go-around procedure was successfully performed. During maneuver, the airplane settled momentarily onto the flaps and belly.

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 Landing Gear Electronic Unit (LGEU) by new one bearing a new part number (P/N).

COMPLIANCE:

Required as indicated below, unless already accomplished.

PART I - Within the next 12 months after the effective date of this AD, replace any landing gear electronic unit P/N 355-022-002 bearing serial number (S/N) from 1000 to 1999 by one bearing P/N 355-022-003, according to the detailed instructions and procedures described in the Embraer Service Bulletins No. 145-32-0120 original issue or No. 145LEG-32-0032 original issue, as applicable, or further respective revisions approved by the ANAC.

PART II - Within the next 30 months after the effective date of this AD, replace any landing gear electronic unit P/N 355-022-002 bearing any S/N not included in Part I of this AD by one bearing P/N 355-022-003, according to the detailed instructions and procedures described in the Embraer Service Bulletins No. 145-32-0120 original issue or No. 145LEG-32-0032 original issue, as applicable, or further respective revisions approved by the ANAC.

NOTE: After 30 months from the effective date of this AD it is forbidden to install any landing gear electronic unit with P/N 355-022-002.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletins No. 145-32-0120 original issue or No. 145LEG-32-0032 original issue, or further respective revisions approved by the ANAC.

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

CONTACT:

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APPROVAL:

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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 Civil Aviation Agency (ANAC).