



SERVIÇO PÚBLICO FEDERAL
DEPARTAMENTO DE AVIAÇÃO CIVIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

EFFECTIVE DATE

01 Jun. 2004

AD No.:

2004-01-05R1

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. 2004-01-05R1 - EMBRAER - Amendment 39-1022.

APPLICABILITY:

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

CANCELLATION / REVISION:

This AD cancels and supersedes the AD No. 2004-01-05 – Amdt 39-1010, dated 05 Feb. 2004, and is being issued to include new P/N's affected by the AD.

REASON:

It has been found the occurrence of situations where a lightning strike at the fuselage has resulted in simultaneous malfunctioning of several electrical/electronic equipment due to a deficient bonding of the tail boom strobe light electrical harness.

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 tail boom strobe light electrical harness with another bearing a new P/N.

COMPLIANCE:

Required as indicated below, unless already accomplished.

Within the next 5000 flight hours or 30 calendar months after 05 Feb. 2004, the effective date of the original issue of this AD, whichever occurs first, replace the tail boom strobe light electrical harness P/N 145-26428-501, 145-38447-401 or 145-38447-403 by another, bearing a new P/N, with a built-in metallic overbraid.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletins Nos. 145-33-0032, original issue, and 145LEG-33-0004, 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.