



SERVIÇO PÚBLICO FEDERAL

DEPARTAMENTO DE AVIAÇÃO CIVIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

EFFECTIVE DATE

05 Jan. 2005

AD No.:

2002-10-03R2

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. 2002-10-03R2 - EMBRAER - Amendment 39-1065.

APPLICABILITY:

This Airworthiness Directive is applicable to Embraer EMB-145() and EMB-135() aircraft models of serial numbers 145002 thru 145103, 145105 thru 145121, 145123 thru 145139, 145141 thru 145153, 145155 thru 145189, 145191 thru 145256, 145258 thru 145262, 145264 thru 145362, 145364, 145366 thru 145391, 145393 thru 145411, 145413 thru 145424, and 145426 thru 145431.

CANCELLATION / REVISION:

This AD cancels and supersedes the AD No. 2002-10-03R1 - Amdt 39-997, dated 18 Aug. 2003, and is being issued to include aircraft serial number 145002 on Applicability Section.

REASON:

It has been found the occurrence of events of oxidation at the connections of the FADEC interface resistor modules due to contamination caused by water originated from the storm window, causing a non-commanded engine power back to idle in flight.

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 cleaning of the FADEC interface resistor modules.

COMPLIANCE:

Required as indicated below, unless already accomplished.

Within 400 flight hours after 28 Oct. 2002, the effective date of the original issue of this AD, inspect the FADEC interface resistors modules contacts for oxidation and contamination; if necessary, clean the contacts or replace the modules, as applicable.

Before returning aircraft to operation, make sure that the procedures of the AD No. 2001-05-01R1 - Amdt 39-932, or further revisions, have been accomplished, in order to avoid the reoccurrence of the oxidation.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletin No. 145-76-0003, 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.