



SERVIÇO PÚBLICO FEDERAL
DEPARTAMENTO DE AVIAÇÃO CIVIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

EFFECTIVE DATE:

12 March 2003

AD No.:

2003-01-02R1

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. 2003-01-02R1 - EMBRAER - Amendment 39-983.

APPLICABILITY:

This Airworthiness Directive is applicable to the Embraer EMB-145() and EMB-135() aircraft models in operation, of serial numbers 145003 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 145373, 145375, 145377 thru 145391, 145393 thru 145411, 145413 thru 145430, 145432 thru 145446, 145448 thru 145450, 145452 thru 145461, 145463 thru 145483, 145485 thru 145504, 145506 thru 145508, 145510 thru 145515, 145517 thru 145523, 145525 thru 145527, 145529 thru 145539, 145541 thru 145548, 145550, 145552 thru 145554, and 145556 thru 145585.

CANCELLATION / REVISION:

This AD cancels and supersedes the AD No. 2003-01-02, original issue – Amdt 39-979, dated 10 Feb. 2003, and is being issued to remove the aircraft serial number 145551 from the Applicability.

REASON:

It has been found the occurrence of degradation in the performance of VOR/ILS/MB system due to moisture and dirt in the electrical connectors and in the interface between the base and the support of glide slope antenna.

Since this condition may occur in other aircraft 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:

Installation of a gasket in the glide slope antenna and protection of the electrical connectors.

COMPLIANCE:

Required as indicated below, unless already accomplished.

Within 500 flight operating hours after 10 Feb. 2003, the effective date of the original issue of this AD, remove the glide slope antenna and all the electrical coaxial connectors of the navigation system. After checking the functionality of these connectors apply silicon grease inside them and on its gaskets, and replace the antenna gasket by other bearing P/N AG457000-03.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletin No. 145-34-0069, 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.