



SERVIÇO PÚBLICO FEDERAL
DEPARTAMENTO DE AVIAÇÃO CIVIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

EFFECTIVE DATE:

08 November 2002

AD No.:

2002-06-01R1

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. 2002-06-01R1 - EMBRAER - Amendment 39-963.

APPLICABILITY:

This Airworthiness Directive is applicable to the Embraer EMB-145() and EMB-135() aircraft models of serial numbers 145003 thru 145103, 145105 thru 145153, 145155 thru 145189, 145191 thru 145256, 145258 thru 145262, 145264 thru 145362, 145364, 145366 thru 145373, 145375 thru 145391, 145393 thru 145411, 145413 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 thru 145554, 145556 thru 145585, 145587 thru 145589, and 145592 thru 145598.

CANCELLATION / REVISION:

This AD cancels and supersedes the AD No. 2002-06-01, original issue – Amdt 39-954, dated 12 Jul. 2002, and is being issued to change in the Applicability item the affected aircraft serial numbers and to include a calendar limit to carry out the modification.

REASON:

It has been found the occurrence of pitot 1 and pitot 2 circuit drain valve breakages, caused by water freezing inside the valve bodies. This event may cause an undesired opening in the airspeed indication system tubing lines, which may cause wrong airspeed indication values on PFD 1 and 2.

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:

Modification of the pitot 1 and pitot 2 circuit drain valve installation.

COMPLIANCE:

Required as indicated below, unless already accomplished.

Within the next 2000 flight operating hours or 12 calendar months after 12 Jul. 2002, the effective date of the original issue of this AD, whichever comes first, modify the pitot 1 and pitot 2 circuit drain valve installation located inside the nose landing gear compartment, moving the drain valves to the forward electronic compartment.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletins Nos. 145-34-0070 Rev. 1 and 145LEG-34-0002, 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.