



SERVIÇO PÚBLICO FEDERAL

DEPARTAMENTO DE AVIAÇÃO CIVIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

EFFECTIVE DATE

30 Sep. 2005

AD No.:

2001-12-02R1

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. 2001-12-02R1 - EMBRAER - Amendment 39-1091.

APPLICABILITY:

This Airworthiness Directive is applicable to Embraer EMB-145() and EMB-135() aircraft, of serial numbers 145008, 145076, 145106, 145129, 145135, 145147, 145153, 145165, 145167, 145198, 145207, 145209, 145240, 145242, 145250, 145269, 145285, 145290, 145335, 145394 and 145395.

CANCELLATION / REVISION:

This AD cancels and supersedes the AD Nº 2001-12-02, original issue – Amdt 39-926, dated 15 Dec. 2001, and is being revised to include a rework on the aircraft capture static pressure, allowing operations in RVSM airspace.

REASON:

It has been found that the above listed aircraft do not comply with the certification requirements for accuracy on minimum vertical separation for operation RVSM inside Eurocontrol airspace.

Since this condition affects flight safety, an immediate corrective action is required. Thus, sufficient reason exists to request compliance with this AD in the indicated time limit.

REQUIRED ACTION:

Correction of the static pressure port positioning; re-inspection of the reworked area; and removal of the advisory placard and limitation, if applicable.

COMPLIANCE:

Required as indicated below, unless already accomplished.

PART I - Before 15 Dec. 2001:

- (a) Introduce the following operational limitation for every aircraft in accordance to the section Applicability above:

“Operation in airspace under RVSM flight rules is prohibited”

NOTE: Compliance with the above requirement is achieved by inclusion of the original issue of this AD in the RVSM Section of the applicable aircraft AFM.

- (b) Install an advisory placard on the glareshield panel lining of the affected aircraft.

PART II - The accomplishment of the following actions constitutes a terminal action to this AD restrictions:

- (a) Make the correction of static port positioning through fuselage aerodynamic skin waviness adjustment and static port step height adjustment.
- (b) Carry out the inspections for static port and surrounding plate flushness, for airframe skin waviness, for damage, external repairs and paint discrepancies, according to detailed instructions and procedures described in the Embraer Service Bulletin No. 145-53-0033, original issue, or further revisions approved by the CTA. If there are any discrepancy between the actual values and the required values, repeat the item (a) above until acceptable values are obtained. When the acceptable values are obtained, remove the operational limitation placard placed in the aircraft front panel and remove the original revision of this AD from the RVSM supplement of the aircraft AFM.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletins Nos. 145-34-0065, original issue, and 145-53-0033, original issue, or further revisions approved by the CTA.

Record compliance with Part I and/or II of 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.