



SERVIÇO PÚBLICO FEDERAL

DEPARTAMENTO DE AVIAÇÃO CIVIL

# BRAZILIAN AIRWORTHINESS DIRECTIVE

EFFECTIVE DATE:

17 Nov. 2005

AD No.:

2005-10-05

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. 2005-10-05 - EMBRAER - Amendment 39-1102.**

### **APPLICABILITY:**

This Airworthiness Directive is applicable to the Embraer EMB-145( ) aircraft, of serial numbers 145004 thru 145129.

### **CANCELLATION / REVISION:**

Not applicable.

### **REASON:**

It has been found the occurrence of cases of chafing of the harness W407 with the supports and the nacelle structure at the engine area, resulting in uncommanded in-flight engine shutdowns.

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 routing and of the set of supports for harness W407.

### **COMPLIANCE:**

Required as indicated below, unless already accomplished.

Within the next 5000 flight hours after the effective date of this AD, modify the routing of the harness W407 at the rear part of both engines, near the fire extinguishing tube, and install new supports to the derivations of the harness W407 that go to connectors P0321, P0915 and P0819.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletin No. 145-71-0008, 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.