



SERVIÇO PÚBLICO FEDERAL  
DEPARTAMENTO DE AVIAÇÃO CIVIL

# BRAZILIAN AIRWORTHINESS DIRECTIVE

EFFECTIVE DATE:

19 Jan. 2006

AD No.:

2005-12-04

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. 2005-12-04 - EMBRAER - Amendment 39-1110.**

### **APPLICABILITY:**

This Airworthiness Directive is applicable to all Embraer EMB-120( ) aircraft models in operation.

### **CANCELLATION / REVISION:**

Not applicable.

### **REASON:**

This AD results from fuel system reviews conducted by the manufacturer.

It has been verified that the conduits of the fuel tanks ventilation and pilot valves harnesses need to be replaced with hoses. In some aircraft the harnesses themselves need to be rerouted, in order to preclude a possible ignition source in the vicinity of the fuel tanks.

Since this condition 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:**

Replacement of the conduits of the fuel tanks ventilation and pilot valves harnesses with hoses and, eventually, rerouting of the harnesses.

### **COMPLIANCE:**

Required as indicated below, unless already accomplished.

Within the next 5000 flight hours after the effective date of this AD, replace the conduits of the fuel tanks ventilation and pilot valves harnesses with hoses. For aircraft serial numbers 120004 thru 1200065 that had not incorporated Embraer Service Bulletins Nos. 120-28-0008, original issue, and 120-33-0024, original issue, or further revisions approved by the CTA, reroute the valves harnesses as specified by the Embraer Service Bulletin No. 120-28-0014, original issue, or further revisions approved by the CTA.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletin No. 120-28-0014, 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.