



## AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRAZIL

### BRAZILIAN AIRWORTHINESS DIRECTIVE

**AD No.: 2008-09-02**

**Effective Date: 30 Sep. 2008**

The following Brazilian Airworthiness Directive (AD), issued by the Agência Nacional de Aviação Civil (ANAC) 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. 2008-09-02 - EMBRAER - Amendment 39-1242.**

#### **APPLICABILITY:**

This Airworthiness Directive is applicable to Embraer ERJ 190 aircraft models of serial numbers (S/N) 19000047 thru 19000089 in operation.

#### **CANCELLATION / REVISION:**

Not applicable.

#### **REASON:**

It has been found the possibility of some aluminum fasteners having been installed instead of titanium ones at bulkhead 1 of the LH and RH pylons of some Embraer ERJ 190 aircraft models. In the case of a bird strike in the pylon bulkhead 1 equipped with aluminum fasteners there is the possibility where the impact may affect some equipments installed in the region after the bulkhead 1. Damages to the hydraulic lines and electrical generator power cables may lead to presence of fire in the region, without indication to the flight crew.

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:**

Inspection of fasteners in bulkhead 1 of the LH and RH pylons; and, if necessary, their replacement with titanium fasteners.

#### **COMPLIANCE:**

Required as indicated below, unless already accomplished.

Within the next 5000 flight cycles (FC) after the effective date of this AD, perform an inspection on the fasteners at bulkhead 1 of the LH and RH pylons for the presence of aluminum fasteners and, if necessary, replace them with titanium fasteners.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletin No. 190-54-0008 original issue, or further revisions approved by ANAC.

Record compliance with this AD in the applicable maintenance log book.

#### **CONTACT:**

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**APPROVAL:**

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**NOTE:** Original in Portuguese language signed and available in the files of the Aeronautical Products Certification Branch (GGCP) of the National Civil Aviation Agency (ANAC).