



## AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRAZIL

### BRAZILIAN AIRWORTHINESS DIRECTIVE

**AD No.: 2006-11-01R1**

**Effective Date: 21 Mar. 2007**

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. 2006-11-01R1 - EMBRAER - Amendment 39-1175.**

#### **APPLICABILITY:**

This Airworthiness Directive is applicable to all Embraer ERJ-190( ) aircraft models in operation.

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

This AD cancels and supersedes the AD No. 2006-11-01 original issue - Amdt 39-1159, dated 22 Nov. 2006, and it is being issued to change its required action and compliance time.

#### **REASON:**

It has been found the occurrence of an engine in-flight shutdown caused by the engine low stage bleed check valve failing to close due to excessive wear, which leads to the concern that such fault may be present in both engines of a given aircraft.

Since this condition may occur in other aircraft 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:**

Replacement of the left hand (LH) and right hand (RH) engines low stage bleed check valves by new ones.

#### **COMPLIANCE:**

Required as indicated below, unless already accomplished.

- (a) Within the next 100 flight hours (FH) after 22 Nov 2006, the effective date of the original issue of this AD, on aircraft logging 1500 FH or above, replace the RH engine low stage bleed check valve part number (P/N) 1001447-3 by a new one having the same P/N. Repeat this replacement at intervals that do not exceed 1500 FH.
- (b) Within the next 600 FH after the effective date of the revision 1 of this AD, on aircraft logging 1500 FH or above, replace the LH low stage engine bleed check valve P/N 1001447-3 by a new one having the same P/N. Repeat this replacement at intervals that do not exceed 1500 FH
- (c) For engines that will be installed on the aircraft RH or LH position, replace the engine low stage bleed check valve P/N 1001447-3 by a new one having the same P/N before installing the engines on the aircraft.

**NOTE:** This is considered to be an interim action until final action is identified, at which time the ANAC may consider further rulemaking.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletin No. 190-36-0004 original issue, or further revisions approved by the ANAC.

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

**CONTACT:**

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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).