



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRAZIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2014-02-01

Effective Date: 24 Feb. 2014

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 da Aviação Civil (RBAC) 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. 2014-02-01 - (EMBRAER) / 39-1380.

APPLICABILITY:

This Airworthiness Directive (AD) applies to Embraer S.A. model ERJ 190-100 STD, ERJ 190-100 LR, ERJ 190-100 IGW, ERJ 190-100 SR, ERJ 190-200 STD, ERJ 190-200LR and ERJ 190-200 IGW airplanes; all serial numbers.

CANCELLATION / REVISION:

Not applicable.

REASON:

This AD was prompted by reports of cracks in some engine low-stage bleed check valves having part number (PN) 1001447-6. We are issuing this AD to prevent the possibility of a dual engine in-flight shutdown due to low-stage bleed check valve failure.

COMPLIANCE:

Required as indicated below, unless already accomplished.

a) Replacement of Left-Hand (LH) Low-Stage Bleed Check Valve

For airplanes equipped with Hamilton Sundstrand low-stage bleed check valve having P/N 1001447-6: Within airplane 200 flight hours after the effective date of this AD or before the low-stage bleed check valve accumulates 6000 total flight hours since new, whichever occurs later, replace the low-stage bleed check valve and associated seals of the LH engine's bleed system with a new check valve and new associated seals, in accordance with the Accomplishment Instructions of EMBRAER Alert Service Bulletin 190-36-0023, revision 01, dated September 03, 2013. Repeat the replacement thereafter at intervals not to exceed 6000 flight hours.

b) Replacement of Right-Hand (RH) Low-Stage Bleed Check Valve

For airplanes equipped with Hamilton Sundstrand low-stage bleed check valve having P/N 1001447-6: Within airplane 200 flight hours after the effective date of this AD or before the low-stage bleed check valve accumulates 6000 total flight hours since new, whichever occurs later, replace the low-stage bleed check valve and associated seals of the RH engine's bleed system with a new check valve and new associated seals, in accordance with the Accomplishment Instructions of EMBRAER Service Bulletin 190-36-0023, revision 01, dated September 03, 2013. Repeat the replacement thereafter at intervals not to exceed 6000 flight hours.

c) Alternative Method of Compliance (AMOC)

A different method or a different compliance time, with requirements of this AD, may be used if approved by the General Manager of the Aeronautical Product Certification Branch (Gerência-Geral de Certificação de Produtos Aeronáuticos (GGCP)).

d) Credit for Previous Actions

This paragraph provides credit for the actions specified in paragraphs (a) and (b) of this AD, if those actions were performed before the effective date of this AD, using EMBRAER Service Bulletin 190-36-0023, original issue, dated July 22, 2013.

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).