



適航指令發布單

Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2019-02-014	發布日期 Date issued	2019/2/25
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	(1) Model ERJ 170- 100 LR, ERJ 170- 100 SE, ERJ 170- 100 STD, ERJ 170 -100 SU, ERJ 170-200 LL, ERJ 170 -200 LR, ERJ 170- 200 STD, and ERJ 170- 200 SU airplanes, as identified in Embraer Service Bulletin N. 170-53- 0142, revision 01, dated December 12, 2018. (2) Model ERJ 190- 100STD, ERJ 190- 100 LR, ERJ 190- 100 IGW, ERJ 190 -100 SR, ERJ 190- 200STD, ERJ 190 -200 LR, and ERJ 190 -200 IGW airplanes, as identified in Embraer Service Bulletin N. 190-53-0098, revision 01, dated December 12, 2018. (3) Model ERJ 190-100 ECJ airplanes, as identified in Embraer Service Bulletin N. 190LIN-53-0072, revision 01, dated January 09, 2019.		
主旨摘要	This AD required inspection and rework of the Ram Air Turbine (RAT) compartment door seal attachment to prevent the loss of the RAT function.		
民航局 CAA <input type="checkbox"/> 本國產品 Native products <input type="checkbox"/> 其他個案 Other	設計國民航主管機構 Original Authorities <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> FAA <input type="checkbox"/> EASA <input checked="" type="checkbox"/> Brazil <input type="checkbox"/> Transport Canada Civil Aviation <input type="checkbox"/> DGAC </div> <div> <input type="checkbox"/> Germany LBA <input type="checkbox"/> CAA-NL <input type="checkbox"/> UK CAA <input type="checkbox"/> Japan CAB <input type="checkbox"/> CAA of Israel <input type="checkbox"/> Other_____ </div> </div>		
	設計國 AD 編號 Original AD number	2019-02-02	
	1. 直接採用原 AD 之內容?(Is the original AD directly adopted?) <input checked="" type="checkbox"/> 是(Yes) <input type="checkbox"/> 否(No) _ a. 生效日期另訂為(Re-specify the effective date as) : _____ b. 執行時限另訂為(Re-specify the compliance time or period as) : _____ 2. 使用人是否需要將 AD 執行結果向民航局提出報告?(Do Users need to report the status of compliance to the CAA?) <input type="checkbox"/> 是(Yes) <input checked="" type="checkbox"/> 否(No)		
備註 Note	ATA 53. Ref. Republications: Service Bulletin N. 170-53-0142, revision 01, dated December 12, 2018, or Embraer Service Bulletin N. 190-53-0098, revision 01, dated December 12, 2018, or Embraer Service Bulletin N. 190LIN-53-0072, revision 01, dated January 09, 2019; as applicable, or further revisions approved by the ANAC, to do the actions required by this AD.		
註： 1. AD 內容後附。 2. 航空器產品使用人得向民航局提出豁免、替代符合方法、執行時限之展延之申請。 3. 如有任何問題，請聯絡交通部民用航空局初始適航科。Tel：(02)2349-6331~3, Fax：(02)2545-8464, e-mail： adcaa@mail.caa.gov.tw Note： 1. The AD text is enclosed. 2. Exemption, an alternative method of compliance or adjustment of the compliance time may be proposed to the CAA for approval. 3. For further information, please contact Civil Aeronautics Administration on Tel：(02)2349-6331~3, Fax：(02)2545-8464, e-mail： adcaa@mail.caa.gov.tw			



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL - BRAZIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2019-02-02

Effective Date: 28 Feb. 2019

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. 2019-02-02 - EMBRAER / 39-1438.

APPLICABILITY:

(a) This Airworthiness Directive (AD) applies to Embraer S.A. airplanes, as specified in paragraphs (a)(1) thru (a)(3) of this AD.

(1) Model ERJ 170-100 LR, ERJ 170-100 SE, ERJ 170-100 STD, ERJ 170-100 SU, ERJ 170-200 LL, ERJ 170-200 LR, ERJ 170-200 STD, and ERJ 170-200 SU airplanes, as identified in Embraer Service Bulletin N. 170-53-0142, revision 01, dated December 12, 2018.

(2) Model ERJ 190-100STD, ERJ 190-100 LR, ERJ 190-100 IGW, ERJ 190-100 SR, ERJ 190-200STD, ERJ 190-200 LR, and ERJ 190-200 IGW airplanes, as identified in Embraer Service Bulletin N. 190-53-0098, revision 01, dated December 12, 2018.

(3) Model ERJ 190-100 ECJ airplanes, as identified in Embraer Service Bulletin N. 190LIN-53-0072, revision 01, dated January 09, 2019.

CANCELLATION / REVISION:

Not applicable.

REASON:

It has been found the occurrence some events of the Ram Air Turbine (RAT) compartment door seal peeling off and tangling up on the RAT rotor during flight test. We are issuing this AD to prevent the loss of the RAT function, which associated with an emergency electrical event, can result in the loss of airplane controllability.

Since this condition may occur in other airplanes 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:

Inspection and rework of the RAT compartment door seal attachment.

COMPLIANCE:

Required as indicated below, unless already accomplished.

(b) Inspection and rework.

(1) For airplanes identified in paragraphs **(a)(1)** and **(a)(2)** of this AD, within the next 750 flight hours (FH) after the effective date of this AD, carry out a General Visual Inspection (GVI) on the RAT compartment door seal for peeling-off condition, bonding it as necessary. Rework the RAT compartment door seal attachment installing the recommended rivets and washers listed in the service documents identified in the paragraph **(e)** of this AD, as applicable.

(2) For airplanes identified in paragraph **(a)(3)** of this AD, within the next 400 FH or 6 months after the effective date of this AD, whichever occurs first, carry out a GVI on the RAT compartment door seal for peeling-off condition and bonding it as necessary. Rework the RAT compartment door seal attachment installing the recommended rivets and washers listed in the service documents identified in the paragraph **(e)** of this AD, as applicable.

(c) Credit for previous actions.

This paragraph provides credit for the actions specified in paragraph **(b)(1)** and **(b)(2)** of this AD, if those actions were performed before the effective date of this AD using Embraer Service Bulletin N. 170-53-0142, original issue, dated December 08, 2017, or Embraer Service Bulletin N. 190-53-0098, original issue, dated December 08, 2017, or Embraer Service Bulletin N. 190LIN-53-0072, original issue, dated December 15, 2017, as applicable.

(d) Alternative methods of compliance (AMOCs).

A different method or a different compliance time, with the 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).

(e) Service information.

You must use Embraer Service Bulletin N. 170-53-0142, revision 01, dated December 12, 2018, or Embraer Service Bulletin N. 190-53-0098, revision 01, dated December 12, 2018, or Embraer Service Bulletin N. 190LIN-53-0072, revision 01, dated January 09, 2019; as applicable, or further revisions approved by the ANAC, to do the actions required by this AD.

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

CONTACT:

For additional technical information, contact:

National Civil Aviation Agency (ANAC)
Aeronautical Products Certification Branch (GGCP)
Rua Laurent Martins, nº 209, Jardim Esplanada
CEP 12242-431 – São José dos Campos - SP, BRAZIL.
Tel: (12) 3203-6600; E-mail: pac@anac.gov.br

APPROVAL:

MÁRIO IGAWA
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Airworthiness Superintendent
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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).