



適航指令發布單
Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2018-07-012	發布日期 Date issued	2018/7/25
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	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 190-200 LR, and ERJ 190-200 IGW airplanes, all serial numbers.		
主旨摘要	Landing gear -Detailed Inspection (DET) on the Pintle Pins of the main landing gear shock struts		
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 <input type="checkbox"/> FAA <input type="checkbox"/> EASA <input checked="" type="checkbox"/> Brazil <input type="checkbox"/> Transport Canada Civil Aviation <input type="checkbox"/> DGAC <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 _____		
	設計國 AD 編號 Original AD number	Brazil 2018-07-01	
	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	Embraer S.A. Service Bulletin 190-32-0065, revision 02, dated November 1, 2017		
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.: 2018-07-01

Effective Date: 24 Jul. 2018

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. 2018-07-01 - EMBRAER / 39-1429.

APPLICABILITY:

(a) 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 190-200 LR, and ERJ 190-200 IGW airplanes, all serial numbers.

CANCELLATION/ REVISION:

Not applicable.

REASON:

This AD was prompted by reports of corrosion and chromium layer chipping on the rearward and forward Pintle Pin of the Main Landing Gear (MLG) Shock Struts. We are issuing this AD to detect and correct Pintle Pin having corrosion or chromium layer chipping, which could cause the Pintle Pin to shear under normal load and lead to the collapse of the MLG during take-off or landing.

REQUIRED ACTION:

This AD requires a detailed inspection (DET) on the Pintle Pins of the Main Landing Shock Strut for discrepancies.

COMPLIANCE:

Do the actions required by this AD within the compliance times specified, unless the actions have already been done.

(b) Do a detailed inspection (DET) on the forward and afterward Pintle Pin of the left hand and right hand Main Landing Shock Strut for discrepancies, in accordance with the Accomplishment Instructions of Embraer S.A. Service Bulletin 190-32-0065, revision 02, dated November 1, 2017; at the latest of the times specified in paragraphs (b)(1), and (b)(2) of this AD. If any discrepancy is detected, before further flight, perform corrective actions, as applicable, in accordance with Embraer S.A. Service Bulletin 190-32-0065. Repeat the inspection thereafter at intervals not to exceed 72 months.

(1) For airplanes on which any Main Landing Gear Pintle Pin, part number 2821-0067 or 2821-0025, has accumulated less than 17,000 Flight Cycles since new, at the effective date of this AD, do the inspection specified in paragraph (b) before the Pintle Pin has logged 17,750 Flight Cycles.

(2) For airplanes on which any Main Landing Gear Pintle Pin, part number 2821-0067 or 2821-0025, has accumulated more than 17,000 Flight Cycles since new, at the effective date of this AD, do the inspection specified in paragraph (b) within 750 Flight Cycles after the effective date of this AD.

(c) This paragraph provides credit for the initial inspection specified in paragraph (b) of this AD, if that inspection was performed before the effective date of this AD using Task 57-50-007-1247 of MRB 1928, Task 32-11-001-1034 of MRB 1928, Embraer S.A. Service Bulletin 190-32-0002, restoration of the Main Landing Gear per Task 32-11-00-001 of MRB 1928, original issue of Embraer S.A. Service Bulletin 190-32-0065, or revision 1 of Embraer S.A. Service Bulletin 190-32-0065.

(d) For the purposes of this AD, performing MRB 1928 task number 32-11-001-1034 is considered equivalent to performing the detailed inspection required by paragraph (b) of this AD, as long as it is done at intervals consistent with those required in paragraph (b) of this AD.

(e) A different method or a different compliance time with the requirements of this AD may be used if approved by the General Manager of ANAC's Aeronautical Product Certification Branch (Gerência-Geral de Certificação de Produtos Aeronáuticos – GGCP). The AMOC approval letter must specifically reference this AD.

(f) You must use Embraer S.A. Service Bulletin 190-32-0065, revision 02, dated November 1, 2017, to do the actions required by this AD, unless this AD specifies otherwise.

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: 55 (12) 3203-6600; E-mail: pac@anac.gov.br

APPROVAL:

MÁRIO IGAWA
General Manager
GGCP

ROBERTO JOSÉ SILVEIRA HONORATO
Airworthiness Superintendent
ANAC

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).