



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRAZIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2008-11-01

Effective Date: 25 Nov. 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. 2008-11-01 - EMBRAER - Amendment 39-1251.

APPLICABILITY:

This Airworthiness Directive is applicable to Embraer ERJ 190-100 STD, ERJ 190-100 LR, ERJ 190-100 IGW, ERJ 190-200 STD, ERJ 190-200 LR and ERJ 190-200 IGW aircraft models equipped with Main Landing Gear (MLG) Shock Struts listed in table 1.

Table 1 – Affected MLG Shock Struts

P/N	S/N
2821A0000-03	00126 thru 00137, 00139 thru 00150 and 00152 thru 00159
2822A0000-03	05126, 05127, 05129 thru 05136, 05138 thru 05150 and 05152 thru 05158
4259A0000-01	00138 and 00151
4260A0000-01	05137 and 05151

CANCELLATION / REVISION:

Not applicable.

REASON:

One of two bolts that attach the MLG locking stay support bracket assembly to the main fitting was found broken on two airplanes. The rupture of both bolts can cause functional loss of the locking stay which may lead the MLG to collapse.

Since this condition may occur in other aircraft of the same type and affects flight safety, an immediate corrective action is required. Thus, sufficient reason exists to request compliance with this AD in the indicated time limit without prior notice.

REQUIRED ACTION:

Replacement of the affected attaching bolts.

COMPLIANCE:

Required as indicated below, unless already accomplished.

- (a) Within the next 200 flight hours after the effective date of this AD, replace the two bolts that attach the MLG locking stay support bracket assembly to the main fitting, P/N 2821-8040 (two position) by new ones bearing P/N NAS628-14 in accordance with the instruction presented in the Embraer Alert Service Bulletin No. 190-32-A033.
- (b) After the effective date of this AD no bolt bearing P/N 2821-8040 may be installed.
- (c) If no bolt bearing P/N 2821-8040 is found installed, no further action is required.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Alert Service Bulletin No. 190-32-A033, dated 03 Nov. 2008, 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).