

Sektion 2. Utlandstillverkad flygmateriel

TITEL: Sprickkontroll av övre sidroderlagring (på fensida)

GÄLLER: EMB 110, S/N 110001 t o m 110480.

ÅTGÄRD: Kontrollera sidorodrets övre infästning beträffande sprickbildning i enlighet med Embraer Service Bulletin 110-055-0017 rev 3.

TID FÖR ÅTGÄRD: I enlighet med intervaller angivna i bifogad kopia av CTA DDA 80-12-04R2 punkterna I, II, III.

UNDERLAG: EMB Service Bulletin 110-055-0017 Revision 3 eller senare revision. CTA DDA 80-12-04R2.

REFERENS: CTA DDA 80-12-04R2

UTGIVNINGS-DATUM: 1991-09-19

LFS: 1991:20

Åtgärd enligt LVD utgör nödvändig förutsättning för ifrågavarende flygmateriels luftvärdighet. Referens BCL M 1.11. Anteckning om åtgärd, som vidtagits i enlighet med LVD, skall införas i teknisk journal för berörd flygmateriel med hänvisning till ifrågavarande LVD-nummer. Angivet underlag refererar till senaste gällande revision/utgåva. LVD utges i luftfartsverkets författningssamlingar LFS.



MINISTÉRIO DA AERONÁUTICA
DEPARTAMENTO DE AVIAÇÃO CIVIL

DIRETRIZ DE AERONAVEGABILIDADE

EFETIVIDADE:

JUNE 20, 1991

DA Nº

80-12-04R2

The following Airworthiness Directive (AD), developed by the Centro Técnico Aeroespacial (CTA) and issued by the Departamento de Aviação Civil (DAC) in accordance with provisions of Chapter IV, Title III of Código Brasileiro de Aeronáutica - Ministerial Decree NR 7,565 as of 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 NR 80-12-04R2 - EMBRAER - Amdt 39-669

APPLICABILITY:

This AD is applicable to EMB-110 aircraft S/N 110001 thru 110480 in operation.

CANCELLATION/REVISION:

This AD revises and supersedes completely the AD 80-12-04R1 - Amdt 1301/01-613, dated May 11, 89 and is being issued to improve the comprehensibility of the AD requirements in view of the services proposed in the correspondent EMBRAER Service Bulletin and to impose the replacement of the affected part, as agreed in the EMB-110 Aging Conference held at EMBRAER between 20 and 26 March 1991.

REASON:

Cracks have been found in the rudder upper hinge support of the EMB-110 aircraft, which may lead to a full rupture of the support and to a possible rudder structural failure.

As this condition affects the safety of flight and may exist or develop in other airplanes of the same type design, the immediate enforcement of a corrective action is required and therefore, sufficient reason exists to impose compliance with the following amendment, in the established time period, without prior notice.

REQUIRED ACTION:

I) On aircraft S/N 110001 thru 110226 which have not yet complied with the requirements of Revision I of this AD, replace the rudder upper hinge bolt P/N NAS 464-P4A21, by the longer one P/N NAS 464-P4A22, in accordance with the procedures established in the EMBRAER Service Bulletin 110-055-0017, Part I.

II) On aircraft S/N 110001 thru 110480 perform a dye-penetrant inspection of the rudder upper hinge support P/N 4A-3343-01 or -02 or 110-3348-03, with the rudder removed from the aircraft, in accordance with the procedures established in the EMBRAER SB 110-055-0017, Part II.

III) On aircraft S/N 110001 thru 110480, unless already accomplished in function of the previous issue of this AD, replace the rudder upper hinge support P/N 4A-3343-01 or -02 or 110-3348-03 by the new machined part P/N 110-3300-01, in accordance with the procedures established in the EMBRAER SB 110-055-0017, Part III.

COMPLIANCE:

Accomplishment of this AD is required as indicated below:

I) Bolt replacement - before completion of 300 operating hours after the effectiveness date of Revision 1 of this AD (May 11, 89) or, in the next 10 operating hours, if that time period has been exceeded.

II) Inspection of the rudder upper hinge support - before completion of 300 operating hours after the effectiveness date of Revision 1 of this AD (May 11, 89) and, subsequently, at each 600 operating hours.

III) Replacement of the upper hinge support - in the next scheduled aircraft inspection of "6C" level or 18 months, whichever occurs first, after the effectiveness date of this AD, or at the time of accomplishment of Part II above, if cracks are found.

Detailed procedures and specifications for accomplishment of this AD can be found in the EMBRAER Service Bulletin 110-055-0017 Revision 3, or later IFI/CTA approved revisions.

Make the proper log book entry that this Airworthiness Directive has been complied with.

CONTACT:

For additional information, contact:

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EFFECTIVE DATE:

This AD (NR 80-12-04R2, Amdt 39-669) becomes effective on June 20, 1991.

Original in Portuguese signed by:

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