

Sektion 2. Utlandstillverkad flygmateriel

R1

TITEL: Kontroll av höjdrodrens balansvikters armar för sprickor

GÄLLER: Alla EMB-110K, EMB-110P1 och EMB-110P2 med stabilisatorer installerade i 10 graders v-form och som ej har nya armar P/N 110-3012-01-15 och 110-3012-01-16 installerade

ÅTGÄRD: Utför åtgärder i enlighet med EMBRAER Service Bulletin No 110-027-A088 eller senare revision och bifogad kopia av CTA DDA 90-05-03R1 eller senare revision.

TID FÖR ÅTGÄRD:

A. Inom 10 flygtimmar efter mottagandet av detta LDV, om ej utförts tidigare i enlighet med DAE T90-05-03-EMBRAER-Amdt-39-637.

B. Om sprickor ej förekommer, repetera inspektion efter varje 150 flygtimme, upp till 600 flygtimmar då nya armar skall installeras.

UNDERLAG: EMBRAER Service Bulletin No 110-027-A088 eller senare revision. CTA DDA 90-05-03R1 eller senare revision

REFERENS: CTA DDA 90-05-03R1
FAA AD 90-12-01

BESLUTS-DATUM: 1991-10-03

LFS: 1991:23

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:

AUG 30, 1991

DA Nº

90-05-03R1

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 90-05-03R1 - EMBRAER - Amdt 39-684

APPLICABILITY:

This AD is applicable to all EMB-110K1, EMB-110P1 and EMB-110P2 air planes with 10 degrees dihedral stabilizer, in operation, that have not new arms P/N 110-3012-01-15 and 110-3012-01-16.

CANCELLATION/REVISION:

This AD supersedes AD NR 90-05-03 - Amdt 39-654, dated November 26, 1990 and is being revised to impose a final action as agreed in the EMB-110 Aging Conference held at EMBRAER between 20 and 26 March 1991.

REASON:

There have been reports of cracks in elevator balance weight arms P/N 110-3012-01-06 (right) and P/N 110-3012-01-01 (left) of EMB-110P1 air planes equipped with 10 degrees dihedral stabilizer. If the cracks are not detected a separation of the elevator mass balance weights arms may occur and a extreme vibration or flutter could follow, resulting in loss of the airplane.

Since this condition can affect flight safety and develop in other airplanes of the same type, immediate corrective action is required. Thus sufficient reason exists to issue this AD without prior notice.

REQUIRED ACTION:

Inspection in the elevator mass balance arms and replacement of the part, if cracked.

COMPLIANCE:

This AD accomplishment must be as follows:

Following the procedures established in the AD 90-05-03 - Amdt 39-654, carry out inspections at each 150 operating hours of the elevator balance weight arms, both right and left, using dye-penetrant method. These inspections must be carried out in all airplanes which are not equipped with the new arms P/N 110-3012-01-15 and P/N 110-3012-01-16.

If cracks are found, replace the arms of old P/N by others of new P/N.

If cracks are not found, repeat the inspections at each 150 operating hours till 600 operating hours, after the effective date of this revision, and in this occasion all the arms of old P/N must be replaced by arms of P/N 110-3012-01-15 and 110-3012-01-16.

The procedures and specifications applicable for the accomplishment of this AD are covered by the EMBRAER SB 110-027-0088, or later IFI/CTA approved revisions.

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

CONTACT:

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EFFECTIVE DATE:

This AD (NR 90-05-03R1, Amdt 39-684) becomes effective on Aug 30, 91.

Original in Portuguese signed by:

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