

DEPT. OF TRANSPORTATION  
DOCKETS

[4910-13-U]

DEPARTMENT OF TRANSPORTATION (DOT)

2004 JUL 15 P 1:42

Federal Aviation Administration

14 CFR Part 39

18582-2

[Docket No. FAA-2004-~~18582-2~~ Directorate Identifier 2003-NM-35-AD]

RIN 2120-AA64

Airworthiness Directives; Empresa Brasileira de Aeronautica S.A. (EMBRAER)

Model EMB-135 and -145 Series Airplanes

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Notice of proposed rulemaking (NPRM).

**SUMMARY:** The FAA proposes to adopt a new airworthiness directive (AD) for certain EMBRAER Model EMB-135 and -145 series airplanes. This proposed AD would require measuring the fillet radius dimension of the trunnion fitting webs of the wings; and reworking the fillet radius of the trunnion fitting web in order to increase the radius, doing related investigative actions, and doing applicable corrective actions, if necessary. This proposed AD is prompted by a report indicating that trunnion fittings on the wings have been manufactured with a web fillet radius smaller than the minimum required by the design data, which may induce the occurrence of fatigue cracks at the fillet radius and adjacent structures (e.g., spar, ribs, etc.). We are proposing this AD to detect and correct fatigue cracking of the wing trunnion fittings on adjacent structure, which could result in failure of the main landing gear, consequent damage to surrounding structure, and possible loss of control of the airplane during landing.

**DATES:** We must receive comments on this proposed AD by [insert date 30 days after date of publication in the FEDERAL REGISTER].

CONCURRENCES
ROUTING SYMBOL ANN-116JT
INITIALS/SIGNATURE AT
DATE 6/10/04
ROUTING SYMBOL ANN-116B5
INITIALS/SIGNATURE RDB
DATE 6/15/04
ROUTING SYMBOL -7
INITIALS/SIGNATURE OG
DATE 6/25
ROUTING SYMBOL -114
INITIALS/SIGNATURE GR
DATE 7/2
ROUTING SYMBOL -101
INITIALS/SIGNATURE OI
DATE OI
ROUTING SYMBOL -100
INITIALS/SIGNATURE OOT
DATE
ROUTING SYMBOL
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