

AIRWORTHINESS DIRECTIVE

released by DIRECTION GENERALE DE L'AVIATION CIVILE

Inspections and/or modifications described below are mandatory. No person may operate a product to which this Airworthiness Directive applies except in accordance with the requirements of this Airworthiness Directive

Translation of 'Consigne de Navigabilité'

Réf.: 90-031(B)R2

In case of any difficulty, reference should be made to the French original issue.

CFMI CFM56-3 turbo fan engines

Operating limitations

The present Airworthiness Directive applies to CFM International CFM56-3/3B/3C series turbo fan engines.

To decrease the vibratory stress levels and to prevent fan blade failure which could lead to a complete loss of thrust on one engine, compliance is required as indicated unless previously accomplished :

A/ Prior to further flight :

- 1/ Remove from service stage 1 fan disks P/N 3350145110 which have been equipped with fan blades P/N 9527M99P08, P/N 9527M99P09, P/N 9527M99P10, P/N 9527M99P11 or P/N 1285M39P01 and which have been installed in engines operated at CFM56-3C ratings above 5,000 ft pressure altitude for take off or above 10,000 ft pressure altitude for climb.
- 2/ Remove from service fan blades P/N 9527M99P08, P/N 9527M99P09, P/N 9527M99P10, P/N 9527M99P11 and P/N 1285M39P01 which have been installed in engines operated at CFM56-3C ratings above 5,000 ft pressure altitude for take off and above 10,000 ft pressure altitude for climb.
- 3/ Operate CFM56-3C fitted with fan blades part number P/N 9527M99P08, P/N 9527M99P09, P/N 9527M99P10, P/N 9527M99P11 and P/N 1285M39P01 at :
 - 3.a CFM56-3B ratings or
 - 3.b CFM56-3C ratings but limited for take off up to 5,000 ft pressure altitude and for climb up to 10,000 ft pressure altitude ; above operate at CFM56-3B ratings.

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February 6, 91

CFMI CFM56-3 turbo fan engines

90-031(B)R2

Note 1 :

Fan blade and fan disks removed from service in accordance with paragraphs 1 and 2 of this AD should be tagged and held in quarantine until further instructions from the Authority.

Note 2 :

Ground running for maintenance purposes should be conducted in accordance with the limitations described in paragraph A3.

B/ Within 60 days from the effective date of this AD :

For the CFM56-3B and CFM56-3C engines fitted with fan blades part number P/N 9527M99P08, P/N 9527M99P09, P/N 9527M99P10, P/N 9527M99P11 and P/N 1285M39P01 modify the fan module assembly by installing fan blade friction dampers in accordance with CFM56 Service Bulletin 72-494 revision 3 dated August 9, 1990 (or further revision).

An alternate method of compliance or adjustment of the compliance time which provides an equivalent level of safety may be approved by the Authority.

This Revision 2 is issued for administrative purpose only and cancels and replaces AD 90-031(B)R1 dated October 31, 1990.

EFFECTIVE DATE : NOVEMBER 10, 1990
(same as Revision 1)