

AIRWORTHINESS DIRECTIVE

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Inspection 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' ref. : 94-272(B) R3
In case of any difficulty, reference should be made to the French original issue.

CFMI

CFM 56-5, -5B, -5C Engines

High pressure compressor 1-2 spool

Applicable to high by-pass ratio CFM 56-5, -5B, -5C series engine models exposed to operation with N°3 bearing aft air/oil seal, part number (P/N) 1364M71G02 as listed in the following CFMI Service Bulletins (SB) :

CFM 56-5-A1, -5-A1/F, -5A3	SB 72-440 R2 dated June 23, 1995 (or later revision)
CFM 56-5B1, -5B2, -5B1/2, -5B2/2, -5B4, -5B4/2	SB 72-064 R2 dated June 23, 1995 (or later revision)
CFM 56-5C2, -5C2/F, -5C2/G, -5C3/F, -5C3/G, -5C4	SB 72-229 R2 dated June 23, 1995 (or later revision)

These engines are installed on airplanes AIRBUS A320, A321 or A340 series.

It has been determined for the affected engines that lack of running clearance may exist between the forward corner of the High Pressure Compressor Rotor (HPCR) stage 1 disk bore and the stationary N° 3 bearing aft air/oil seal, Part Number (P/N) 1364M71G02. This may eventually result in potential contact between the two parts during engine operation. Such contact will result in rubbing and/or scratching of the HPCR stage 1 disc bore forward corner and could eventually lead to an uncontained disk failure. So, the following requirements are made mandatory :

A. Inspect the stage 1 disk bores within 2200 Cycles Since New (CSN) and then re-inspect within every 2200 cycles since the last inspection in accordance with the instructions of applicable S.B. ;

1 - For spools with less than 2200 CSN :

Remove those spools with rubbed and/or scratched stage 1 disk bores from service for piece part inspection and possible rework, at next shop visit or within 2200 CSN, whichever occurs first.

2 - Re-inspection requirements :

Remove those spools with rubbed and/or scratched stage 1 disk bores from service for piece part inspection and possible rework, at next shop visit or within 2200 cycles since the last inspection, whichever occurs first.

- B. Excepted if already done, remove from service at the next shop visit on the effective date of this AD N°3 bearing aft air/oil seal P/N 1364M71G02 and replace with seal bearing an approved P/N ; spools 1-2 identified with rubbing and/or scratch indications must be removed or repaired at this opportunity.

NOTES :

1. Accomplishment of paragraph B above serves as a terminating action for the inspection requirements according to paragraph A of this Airworthiness Directive.
2. For the purpose of this Airworthiness Directive, a shop visit is defined as the introduction of the engine into the shop for maintenance purposes.

Ref. : CFMI SB CFM 56-5 N° 72-440
CFM 56-5B N° 72-064
CFM 56-5C N° 72-229

This Revision 3 replaces AD 94-272(B)R2 dated July 19, 1995.

EFFECTIVE DATES :

Original AD : DECEMBER 31, 1994
Revision 1 : FEBRUARY 25, 1995
Revision 2 : JULY 29, 1995
Revision 3 : OCTOBER 07, 1995