

AIRWORTHINESS DIRECTIVE

released by Direction Générale 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. : 86-153-031(B)R4
In case of any difficulty, reference should
be made to the French original issue.

AEROSPATIALE AS 355 Helicopters

Engine Flame Out

The present Airworthiness Directive concerns all AEROSPATIALE AS 355E, F, F1 and F2 helicopters equipped with engine air intake fitted with debris guards.

A/ To prevent engine flame out when the helicopter is flying in heavy precipitation at ambient temperature nearing zero degree centigrade, the following temporary measures have been rendered mandatory :

- a) - VFR flights in heavy precipitation are prohibited at indicated OAT below + 5°C.
This restriction does not apply to the flights in falling snow at indicated OAT below - 5°C nor in light drizzle.

The engine anti-icing system shall be operated when indicated OAT is below + 5°C, in all precipitation and visible moisture conditions.

On receipt of revisions RR : 4D (355E), 3D (355F), 2D (355F1), 1A (355F2), reflecting these restrictions, they shall be included in the corresponding Flight Manuals.

- b) - In addition, for IFR aircraft, IMC flights are prohibited when indicated OAT is below + 5°C.

On receipt of revisions RR : 3D (355F), 2D (355F1), 1A (355F2) reflecting these restrictions, they shall be included in the corresponding Flight Manuals.

NOTE : Which enables the provisions of the present Airworthiness Directive to be waived in exceptional circumstances but which can be used only after being approved by the relevant operational Authority.

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B/ The installation of the automatic relighting system for ALLISON 250 C 20F engines (which corresponds to all the AEROSPATIALE modifications covered by Service Bulletin n° 80-02 Rev. 2) or of any other equivalent system, approved by the Airworthiness Authorities, is rendered mandatory :

- on IFR aircraft : before 1st November 1987
- on VFR aircraft : before 31st March 1988.

This installation will cancel the limitations stated in paragraph A of this A.D.

NOTE : 1 - Installation of AEROSPATIALE relighting kit requires exclusive utilisation of CHAMPION or AUBURN igniter P/N 68 77518 or CHAMPION igniter P/N 23006266 and a service life limit of 1200 hours for each authorized igniter.

NOTE : 2 - For helicopters already modified per AMS 350A 07-1823 and 07-1905, the complementary modifications which correspond to AMS 350A 07-1910 and -1920 must be installed before March 31, 1988 in order to prevent untimely operation of the relighting system (cf. S.B. N° 80-02 rev. 2).

Ref. : AEROSPATIALE AS 355 S.B. N° 01-18 Rev. 2 and 80-02 Rev. 2
or subsequent approved revision

This revision supersedes rev. 3 of A.D. 86-153-031 (B)

EFFECTIVE DATE : OCTOBER 15, 1986

(same as the original A.D)