Transport Canada Transports Canada

Canada

No. CF-87-01R3

AIRWORTHINESS DIRECTIVE

The following airworthiness directive (AD) may be applicable to an aircraft which our records indicate is registered in your name. ADs are issued pursuant to Canadian Aviation Regulation (CAR) 593. Pursuant to CAR 605.84 and the further details of CAR Standard 625, Appendix H, the continuing airworthiness of a Canadian registered aircraft is contingent upon compliance with all applicable Ads. Failure to comply with the requirements of an AD may invalidate the flight authorization of the aircraft. Alternative means of compliance shall be applied for in accordance with CAR 605.84 and the above- referenced Standard.

This AD has been issued by the Continuing Airworthiness Division (AARDG), Aircraft Certification Branch, Transport Canada, Ottawa, telephone (613) 952-4357.

CF-87-01R3 AEROSPATIALE

Applies to all Aerospatiale AS 355E, F, F1 and F2 helicopters equipped with debris guards part numbers 355A58-0519-0201 and 355A58-0519-0301.

Compliance is required as indicated.

There have been several incidents involving single and double engine flameouts when the helicopter has been flown in precipitation at ambient temperatures approaching zero degrees Celsius.

To preclude engine flameouts under the above environmental conditions, accomplish the following:

(A) Before next flight, unless already accomplished, or unless the modification of Paragraph (B) is incorporated:

1) Placard the following flight restrictions to the instrument panel in full view of the flight crew:

a) All flight operations below plus 5 degrees Celsius in ice crystals, rain, mist, drizzle, clouds, or sleet are prohibited.

b) Flight operations in snow above minus 5 degrees Celsius are prohibited.

c) IMC flights below plus 5 degrees Celsius are prohibited.

2) The engine anti-icing system must be operated in visible moisture when the OAT is below plus 5 degrees Celsius.

3) All aircrew are to be briefed and a copy of this Directive is to be placed in the Operating Limitations Section of the Aircraft Flight Manual (AFM).

(B) Not later than October 1, 1988, unless already accomplished, incorporate an auto-ignition or continuous ignition system that is approved or accepted by Transport Canada. The auto-ignition system covered by Aerospatiale Modifications AMS 350A 07-1823, -1905, -1910 and -1920 (Service Bulletin No. 80-02 Rev. 2) is accepted.

NOTES: (1) For helicopters already modified per AMS 350A 07-1823 and -1905, the complementary modifications which correspond to AMS 350A 07-1910 and -1920 must be installed before May 31, 1988 in order to prevent inadvertent operation of the auto-ignition system.

(2) Installation of the Aerospatiale relighting kit requires exclusive utilization of Champion or Auburn igniters P/N 68 77518 or Champion igniters P/N 23006266 with service life limits of 1200 hours for each authorized igniter.

(3) The restrictions of paragraph (A) may be removed once the auto-ignition or continuous ignition system is incorporated.

Alternative means of compliance with the requirements of this Directive may be used only if approved by the Director, Airworthiness Branch, Transport Canada, Ottawa.

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This Revision supersedes Transport Canada AD CF-87-01R2 issued on October 28, 1987 and French (Bureau Veritas) Airworthiness Directive 86-153-31(B) and its revisions.

This Directive becomes effective May 15, 1988.

Pursuant to CAR 202.51 the registered owner of a Canadian aircraft shall, within seven days, notify the Minister in writing of any change of his or her name or address. To request a change of address, contact the Civil Aviation Communications Centre (AARC) at Place de Ville, Ottawa, Ontario K1A 0N8, or 1-800-305-2059, or http://www.tc.gc.ca/civilaviation/communications/centre/address.asp.

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