

Eurocopter AS 355 (Twin Ecureuil) Series Helicopters

AD/AS 355/28
Amdt 2

Installation of Automatic Relighting System

4/88
DM

Applicability: All model AS 355 E, F, F1 and F2 Helicopters.

Requirement: Install the automatic relighting system (for Allison 250 C20F engine) in accordance with the mandatory requirement of Aerospatiale SB 01.18 Rev 2 and accomplishment instructions detailed in Aerospatiale SB 80-02 Rev 2 or other equivalent system acceptable to the Secretary.

Note: DGAC Bureau Veritas AD 86-153-031 (B) R4 Part B refers.

Compliance: For helicopters in IFR and VFR operations prior to further flight after 31 March 1988.

Note 1: The operating limitations detailed in AD 86-153-031 (B) R4 Part A (a) and (b), now incorporated in the Australian Flight Manual, are cancelled on completion of the automatic relight system installation.

Note 2: Compliance with the previous issue of this Directive does NOT satisfy Compliance with this Amendment 2.

Background: Several cases of single and two cases of double-engined flameout have been reported one of which resulted in a fatal accident. These incidents occurred in IMC and VMC but always in high humidity with OAT near zero degrees Celsius. Country of Origin AD 86-153-031 (B) R2 publishes the mandatory requirement to embody an automatic relight system for these a/c in both IFR and VFR operations. This Directive is issued to ensure an automatic relight capability prior to the onset of the 1988 Australian winter when conditions conducive to engine flame-out are most likely to be experienced.

This Directive is amended to reflect Rev 2 to SBs 01.18 and 80.02 and to reference D.G.A.C. Bureau Veritas AD 86-153-031 (B) Rev 4 which incorporate complimentary modifications 350A07-1910 and 1920 to prevent inadvertent operation of the system.