

Eurocopter AS 355 (Twin Ecureuil) Series Helicopters

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**AD/AS 355/10**  
**Amdt 4**

**Main Rotor Mast**

**5/88**

Applicability: All models with main rotor masts P/N 350A37.1076.04, .05 or .06.

- Requirement:
1. (a) Perform the visual check and if necessary, the dye penetrant/inspection called for in Aerospatiale SB 05-08 Rev 2 para's C(1) and C(2).
  - (b) Protect any reworked surfaces in accordance with Aerospatiale SB 05-08 Rev 2 para C(3).
  2. Aerospatiale SB 05-08 Rev 2.

*Note 1: Magnetic particle inspection may be carried out in lieu of dye penetrant and is the preferred technique.*

*Note 2: Bureau Veritas AD 85-94-25(b) and Bureau Veritas AD 83-174-20(b) refer.*

- Compliance:
1. Within 10 hours time in service after 30 November 1985, unless already accomplished.
  2. As detailed in the Requirement Document - Aerospatiale SB 05-08 Rev 2 para D.

Background: A fatigue crack initiated from an undetected corrosion pit on an overseas operated helicopter, and propagated to a critical size in 170 hours time in service. This AD has been amended in accordance with the requirement of Bureau Veritas AD 85-94-25(B) which requires a one time 10 hour inspection of the main rotor shaft. The requirements of Bureau Veritas AD 85-94-25(B) supplement those of Bureau Veritas AD 83-174-20(b), which were noted in the previous issue of this AD. This Amendment incorporates Revision 2 of the Service Bulletin.