

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. : 83-174-20(B)
In case of any difficulty, reference should
be made to the French original issue.

AEROSPATIALE AS 355 HELICOPTERS, ALL MODELS (ECUREUIL II AND TWINSTAR)

**Main rotor mast shaft P/N 350.A.37.1076.04, .05 and .06
Checking for cracks and/or corrosion**

Following the finding on an aircraft in service :

- Of a crack developed from a corrosion point in the rotor mast/MRH thrust flange blending radius,
- Of cracks in the bores connecting the main rotor mast to the main rotor head, developed from fretting corrosion,

the following measures have been rendered mandatory :

A - Check for crack(s) and/or corrosion in accordance with the directives given in Aerospatiale Service Bulletin AS 355 No 05-08, Revision 1 (or subsequent approved revision). These measures are applicable (unless already complied with) :

1. Immediately in the event of sudden or repeated occurrence (less than 10 hours) of a severe tracking defect
2. 2.1 - Within the 50 hours of flight following the 2nd march 1983 for the rotor masts the total operating time of which is greater than or equal to 250 hours on that date.

2.2 - When reaching 300 hours of flight for the rotor masts the total operating time of which is less than 250 hours on the date of 2nd march 1983.
3. Then, at intervals not exceeding 300 hours of flight.

B - Following each of the actions prescribed in paragraph A above and, more generally, following any action made from the effective date of the present airworthiness directive, at location of the nuts on the MRH/rotor mast attaching bolts, visually inspect in the blending radius area for evidence of tool marks, using a dentist's mirror and a light source.

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November 9, 1983

**AEROSPATIALE AS 355 HELICOPTERS,
ALL MODELS (ECUREUIL II AND TWINSTAR)**

Ref. : 83-174-20(B)

If a mark is evidenced or if in doubt, the mast concerned is to be reconditioned before any flight, in accordance with the instructions given in paragraphs 1.C(2)(aa), 1.C2 (ab) and 1.C(3) of Aerospatiale Service Bulletin AS 355 No 05-08, Revision 1 (or subsequent approved revision).

REF. AEROSPATIALE SERVICE BULLETIN AS 355 NO 05-08, REVISION 1 (OR SUBSEQUENT APPROVED REVISION).

This Airworthiness Directive cancels and supersedes Airworthiness Directive 83-31-11(B)

EFFECTIVE DATE : NOVEMBER 16TH, 1983