

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. : 81-184-20 (B)
In case of any difficulty, reference should
be made to the French original issue.

AEROSPATIALE HELICOPTERS AS 350 - ALL MODELS (ASTAR AND ECUREUIL)

TAIL ROTOR - PITCH CHANGE HORN ASSY 350A.12.1368.01 AND .02 INSPECTIONS AND RETIREMENT LIVES

Following several cases of fatigue failures of pitch change horn 350A.12.1368.25 which is part of horn assy 350A.12.1368.01, the following measures have been made mandatory :

A/ - ASSEMBLY 350A.12.1368.01

- 1 - Within the 10 hours of flight following the date at which the present directive has become applicable, except if already complied with in accordance with Aerospatiale Telex Service 01.07 A, remove the pitch change horn for inspections in accordance with the instructions given in Aerospatiale Service Bulletin 01.07.

These inspections include the following steps :

1.1 - On pitch change horn :

- . check for flatness of the horn face in contact with the blade,
- . check for crack(s) by dye penetrant method in the spot faced areas on which the heads of the bolts for pitch change horn attachment rest.

Note : Only the pitch change horns found free of cracks and flatness defect equal to or higher than 1/10 mm in the longitudinal axis shall be installed or reinstalled. The defective horns shall be scrapped.

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Date : Oct. 21, 81

AEROSPATIALE HELICOPTERS AS
Material : 350 - ALL MODELS (ASTAR AND
ECUREUIL)

Reference : 81-184-20 (B)

1.2 - On blade :

Check the horn contact surface for excessive thickness possibility resulting from a flow of adhesive resin or paint or foreign bodies. Excessive thicknesses, if any, shall be eliminated with a non metallic scraper. The inspection shall be performed, complying with the precautions prescribed in Aérospatiale Service Bulletin AS 350 No 01.07.

- 2 - During the inspection following the last flight of the day visually check for crack with a magnifying glass with a magnifying power equal to or greater than X 5 in the area of crack initiation as indicated above (spot faced areas on which the heads of the bolts for pitch change horn attachment rest).

B/ - ON ASSEMBLIES 350A.12.1368.01 AND .02

Comply with the following operating limitations :

1 - Assembly 350A.12.1368.01 :

Duration of operating limit 450 hours. For assemblies having an operating life in excess of 400 hours at 1st july 1981 these shall be withdrawn from service within the 50 hours of operation following this date at the latest.

2 - Assembly 350A.12.1368.02 :

Operating limit date 1250 hours.

Note : Pitch change horn 350A.12.1368.27 is part of assembly 350A.12.1368.02.

Ref. : AEROSPATIALE Service Bulletin AS 350 No 01.07 - Revision 2 or approved subsequent revisions.

DATE OF EFFECTIVITY : The present directive supersedes airworthiness directive 81.108.19 (B) dated 17.06.81 further completed by télégraphic A.D. issued by DGAC/SPACT/TC on 1st july 1981. The date of effectivity, therefore, is that of the previous directives for the measures maintained or october 28, 1981 for new measures.