

AIRWORTHINESS DIRECTIVE

released by DIRECTION GENERALE 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.: 82-077-025(B)R4

In case of any difficulty, reference should be made to the French original issue.

EUROCOPTER FRANCE

AS 350 helicopters

Tail rotor transmission bearings

This Airworthiness Directive applies to :

Non-regreasable bearings SKF P/N 6007.2RS 1 MT 47CA
AS P/N 704A33.651.010

Regreasable bearings AS P/N 704A33.651.143
AS P/N 704A33.651.111

of plain bearings at the aft section of tail rotor transmission installed on AS 350 B, B1, B2 and D helicopters.

Subsequent to some reports of in-service failure of the tail rotor shaft section bearings, which could lead to a loss of the tail rotor drive, and in order to preclude further failures, the following measures are rendered mandatory.

1. CHECKS

Within the next 50 flying hours after the effective date of this Airworthiness Directive for non-regreasable bearings only, if this has not already been done, check that the bearings are square with the shaft and check the condition of the bearings and of the mountings as per paragraph 1C(1) and 1C(2) of referenced AS 350 SB n° 05.08 R4.

For all types of bearings (regreasable and non-regreasable alike) :

- The visual checks as per paragraph 1C(2)(b) of referenced Service Bulletin must be performed (without removal) every 100 operating hours.

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n/W

April 14, 1993

EUROCOPTER FRANCE
AS 350 helicopters

82-077-025(B)R4

- The bearing and mounting condition check as per paragraph 1C(2) of referenced Service Bulletin must be performed every 400 operating hours.
- Referenced Service Bulletin specifies the applicable tolerances and the measures to be taken, according to the findings.

2. GREASING

Within the next 100 operating hours after the effective date of Revision 2 of this Airworthiness Directive and only on aircraft with a drive shaft fitted with regreasable bearings, grease the bearings as per Maintenance Manual work card 12.00.00.305.

3. OPERATING LIMIT

Non regreasable bearings SKF P/N 6007.2RS 1 MT 47CA, AS P/N 704A33.651.010 have a service-life of 1 200 hours.

Ref. : EUROCOPTER FRANCE AS 350 SB n° 05.08 Revision 4

The present Revision 4 replaces Airworthiness Directive n° 82-077-025(B)R3 dated April 15, 1992.

EFFECTIVE DATES :

Original AD and
Revision 1 : JUNE 09, 1982
Revision 2 : MARCH 02, 1991
Revision 3 : APRIL 25, 1992
Revision 4 : APRIL 24, 1993