

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. : 81-70-38(B)  
In case of any difficulty, reference  
should be made to French original issue

AEROSPATIALE HELICOPTERS SA330 PUMA (ALL MODELS)

MAIN ROTOR HEAD - MAIN ROTOR BLADE HORN

EYE BOLT BEARING OF "MRC"

MANUFACTURE P/N 330A.31.9820 (KP 10A) AND 330A.31.9821 (KP 16A)

This directive concerns SA330 Helicopters equipped with main rotor heads :

- P/N 330A.31.0000.05 to .18 included unmodified to AMS 330A.07.43.038
- P/N 330A.31.0020.00 to .04 included unmodified to AMS 330A.07.43.037
- P/N 330A.31.0030.00 to .03 included unmodified to AMS 330A.07.43.037

As the bolt bearings of "MRC" manufacture are generally not equipped with a retainer ring made of steel sheet metal on the grease flange, contrary to "FAFNIR" bearings, cases of damage to these bearings have been observed, due to the loss of the balls through the filling notches. This incident is liable to entail the loss of pitch control on a main rotor blade after severe vibration. In consequence, the following measures have been rendered mandatory :

- Checking the standard of the bearings installed in accordance with FUMA Service Bulletin n° 01.33 and possible replacement either by MRC bearings of even reference equipped with a retainer ring made of steel sheet metal or by "FAFNIR" bearings.

This check shall be performed within the 30 hours of flight after the effective date of this directive.

**NOTE :** In the event of procurement difficulty installation of new "MRC" bearings not equipped with the retainer ring is tolerated for an operating period which does not exceed 50 hours of flight.

The measures subject of the present directive are in addition to those issued by Airworthiness Directives 79-231-28(B) dated 21/11/79 (SB Aerospatiale PUMA n° 65.30) and 80-134-33(B) dated 16/7/80 (SB Aerospatiale PUMA n° 65.38).

Ref. : AEROSPATIALE PUMA SERVICE BULLETIN N° 01.33

EFFECTIVE DATE : APRIL 15th, 1981

Date : APRIL 8th, 1981

Material : AEROSPATIALE HELICOPTERS  
SA330 PUMA(ALL MODELS)

Reference : 81-70-38(B)