



Société Nationale Industrielle
aerospatiale

DIVISION HELICOPTERES

ETABLISSEMENT DE MARIGNANE
B.P. 13 - 13725 MARIGNANE CEDEX - FRANCE
TELEPHONE : (42) 89.90.22

TELEGRAMME
AEROSPATIALE - MARIGNANE

TELEX : AISPA 410 975 F

R.C. SALON 57 B 64
AIX 57 B 119

SIRET 572 094 514 00351
APE 3301

113
DIRECTION APRES VENTE

DIFFUSION/ISSUE
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N.599- 6 5-84

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MARIGNANE, le 20.04.84

SUBJECT : ALOUETTE III and LAMA
ROTOR : Bearing stack in the tail rotor blade pitch change hinge

Handwritten notes in Arabic script, including a signature and the number 17.

Sirs,

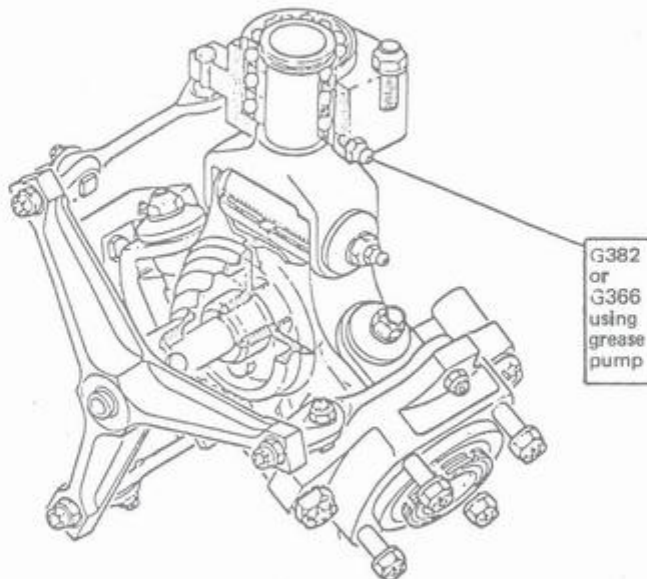
The tail rotor blade pitch change hinge bearings being sensitive to brinelling, we draw your attention on the importance of greasing to preserve the resistance of the hinge. The greasing procedure is described in Work Card 53.20.301.

The deterioration is caused by the low amplitude of the pitch change movements and the formation of fretting corrosion between the balls and the cups ; the degradation is also due to the aggressiveness of the environment (salty atmosphere, sand, etc ...) and to the vibrations caused by rotor unbalance.

For this reason, we think that the operating time of the bearings could be considerably extended by applying the recommendation of paragraph 3 (greasing and rotating the pitch change sleeve, 10 revolutions approx.) at rather short intervals depending on the severity of the operating conditions.

To perform this operation correctly, we remind you that it is necessary to mark the position of the two balance weights of each pitch change sleeve before removal in order to re-install the weights in the original position. Also check that the cup washers are correctly positioned when re-installing the pitch change links.

Greasing without removal is to be carried out after the last flight of the day as requested in the manuals.



We remain, Sirs,

Yours faithfully,

G. BOUDIGNON

M. AYBALEN

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