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Alouette

310
319

For correct identification of the types concerned refer to the basic numbers shown in the Index of Service Bulletins (page 1).

N° 65.101

CLASSIFICATION

SUBJECT : . ROTORS

Improve the setting of hydraulic damper fixed lever excentric.

Corresponds to modification : AM 2048

OFFICIAL APPROVAL

S.G.A.C. Approved
September 23, 1974

REMARKS

This Service Bulletin is based on the "ALOUETTE III" 20th Airworthiness Instruction.

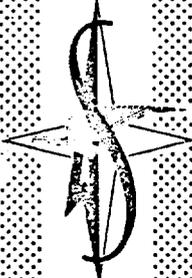
Date : September 23, 1974

N° 65.101
Page 1

Imprimé en F.

AV/MAST N°

SERVICE BULLETIN



MANDATORY

1 - PLANNING INFORMATIONA - EFFECTIVITY

Any main rotor head Part N° 3160S.12.10.000.11 to 14 and 3160S.12.20.000.4 to .7 or lower dash numbers to which modification S296-AM 1108 (Service Bulletin 65-52) has been embodied.

B - REASON

To avoid stressing the fixed lever and so prevent damage to lever bores.

C - DESCRIPTION(1) Removal

(a) Mark the respective position of the three hydraulic drag dampers on the main rotor head. Then remove the dampers (See Maintenance Manual, chapter 57.2).

(b) Remove the lock rings (3), press out the eccentrics (2) and pull out successively the three fixed levers (1).

(2) Fixed lever checks

(a) Degrease each fixed lever and carry out a visual check of the bore condition (no scratches, deep score nor distortion).

(b) Carry out a crack detection (penetrant process), specially in the vicinity of the eccentric housing.

(c) Check for non rotation of the bush into the levers with 66 mm dia. bushed bore (the 2 mm dia. lubricator hole must be in line with the lubricator fitting screwed onto the lever).

NOTE : Replace the unsatisfactory levers which shall be either sent for repair to a specialized workshop or scrapped in case of cracks.

(3) Inspection

Before re-installation of the fixed levers, make sure the droop restrainers (7) are correctly positioned (orientation) and check the tightening torque value (14.7 to 16.7 mdaN) of the spacing nut (5) on the droop restrainer shaft (6) after removal of the retaining ring (4).

(4) Re-assembly

(a) Re-install the fixed levers and the hydraulic drag dampers.

(b) Coat the eccentric with MOLYCOTE "G" compound, then offer it up on the fixed lever setting it by aligning the red dots. Be careful not to engage the eccentric serrations onto the droop restrainer shaft.

(5) Adjustment of serrated eccentrics

(a) Apply a torque of 0.3 mdaN (counter-clockwise) on the eccentric to take up the play.

- S E R V I C E B U L L E T I N
- (b) Visually adjust the serrations in position of insertion while applying, still in the same direction, a torque of 1 to 2.5 mdaN on the eccentric.

WARNING : This operation should correspond to a rotation of one half of serration minimum (5° approx.). If the insertion can be obtained before, then the eccentric must be offered up at the next serration, i.e, try a value of eccentric rotation of 16° max, beyond the play taking-up position obtained under a 0.3 mdaN torque.

- (c) When serration are brought to correct position, slightly tap with a wooden hammer the upper part of the eccentric to insert it until it becomes possible to fit the lock ring.

ATTENTION : After this assembly, it will be necessary to use an extractor to remove the eccentric.

(6) Document up dating

The compliance with this Service Bulletin together with the date of embodiement shall be entered in the aircraft log book and equipment log card.

D - COMPLIANCE

On production line : Immediately

Retrofit action : On receipt of this Service-Bulletin or, at the latest, on October 31, 1974, provided that in the meantime a daily visual inspection is carried out on the drag damper fixed lever at the eccentric attachment hole.

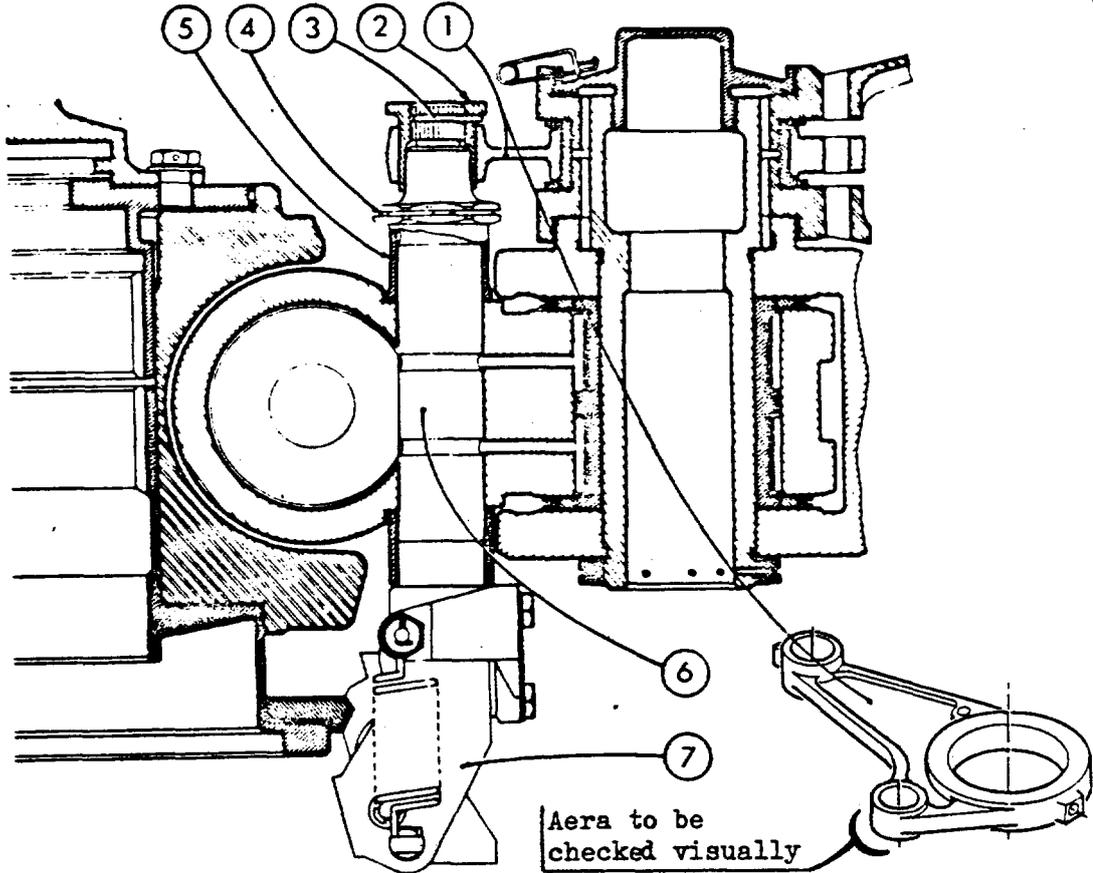
Spare parts : Before putting into service, if application of modification AM 2043 is not mentioned on the equipment log card.

E - APPROVAL

Approved by the Service Technique Aéronautique on September 19, 1974.

Date : September 23, 1974

No 65.101
Page : 3



SETTING OF ECCENTRICS

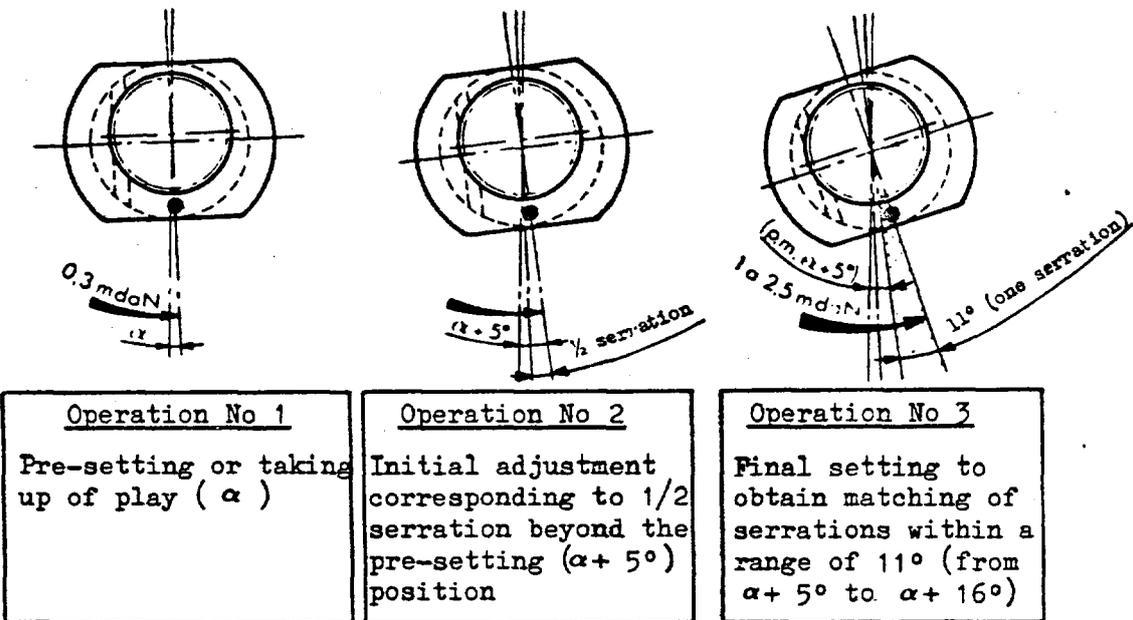


FIGURE 1