

SERVICE BULLETIN



aerospatiale

Alouette 313
316
318
319

No. 05.83

MANDATORY

SUBJECT : TIME LIMITS

Monitoring the Anti-Torque Rotor « Forward » and « Aft » Control Cables.

REMARKS

- This Service-Bulletin supersedes Service-Bulletin No. 01.54 for ALOUETTE III and Telex Service No. 01.53 for ALOUETTE II aircraft, but does not form the subject of an Airworthiness Directive.
- Chapter 5 of the Maintenance Manuals is to be updated.

Corresponds to modification : See NOTE in paragraph 1C(3).

OFFICIAL APPROVAL

D.G.A.C. - approved : July 5, 1989

*Approval by Direction Générale de l'Aviation Civile (D.G.A.C.)
is limited to helicopters subject to Airworthiness Certificate.*

1.- PLANNING INFORMATION

A - EFFECTIVITY

ALOUETTE II and III helicopters, versions 313, 316, 318, 319.
Control cables identified in the table in paragraph 1C(3).

B - REASON

Informing operators :

- (1) of the « on condition check » follow-up requirements for the cables referenced in the table in paragraph 1C(3),
- (2) that the white forward cables are to be scrapped during the next major inspection performed after receipt of this Service-Bulletin.

C - DESCRIPTION

(1) General

The condition of the cables deteriorates for two reasons :

- Winding/Unwinding and vibrations.

The critical areas are located :

- on the swaged endfittings of the tension adjusters and yokes,
- on the guide pulleys,
- on the cable sections wound on the helicoidal drum.

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(2) Check

(a) Operational Procedure

- Clean the cable sheaths using a cloth dampened with solvent (baltane or acetone). (Upwind the cable to operate the pedal unit from stop to stop).
- Check the condition of the cables, especially in the critical areas mentioned in paragraph 1C(1).

NOTE : *This check shall be performed by unwinding the cable to operate the pedal unit from stop to stop.*

(b) Interpretation of Results

Scrap all cables with :

- a broken strand,
- even opaque blackened areas over a length of more than 10 mm.

(3) Control Cable Concerned

Description	Part Number	Effectivity	TBO	Remarks
Forward cables (pre Mod. 2247)	3130S88.10.020.1 3130S88.10.030.1	313 - 318	On condition	IMPORTANT Fwd. white cables* must be scrapped during the next major inspection (2400 hours). *Colour of cable inside the sheath.
	3160S88.10.046.3 3160S88.10.047.3	316	On condition	
	319A88.10.010.3 319A88.10.020.3	319		
Aft cable (pre Mod. 2247)	3130S88.10.040.1	313 - 318	On condition	
	3160S88.10.045.3	316 - 319		
Forward cables (post Mod. 2247)	3130S88.10.020.2 3130S88.10.030.2	313 - 318	On condition	Cables modified per AMS 2247 are identified by the letters «LC» marked on the ends.
	3160S88.10.046.4 3160S88.10.047.4	316	On condition	
	319A88.10.010.4 319A88.10.020.4	319		
Aft cable (post Mod. 2247)	3130S88.10.040.2	313 - 318	On condition	
	3160S88.10.045.4	316 - 319		

NOTE : *Modification «AMS 2247» (control cables with monitored quantity of internal lubricant) was approved by the French Official Authorities (STPA) on January 18, 1989.*

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D - COMPLIANCE

AEROSPATIALE considers compliance with this Service-Bulletin to be MANDATORY.

On production line : Not applicable.

Retrofit action : (1) Every type T inspection, perform the check described in paragraph 1C(2).
(2) During the next major inspection (GV) performed after receipt of this Service-Bulletin scrap the white forward cables. (Refer to IMPORTANT note in the table in paragraph 1C(3).

Spares : Comply with the instructions given in this Service-Bulletin after putting a cable into service.

E - APPROVAL

Approved by the French Civil Aviation Authorities (D.G.A.C.), on July 5, 1989.