

**H***Alouette*313  
316  
318  
319

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

N° 05.69

## CLASSIFICATION

**SUBJECT : TIME LIMITS**

Inspection of forward transmission deck attachments.

**REMARKS**This Service Bulletin forms the subject of the :  
41 st Airworthiness Directive ALOUETTE II  
and  
43rd Airworthiness Directive ALOUETTE III

Corresponds to modification : cf. paragr. 1A.

OFFICIAL APPROVAL

D.G.A.C. approved  
December 15, 1980**1 - PLANNING INFORMATION****A - EFFECTIVITY**

ALOUETTE II - ALOUETTE III aircraft of all versions prior to embodiment of modification AM 2195 (Reinforcement of transmission deck forward portion).

**B - REASON**

To ascertain that there are no cracks or deformation at the transmission deck forward attachments.

**C - DESCRIPTION (See Sheet 1)**

In order to avoid that the development of fatigue cracks at the forward attachment clamps P/No 55212.280 BGZ of the 'Z' stringer of transmission deck leads to sagging of the transmission deck in the fixing area of the flying control relay lever support, embodiment of the following measures is now mandatory :

**(1) Preliminary steps**

- Remove the fuel tank (chapter 28 of Maintenance Manual refers).
- Remove clamp attachment bolts 55212.280 BGZ at the forward portion of the transmission deck and move the clamps to facilitate inspection.

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SERVICE BULLETIN

H/AV/MAST N° 4 A

MANDATORY

★ SOCIÉTÉ NATIONALE INDUSTRIELLE *aérospatiale* ★

★ DIVISION HÉLICOPTÈRES - SERVICE TECHNIQUE APRÈS-VENTE - Boîte Postale 13 - 13722 MARIGNANE (FRANCE) ★

(2) Inspection under the transmission deck

At the forward attachment clamps :

- (a) visually check that there are no cracks or deformation on the lower side of the stringer.
- (b) Make sure that there are no cracks in the inner bending radius of the stringer, by carrying out a die penetrant inspection.

(3) Interpretation of results(a) On aircraft having received partial embodiment of Service Bulletin No 53.32

(suppression of the relay lever support attachment lug at cluster 8M of the welded main structure with addition of 2 central clamps).

## (aa) If no crack or deformation is found :

- restore the transmission deck installation in compliance with Service Bulletin No 53.32 (addition of 2 central clamps).

## (ab) If cracks or deformation are found :

Before undertaking the next flight :

- replace the 'Z' stringer by a stringer with the same P/No
- or
- replace the transmission deck.

CAUTION

1- See IMPORTANT NOTE in paragr. 1D.

2- Regardless of the solution embodied, restore the correct mounting of the transmission deck, through adding 2 central clamps upon the first inspection.

(b) On aircraft with complete embodiment of Service Bulletin No 53.32 or without embodiment of this Service Bulletin

If cracks or deformation are found :

- Replace the 'Z' stringer by a stringer with the same P/No
- or
- Replace the transmission deck.

CAUTION

See IMPORTANT NOTE in paragr. 1D.

(4) Reconditioning

- Refit and tighten the forward transmission deck attachment clamps.
- Re-install the fuel tank (chapter 28 of Maintenance Manual refers).

D - COMPLIANCE

On production line : not applicable

Retrofit action : (1) - At the end of the next 10 flying hours following receipt of this Service Bulletin for aircraft, the operating hours of which since new or since the latest overhaul are  $\geq 390$ ,

then

- At time intervals not exceeding 400 flying hours.

- (2) - At the end of 400 hours for aircraft the operating hours of which since new or since latest overhaul are  $< 390$ .

then

- At time intervals not exceeding 400 flying hours.

Spare parts : : Not applicable.

**NOTE :**

Enter application of the first inspection in the aircraft documentation.

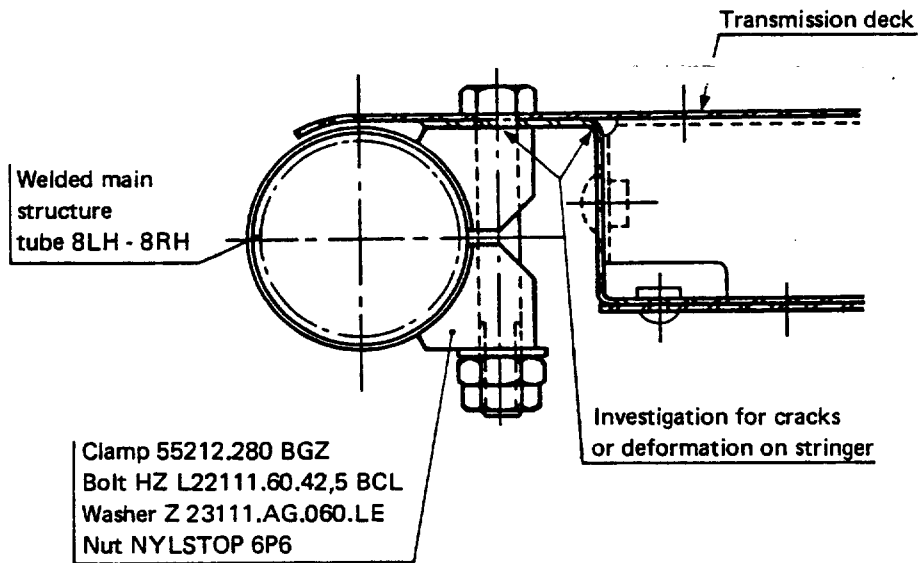
**IMPORTANT NOTE**

This Service Bulletin loses its effectiveness after embodiment of modification AM 2195 dealt with in Service Bulletin :

No 53.35 for ALOUETTE II a/c  
No 53.36 for ALOUETTE III a/c.

**E - APPROVAL**

Approved by French Official Services on December 15, 1980.



**FORWARD TRANSMISSION DECK ATTACHMENTS**

SHEET 1

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