

AIRWORTHINESS INSTRUCTION

established by the "Secrétariat Général à l'aviation Civile".

The inspections or modifications described herunder are imperative. Non observance of Airworthiness Instructions causes suspension of the validity of the Airworthiness Certificate (order dated Sept. 6, 1967 - Art : 17).

SE 3160 - ALOUETTE III (*)

I - TAIL BOOM

A - The service life of certain tail boom components (see table) is determined by this Airworthiness Instruction as follows :

- Tail booms 3160-23-11.000 to 3160-23-11.000.6 (see items 1 - 2 - 3 in table),
- Tail booms 3160-23-11.000.7 to 3160-23-11.000.8 (see item 3 in table).

	Description		Part number	Service life
1	Tail boom reinforcing elements	L.H.	3160-23-11.075	1200 hours
		R.H.	3160-23-11.076	
2	Forward upper yoke assemblies	L.H.	3160-23-01.010 3160-23-11.010	1200 hours
		R.H.	3160-23-01.020 3160-23-11.020	
3	Rear upper fitting assemblies	L.H.	3160-23-11-040 3160-23-11.350	1200 hours
		R.H.	3160-23-11.050 3160-23-11.360	

(*) Paragraph IV (Page 2) concerning hoists AE 75.300 may also concern the SE 3130 Alouette II and S.A. 3180 Alouette Astazou helicopters.

Sud Service Bulletin 05-22 deals with the same subject.

- B - Replacement of tail boom forward upper attachment fittings (items 1 and 2 above) by reinforced attachment fittings in accordance with AM 1155/S 298 (wide flanged doublers and steel yoke assemblies) is imperative when the operating time of booms reaches 1200 flying hours.

This replacement is dealt with in Sud Service Bulletin 53-13.

- C - Replacement of rear fitting assemblies (item 3 above) by fitting assemblies of the same type is allowed once only at the expiration of 1200 hours. Modification AM 1140 provides for later replacement of the rear part of the boom by a n° 8 frame machined from stock.

- D - The service life of tail booms with all these modifications incorporated will be specified later.

II - BODY STRUCTURE (Ref. 3160-22-11.000)

Body structures with a 6 D (R.H.) cluster reinforced in accordance with modification AM 1191, are not subject to the dye penetrant inspection specified in Airworthiness Instruction 67-31-6, every 150 hours from 1200 hours on.

III - TAIL ROTOR GEARBOX

To complete the first paragraph of Airworthiness Instruction 67-27-5, concerning checking of correct installation of control screw and modification status of tail rotor gearbox, it has been decided to give imperative instructions for manual checking of control rod axial play after changing a tail rotor gearbox or a tail rotor head and during daily inspection.

Sud-Service bulletin 65-34 - revision 1 - deals with this subject.

IV - AIR EQUIPMENT HOIST 76-300

It is necessary to correct the fourth paragraph of Airworthiness Instruction 67-27-5, which should refer to Sud-Service Bulletin 25-32 (instead of 25-33) concerning the application of modifications AM 1173/S 326 (hoists installed on Alouette III) or AM 846 (hoists installed on Alouette II and Alouette Astazou).