

SERVICE LETTER NO. 74-3

DATE: JULY 22, 1974

SUBJECTS: ITEM 1. FLAP SWITCH BOOT INSTALLATION
ITEM 2. NOSE STRUT LENGTH INCREASE
ITEM 3. CONTROL SURFACE TORQUE TUBE REPAIR
ITEM 4. AVCO LYCOMING SERVICE PUBLICATIONS

SERIALS AFFECTED: AS INDICATED ON EACH SUBJECT.

TIME OF COMPLIANCE: AS INDICATED ON EACH SUBJECT.

GENERAL

This Service Letter provides information concerning the subject items listed above and recommends compliance as indicated. These items include engineering improvements that have been incorporated on current production aircraft, suggested repair methods and vendor service publications.

ITEM 1. FLAP SWITCH BOOT INSTALLATION

SERIALS AFFECTED: All Model AA-1 and AA-1A, AA1B-0001 through AA1B-0237 and AA5-0001 through AA5-0405.

TIME OF COMPLIANCE: At owner's discretion.

To prevent contamination of the flap switch internal electrical contacts, a rubber boot has been installed between the flap handle lever and the switch. This Boot, part number N1030B, may be installed on the earlier aircraft listed above, by unscrewing the flap handle and installing the boot. Lock Tite Screw Lock Sealant or equivalent should be applied to the flap switch lever screw threads, before installing the flap handle.

ITEM 2. NOSE STRUT LENGTH INCREASE

SERIALS AFFECTED: All Model AA-1 and AA-1A, AA1B-0001 through AA1B-0189, AA1B-0191 through AA1B-0195, AA1B-0197 through AA1B-0201, AA5-0001 through AA5-0376, AA5-0381 through AA5-0384 and AA5-0386 through AA5-0388.

TIME OF COMPLIANCE: At owner's discretion.

Additional propeller clearance may be obtained on the above listed aircraft by installing the current production Nose Strut Assembly, part number 702057-506. This strut assembly has a one inch increase in length in the area above the fork turn limit stop and may be used to replace all previous struts. If installation is intended, the applicable Service Manual should be consulted, concerning removal of the existing strut and installation of the new strut.

ITEM 3. CONTROL SURFACE TORQUE TUBE REPAIR

SERIALS AFFECTED: All Model AA-1, AA-1A, AA-1B and AA-5 aircraft.

TIME OF COMPLIANCE: When aileron, elevator or rudder torque tubes show a decrease in wall thickness, due to wear in the bearing areas.

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The aileron, elevator and rudder control surface torque tubes may be returned to service, due to wear in the bearing areas, by installation of Service Kit No. SK-121, if the decrease in wall thickness has not exceeded .030 inches. Wear greater than .030 inches necessitates replacement of the control surface.

Service Kit No. SK-121, Control Surface Torque Tube Repair Kit, provides instructions and material required to repair all worn torque tubes on one aircraft. The modification requires removal of the control surface and installation of a stainless steel sleeve over the original worn bearing surface area on the torque tube. The Kit contains new bearings and spacers with slightly larger bore to compensate for the larger diameters of the stainless steel repair sleeve. One (1) Kit should be ordered for each aircraft that requires modification.

ITEM 4. AVCO LYCOMING SERVICE PUBLICATIONS

SERIALS AFFECTED: All Model AA-1, AA-1A, AA-1B and AA-5 aircraft.

TIME OF COMPLIANCE: As indicated in each publication.

Included for your information are copies of five (5) Avco Lycoming Service Publications. Publication type, number and subject are listed below:

- 1.) Service Bulletin No. 366, Carburetor Throttle Body Screw Inspection.
- 2.) Service Bulletin No. 374, Fuel Pump Inlet Inspection.
- 3.) Service Letter No. L180, Engine Preservation for Active & Stored Aircraft.
- 4.) Service Instruction No. 1070F, Specified Fuels.
- 5.) Service Instruction No. 1278, Starter Drive Lubrication.

Compliance, as indicated in the respective Publication, is recommended.

PARTS INFORMATION SUMMARY

	<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>PRICE</u>
ITEM 1.	1	N1030B	Boot	\$ 1.00 (E)
ITEM 2.	1	702057-506	Strut Assy.	119.20 (E)
ITEM 3.	1	SK-121	Control Surface Torque Tube Repair Kit	45.00 (E)
ITEM 4.	N/A	N/A	N/A	N/A

Parts required for the above modifications are available from your authorized Grumman American Aviation Corporation Dealer.

Since the subjects covered in this Service Letter are design improvements and normal service items, no parts or labor allowance will be available for compliance with any item of this Service Letter.

Prices are subject to change without notice.

Very truly yours,

GRUMMAN AMERICAN AVIATION CORPORATION

Paul H. Seibert
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Distribution (A)
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