

SERVICE BULLETIN NO. 127A
SUPERSEDES SB NO. 127

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DATE: July 19, 1974

SUBJECT: Control Cable Inspection

SERIALS AFFECTED: All Model AA-1 and AA-1A, AA1B-0001 through AA1B-0049
and AA5-0001 through AA5-0209.

TIME OF COMPLIANCE: At each scheduled inspection

We have received a report of an aircraft with over 1,400 hours time in service in which a rudder cable failed during ground operation. Failure occurred where the rudder cable passes under the pulley forward of the center section spar. Subsequent inspection of other affected aircraft has revealed some instances of fraying of the rudder cables in this pulley group and also at the aft pulley group on the affected Model AA-5 aircraft.

As covered in the applicable Aircraft Service Manual, all control cables should be inspected at each scheduled inspection, however, in view of the above mentioned failure, it is apparent that all aircraft are not being thoroughly inspected. To prevent the possibility of additional failures, the following must be accomplished at each scheduled inspection:

1. Thoroughly clean all control cables with a clean dry cloth where they pass under the pulley group forward of the center section spar and also at the aft pulley group on the Model AA-5 aircraft. Do not clean with a solvent.
2. Inspect all cables in accordance with AC43.13-1, Par. 198, paying close attention to the rudder cables. Acceptable wire strand breakage limits are a maximum of four (4) wires per cable. Cables with more than the acceptable number of broken wires must be removed from service.

N O T E

In order to adequately inspect the cables, it will be necessary to actuate the controls to the full extent of travel to expose the cable/pulley contact area for examination.

This information will be added to the next subsequent revision of each applicable Service Manual.

GRUMMAN AMERICAN AVIATION CORPORATION

PHS:jz

Distribution (A)

REVISION "A" ADDS AA1B-0001 THROUGH AA1B-0049 AND AA5-0001 THROUGH AA5-0209 TO THE SERIALS AFFECTED.