

SERVICE

SERVICE BULLETIN NO. 140

DATE: December 14, 1973

SUBJECT: ELT ANTENNA RIVET CHANGE

SERIALS AFFECTED: AALA-0330 through AALA-0470
AALB-0001 through AALB-0325
AA5-0001 through AA5-0491

TIME OF COMPLIANCE: At the next scheduled inspection, but not later than April 30, 1974

GENERAL

Corrosion has been detected on aircraft in the field between the ELT antenna mounting brackets and the skin on the vertical stabilizer. The purpose of this Service Bulletin is to provide the necessary instructions to remove the ELT antenna, clean and corrosion proof the mating surfaces and reinstall the antenna with Monel rivets.

MODIFICATION

1. Drill out rivets on ELT antenna mounting brackets with #30 (.1285 dia.) drill.
2. Carefully slide antenna away from stabilizer making sure enough slack is available in antenna cable to prevent damage. If additional slack is required, remove left side inspection cover under vertical stabilizer, place ELT switch in "OFF" position and disconnect antenna cable.
3. Remove and neutralize all corrosion on brackets and stabilizer mating surfaces per AC43.13-1A, paragraph 250.
4. Mask off vertical stabilizer leaving bracket mounting areas exposed.
5. Spray a coat of zinc chromate on bracket mounting areas on stabilizer and on mounting surfaces of antenna brackets.
6. Reinstall antenna using (16) #MD419BS USM Monel rivets. (approved alternate is Cherrylock #CR2563M4-1).
7. Connect ELT antenna cable, move ELT switch to "ARM" position and reinstall inspection cover.

NOTE: RIVETS MUST MAKE GOOD ELECTRICAL CONTACT WITH OUTSIDE SURFACES OF MOUNTING BRACKETS AND INSIDE SURFACE OF STABILIZER SKIN FOR PROPER ANTENNA GROUNDING.

PARTS INFORMATION

Rivets - part number MD419BS, price \$.04 (E) ea., (16) required, will be available for each affected aircraft at no charge from your authorized Grumman American Aviation Corporation Dealer until April 30, 1974. After that date, they will be available at normal price.

CREDIT INFORMATION

A labor credit allowance of 1.0 hour at the Dealer's Prevailing Shop Rate will be available for this modification on all affected aircraft in or out of warranty.

All work must be performed or authorized by a Grumman American Aviation Corp. Dealer or representative and a completed Warranty Claim Form No. GAA-740, submitted to the factory prior to June 1, 1974, for credit allowance.

Prices subject to change without notice.

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Distribution (B)

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