

DATE: August 2, 1971

SUBJECT: Battery Box Cover Modification

SERIALS AFFECTED: AAL-0137 thru AAL-0457, AALA-0001 thru AALA-0132

TIME OF COMPLIANCE: At next scheduled inspection, or sooner at owner's discretion.

### General

It has been noted on some aircraft in the field that the battery box cover may be distorted when the cover clamp is drawn down, and in other instances, inadequate clearance has been found between the cover and battery filler caps. Investigation revealed that the pads inside the cover were slightly short and were not contacting the battery properly.

To insure that the cover is holding the battery securely and adequate clearance between the cover and battery fill caps exists, it is recommended that the cover be modified as shown on Figure 1. Strips (Part Numbers 10219-1 and 10219-2) can be fabricated from .125" Royalite, Cyclocac, Plexiglas or wood, or they may be obtained from your authorized American Aviation Corporation Dealer at no charge until March 1, 1972. See Figure 1 for strip dimensions.

### Modification (Figure 1)

1. Remove the battery box cover.
2. Clean the battery box cover pads with isopropyl alcohol and allow to dry thoroughly.
3. Cement the strips to the battery box cover pads with contact cement or two-part epoxy adhesive and allow to dry.
4. Check dimension from inside top of cover to bottom of pads. This dimension must be .90" min. as shown on Figure 1.
5. Check battery filler caps to assure they are tight.
6. Position battery box cover over battery and check clearance between inside top of cover and filler caps. Clearance should be 0.10" minimum.
7. Check condition of sponge rubber gasket on inside of cover. If gasket is deteriorated or does not contact battery box due to installation of strips, shim or replace with new gasket (#4104 Foam Tape-3M Co.).
8. Install battery box cover.

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AMERICAN AVIATION CORPORATION

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