

SERVICE LETTER

Stinson Division
Consolidated Vultee Aircraft Corporation
Wayne, Michigan

TO: Stinson Distributors and Dealers

LETTER NO. 71

TITLE: Care of Battery and Battery Box

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DATE: March 18, 1948

Gentlemen:

Reports received from the field indicate that in many cases batteries and battery boxes are not receiving the attention which they deserve in order to eliminate costly replacement charges.

Inasmuch as we have installed both the Exide and Willard batteries in our 108 series airplanes, we will include in this letter both specific instructions for each type of battery and general instructions which will apply to both types.

GENERAL INSTRUCTIONS

Check the battery after each 25 hours of operation. Keep the battery filled with distilled water, or with fresh, drinkable water. Brush off dirt with a stiff bristle brush. Wipe the battery with a cloth dampened with ammonia water. Rinse the battery with water. Keep the vent holes clear. After the battery has dried, coat the battery and the terminals with thin grease or vaseline.

Each time the battery is filled with water test the battery with a hydrometer. A fully charged battery has a specific gravity of 1.275 to 1.300. A specific gravity of 1.240 indicates that the battery is 1/3 discharged, a reading of 1.200 indicates that the battery is 2/3 discharged and 1.150 indicates it is completely discharged.

It is also extremely important, on those airplanes equipped with a battery box, to be certain that the box is clean and that the drain line is clear.

EXIDE BATTERIES

Fill to a level 1/2 inch above the plates.

WILLARD BATTERIES

Fill to a level equal to the position of the perforated horizontal baffles plate.

Yours very truly,
Consolidated Vultee Aircraft Corporation

George Martin
Service Manager

GM/ds