

# SERVICE BULLETIN

STINSON DIVISION

TITLE: Fuel Gauge Modification

BULLETIN NO. 251

MODELS AFFECTED: 108 (Voyager and Flying Station  
Wagon) Serial Numbers 108-1  
through 108-41, 108-43, 108-287,  
through 108-2849.

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DATE: June 27, 1947

Gentlemen:

We have found in some airplanes a definite indication of interference between the gas gauge tank unit float arm and the cast aluminum adapter in which the gas gauge tank unit is mounted. This interference prevents the fuel gauge from properly registering the quantity of fuel in the tank. To remedy this condition the following modification is recommended:

Drain the fuel from the tank and remove the fuel gauge tank unit from the bottom of the tank. It will not be necessary to remove the fuel tank from the wing as the fuel gauge tank unit is mounted directly over an inspection hole in the bottom of the wing.

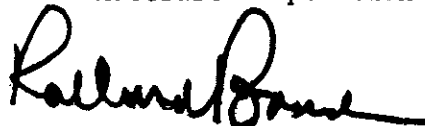
Increase the inside diameter of the cast aluminum adapter in the tank by filing .06 inches from the inside of the ring in the region of the float arm (See Illustration on Page 2). The area to be filed will be self-evident upon inspection inasmuch as the tank unit will only fit the adapter in one way.

When the fuel gauge tank unit is reinstalled be certain to replace the gasket, part number 108-1121126.

Airplanes serial 108-2850 and up were modified at the time of manufacture.

Yours very truly,

STINSON DIVISION  
Consolidated Vultee Aircraft Corporation



Rolland Boardman  
Service Manager

HB:df

Note: This bulletin originally written and signed by George Martin.

**IMPORTANT:** File cast aluminum adapter using downward stroke only. Do not allow file to contact adapter on upward stroke.

