



AVStar Fuel Systems, Inc.
1365 Park Lane South
Jupiter, FL 33458

www.avstardirect.com

SERVICE BULLETIN

DOCUMENT: AFS-SB2

REVISION: ORIGINAL

THE USE OF AVSTAR'S BRASS FLOATS IN THE OVERHAUL & REPAIR OF CARBURETORS

ISSUED: AUGUST 06, 2009

PAGE: 1 OF 3

Service Bulletins are advisory documents issued by a type certificate holder. They are NOT issued or enforced by the FAA. Information contained in a Service Bulletin may or may not be incorporated entirely at the customer's discretion.

1. APPLICABILITY

This Service Bulletin applies to all float type aircraft carburetors manufactured by Volare Carburetors, Precision Airmotive Corporation, Facet Aerospace Products Company and Marvel-Schebler (Borg Warner). Such carburetors are referred to later in this Bulletin as applicable carburetors.

2. REASON FOR PUBLICATION

Flight Safety Service Bulletin SB-2 was published by Volare Carburetors, LLC. on February 1, 2009 titled "The Required Replacement of Foam and Hollow Floats". It advises the replacement of all floats installed in the applicable carburetors with the latest design of float produced by Volare. It also erroneously claims that all other float designs jeopardize the performance and safe operation of the applicable carburetors.

An earlier Mandatory Service Bulletin (MSA-13) was issued by Volare's predecessor, Precision Airmotive Corporation on January 30, 2008. This Bulletin did not contain the same error – it correctly stated - ***"This Bulletin does not apply to carburetors containing floats manufactured by other FAA-PMA approved sources. Continued airworthiness instructions for those non Precision Airmotive/Facet floats should be obtained from the manufacturer"***. Since the publication of MSA-13, the FAA has not issued any airworthiness statements that in any way alter the above.

This Bulletin is published to address the error made in SB-2 and eliminate confusion regarding the choice of float that can be used in the overhaul and repair of applicable carburetors.



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AVSTAR FUEL SYSTEMS, INC. MANUFACTURES FAA-PMA APPROVED BRASS FLOATS SPECIFICALLY FOR INSTALLATION IN THE APPLICABLE CARBURETORS. FAA APPROVAL OF THESE FLOATS UNDER FAR 21.303 WAS GRANTED ONLY AFTER VALIDATION THAT THE PARTS MEET OR EXCEED THE FORM, FIT AND FUNCTIONAL CHARACTERISTICS OF THE ORIGINAL EQUIPMENT MANUFACTURER'S PARTS. INSTALLATION OF THESE FLOATS DURING THE OVERHAUL OR REPAIR OF AN APPLICABLE CARBURETOR MEETS ALL FAA REQUIREMENTS.

3. COMPLIANCE

Compliance with the *intent* of Volare Carburetor's Flight Safety Service Bulletin SB-2 can be achieved by ensuring that an FAA-PMA approved brass float manufactured by AVStar Fuel Systems, Inc. is correctly installed. Other parts manufactured by AVStar are also FAA approved replacements for any parts used in applicable carburetors.

To determine the type of float installed in a carburetor, all engine information, the aircraft logbook or other aircraft documentation should be carefully examined for positive evidence of identification. If successful, and the carburetor contains an FAA-PMA brass float manufactured by AVStar Fuel Systems, Inc., a logbook entry should be made defining the float type and part number, and also that "Volare Flight Safety Service Bulletin SB-2 is not applicable, refer to AVStar Fuel Systems' Service Bulletin AFS-SB2".

If unsuccessful, comply with the *intent* of Volare Flight Safety Service Bulletin SB-2 by installing a new or airworthy brass float and any other parts manufactured by AVStar Fuel Systems, Inc.



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PLEASE NOTE:

Carburetors overhauled by AVStar Fuel Systems, Inc. are clearly marked on the Data Plate to identify the type of float used as follows –

MF = Metal (brass) Float manufactured by AVStar

FF = Foam Float (the latest design of float produced by Volare)

4. REFERENCE

Volare Carburetors LLC. Flight Safety Service Bulletin SB-2.

5. WARRANTY STATEMENT

There is no warranty associated with this Service Bulletin. This publication does not imply or state any responsibility for the workmanship of any person or entity performing work or maintenance on any model carburetor, fuel system, engine or aircraft. ***The proper use of FAA-PMA approved airworthy parts in no way constitutes a total waiver of liability for any party.*** All parties retain liability, including product liability to the extent of their responsibilities under applicable law.