



AVStar Fuel Systems, Inc.  
1365 Park Lane South  
Jupiter, FL 33458  
[www.avstardirect.com](http://www.avstardirect.com)

## SERVICE BULLETIN

### THE INSPECTION OF FLOAT CLEARANCES IN ALL MA SERIES CARBURETORS

DOCUMENT: AFS-SB3

REVISION: ORIGINAL

ISSUED: AUGUST 06, 2009

PAGE: 1 OF 2

***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 model MA- 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

Service Bulletin SB-4 was published by Volare Carburetors, LLC. on March 13, 2009 titled "Bowl Clearance – MA- Series Carburetors". It lists a number of adverse engine performance conditions and their possible symptoms. It then advises that particular attention be paid to carburetors fitted with brass floats - further advising that they should be replaced only by floats produced by Volare to their latest design. The specific issue cited against a brass float is the potential for it to stick because of contact with the sides of the carburetor bowl.

***AVStar Fuel Systems, Inc. has released this Service Bulletin AFS-SB3 to clarify that while it fully supports any action or advice that enhances the safety of aircraft using the applicable carburetors, the intent of Volare's Service Bulletin SB-4 can be fully complied with using the FAA-PMA approved brass floats manufactured by AVStar. Further, the specific issue of a float sticking applies to floats of all types.***

***Careful and accurate alignment of a carburetor float is an essential part of any overhaul or repair process. Following correct installation and alignment, AVStar's brass floats continuously perform to specification.***



AVStar Fuel Systems, Inc.  
1365 Park Lane South  
Jupiter, FL 33458  
[www.avstardirect.com](http://www.avstardirect.com)

## SERVICE BULLETIN

### THE INSPECTION OF FLOAT CLEARANCES IN ALL MA SERIES CARBURETORS

DOCUMENT: AFS-SB3

REVISION: ORIGINAL

ISSUED: AUGUST 06, 2009

PAGE: 2 OF 2

***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 Service Bulletin SB-4 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.

After completion, a statement should be entered in the aircraft logbook stating that the intent of Volare Carburetor's Service Bulletin SB-4 has been complied with using FAA-PMA parts as described in AVStar Fuel System's Service Bulletin AFS-SB3

### 4. REFERENCE

Volare Carburetors LLC. Service Bulletin SB-4.

### 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.