



Marvel-Schebler[®] Aircraft Carburetors, LLC

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SUBJECT – DATA TAGS

1. **Applicability:** MA-3TM, MA-4TM, MA-4-5TM, and HA-6TM float carburetors manufactured by Marvel-Schebler[®] Aircraft Carburetors, LLC (“Marvel-Schebler”) and its predecessors in interest Volare Carburetors, Precision Airmotive Corporation, Facet Aerospace Products Company, and Borg Warner. (Hereinafter “Marvel-Schebler[®] Float Carburetors”).
2. **Reason:** Marvel-Schebler[®] is issuing this service bulletin to make engine manufacturers, mechanics, over-haulers, owners, and operators of Marvel-Schebler[®] Float Carburetors aware that legitimate data tags have been removed from Marvel-Schebler[®] Float Carburetors and replaced with data tags displaying the name of another manufacturer. It is not known by Marvel-Schebler[®] at this time how many carburetors or what models are affected.
3. **Background:** Figure 1 shows a data tag on a HA-6TM Marvel-Schebler[®] Float Carburetor that identifies a company that did not manufacture the carburetor. Although a HA-6TM carburetor is shown in Figure 1, the issue of misleading data tags also involves other Marvel-Schebler[®] Float Carburetors, including MA-3TM, MA-4TM, and MA-4-5TM models. A customer reported that the carburetor shown in Figure 1 was received on a factory overhauled Lycoming engine. Improperly marked carburetors may also be reaching the marketplace in other ways.

WARNING: Obscuring the identity of a carburetor’s actual manufacturer may result in failure to comply with applicable Airworthiness Directives, Service Bulletins, or other critical maintenance publications intended to ensure the continued airworthiness of Marvel-Schebler[®] Float Carburetors because misleading data tags may result in the misidentification of a Marvel-Schebler[®] Float Carburetor as the product of another manufacturer to which the AD note, Service Bulletin or other publication is not directed. Failure to comply with applicable Airworthiness Directives and Service Bulletins could lead to property damage, injury, death, and/or violations of FAA regulations.

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Ownership of the Marvel-Schebler[®] carburetor design has legitimately passed through the hands of the entities listed in the Paragraph 1 of this bulletin. The names or symbols of the legitimate manufacturers of Marvel-Schebler[®] Float Carburetors appeared on the carburetor bodies of MA-3[™], MA-4[™], and MA-4-5[™] models. The carburetor manufacturer's name did not appear on HA-6[™] carburetor bodies. However, a mold number (10-B175) appears on the bottom of legitimate die cast HA-6[™] models. HA-6[™] carburetors machined from billet can be identified by their golden color, smooth machined finish and multifaceted appearance.

4. **PROCEDURE:** Within the next 30 days after the original date of issue of this service bulletin, inspect the data tags of carburetors obtained, overhauled, or produced since 2000 to determine if they display the name of the carburetor's actual manufacturer. Any carburetor manufactured by Marvel-Schebler[®] or its predecessors having a data tag that displays the name of a carburetor manufacturer other than Tempest/Marvel-Schebler[®] or one of Marvel-Schebler's legitimate predecessors listed in Paragraph 1 should be immediately removed from service and be replaced with a properly identified, serviceable carburetor.

Note: Serial numbers assigned to various Marvel-Schebler[®] Float Carburetor models are known to have been used on misleading data tags. Marvel-Schebler[®] does not know how these numbers relate, if they do, to the model of the carburetor to which the data tags are attached. Thus, it may be difficult or impossible to determine which AD notes, Service Bulletins, or parts lists relate to these carburetors by relying on the serial numbers on the misleading data tags. Additionally, the 10-XXXX (ten-dash) part number stamped on some ersatz tags may not correspond with the actual configuration of the carburetor to which the tag is attached. The carburetor configuration of the carburetor shown in Figure 1 did not correspond to the 10-XXXX number on the tag.

No data tag attached to a Marvel-Schebler[®] Float Carburetor should ever display the name of a carburetor manufacturer other than Tempest/Marvel-Schebler[®] or one of Marvel-Schebler's legitimate predecessors shown in Paragraph 1.

5. **Voiding of Warranty and Waiver of Liability:** Operation of a Marvel-Schebler[®] Float Carburetor that bears a data tag displaying the name of a carburetor manufacturer other than Tempest/Marvel-Schebler[®] or its predecessors, or operation of a Marvel-Schebler[®] Float Carburetor in which other than genuine Marvel-Schebler-approved parts are installed **voids any otherwise applicable warranty and constitutes a complete and total waiver** to the extent permitted by law of any and all rights the owner, operator and/or service facility or repairer may have had to hold Marvel-Schebler[®] responsible or liable for the malfunction or failure of such an aviation carburetor.

Manufactured By:



6. **Safety First:** Marvel-Schebler® is a customer-service oriented company committed to technical innovation in pursuit of aviation safety. While Marvel-Schebler® has no authority to compel owners to act responsibly and take prudent action to insure their own safety and the safety of others, Marvel-Schebler® believes compliance with this Service Bulletin is important and will help to insure better maintained and better performing products.



Figure 1

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