

Service Information Letter - Fuel Systems

SMALL RECIPROCATING
ENGINES _____
All MSA _____
No. 10-21-92 _____
Issued October 22, 1992 _____
Page 1 of 2 _____

SUBJECT: USE OF UNAUTHORIZED PARTS IN PRECISION AIRMOTIVE FLOAT CARBURETORS.

- A. EFFECTIVITY: This Service Information Letter is applicable to all aviation carburetors manufactured by Precision Airmotive Corporation or its predecessors, Facet Aerospace Products Company and Marvel-Schebler (Borg Warner).
- B. REASON: This Service Information Letter is issued to remind owners, operators, overhaulers, and repairers of Precision Airmotive Corporation aviation carburetors of the possible adverse consequences resulting from the use of **UNAUTHORIZED** parts in those carburetors.
- C. BACKGROUND INFORMATION: In several accidents or incidents which have been reported to Precision Airmotive, component parts not of Precision Airmotive (or Facet/Marvel Schebler) manufacture have malfunctioned causing personal injury and property damage. In each case, the malfunctioning part failed to conform to Precision Airmotive specifications and drawings, used improper materials, or contained other production defects.

Consolidated Fuel Systems holds numerous PMA's on replacement carburetor parts. The PMAs for those parts are based on test and analysis. This means that the approvals for the parts are based on design and performance criteria proposed by Consolidated and accepted by the FAA. Such criteria is different from the design and performance criteria established by Precision and its predecessors Facet and Marvel Schebler, and does not incorporate the knowledge obtained from hundreds of thousands of hours of service experience.

In June 1992 a mandatory service bulletin issued by Consolidated Fuel Systems, Inc., and FAA Airworthiness Bulletin No. 92-15-16, called for the inspection and replacement of certain replacement floats manufactured by Consolidated Fuel Systems, Inc. because of a serious manufacturing defect. Consolidated Fuel Systems is not affiliated with Precision Airmotive Corporation and it's parts are not authorized by Precision Airmotive Corporation for use in carburetors manufactured by Precision Airmotive Corporation or it's predecessors. To make matters more confusing, Consolidated Fuel Systems' parts have been recently marketed under the name "Precision Air Parts," a company which also has no connection with Precision Airmotive. We believe that practice has stopped.

- D. **DESCRIPTION:** A Genuine Precision Airmotive Part is a part which has been manufactured by or on behalf of Precision Airmotive Corporation, or one of its predecessors, in accord with detailed, FAA approved specifications, drawings and inspection requirements. Parts manufactured by other manufacturers are not authorized by Precision Airmotive for use in Precision Airmotive Fuel Metering Equipment, even if such parts have FAA-PMA approval. These **UNAUTHORIZED** parts are not subject to the strict tolerances, manufacturing processes and inspections called for in Precision Airmotive specifications, drawings and inspection requirements.
- E. **WARRANTY AND LIABILITY INFORMATION:** The use of **UNAUTHORIZED** parts in Precision Airmotive aviation carburetors constitutes an alteration or modification of the carburetor and voids all warranties. Precision Airmotive will accept no warranty or tort liability for carburetors containing **UNAUTHORIZED** parts. Any operator and/or overhaul facility responsible for installation of **UNAUTHORIZED** parts should expect to have the sole and full liability for property damage or injury, including death, arising from any malfunction of the carburetor in which such parts are installed.
- F. **PUBLICATIONS AFFECTED:** The following warning will be added to Precision Airmotive overhaul manuals for MSA products:

WARNING: The Use Of **UNAUTHORIZED** Parts In This Model Carburetor Can Cause Product Malfunctions Which Could Result In Damage To, Or Destruction Of, Equipment And Injury To And/Or Death Of Personnel. Use Only Precision Airmotive Corporation Replacement Parts As Specified In The Parts Breakdown Section.