

# Service Bulletin Fuel Systems

Bulletin No.: PRS-99

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SUBJECT: USE OF UNAUTHORIZED PARTS IN PRECISION AIRMOTIVE FUEL INJECTION SYSTEMS.

- A. EFFECTIVITY: This Service Bulletin is applicable to all aviation fuel injection systems (RS and RSA series) manufactured by Precision Airmotive Corporation or its predecessor, Bendix Engine Controls Division of Allied-Signal Inc.
- B. REASON: This Service Bulletin is issued to remind owners, operators, overhaulers, and repairers of Precision Airmotive Corporation RS and RSA fuel injection systems of the possible adverse consequences resulting from the use of UNAUTHORIZED parts in those systems.
- C. BACKGROUND INFORMATION: Precision Airmotive is aware that the FAA has issued numerous PMAs for replacement RS/RSA fuel injection system parts to manufacturers that are not associated with or licensed through Precision to manufacture and distribute those parts. We have found that there is some confusion in the field as to how and on what basis those PMAs are issued. 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 the manufacturer of those parts and accepted by the FAA. Such criteria is different from the design and performance criteria established by Precision or its predecessor, Bendix, and does not incorporate the knowledge obtained from hundreds of thousands of hours of service experience.
- D. DESCRIPTION: A Genuine Precision Airmotive Part is a part which has been manufactured by, or on behalf of Precision Airmotive Corporation or the previous manufacturer, Bendix Engine Controls, in accord with detailed FAA approved specifications, drawings and inspection requirements. Parts manufactured by others 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 (Bendix) RS and RSA Fuel Injection Systems constitutes an alteration or modification and voids all warranties. Precision Airmotive will accept no warranty or tort liability for fuel injection systems containing UNAUTHORIZED parts. The 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 fuel injection system in which such parts are installed.
- F. PUBLICATIONS AFFECTED: The current warning in the RS and RSA overhaul manuals will be revised as follows:

WARNING: The Use Of Unauthorized Parts In This Model Fuel Injection System 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.