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 FAA-PMA FACILITY #PQ111NM

# Service Bulletin Fuel Systems

Bulletin No.: PRS-102

Date: 9/14/93

**SUBJECT:** Unapproved Parts Used In RSA Fuel Injection Systems.

## SECTION I - PLANNING INFORMATION

### A. EFFECTIVITY:

All RSA fuel injection servos which have been repaired or overhauled using the following Consolidated Fuel Systems parts:

| Consolidated Fuel Systems Part Number | Part Description    | Corresponding Precision Airmotive Part Number |
|---------------------------------------|---------------------|---|
| CF2541801                             | Fuel Diaphragm      | 2541801                                       |
| CF2538295                             | Air Diaphragm       | 2538295                                       |
| unidentified*                         | Center Body Bellows | 2540537                                       |

\* Part not marked, but significantly different from the part manufactured by Precision Airmotive or any known PMA holder. (The bellows manufactured by Precision has a brass housing, the unidentified bellows above appears to be made of stainless steel.)

**NOTE:** The above listed parts were removed from an RSA-5AD1 servo that had been in service, however, these parts can also be used in RSA-5AB1 and RSA-10AD1 fuel servos.

**NOTE:** All servos repaired, overhauled, rebuilt or newly manufactured by Precision Airmotive, or one of Precision's Authorized Product Support Centers, have Precision Airmotive parts in them and are not effected by this service bulletin.

### B. REASON:

To alert repair stations and users of RSA fuel injection systems to the existence of non FAA approved parts in service.

It has come to our attention that RSA replacement parts not approved by the FAA have been manufactured by Consolidated Fuel Systems of Montgomery Alabama. These unapproved parts have been used in RSA fuel injection servos overhauled by Consolidated Fuel Systems. As of the date of this service

bulletin, none of the parts listed in paragraph A above have been granted a Parts Manufacturing Approval (PMA) nor has a Supplemental Type Certificate (STC) been issued authorizing installation of these parts in an aircraft.

**C. COMPLIANCE:**

Precision Airmotive recommends that all RSA-5AB1, RSA-5AD1 and RSA-10AD1 fuel injection servos overhauled by Consolidated Fuel Systems be removed from service immediately and sent to a qualified repair facility for inspection. All non FAA approved parts must be removed from service and replaced with FAA approved replacement parts.

SECTION II - ACCOMPLISHMENT INSTRUCTIONS

If a servo is suspected of having unapproved parts, the servo must be disassembled for inspection. All unapproved parts must be removed and replaced with FAA approved replacement parts. Consult the applicable Precision Airmotive Service Manual for installation instructions.

**NOTE:** Servos which have had a "stainless steel" center body bellows installed may require replacement of the center body (2523503, 2523506 or 2523507) due to oversizing of the center hole. (The "stainless steel" bellows is slightly larger than the Precision Airmotive bellows and may be oversizing the aluminum center body casting during installation of the bellows.)

If you have any questions regarding this service bulletin, please contact Precision Airmotive at (206) 353-8181.

SECTION III - WARRANTY INFORMATION

Because Consolidated Fuel Systems manufactures parts to engineering and quality control specifications that are not the same as and are not approved by Precision Airmotive, these parts are "unauthorized" and Precision Airmotive does not approve of their use in Precision Airmotive (Bendix) fuel controls.

**WARNING**

THE USE OF "UNAUTHORIZED PARTS" IN PRECISION AIRMOTIVE (BENDIX) FUEL CONTROLS CONSTITUTES ALTERING OR MODIFYING THE FUEL CONTROL THUS VOIDING ALL WARRANTIES. PRECISION AIRMOTIVE IS NOT RESPONSIBLE FOR DAMAGE OR HARM TO THE AIRCRAFT OR IT'S OCCUPANTS FROM SUCH ALTERED OR MODIFIED FUEL CONTROLS.