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FAA-PMA FACILITY #PQ111NM

# Service Bulletin Fuel Systems

Bulletin No.:        PRS-100

Date:        6/7/93

**SUBJECT:** Goode Engineering Corporation Notification Letters dated April 27, 1993 and May 27, 1993 regarding Diaphragm Replacement Kit for GE2541803 and GE2538420.

## SECTION I - PLANNING INFORMATION

**A. EFFECTIVITY:**

All RSA-10DB1, RSA-10DB2, RSA-10ED1, and RSA-10ED2 fuel injection servos which have been repaired or overhauled using a Goode Engineering Corporation fuel diaphragm, p/n GE2541803, or air diaphragm, p/n GE2538420.

**B. REASON:**

This Service Bulletin is being issued to provide additional information about the subject diaphragms and to reiterate Precision Airmotive's position with respect to the use of "unauthorized parts" in Precision Airmotive fuel controls. (Reference Precision Airmotive Service Bulletin PRS-99, dated 10/21/92 and Service Information Letter RS-34 dated 10/22/92.)

**C. COMPLIANCE:**

Per Goode Engineering letter dated May 27, 1993, compliance is required by June 25, 1993.

**NOTE:** A diaphragm failure may result in disruption of fuel flow to the engine. Precision Airmotive therefore feels that discrepant diaphragms must be removed from service immediately.

If documentation is available which shows that Precision Airmotive diaphragms were installed in the servo, disassembly of the servo is not necessary.

SECTION II - ACCOMPLISHMENT INSTRUCTIONS**A. DISASSEMBLY AND INSPECTION:**

If an servo is suspected of having a discrepant Goode diaphragm, the servo must be disassembled for diaphragm inspection. If a Goode diaphragm is present, verify the date of manufacture of the diaphragm. (Per the April 27 Goode letter, discrepant diaphragms were manufactured between May and September 1992.) Remove all discrepant diaphragms and replace them with new diaphragms. Consult the applicable Precision Airmotive Service Manual for installation instructions.

**Note:** All servos repaired, overhauled, rebuilt or newly manufactured by Precision Airmotive, or one of Precision's Authorized Product Support Centers, have Precision Airmotive diaphragms in them. If these servos have not been disassembled and had the diaphragm replaced since original purchase, disassembly of the servo to visually inspect the diaphragms is not necessary.

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

**B. WARRANTY INFORMATION:**

Because Goode Engineering Corporation 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.