



# Service Information Letter - Fuel Systems

SIL RS-60

SMALL RECIPROCATING ENGINES

RSA-5AD2

Issued 8/17/01

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## **SUBJECT: 2576540-6 Servo – Boost Pump Pressure Interaction**

**PURPOSE:** To provide service information for 2576540-6 and 2576540-7 fuel injection servos.

- A. EFFECTIVITY:** This service information letter is applicable to the RSA-5AD2 fuel injection servos, parts list 2576540-6 manufactured between February 15, 2001 and July 24, 2001. These servos are used on Continental L/TSIO-360-RB engines in Piper PA34-220T Seneca V aircraft.
- B. DESCRIPTION:** This letter addresses corrective action for an overly rich fuel mixture after abrupt power reduction with the airframe boost pump on. There is a possibility that the servo can go rich after an abrupt power reduction if the fuel pressure to the servo is close to the upper factory limit of the airframe boost pump output pressure. All Servos manufactured after July 24, 2001 incorporate a new spring that will prevent this richening effect. These servos will be identified with parts list no. 2576540-7 stamped on the data tag. 2576540-6 servos updated on the aircraft in accordance with this letter will be identified with a “7” etched on the end of the metering cam's shaft.

### **D. UPDATE OPTIONS:**

Two options are available for servo update:

- Precision Airmotive will update your 2576540-6 servo, at no cost, to a 2576540-7. The servos should be removed and returned to Precision Airmotive or an authorized Precision Airmotive Warranty Repair Station.
- Maintenance technicians who are familiar with RSA fuel injection may perform the update on the aircraft. An update kit (parts list number 2576604) with instructions will be supplied upon request. The installation of the new spring does not require the removal of the servo from the engine or a recalibration of the flow schedule.

### **E. ADDITIONAL INFORMATION:**

Contact Precision Airmotive Corporation Product Support at **(360) 651-8282** for further information