

PRECISION
 AIRMOTIVE CORPORATION
Service Information
Letter - Fuel Systems

SIL RS-53

SMALL RECIPROCATING ENGINES

RSA-5AD1

Issued 1/6/00

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SUBJECT: Service Information for RSA-5AD1 Fuel Injection Servo Parts List 2576538-1.

PURPOSE: To provide repair shops with flow bench limits and service information for RSA-5AD1 fuel injection servo parts list 2576538-1.

- A. **EFFECTIVITY:** This Service Information Letter is applicable to all RSA-5AD1 fuel injection servos, parts list 2576538-1. These servos are installed on Lycoming TIO-540-AG1A engines.
- B. **REASON:** This new servo was released for installation on the Commander 114TC aircraft.
- C. **COMPLIANCE:** Information only.
- D. **DESCRIPTION:** The service information found in manual 15-381G for parts list 2524054-11 is applicable to parts list 2576538-1 except as follows:

1. Reference manual 15-381G, IPL, Figure 1:

Item Number	2524054-11 Part Number	2576538-1 Part Number	Description
1	2524054-11	2576538-1	Fuel Injection Servo
20	2525202	2538889	Plug, Hex Head
30	2541136	Not Used	Cap, Shipping
35	951789	Not Used	Packing, Preformed
50	2524469-N	2576537-A	Servo, Basic Assembly

2. Reference manual 15-381G, IPL, Figure 2:

Item Number	2524054-11 Part Number	2576538-1 Part Number	Description
50	2538889	2525202	Adapter, Fuel Inlet Strainer
51	Not Used	2541136	Cap, Shipping
52	Not Used	951789	Packing, Preformed

3. Reference manual 15-381G, IPL, Figure 5:

Item Number	2524054-11 Part Number	2576538-1 Part Number	Description
180	2520626	2542605	Valve, Lower Idle

4. Reference manual 15-381G, Calibration and Service Limits:

Specification Type	2524054-11 Test Specification	2576538-1 Test Specification	Applicable Figure
Calibration Limits	11263-01	11543-01	1324
Service Limits	9871-01	11544-01	1325