



SIL RS-103

# Service Information Letter - Fuel Systems

SMALL RECIPROCATING ENGINES

RSA-5AD1

Issued 11-10-16

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**SUBJECT: Service Information for RSA-5AD1 Fuel Injection Servo  
Parts List 2576644-1.**

**PURPOSE:** To provide repair shops with flow bench limits and service information for RSA-5AD1 fuel injection servo parts list 2576644-1.

- A. **EFFECTIVITY:** This Service Information Letter is applicable to all RSA-5AD1 fuel injection servos, parts list 2576644-1. These servos are installed on Lycoming IO-540-AF1A5 engines.
- B. **REASON:** This new servo was released for STC installation on a Cessna 182.
- C. **COMPLIANCE:** Information only.
- D. **DESCRIPTION:** The service information found in manual 15-381G for parts list 2524054-11 is applicable to parts list 2576644-1 except as follows:

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

Item Number	2576644-1 Part Number	Description
45	2525927	Lever, Mixture
50	2576543-B	Basic, Fuel Injection Servo

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

Item Number	2576644-1 Part Number	Description
15	2521287	Lever, Throttle

3. Reference manual 15-381G, IPL, Figure 4:

Item Number	2576644-1 Part Number	Description
80	2577063	Restrictor, Taper Seat

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

Item Number	2576644-1 Part Number	Description
180	2577197-670	Valve, Lower Idle

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

Specification Type	2576644-1 Test Specification	Applicable Figure
Calibration Limits	11263-01	1301
Service Limits	9871-01	1302

## 6. Reference manual 15-381G, History of Changes.

<u>Date</u>	<u>IC Number</u>	<u>Description</u>
<u>Issue 1</u>		
6-20-08	43	Released to production.
2-27-09	44	IC number change only.
9-28-09	45	Servo stem seal P/N 2577245 was P/N 2539561. Spring P/N 2539560 removed.