



Service Information Letter - Fuel Systems

**SUBJECT: Service Information for RSA-5AD1 Fuel Injection Servo
Parts List 2576544-3.**

PURPOSE: To provide repair shops with flow bench limits and service information for RSA-5AD1 fuel injection servo parts list 2576544-3.

Revision 1 adds information for the -3 configuration.

- A. **EFFECTIVITY:** This Service Information Letter is applicable to all RSA-5AD1 fuel injection servos, parts list 2576544-3. These servos are installed on Lycoming IO-540-AB1A5 engines.
- B. **REASON:** This new servo was released for installation on the new Cessna 182.
- C. **COMPLIANCE:** Information only.
- D. **DESCRIPTION:** This document supercedes SIL RS-50. The service information found in manual 15-381G for parts list 2524054-11 is applicable to parts list 2576544-3 except as follows:

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

Item Number	2576544-3 Part Number	Description
45	2522004	Lever, Mixture
50	2576543-B	Basic, Fuel Injection Servo

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

Item Number	2576544-3 Part Number	Description
80A	2577063	Restrictor, Taper Seat

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

Item Number	2576544-3 Part Number	Description
180	2577197-670	Valve, Lower Idle

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

Specification Type	2576544-3 Test Specification	Applicable Figure
Calibration Limits	11263-01	1301
Service Limits	9871-01	1302

5. Reference manual 15-381G, History of Changes.

<u>Date</u>	<u>IC Number</u>	<u>Description</u>
<u>Issue 1</u>		
9-10-96	40	Released to production.
<u>Issue 2</u>		
12-12-96	41	Basic 2576543-A was 2524469-N. Added 2577063 Restrictor, Taper Seat. Removed (1) P-61195 Plug, Taper Seat.
6-26-98	41	Relocated Outlet Fitting to opposite side.
<u>Issue 3</u>		
8-10-04	42	Lower Idle Valve 2577197-670 was 2520626. Basic Assembly 2576543-B was 2576543-A