

Service Information Letter - Fuel Systems

**SUBJECT: Service Information for RSA-5AD1 Fuel Injection Servo
Parts List 2576524-2.**

PURPOSE: To provide repair shops with flow bench limits and service information for RSA-5AD1 fuel injection servo parts list 2576524-2.

Revision 1 updates information for Issue 2.

- A. **EFFECTIVITY:** This Service Information Letter is applicable to all RSA-5AD1 fuel injection servos, parts list 2576524-2. These servos are installed on Lycoming AEIO-360-B1F engines.
- B. **DESCRIPTION:** The service information found in manual 15-381G, Change 1 (6/1/92) for parts list 2524054-11 is applicable to parts list 2576524-2 except as follows:

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

Item Number	New Part Number	Description
1	2576524-2	Fuel Injection Servo
20B	2538044	Elbow, Hose to Boss
30B	82887	Cap, Shipping
35A	317-S-7	Packing, Preformed
45B	2522004	Lever
50	2576503-A	Fuel Injection Servo Assy (Basic)

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

Item Number	New Part Number	Description
15B	132906	Plug, Threaded

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

Item Number	New Part Number	Description
-15J	2577121	Lever, Control
20B	AN833-4	Elbow, 90°
21	2523200	Cap, Shipping
22	317-S-5	Packing, Preformed
23	AN924-4	Nut, Flared Tube

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

Item Number	New Part Number	Description
180	2577170-670	Valve, Idle, Lower

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

Applicable Figure	Specification Type	Test Specification Number
Figure 1319	Calibration	11271-01 dated 12/19/86
Figure 1320	Service	9879-01 dated 8/13/79

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

<u>Date</u>	<u>IC Number</u>	<u>Description</u>
<u>Issue 1</u>		
6-3-94	40	Released to production
10-21-99	40	2577111 Throttle Lever was 2542856 367719 Outlet Fitting was 188465
2-1-00	40	2577121 Throttle Lever was 2577111
<u>Issue 2</u>		
7-13-01	41	2576503-A Basic Assembly was 2526515-A 2577170-670 Idle Valve was 2520626