

INDEX OF MANUALS, BULLETINS,
AND SERVICE INFORMATION LETTERS

for

PRECISION AIRMOTIVE FUEL CONTROLS

RS/RSA FUEL INJECTION



14800 40th AVE NE
MARYSVILLE, WA 98271

The information contained in this publication references the latest published instructions regarding overhaul and maintenance of Precision Airmotive Fuel Controls as of the date of publication. We suggest you use this index as a guide to verify that your RS/RSA service information is complete and up to date. Should you find that you are missing published material or that manuals and bulletins are not to the latest revision, please contact the Product Support Department at Precision Airmotive LLC:

Precision Airmotive LLC
14800- 40TH AVE NE
Marysville, WA 98271

Telephone: (360) 651-8282
Telefax: (360) 651-8080

NOTE: The information contained in this index has been compiled by Precision Airmotive LLC in an effort to provide a historical record of service information relating to the RS/RSA fuel controls. This information is based on the records available at the time of publication.

We will continue our efforts to locate information relating to our products. If you are aware of service information relating to these products which is not referenced in this index, or if you have any questions regarding the information in the index, we ask that you contact Precision Airmotive's Product Support Department at the above address.

WARNING: These manuals and other service publications have been written and updated to address the overhaul, rework, and repair of Precision Airmotive (or Bendix) fuel injection components. These Precision Airmotive manuals may only be used with parts manufactured by Precision Airmotive. The procedures, specifications, and tolerances contained within these manuals do not apply to parts manufactured by other replacement parts manufacturers under a separate FAA/PMA. Such non-Precision Airmotive parts are not authorized by Precision Airmotive for installation in the RS and RSA fuel injection systems, and may not be installed per these manuals, and such parts may not be used in conjunction with replacement parts manufactured by Precision Airmotive. Always refer to service publications published by the manufacturer of the FAA/PMA approved replacement parts when using those parts.

NOTE: Vertical black bands in the margin denote changes from the previous release.

Service Publications no longer available are indicated by an asterisk (*)

INDEX OF MANUALS, BULLETINS, AND SERVICE INFORMATION LETTERS FOR
RS/RSA FUEL INJECTION

FUEL INJECTION PUBLICATIONS

<u>Section</u>	<u>Description</u>	<u>Page</u>
1.	Component Maintenance - Manual Index	1
2.	Operation and Service- Manual Index	2
3.	Miscellaneous	3
	A. Training Aids	
	B. Instructions	
	C. References	
4.	RS/RSA Service Bulletin Index	4
5.	Special Service Bulletins	8
6.	RS/RSA Bulletin Application List	9
7.	Small Reciprocating Engine Service Information Letters Index	12
8.	Fuel Metering - General (Service Information Letters)	17
9.	Small Reciprocating Engine - Service Information Letters (Early Series)	17

INDEX OF MANUALS, BULLETINS, AND SERVICE INFORMATION LETTERS FOR
RS/RSA FUEL INJECTION

<u>Form No.</u>	<u>Description</u>	<u>Date</u>	<u>Change; Date</u>
1.	<u>Component Maintenance- Manual Index:</u>		
15-318C	Model RS-10B1 and RS-10ED2 Fuel Injectors	10-1-76	
15-329C	Model RS-10B2 Fuel Injector (P/N 391783)	2-15-87	
15-362C	Model RS-10ED1 Fuel Injector	11-1-75	1; 7-15-77
15-368C	Model RS-10FB1 Fuel Injector, Air Bleed Nozzle Assembly, and Model FM-A1 Flowmeter Modulator Assembly	7-1-87	
15-381G	Model RSA-5AD1 Fuel Injector	2-15-88	1; 6-1-92
15-385A*	RS-10B2 Service Manual	3-1-65	
15-386	Overhaul Manual W/Illustrated Parts Catalog for Model RS-5BD1 Fuel Injector (P/L 2524114), Flow Divider Assembly (P/N 2524115), and Air Bleed Nozzle Assembly (P/N 2524107)	2-1-64	1; 5-1-66
15-412A	Model RS-5BD2 Fuel Injector	12-1-70	1; 6-1-77
15-419D 15-419C	Model RSA-5AB1 Fuel Injector NOTE: Revision D was a change which did not affect technical information. Both Revision C and Revision D are considered current manuals.	2-24-90 5-30-85	
15-433D	Model RSA-10AD1 Fuel Injection Servo	9-1-94	
15-458G	Model RSA-10ED1 Fuel Injector	8-15-88	1; 12-15-90
15-471E	Model RSA-10DB1 Fuel Injector	2-1-89	1; 8-31-90
15-514	Overhaul Manual for Model RS-5BD1 Fuel Injector (P/L 2524353), Flow Divider Assembly (P/N 2524092), and Air Bleed Nozzle Assembly (P/N 2524107)	3-1-69	1; 10-15-73
15-515A	Illustrated Parts Catalog for Model RS-5BD1 Fuel Injector (P/L 2524353), Flow Divider Assembly (P/N 2524092), and Air Bleed Nozzle Assembly (P/N 2524107)	10-15-73	

	<u>Form No.</u>	<u>Description</u>	<u>Date</u>	<u>Change; Date</u>
1.	<u>Component Maintenance- Manual Index (con't):</u>			
	15-520B	Model RSA-7AA1 Fuel Injector	6-15-85	2; 11-21-90
	15-540F	Flow Dividers Used with RS/RSA Injectors	6-30-11	
	15-541E	Air Bleed Nozzles Used With RS/RSA Injectors	6-1-85	
	15-542C	Model RSA-10DB2 Fuel Injector	8-15-88	
	15-543A	Pressurizing Valve Kit	7-15-71	
	15-548A	Discharge Nozzle Assembly	9-1-87	
	15-549B	Distributor Valve Assembly	8-1-87	1; 1-7-94
	15-633B	Model RSA-7DA1 Fuel Injector	4-15-89	
	15-700A	Model RSA-10ED2 Fuel Injector	8-1-85	
	15-900A	Model RSA-5AD2 (P/N 2576540)	12-1-99	3; 11-13-07
2.	<u>Operation and Service - Manual Index:</u>			
	15-338E	Model RSA-5 and RSA-10AD1 Fuel Injectors	11-8-96	
	15-388A	Model RS-5BD2 Fuel Injection	3-1-65	
	15-394B	Model RS-5 and RS-10 Fuel Injectors	9-1-69	
	15-468B	Model RSA-10DB1 and RSA-10ED1 Fuel Injectors	2-1-73	
	15-521B	Model RSA-7AA1 Fuel Injector	1-1-90	
	15-583	Model RSA-10DB2 Fuel Injector	2-15-73	1; 3-15-76
	15-596A	Model RSA-7DA1 Operation and Service	10-15-76	

INDEX OF MANUALS, BULLETINS, AND SERVICE INFORMATION LETTERS FOR
RS/RSA FUEL INJECTION

<u>Form No.</u>	<u>Description</u>	<u>Date</u>	<u>Change; Date</u>
3.	<u>Miscellaneous:</u>		
A.	<u>Training Aids</u>		
15-810B	Troubleshooting Techniques Precision Airmotive Fuel Metering System	1-1-90	
15-812B	RSA Fuel Injection System Training Manual	1-1-90	
15-816B	RS/RSA Memory Jogger	3-8-90	
15-901C	Installation Troubleshooting Chart	4-30-02	
B.	<u>Instructions</u>		
15-888*	Bendix Master (P/N 2550925)	8-15-87	
C.	<u>References</u>		
15-537B*	Interchangeability and Cross Reference List RSA Fuel Injection Systems Basic Number vs Injector Parts List	10-1-78	
15-725A*	Active List-Fuel Metering Equipment for Reciprocating and Turbine Engines	5-1-84	
15-761*	Fuel Metering Application List - Reciprocating and Turbine Engines	12-1-82	
15-769B*	Fuel Metering Certification List	2-22-86	

NOTE: All current manuals, Service Bulletins, and Service Information Letters are available in a full set; Form# 15-600.

INDEX OF MANUALS, BULLETINS, AND SERVICE INFORMATION LETTERS FOR
RS/RSA FUEL INJECTION

4. RS/RSA Service Bulletin Index:

<u>No.</u>	<u>Date</u>	<u>Rev.</u>	<u>Amend: Date</u>	<u>Subject</u>
RS * 1	7-26-62			Nozzle Shields
RS * 2	8-23-62			Idle Link Pins
RS * 3	11-21-62			Manual Mixture Control Modification
RS * 4	12-26-62			In-line Fuel Strainer
RS * 5	1-23-63			Instn. Boost Pump Relief Valve
RS * 6	3-25-63			RS-10ED1 Modification to -4
RS * 7	5-27-63			RS-10B2 A/C Fuel Strainer
RS * 8	5-20-63			Improved Link Pins
RS * 9	6-8-63			Test Fitting
RS * 10	11-25-63	1		P/N 2524145-1 Only
RS * 11	3-27-68	2		MIL-4343B Lube
RS * 12	11-27-63	1		AMC Rework RS-10FB1
RS * 13	2-6-64			Removal of Nozzle Screens (SI 1186)
RS * 14	6-24-64			Throttle Shaft Bushing
RS * 15	5-5-66	1		New Mixture Control Valve RS-10ED1
RS * 16	9-14-64			Installing Nozzle Screen
RS * 17	12-14-64			Flow Dividers
RS * 18	9-1-66	4		Superseded by S.B. #27 (SB 305B)(A.D. 67-22-06)
RS * 19	7-1-65			2524145 2524213 only
RS 20	8-17-71	2		Troubleshooting Fuel in Air Side (SI 1166)
RS * 21				CANCELLED
RS * 22	1-15-68	2		RS-10FB1 Modified to -6
RS * 23	1-10-67			Idle Link Adjustment
RS * 24	5-7-68			Nozzle Rework

NOTE: All current Service Bulletins are available in a full set; Form# 15-SBSET.

INDEX OF MANUALS, BULLETINS, AND SERVICE INFORMATION LETTERS FOR
RS/RSA FUEL INJECTION

4. RS/RSA Service Bulletin Index: (Continued)

<u>No.</u>	<u>Date</u>	<u>Rev.</u>	<u>Amend: Date</u>	<u>Subject</u>
RS * 25	4-5-68			RS-10FB1 Nozzle Roll Pins
RS * 26	5-6-70	1		Installation of Throttle Stop
RS * 27	9-10-69	2		Diaphragm Assembly Modification
RS * 28	9-18-69	2		Diaphragm Assembly Modification
RS * 29	11-20-69	1		Regulator Stem Travel
RS * 30	10-20-70	2		RSA-10AD1 Modified to -6
RS * 31	10-26-70	1		RSA-10DB1 Modified to -5
RS * 32	6-30-70			RSA-7AA1 Removal of Nonmetallic Washer
RS * 33	5-19-71			RSA-10DB1 Modification to -6
RS * 34	5-19-71			RSA-10DB2 Modification to -2
RS * 35	5-18-71			RSA-10AD1 Modification to -7 (SI 1244)
RS * 36	5-14-71			RSA-7AA1 Modification to -3
RS * 37	9-28-71			RSA-10DB1 Modification to -7 (SI 1247)
RS * 38	10-17-73	1		2524199-5 2524254-3 Replacement AMC
RS * 39	4-10-72			RSA-7AA1 Rework of Idle Valve Lever
RS * 40	1-31-73			Bypass Filter Assembly
RS * 41	4-7-73	1		Letter "T" Inspection of Air Diaphragm (A.D. 73-10-02)
RS * 42	5-23-74			RSA-10DB1 Modification to -8
RS 43	12-16-74			Flow Dividers Modification to -2 (SB 382) (A.D. 75-09-15)
RS 44	8-12-76			Modification of 2524307-3 RSA-5AB1
RS 45	10-11-79	1		RSA-10ED1 Modification to 2524648-A
RS 46	7-19-78		1;6-21-79 2;7-20-82	RSA-10AD1 Bellows Seal Modification

NOTE: All current Service Bulletins are available in a full set; Form# 15-SBSET.

INDEX OF MANUALS, BULLETINS, AND SERVICE INFORMATION LETTERS FOR
RS/RSA FUEL INJECTION

4. RS/RSA Service Bulletin Index: (Continued)

<u>No.</u>	<u>Date</u>	<u>Rev.</u>	<u>Amend; Date</u>	<u>Subject</u>
RS 47	10-1-77			Delrin Mixture Control Bushing Rework
RS 48	1-8-79	2		100% Replacement of Strainers
RS 49	1-11-78			RSA-7AA1 Mix Control Shaft Pinhole
RS 50	2-15-78			Idle Mixture Shaft Inspection
RS 51	5-15-78			RSA-10 Fuel Pressure Fitting Rework
RS 52	1-8-79	3	1;7-20-82 2;12-21-82	RSA-5 Old Bellows Change (SB 428) (A.D. 78-23-10)
RS 53	1-8-79	3	1;12-21-82	RSA-7AA1 Bellows Change (SB 429) (A.D. 78-23-10)
RS 54	1-8-79	3	1;9-13-79 3;12-21-82	RSA-10DB1/10DB2, RSA-10ED1/10ED2 Bellows Change (SB 430) (A.D. 78-23-10)
RS 55	1-15-80	1	1;12-21-82	RSA-5AB1 Modification to Bellows Seal
RS 56	1-15-79	1		RSA-5AB1 Modification to Bellows Seal
RS 57	2-1-79	1		RSA-5 & -10 Diaphragm Inspection (SB 433)(A.D. 79-04-05)
RS 58	8-14-80	3	2;12-21-82	RSA-10D & E Modification to Bellows Seal
RS 59	2-14-80	1	1;7-14-80 3;12-21-82	RSA-7AA1 Modification to Bellows Seal
RS 60	1-15-79	1	1;7-20-82	RSA-5AB1 Modification to Bellows Seal
RS 61	2-14-80	1	2;12-21-82	RSA-5AD1 Modification to Bellows Seal
RS 62	4-15-81	2		RS-10 Series Mixture Control Shaft Modification (AD 81-03-05)
RS 63	8-1-79			RSA-10 Diaphragm Inspection (SB445)
RS 64				Not Published
RS 65	1-30-80			Mixture Control Shaft Seal
RS 66	3-18-80	1	2;6-20-80	Idle Valve Assembly Change RSA-10 (SB 441)
RS 67				Not Published

NOTE: All current Service Bulletins are available in a full set; Form# 15-SBSET.

**INDEX OF MANUALS, BULLETINS, AND SERVICE INFORMATION LETTERS FOR
RS/RSA FUEL INJECTION**

4. RS/RSA Service Bulletin Index: (Continued)

<u>No.</u>	<u>Date</u>	<u>Rev.</u>	<u>Amend;Date</u>	<u>Subject</u>
RS 68 *	8-20-79		1;8-29-79 2;9-6-79	Stem Crimp (Superseded by RS-71) (SB443)(A.D. 79-21-08 and A.D.79-26-03)
RS 69 *	8-20-79		1;8-30-79	Stem Crimp (Superseded by RS-71)
RS 70 *	8-20-79		1;8-30-79	Stem Crimp (Superseded by RS-71)
RS 71	2-18-80	1	1;7-14-80 2;7-20-82	All RSA - Locktite for Stem Nut
RS 72	11-15-80			RS-10ED1 New Ball valve and Seat
RS 73	11-15-80			Distributor Valve - New Ball Valve and Seat
RS 74	8-15-86	1		RS-10FB1 Nozzle - New Ball Valve and Seat
RS 75	10-25-80			Modification 2524624-1 to -2
RS 76	12-15-86	1		RS Series Diaphragm Change to Fluorosilicone
RS 77	11-15-86	2		Two Piece Nozzle Assembly (SI 1414)
RS 78	2-4-81			RSA-5 2524712-7 Modification to -8
RS 79	2-4-81			RSA-10 2524791-4 Modification to -5
RS 80	5-15-81			RS-5 Mixture Control Shaft Seal
RS 81	6-15-81			RS-5 New Distributor Seat and Needle Assembly
RS 82	9-18-81			RSA-5AD1 2524359-8 Mod to -9
RS 83	1-4-85	1		RSA-7 Enrichment Jet Change to -58
RS 84	12-14-84			RSA-7 New AMC Bellows
RS 85	6-20-83		1;8-10-83 2;1-3-84	RSA-10ED1 Diaphragm 2541803 (SB 467)(A.D. 83-22-04)
RS 86	12-23-83		1;12-1-84	RSA-5 New Fuel Diaphragm 2541801
RS 87	9-18-85			RSA-10AD1 New Fuel Diaphragm 2541801
RS 88	6-17-83		1;8-10-83 2;11-10-83	RSA-10ED1 Diaphragm 2541803 (SB 467)(A.D. 83-22-04)
RS 89	9-18-85			RSA-7 New Fuel Diaphragm 2541802
RS 90	6-18-85			Removal of Constant Effort Spring on P/L 2524896

NOTE: All current Service Bulletins are available in a full set; Form# 15-SBSET.

INDEX OF MANUALS, BULLETINS, AND SERVICE INFORMATION LETTERS FOR
RS/RSA FUEL INJECTION

4. RS/RSA Service Bulletin Index: (Continued)

<u>No.</u>	<u>Date</u>	<u>Rev.</u>	<u>Amend;Date</u>	<u>Subject</u>
PRS 91	2-28-89			RSA-7AA1 Enrichment Valve Setting
PRS 92	5-26-89			RSA-7AA1 O-Ring Contamination (A.D. 89-13-02)
PRS 93	6-30-89			RSA-7AD1 O-Ring Contamination
PRS 94	9-21-89		1;6-25-90	RSA-7AA1 Modification to -10
PRS 95	9-21-89			RSA-10ED1 P/L 2549038-1 Modification to -2
PRS 96	5-14-90			2524232-2 Flow Divider Recall
PRS 97	11-11-91	1		RS/RSA Overhaul Periods
PRS 98	11-18-91			Rubber Center Body Seals
PRS 99	2-1-10	1		Use of FAA/PMA Approved Replacement Parts in Precision Airmotive Fuel Injection Systems
PRS 100	6-7-93			Goode Engineering Diaphragm Recall.
PRS 101	7-19-93			Nozzle Assy Recall 2541946, 2524917-1, 2524923-1.
PRS 102	9-14-93			Unapproved Parts In RSA Fuel Injection Systems. (Consolidated)
PRS 103	5-12-98			RSA-10 Fuel Diaphragm Assy, P/N 2541803
PRS 104	1-31-00			Australian Av-Gas Contamination
PRS 105	11-12-04	1		Servo Metered Fuel Pressure Port Leakage
PRS 106	11-10-04	1		Servo Recall - P/N 2524273-12
PRS 107	7-16-08	4		Hex Plug 384535 Coming Loose from Regulator Cover
PRS 108	01-26-12			Improper Choice of Cleaning Fluids Can Damage Diaphragms, O-Rings, and Other Non-Metal Components

INDEX OF MANUALS, BULLETINS, AND SERVICE INFORMATION LETTERS FOR
RS/RSA FUEL INJECTION

5. Special Service Bulletins:

SSB* 315			CANCELLED
SSB* 316	5-15-69		Modification of RSA-5AD1
SSB* 317	9-1-85	1	Modification of Bendix Fuel Injectors and Carburetors (SI 1378)
SSB* 318	3-15-81	2	Overhaul Periods for Carburetors and Fuel Injectors (SI 1404)
MA * 2500	2-27-68		RS-5BD1 Modification

Numbers shown in () are Lycoming Service Bulletins (SB) or Service Instructions (SI) that correspond to the Bendix Bulletin.

NOTE: All current Service Bulletins are available in a full set; Form# 15-SBSET.

INDEX OF MANUALS, BULLETINS, AND SERVICE INFORMATION LETTERS FOR
RS/RSA FUEL INJECTION

6. RS/RSA BULLETIN APPLICATION LIST

S.B. #		INJECTOR MODEL																SUBJECT
		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
		5	5	1	1	1	1	1	5	5	7	7	1	1	1	1	1	
		B	B	0	0	0	0	0	A	A	A	D	0	0	0	0	0	
		D	D	B	B	E	E	F	B	D	A	A	A	D	D	E	E	
		1	2	1	2	D	D	B	1	1	1	1	D	B	B	D	D	
						1	2	1					1	1	2	1	2	
RS	1*			X			X										Nozzle shields	
RS	2*							X									Idle link pins	
RS	3*							X									Man.M.C.mod.	
RS	4*				X												In line strainer	
RS	5*				X												Boost pump relief valve	
RS	6*							X									Mod to issue 4	
RS	7*				X												A/C fuel strainer	
RS	8*	X	X	X	X	X	X	X	X	X		X	X	X	X		Improved link pins	
RS	9*			X	X	X											Test fitting	
RS	10*								X								P/L 2524145-1	
RS	11*	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	MIL-4343B lube	
RS	12*							X									AMC rework	
RS	13*					X				X							Nozzle screen removal	
RS	14*				X												Throttle shaft bushings	
RS	15*							X									New M.C. valve	
RS	16*				X												Instn. nozzle screen	
RS	17*	X				X				X							Flow dividers	
RS	18-4*								X	X							Superseded by RS-27	
RS	19*									X							2524145, 4213 only	
RS	20-2								X	X		X	X	X	X		Troubleshooting	
RS	21*																CANCELLED	
RS	22-2*							X									Mod to -6	
RS	23*								X	X							Idle link adj.	
RS	24*		X							X			X				Nozzle rework	
RS	25*							X									Nozzle roll pins	
RS	26-1*								X	X		X	X	X	X		Instn. of thr. stop	
RS	27-2*								X	X		X					Diaphragm assy. mod.	
RS	28-2*												X		X		Diaphragm assy. mod.	

INDEX OF MANUALS, BULLETINS, AND SERVICE INFORMATION LETTERS FOR
RS/RSA FUEL INJECTION

S.B. #	INJECTOR MODEL								SUBJECT								
	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
	5	5	1	1	1	1	1	5	5	7	7	1	1	1	1		
	B	B	0	0	0	0	0	A	A	A	D	0	0	0	0		
	D	D	B	B	E	E	F	B	D	A	A	A	D	D	E	E	
	1	2	1	2	D	D	B	1	1	1	1	D	B	B	D	D	
					1	2	1					1	1	2	1	2	
RS 29-1*								X	X			X	X	X	X	Reg. stem travel	
RS 30-2*												X				Mod. to -6	
RS 31*													X			Mod. to -5	
RS 32*										X						Remove non-met washer	
RS 33*													X			Mod. to -6	
RS 34*														X		Mod. to -2	
RS 35*												X				Mod. to -7	
RS 36*										X						Mod. to -3	
RS 37*														X		Mod. to -7	
RS 38-1*								X								Replacement of AMC	
RS 39*										X						Rwk of idle valve lever	
RS 40*			X		X	X	X									Bypass filter	
RS 41-1*								X	X		X					Ltr T insp of diaphragm	
RS 42*													X			Mod. to -8	
RS 43										X						Flow dividers mod. -2	
RS 44									X							2524307-3 mod.	
RS 45-1															X	2524648 A mod.	
RS 46-1												X				Bellows type seal	
RS 47								X	X			X	X	X	X	M.C. stem bushing	
RS 48	X	X	X	X	X	X	X	X	X	X		X	X	X	X	100% Filter replacement	
RS 49										X						Mod. of M.C. assy	
RS 50								X	X			X	X	X	X	Insp. "O" ring groove	
RS 51												X			X	Rwk fuel pressure fitting	
RS 52-3								X	X			X				Bellows type seal	
RS 53-3										X						Bellows type seal	
RS 54-3													X	X	X	Bellows type seal	
RS 55-1								X								Bellows type seal	
RS 56-1								X								2524712-1 mod.	

INDEX OF MANUALS, BULLETINS, AND SERVICE INFORMATION LETTERS FOR
RS/RSA FUEL INJECTION

S.B. #	INJECTOR MODEL														SUBJECT			
	R	R	R	R	R	R	R		R	R	R	R	R	R	R	R	R	
	S	S	S	S	S	S	S		S	S	S	S	S	S	S	S	S	
									A	A	A	A	A	A	A	A	A	
	5	5	1	1	1	1	1		5	5	7	7	1	1	1	1	1	
	B	B	0	0	0	0	0		A	A	A	D	0	0	0	0	0	
	D	D	B	B	E	E	F		B	D	A	A	A	D	D	E	E	
	1	2	1	2	D	D	B		1	1	1	1	D	B	B	D	D	
					1	2	1						1	1	2	1	2	
RS 85														X	X	X	X	Fuel diaphragm 2541803
RS 86-1								X	X									Fuel diaphragm 2541801
RS 87												X						Fuel diaphragm 2541801
RS 88													X	X	X	X	Reference for RS-85	
RS 89										X	X							Fuel diaphragm 2541802
RS 90														X				Removal of C.E. spring
PRS 91										X								Enrich valve setting mod
PRS 92										X								O-ring contamination
PRS 93											X							O-ring contamination
PRS 94										X								2524347-9 to -10
PRS 95																X		2549038-1 to -2
PRS 96																		Flow Divider Rework
PRS 97	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	RS/RSA Overhaul Periods
PRS 98								X	X	X		X	X	X	X			Center Body Seals
PRS 99	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	FAA/PMA Approved Parts
PRS 100														X	X	X	X	Goode Eng. Diaph recall
PRS 101	Air Bleed Nozzle Series														Nozzle Assembly Recall			
PRS 102								X	X			X						Unauthorized Parts
PRS 103														X	X	X	X	Fuel Diaphragm 2541803
PRS 104	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Av-Gas Contamination
PRS-105								X	X			X	X	X	X	X		Fuel Port Leakage
PRS-106																X		Recall 2524273-12
PRS-107								X	X			X	X	X	X	X		Hex Plug 383493
PRS-108	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Cleaning Fluids

7. Small Reciprocating Engine - Service Information Letters:

<u>No.</u>	<u>Date</u>	<u>Rev.</u>	<u>Amend;Date</u>	<u>Subject</u>
1*	11-30-76			Torque Requirement for Mixture Lever Stop Hold Down Screw, Reduction of
2*	12-21-76			Tooling for Calibration of RSA-7AA1 and RSA-7DA1

7. Small Reciprocating Engine - Service Information Letters: (Continued)

INDEX OF MANUALS, BULLETINS, AND SERVICE INFORMATION LETTERS FOR
RS/RSA FUEL INJECTION

<u>No.</u>	<u>Date</u>	<u>Rev</u>	<u>Amend;Date</u>	<u>Subject</u>
3*	2-2-77			Metering Head Split at Idle
4*	1-7-80			Enrichment Valve, RSA-7AA1 and RSA-7DA1
5*	6-30-79			Lubrication of Mixture and Idle Valves
6*	10-5-79	1		Diaphragm Assembly, Inspection
7*	8-15-79	1		New Center Body Seal. (Ref. RS-46, 55, 58, 59, 60 and RS-61)
8*	9-18-79			P/L 2524275-11 Diaphragm Change
9	5-15-80	1	1 2; 10-25-80 3; 5-15-81 4; 7-17-81 5; 5-15-82 6; 3/31/83	Service Limits
10	1-9-80			RSA Center Body vs. Center Body Assembly
11*	1-9-80			RS Service Bulletins
12*	1-9-80			RS Bulletin No. 63 dated 8-1-79
13	2-7-80			RSA Regulator Brass Hex Plug P/N 383493
14*	4-10-80	2		Flow Bench Calibration
15*	3-14-80			RS and RSA Mixture Control Stem
16	9-15-87	2		RS and RSA Manual Mixture Control Leakage
17	2-5-82	1		Tooling Change for All Injectors
18	9-1-85	1		Calibration Flow Limits (New)
19	1-31-86	1		Material Change to Fluorosilicone
20	6-15-81		1; 1-20-83	AMC Flow Test Specs
21	11-30-85			Hardcoated Aluminum Manual Metering Control Valves
22	9-1-85	1		Identification Plates

NOTE: All current Service Information Letters are available in a full set; Form# 15-SILSET.

7. Small Reciprocating Engine - Service Information Letters: (Continued)

<u>No.</u>	<u>Date</u>	<u>Rev</u>	<u>Amend;Date</u>	<u>Subject</u>
------------	-------------	------------	-------------------	----------------

INDEX OF MANUALS, BULLETINS, AND SERVICE INFORMATION LETTERS FOR
RS/RSA FUEL INJECTION

23	7-20-83			Replacement Fuel Diaphragms
24	1-15-86			2541801 for Aerobatic Aircraft
25	1-31-86			RSA Regulator Disassembly
26	12-8-86			Inspection Bullet-type Venturies
27	4-29-87			100% Replacement Parts
28	4-4-88			Modification of RSA-7DA1 Air Diaphragm
29	2-15-88			RS/RSA Announcement
30	5-31-88			Publication
31	5-25-89	1		RSA-7AA1 O-ring Contamination
32	6-30-89			RSA-7DA1 O-ring Contamination
33	10-8-90			P/N 2524666 AMC New Flow Test Limits
34	10-22-92			Unauthorized Parts In Fuel Injection Systems
35	9-1-94	1	7-14-08	Alternate Flow Bench Test Fluid MIL-C-7024 Type II
36	11-1-94	1		RSA-10ED1 Fuel Injection System P/L 2549038-3
37	11-1-94			RSA-10DB1 Fuel Injection System P/L 2549056-2
38	11-1-94	1	12-8-08	RSA-10AD1 Fuel Injection System P/L 2524175-11
39	11-26-02	2		RSA-5AB1 Fuel Injection System P/L 2524858-5
40	9-1-04	1		RSA-5 Fuel Injection Servo Installation in Updraft Configuration
41	5-5-97			RSA-10DB1 Fuel Injection System P/L 2524275-16
42	7-15-97			RSA-5AB1 Fuel Injection System P/L 2576507-1 thru -3
43	3-31-98			Service Information for RSA-5AD1; P/L 2576522-1
44	9-4-01	1		Service Information for RSA-5AD1; P/L 2576524-2
45	9-14-99	2		Rework Instructions for RSA-5AD1 Fuel Injection Servo Installed on Slingsby T-3A Aircraft
46*	9-22-99	1		2576540-4 Throttle Friction
47	10-22-04	2		Service Information for RSA-10ED1; P/L 2576546-2

NOTE: All current Service Information Letters are available in a full set; Form# 15-SILSET.

7. Small Reciprocating Engine - Service Information Letters: (Continued)

<u>No.</u>	<u>Date</u>	<u>Rev</u>	<u>Amend;Date</u>	<u>Subject</u>
------------	-------------	------------	-------------------	----------------

INDEX OF MANUALS, BULLETINS, AND SERVICE INFORMATION LETTERS FOR
RS/RSA FUEL INJECTION

48	10-22-04	1	Service Information for RSA-5AD1; P/L 2576536-2
49	1-6-00		Service Information for RSA-5AD1; P/L 2549050-3
50	10-22-04	1	Service Information for RSA-5AD1; P/L 2576544-2
51	1-20-00		Service Information for RSA-5AD1; P/L 2576558-1
52	1-6-00		Service Information for RSA-5AD1; P/L 2576568-1
53	1-6-00		Service Information for RSA-5AD1; P/L 2576538-1
54*	1-28-00		Incorporated into Manual 15-540D
55	1-20-00		Identification and Cure Dating of Rubber Products
56*	9-28-00		2576540-5 Throttle Friction
57	9-22-00		Discrepant 2541564 Mixture Control Valves
58	12-8-00		Idle Speed Screw for RSA-7DA1; P/L 2524624
59	8-15-01	2	2576540-4 and 2576540-5 Throttle Friction
60	8-17-01		2576540-6 Servo - Boost Pump Pressure Interaction
61	9-4-01		Service Information for RSA-5AD1; P/L 2576596-2
62	4-13-09	4	Overhaul Kits for RSA-5 and RSA-10 Fuel Injection Servos
63	10-22-04	1	Service Information for RSA-10ED1; P/L 2576562-2
64	3-20-02		Service Information for RSA-10ED1; P/L 2576554-2
65	10-22-04	1	Service Information for RSA-5AD1; P/L 2576592-1
66	4-29-02		Optional Idle Valve for RSA-5AD1; P/L 2576596-2
67	11-20-02		Idle Speed and Mixture Adjustments for RSA Fuel Injection Systems
68	8-14-02		Availability of alternate RSA-5 Main Body and Regulator Cover
69	11-21-02		Service Information for RSA-10AD1; P/L 2576566-1
70	11-21-02		Service Information for RSA-5AD1; P/L 2576608-1
71*	4-8-03		Replaced By SIL RS-48 R1

NOTE: All current Service Information Letters are available in a full set; Form# 15-SILSET.

7. Small Reciprocating Engine - Service Information Letters: (Continued)

No.	Date	Rev	Amend;Date	Subject
-----	------	-----	------------	---------

INDEX OF MANUALS, BULLETINS, AND SERVICE INFORMATION LETTERS FOR
RS/RSA FUEL INJECTION

72	5-27-03			Service Information for RSA-5AD1; P/L 2576586-1
73	6-16-03			Shipping Caps, Plugs, O-Rings, for RS/RSA Components
74	8-2-05	4	2-25-09	Service Information Letter for RSA-10AD1; P/L 2576630-4
75	12-2-04	1		Service Information Letter for RSA-5AD1; P/L 2524450-9
76	11-12-04			Service Information Letter for RSA-7DA1; P/L 2524624-7
77	12-2-04			Service Information Letter for RSA-7DA1; P/L 2576514-1
78	1-6-05			Service Information Letter for RSA-10DB1; P/L 2576542-1
79	1-5-05			Service Information Letter for RSA-5AB1; P/L 2576628-1
80	1-6-05			Service Information Letter for RSA-10 Servos
81	8-2-05	2		Conversion Information for RSA-10AD1; P/L 2576630
82	12-12-06			Cleaning of Contaminated Fuel Injection Systems
83	12-12-06			Service Information Letter for RSA-10AD1; P/L 2524311-10
84	11-27-07			Cold Weather Flow Divider Operation
85	5-30-07			Regulator Spring Identification
86	1-17-08			Service Information Letter for RSA-10ED1; P/L 2576562-4
87	3-24-08	1	7-11-08	New Regulator Plug Gasket and increased torque for all RSA-5 and RSA-10 Fuel Injection Servos
88	6-16-08			Inspection of regulator Plug on RSA-5 and RSA-10 Fuel Injection Servos
89	2-2-09			Service Information Letter for RSA-10ED1; P/L 2576554-3
90	2-2-09			Revision to P/L 2524347
91	3-2-09			Service Information Letter for RSA-10AD1; P/L 2524163
92	11-5-08			Clarification of Idle Lever Stem Marking on Servo P/L 2524500-9
93	1-26-12	2		Service Information Letter for RSA-10ED1; P/L 2524273-12, 2524298-12, 2524420-11, 2524422-9, 2524491-9, 2524534-9, 2524556-9, 2524582-8, 2524859-3
94	4-9-09			Service Information for RSA-10ED1; P/L 2549038-4
95	11-17-09			Service Information for RSA-5AD1; P/L 2524145-12, 2524242-10, 2524328-10, 2524307-10, 2524335-10
96	11-3-09			Service Information for RSA-5AD1; P/L 2524939-2

7. Small Reciprocating Engine - Service Information Letters: (Continued)

<u>No.</u>	<u>Date</u>	<u>Rev</u>	<u>Amend;Date</u>	<u>Subject</u>
------------	-------------	------------	-------------------	----------------

INDEX OF MANUALS, BULLETINS, AND SERVICE INFORMATION LETTERS FOR
RS/RSA FUEL INJECTION

97	4-23-09		Service Information for RSA-10ED2; P/L 2524791-7
100	10-2-09		New Servo Stem Seal, P/N 2577245
PAC-1	9-14-06	6	Warranty Repair of Precision Airmotive RSA Fuel Injection Systems and MSA Float Carburetors

8. Fuel Metering - General (Service Information Letters):

<u>No.</u>	<u>Date</u>	<u>Rev.</u>	<u>Amend;Date</u>	<u>Subject</u>
56 *	10-4-72			Cleaning Matched Fuel Metering Assemblies
57 *	2-16-73			Warranty Procedures - Air Diaphragm 2529470
60 *	10-11-76			Analysis of British Naphtha
63 *	12-8-81			Treatment of Cover Assembly
69 *	12-8-86			Use of Non-Certified (Bogus) Parts
70 *	4-1-86	1		TBO of Bendix Fuel Metering Devices (Originally Published as S.E.C. #1)
71 *	12-8-86			Fuel Contamination
72 *	12-8-86			Special Advisory

9. Small Reciprocating Engine - Service Information Letters:(Early Series)

<u>No.</u>	<u>Date</u>	<u>Rev.</u>	<u>Subject</u>
1 *	5-1-70		General Introduction to This Series SIL's
2 *	6-4-70		Information on New RSA-10DB2 Parts List
3 *	6-3-70		Information on New RSA-7AA1 Parts List
4 *	6-9-70		Calibration of P/L 2524163 (Piper Navajo)
5 *	9-15-70		Lube of Fuel Diaphragm Stem
6 *	11-9-70		Flow Bench Calibration
7 *	2-10-71		Blue "O" Rings
8 *	2-21-72		Center Body Seals
9 *	3-14-72		Pressurizing Valve Seat (TIO-541 Engine)
10 *	10-29-73	2	New Design Pop-Off Strainers
11 *	1-29-73		Precalibration Adjustment Procedures

NOTE: All current Service Information Letters are available in a full set; Form# 15-SILSET.

9. Small Reciprocating Engine - Service Information Letters: (Early Series) - (Continued)

<u>No.</u>	<u>Date</u>	<u>Rev.</u>	<u>Subject</u>
------------	-------------	-------------	----------------

INDEX OF MANUALS, BULLETINS, AND SERVICE INFORMATION LETTERS FOR
RS/RSA FUEL INJECTION

12 *	8-8-73		Regulator Adjustment Procedures
13 *	7-19-74		RSA-10ED1 P/L 2524273-5
14 *	10-2-74		Servo Seat Shim (Seat P/N 2529184)
15 *	10-25-74		RSA-10DB1 P/L 2524275-7/8 Calib. Limits
16 *			Not Published
17 *	10-21-75		RSA-10AD1 P/L 2524510C Calibration Limits
18 *	10-21-75		Information on RSA-7AA1 Overhaul Manuals
19 *	10-21-75		Information on RSA-5/RSA-10 Overhaul Manuals
20 *	11-26-75	A	Information on RSA-7AA1 Overhaul Manuals
21 *	2-1-79	C	RS/RSA Overhaul Manuals Information
22 *	2-1-79	B	RSA-5AD1 Manual Mixture Control
23 *	12-16-75		Change P/L 2524633 A to B
24 *	5-6-76		RSA-5AB1 Basic P/L 2524716
25 *	6-16-76		Information on "To Be Released" RS-44 Bulletin
26 *	7-1-76		Inspection of Bushing Assy. P/N 2529188
27 *	7-19-76		Fuel Inlet Strainer Plug Rework
28 *	7-15-76		RS-5/10 Overhaul Manual Change
29 *	9-8-76		RSA-7DA1 Modification
30 *	9-21-76		AMC P/N 2524040C Test Spec Change
31 *	9-21-76		RSA-10ED1 Air Diaphragm P/N 2539616
32 *	10-20-76		Identification of P/N 2539616 Air Diaph.
33 *	11-1-76		RSA-10AD1 Test Spec for 2524175
34 *	2-8-77		RSA-10ED1 Overhaul Manual Change
35 *	2-24-77		Replacement of Screw P/N 319-S-354
36 *	3-15-77		Ref. S.I.L. 35
37 *	5-5-77		Change 1 to RS-10FB1 Overhaul Manual

NOTE: All current Service Information Letters are available in a full set; Form# 15-SILSET.

9. Small Reciprocating Engine - Service Information Letters: (Early Series) - (Continued)

38 *	7-21-77		Revised T.S. for P/L 2524163-7
------	---------	--	--------------------------------

INDEX OF MANUALS, BULLETINS, AND SERVICE INFORMATION LETTERS FOR
RS/RSA FUEL INJECTION

39 *	2-21-78	1	Use of Alternate Fuel Strainers
40 *	8-8-77		Revised Test Spec for 2524216/262
41 *	2-21-78	1	Revised T.S. for P/L 2524712
42 *	2-21-78		Replacement of Mixture Shaft Bushing
43 *	8-14-78		RSA-5, 7 and 10 - Insp. of Fuel Diaph.
44 *	5-22-79		Revised Assembly Procedure for Lever Assy.

NOTE: This series of S.I.L.s discontinued with number 44. These are listed for reference only as they have been made obsolete by superseding bulletins, manual revisions and the current series of RSA S.I.L.s.

NOTE: All current Service Information Letters are available in a full set; Form# 15-SILSET.