



AIRMOTIVE CORPORATION

SNOHOMISH COUNTY AIRPORT
EVERETT, WASHINGTON 98204

Service Bulletin

Fuel Systems

Bulletin No.: PRS-95
DATE: 9-21-89
Revised:

Subject: BENDIX FUEL INJECTION SYSTEM, MODEL RSA-10ED1, P/L
2549038-1 MODIFICATION TO ISSUE -2.

1. Planning Information:

A. Effectivity:

<u>Model No.</u>	<u>Basic P/L No.</u>	<u>Installation P/L No.</u>
RSA-10ED1	2549041	2549038-1

B. Reason:

To meet revised engine requirements by
incorporation of a revised flow schedule.

C. Description:

To provide modification instructions for the
subject control.

D. Compliance:

Operational Activities: At owner's discretion.

Overhaul Activities: Comply at present O/H.

E. Approval:

None.

F. Manpower:

Not applicable.

1. Planning Information. (cont)

G. Material Availability

Not applicable.

H. Tooling:

Not Applicable.

I. References:

Lycoming request.

J. Weight and Balance:

Not applicable.

K. Publications Affected:

RSA-10ED1 Series O/H and IPB, Form No. 15-458G

2. Accomplishment Instructions:

A. Proceed with normal O/H procedures.

B. Calibrate the fuel injector in accordance with Figure 1.

C. Identification.

(1) All modified RSA-10ED1 Fuel Injectors must be reidentified.

(2) If the identification plate is reused, it is permissible to overstrike the issue number, less any changes not incorporated during this and/or previous overhauls. If new plate is used, reidentify as follows:

(a) Transfer the exact model number from the old identification plate.

(b) Reidentify the unit with new applicable parts list number, less any changes not incorporated during this and/or previous overhauls.

(c) Reidentify the unit with new applicable basic parts list number.

(d) I.C. - this block should be left blank.

2. Accomplishment Instructions (cont)

(e) Transfer the exact serial number from the old identification plate.

<u>Model No.</u>	<u>Old Parts List No.</u>	<u>New Parts List No.</u>
RSA-10ED1	2549038-1	2549038-2

D. Incorporate the following changes into the Components Maintenance Manual:

- (1) Insert copies of Figure 1 and Figure 2 from this bulletin. Parts list and O/H procedures for this unit will be released in a future publication.
- (2) Annotate the Service Bulletin List in the front of the manual to indicate incorporation of the information contained in this bulletin.


 Randy P Jenson
 Manager, Product Support

TEST SPECIFICATION DATE: APRIL 24, 1989

PRECISION AIRMOTIVE CORPORATION - FUEL CONTROL DIVISION, EVERETT, WASHINGTON, U.S.A.

INJECTOR MODEL: RSA-10ED1 SERIAL NO. (14-19) 30003-01 (20-25)
 OPERATOR PARTS LIST: (1-13) DATE (32-37) PAGE CODE RELEASED: PAGE 1 of 1

SERVICE FLOW LIMITS

PARTS LIST: 254903B BASIC PARTS LIST: 2549041
 ENGINE MFR: LYCOMING FUEL INLET PRESSURE: 26 P.S.I. ± 1
 NOZZLE PRESSURE: 0

LIMITS BASED ON 0.734 SPECIFIC GRAVITY AT 75 DEG. F ± 5 DEG. F (NAPHTHA) DATE ISSUED: _____

TEST POINT NO.	1	2	3	4
METERING SUCTION INCHES OF WATER	0	0	8.0	27.2
AIR FLOW LBS./HR.	0	0	1200	2200
MIXTURE CONTROL LEVER POSITION	R	I.C.O.	R	R
THROTTLE POSITION	W.O.	W.O.	W.O.	W.O.
BURETTE VOLUME	300	800	1500	1500
TIME LIMIT IN SECONDS	35.0	34.3	34.3	34.4
MIN.	43.6	38.2	38.2	39.0
MAX.	()	()	()	()
OBS.	()	()	()	()

FLOWMETER LIMITS IN LBS./HR.	MIN.	MAX.	OBS.
MIN.	0	120.0	224.0
MAX.	5 CC	126.0	254.0
OBS.	()	()	()

METERING HEAD INCHES OF FUEL	OBS.	AV.
OBS.	()	()
AV.	2.3	61.9

Service Flow Limits Figure 2