

# SERVICE



# LETTER

Service Letter No. 464A (Supersedes No. 464)

November 12, 1965

**TO:** Distributors, Dealers, Certified Service Centers  
and Owners

**SUBJECT:** Bendix RS Fuel Injection  
Service Bulletin No. 18 dated January 12, 1965

**MODELS AFFECTED:** PA-23-250 (6 place) and PA-E23-250  
PA-24-250, PA-24-260, PA-30

**SERIAL NUMBERS AFFECTED:** All aircraft of the above models equipped with fuel  
injection.

**COMPLIANCE DATE:** PA-24 series - prior to but not later than next 100  
hour inspection. PA-23 and PA-30 series - prior to  
but not later than next periodic inspection.

Information received from the Bendix Corporation indicates that compliance with the above referenced Bendix Service Bulletin No. 18 has been slow.

In order to assure compliance with the subject bulletin Bendix recommends the following:

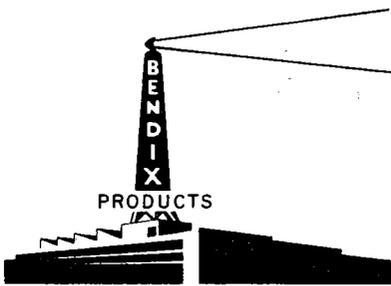
"All RSA-5AD1 injector units installed on single engine Piper Aircraft be modified not later than next 100 hour inspection and twin engine Piper Aircraft not later than the next annual inspection.

"It is recommended that the Authorized Bendix Distributor or Service Station in your area be contacted and arrangements made to have the injector fuel diaphragm replaced. The costs of new material specified in the bulletin, plus the labor cost for replacement of the fuel diaphragm in the injector and recalibration of the injector unit will be borne by Bendix when the work is done by the Authorized Bendix Distributor or Service Station. The costs of removal and replacement of the injector on the engine shall be borne by the aircraft owner.

"This offer to replace the injector fuel diaphragm on a no-charge basis will expire 30 September 1966."

Special attention must be given to the "identification" paragraph in the bulletin to avoid removal of units previously modified. That section of the subject bulletin is printed on the reverse side of this letter.

**PIPER AIRCRAFT CORPORATION, LOCK HAVEN, PA., U. S. A.**



# RS FUEL INJECTION SERVICE BULLETIN

No. 18

Published by  
PUBLICATION SERVICES

12 January 1965

THE *Bendix* CORPORATION  
BENDIX PRODUCTS AEROSPACE DIVISION  
SOUTH BEND 20, INDIANA

**SUBJECT:** BENDIX FUEL INJECTION SYSTEM, MODELS RSA-5AD1 AND RSA-5AB1, FUEL DIAPHRAGM ASSEMBLY, REPLACEMENT OF.

**REFERENCE:** None.

**PUBLICATION AFFECTED:**

Bendix Form No. 15-381  
15 August 1963

Overhaul & Illustrated Parts Breakdown Catalog  
RSA-5

**REASON FOR BULLETIN:** To provide instructions on replacing the delrin stemmed fuel diaphragm with a fuel diaphragm incorporating a steel stem to increase service life.

**COMPLIANCE:**

**Operating Activities:** Comply with the provisions of this bulletin at next overhaul.

**Overhaul Activities:** This modification shall be complied with at current overhaul.

**DETAILED INSTRUCTIONS:**

1. Refer to Form No. 15-381, Overhaul & Illustrated Parts Breakdown Catalog.
2. The reassembly of the regulator is performed in the normal manner except for the following:
  - a. Use 2523307 fuel diaphragm assembly instead of 2520887 or 2523067 assembly.
  - b. Use a 2523478 spring retainer cup and 178491 elastic stop nut instead of the 2520636 spring holder (delrin nut).

**NOTE**

A tool for adjusting the 178491 nut can be made from a 5/32 Excelite No. 5 socket screwdriver. The outside diameter of the socket should be reduced below 1/4 inch to provide clearance with the spring retainer.

3. Recalibrate unit in the normal manner.

**IDENTIFICATION:**

- A. Paint a 1/4 inch red dot on the regulator cover.
- B. Recent production models incorporate the new diaphragm assembly and are identified by a suffix number after the serial number. The following parts lists show the suffix number identifying this change.

<u>Parts List</u>	<u>Dash Number</u>	<u>Parts List</u>	<u>Dash Number</u>
2524054-2	S.N. /33	2524189-2	S.N. /10
2524119-2	S.N. /15	2524213-2	S.N. /7
2524145-3	S.N. /24	2524216-2	S.N. /10
2524147-3	S.N. /14	2524199-2	S.N. /15
2524171-2	S.N. /10		