



HUGHES SERVICE INFORMATION NOTICE

NOTICE NO. 4

DATE May 4, 1966

PAGE 1 OF 2

FAA Approved

SUBJECT: FUEL INJECTION SYSTEM MODIFICATION
BENDIX RSA-5AB1

MODELS AFFECTED: 269A Helicopters (TH55A) Serial No's. 0315 &
subsequent and all 269A-1 and 269B Helicopters

TIME OF COMPLIANCE: Mandatory at next 100 hour periodic inspection.

PURPOSE: To increase service life of the fuel diaphragm
assembly by incorporation of a steel stem.

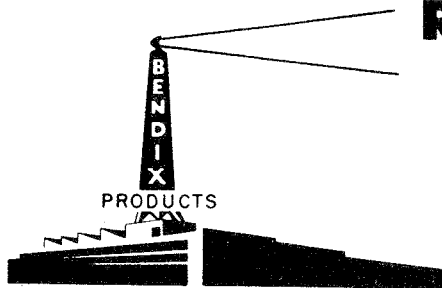
Data contained in Revision 2 of the Bendix Bulletin supersedes in whole or
part the following previously issued service information:

<u>Manufacturer</u>	<u>Title</u>	<u>Number</u>	<u>Date</u>	<u>Supersedes</u>	
				<u>Whole</u>	<u>Part</u>
Bendix	RSA Fuel Injec- tion Service Bulletin	18	1/12/65	X	
		18 Rev. 1	11/3/65	X	
Lycoming	Service Instruc- tion	1127	2/19/65	X	
		1127A	4/2/65		X

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PAGE 2 OF 2

<u>Manufacturer</u>	<u>Title</u>	<u>Number</u>	<u>Date</u>	<u>Supersedes</u>	
				<u>Whole</u>	<u>Part</u>
Hughes	Service Information Letter	2A-1050	4/19/65		X
		2A-1-1019			
		2B-1020			
		2A-1053	6/1/65	X	
		2A-1-1022			
		2B-1023			



RS FUEL INJECTION SERVICE BULLETIN

No. 18, Revision 2

Page 1
Total Pages 2

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

This revision No. 2 cancels and super-
sedes RS Service Bulletin No. 18 Rev. 1

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.

REASON FOR REVISION: To provide positive identification of units requiring rework.

COMPLIANCE:

Operating Activities: Comply with the provisions of this bulletin at next 100 hour inspection on single engine aircraft and at next annual inspection on dual engine aircraft.

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. All parts lists with suffix numbers below those listed, or where a suffix number does not appear, contain the delrin stemmed diaphragm.

<u>Parts List</u>	<u>Serial No./Suffix No.</u>	<u>Parts List</u>	<u>Serial No./Suffix No.</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		

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

PARTS REQUIRED:

<u>Name of Part</u>	<u>Bendix P/N</u>	<u>Unit/Qty.</u>
Fuel Diaphragm Assy.	2523307	1
Cup, Retainer	2523478	1
Nut (2-56)	178491	1
Center Body Bushing	2520895	1
Shim (.030)	367727	1

PARTS REMOVED:

<u>Name of Part</u>	<u>Bendix P/N</u>	<u>Unit/Qty.</u>
Fuel Diaphragm Assy.	2520887 or 2523067	1
Holder, Spring	2520636	1
Center Body Bushing (Used)	2520895	1

SPECIAL MATERIALS REQUIRED: None.

SPECIAL TOOLS REQUIRED: None.

MAN HOURS REQUIRED: Undetermined.

WEIGHT & BALANCE: No effect.