



South Bend, Indiana 46620, U.S.A.

# Service Bulletin

## Fuel Systems

Bulletin No.: RS-79

Date: 2/4/81

Revised: \_\_\_\_\_

Subject: BENDIX FUEL INJECTION SYSTEM RSA-10ED2 PARTS LIST 2524791-4  
MODIFICATION TO ISSUE 5

1. Planning Information:

A. Effectivity:

<u>Engine</u>	<u>Aircraft</u>	<u>Parts List</u>
TIO-540-SIAD	Saratoga (PA-32-30IT)	2524791-4

B. Reason:

To provide instructions to update the subject control.

C. Description:

To improve Mixture Control Resolution.

D. Compliance:

Operating Activities: Comply with the provisions of this bulletin at owner's discretion.

Overhaul Activities: Comply with the provisions of this bulletin when part becomes available.

E. Approval:

None.

F. Manpower:

No change.

G. Material Availability:

<u>Part No.</u>	<u>Nomenclature</u>	<u>Availability</u>
2541326	Plate, Mixture Control	Bendix Product Support Centers 4/81

NOTE: The availability date given at far right is an approximate. Contact Bendix Product Support Centers before ordering part not available as of date of this bulletin.

H. Tooling:

Not affected.

I. Weight and Balance:

Not affected.

J. References:

None.

K. Publications Affected:

RSA-10ED2 Overhaul and Illustrated Parts List Manual, Form 15-700.

2. Accomplishment Instructions.

## A. Operating and overhaul activities comply as follows:

- (1) Remove manual mixture control assembly (Figure 1) from injector housing.
- (2) Remove mixture control plate P/N 2537657 from injector housing and replace with new mixture control plate P/N 2541326.
- (3) Apply a thin film of ASTM No. 5 oil to the back side of the plate which contacts the mixture control valve.

NOTE: ASTM No. 5 oil is procurable from Sun Oil Company, 1608 Walnut Street, Philadelphia, PA 19103.

- (4) Replace manual mixture control assembly to injector housing.
- (5) Install washers, spacer, screw "A" and screw "B" to mixture control housing in the exact locations as taken apart. Tighten screw "A" to a torque value of 15-20 pound-inches. Tighten screw "B" to a torque value of 10-12 pound-inches.
- (6) Install new lockwire in same locations as previously installed.

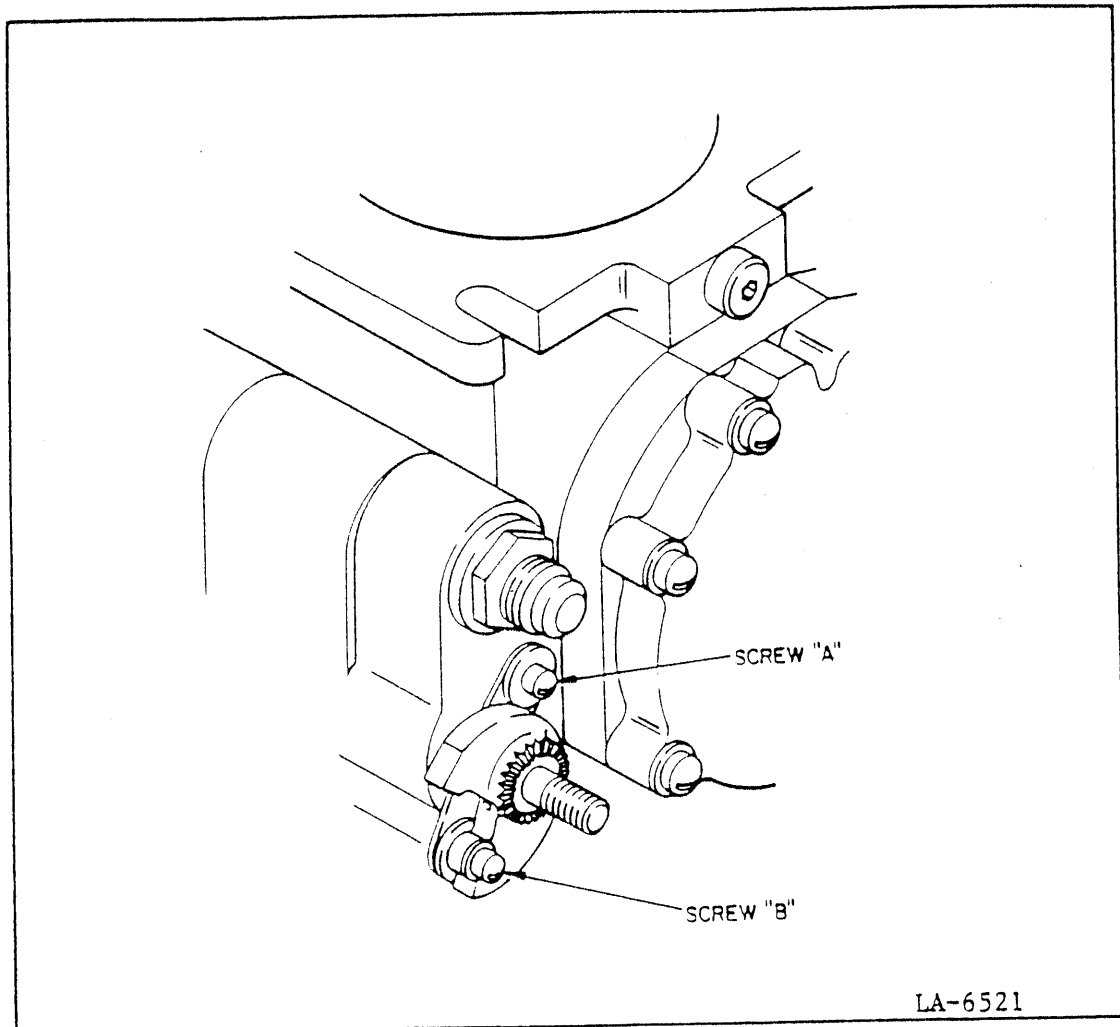


Figure 1. Mixture Control Location

**B. Identification:**

- (1) All modified RSA-10ED2 Fuel Injectors must be reidentified.
- (2) If the identification plate is reused, it is permissible to overstrike the Parts List Number, less any issue changes not incorporated during this and/or previous overhauls.
- (3) 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 issue changes not incorporated during this and/or previous overhauls.
  - (c) I.C. this block should be left blank.

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

Old P/L and Issue No.

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New P/L and Issue No.

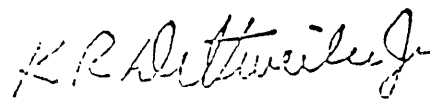
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3. Material Information:

<u>New Part Number</u>	<u>Qty.</u>	<u>Nomenclature</u>	<u>Old Part No.</u>	<u>Disposition</u>
2541326	1	Plate, Mixture Control	2537657	A or B

A. If old plate is serviceable, retain for use on other model fuel injectors.

B. Scrap.



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Manager of Service