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No.1034
ATA Code 34-10

SUBJECT: NAVIGATION/PITOT AND STATIC - IMPROVED SEALING OF THE EMERGENCY STATIC AIR SOURCE VALVE

EFFECTIVITY: BEECHCRAFT Duchess 76, serials ME-1 through ME-63.

REASON: To improve the seal between the emergency static air source valve and the static lines by installing a union on each side of the valve.

COMPLIANCE: Beech Aircraft Corporation considers this to be a mandatory change and it should be accomplished before operating the airplane in instrument weather conditions, but no later than the next 25 service hours.

APPROVAL: FAA Approved - DOA CE-2.

MANPOWER: The following information is for planning purposes only:

Estimated man-hours: 2 hours.
Suggested number of men: 1 man.

MATERIAL: The following parts may be ordered through BEECHCRAFT Aero or Aviation Centers and International Distributors and Dealers.

PART NUMBER	DESCRIPTION	QUANTITY PER AIRPLANE
105-320021-15	Tube	2
or		
* 44SN	Nylo-Seal Tubing	1.8 Inch
* 262N1/4	Union	2
or		
* 262P1/4	Union	2

* P/N of Imperial-Eastman Corporation, 7500 Croname Road, Chicago, Illinois 60648. May be obtained from local sources.

WARRANTY: Warranty credit for parts and labor to the extent noted under MATERIAL and MANPOWER will be allowed for all claims submitted prior to October 31, 1979.

All warranty reimbursements are handled through franchised BEECHCRAFT outlets. Owners and operators may arrange with these outlets to perform the work and submit the standard Beech Aircraft Corporation warranty claim form to the Commercial Service Department, Beech Aircraft Corporation, Wichita, Kansas 67201.

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Beech Aircraft Corporation issues service information for the benefit of owners and fixed base operators in the form of three classes of Service Instructions. CLASS I (Red Border) are changes, inspections, and modifications that could affect safety. The factory considers compliance mandatory. CLASS II (Green Border) covers changes, modifications, improvements or inspections the factory feels will benefit the owner and although highly recommended, they are not considered mandatory compliance, unless specified at the time of issuance. Class I and II are mailed to:

- (a) BEECHCRAFT Aero or Aviation Centers and International Distributors and Dealers.
- (b) Owners of record on the FAA Registration list and the

BEECHCRAFT International Owner Notification Service List.
(c) Those having a publications subscription.

CLASS III (No Border) covers changes which are optional, maintenance aids, product improvement kits and miscellaneous service information. Compliance is at the owner or operator's prerogative. Copies of Class III are distributed per a and c above. Information on Owner Notification Service or Subscriptions can be obtained through any BEECHCRAFT Aero or Aviation Center, International Distributor and Dealer, or the Factory. As Service Instructions are issued, temporary notation in the index should be made until the index is revised. Warranty will be allowed only when specifically defined in the Service Instructions and in accordance with Beech Warranty Policy.

Service Instructions No. 1034

SPECIAL TOOLS: None.

WEIGHT AND BALANCE: None.

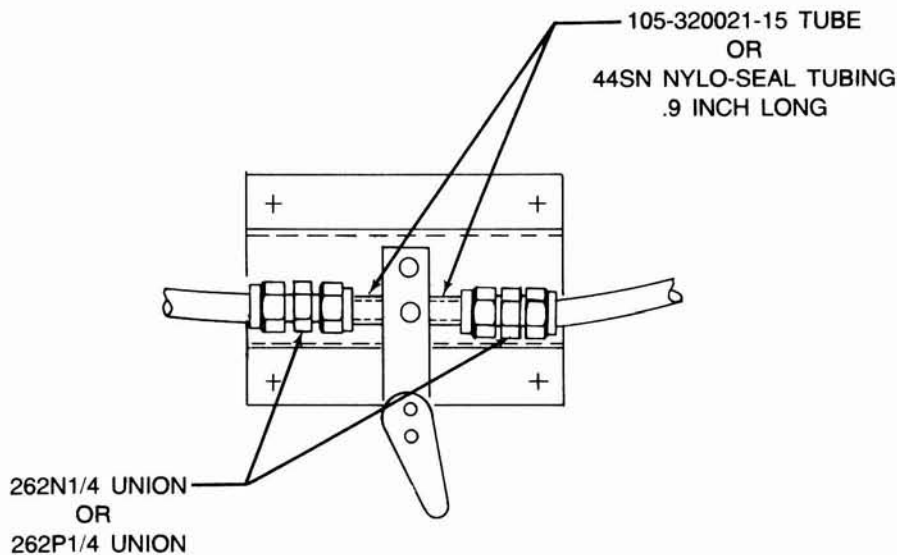
REFERENCES: None.

PUBLICATIONS AFFECTED: It is recommended that a note to "See Service Instructions No. 1034" be made in all Duchess 76 Parts Catalog copies, P/N 105-590000-9 or subsequent, Chapter 34-10.

ACCOMPLISHMENT INSTRUCTIONS:

These Service Instructions may be accomplished as follows:

1. Remove the upholstery panel forward of the left cabin door to gain access to the emergency static air source valve.
2. Disconnect the static air lines from both ends of the emergency static air source valve.
3. Trim .9 inch off of the end of both static air lines.
4. Attach a P/N 105-320021-15 tube or a .9 inch long piece of P/N 44SN Nylo-Seal tubing to both sides of the emergency static air source valve as shown in the illustration.



5. Connect the static air lines to the tubes on the emergency static air source valve with two P/N 262N1/4 or two P/N 262P1/4 unions as shown in the illustration.
6. The static system should be checked for leaks as specified in Federal Aviation Regulations 91.170 and Appendix E of Part 43.
7. Reinstall the upholstery panel.

RECORD COMPLIANCE: Upon completion of these Service Instructions, make an appropriate maintenance record entry.