



CLASS II

SERVICE INSTRUCTIONS

19, 23, 24

No. 0603-394
ATA Code 34-10

Kit No. 23-5006-1 S
Kit No. 23-5006-3 S

SUBJECT: INSTRUMENTS - PITOT AND STATIC SYSTEM - MODIFICATION OF STATIC AIR SYSTEM TO REDUCE MOISTURE ACCUMULATION

EFFECTIVITY: PART I

The following aircraft which have not accomplished Service Instructions No. 0067-394; BEECHCRAFT A23-19, 19A, M19A and B19, serials MB-1 through MB-377; 23, A23 and A23A, serials M-1 through M-1155; A23-24, serials MA-1 through MA-333.

PART II

All aircraft listed under Part I which have accomplished Service Instructions No. 0067-394 and the following aircraft:
BEECHCRAFT 19A and B19, serials MB-378 through MB-520;
Sport B19, serials MB-521 through MB-656;
B23 and C23, serials M-1156 through M-1361;
Sundowner C23, serials M-1362 through M-1524;
A23-24 and A24, serials MA-334 through MA-368;
A24R, serials MC-2 through MC-95;
Sierra A24R and B24R, serials MC-96 through MC-229.

NOTE

These Service Instructions supersede Service Instructions No. 0067-394.

REASON: To minimize the possibility of moisture in the static system.

COMPLIANCE: At the owner's discretion.

DESCRIPTION: PART I

Existing static air buttons are to be removed and replaced with improved static air buttons having three holes angled into the body to reduce the possibility of moisture entering the system. The existing static lines from the buttons to the tee, and the tee are to be removed and replaced with parts having a larger inside diameter.

PART II

Existing static lines from the static air buttons to the tee, and the tee are to be removed and replaced with parts having a larger inside diameter.

AW-344

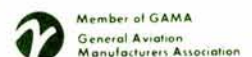
Beech Aircraft Corporation issues service information for the benefit of owners and fixed base operators in the form of three classes of Service Instructions. CLASS I (Red Border) are changes, inspections, and modifications that could affect safety. The factory considers compliance mandatory. CLASS II (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.

98-34238D



CLASS II

Service Instructions No. 0603-394

APPROVAL: FAA Approved - DOA CE-2.

MANPOWER: The following information is for planning purposes only:

PART I

Estimated man-hours: 4 hours.
Suggested number of men: 2 men.

PART II

Estimated man-hours: 3.5 hours.
Suggested number of men: 1 man.

MATERIAL: Parts required for this modification are contained in Kit No. 23-5006-1 S for Part I and Kit No. 23-5006-3 S for Part II. The kits are available through your BEECHCRAFT Parts and Service Outlet. Prices are to be advised.

WARRANTY: BEECHCRAFT Warranty on a new airplane is 180 days from delivery or 180 days from the date noted on the Owner Warranty Card. Parts and labor noted herein will be allowed on BEECHCRAFTS within warranty at the time these Service Instructions are released.

SPECIAL TOOLS: None.

WEIGHT AND BALANCE: None.

REFERENCES: None.

PUBLICATIONS AFFECTED: It is recommended that a note be made on Figure 394 of all Parts Catalog copies and in Section 2 of all Shop Manual copies to "See Service Instructions No. 0603-394."

ACCOMPLISHMENT INSTRUCTIONS: This modification is accomplished as follows:

PART I

1. Remove the aft bulkhead panel in the baggage compartment to gain access to the tail of the aircraft.
2. Disconnect the static lines from the static buttons and remove and discard the static buttons from the aircraft.

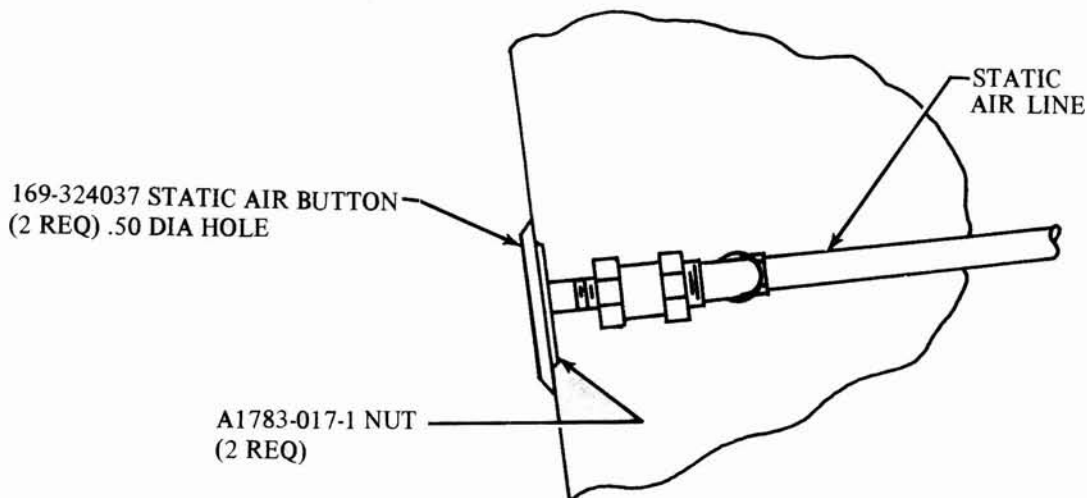


Figure 1. Static Air Button Installation

3. Remove and discard the two tubing clamps and clips from the static lines.
4. Remove the two static lines and the tee from the aircraft.
5. Ream the static button holes in the fuselage skin to .50-inch in diameter. Deburr and prime the bare metal around the holes as necessary.
6. Install the new P/N 169-324037 static air buttons as shown in Figure 1.
7. Install the new P/N 169-580001-281 tubes, P/N 103B 1/8X1/8 elbows and P/N 279P 3/8X1/4 reducing tee as shown in Figure 2. The securing clamps which were removed in step 3 are to be omitted.
8. Reinstall the aft bulkhead panel.
9. Perform a static system check in accordance with FAA Manual AC43.13-1A.

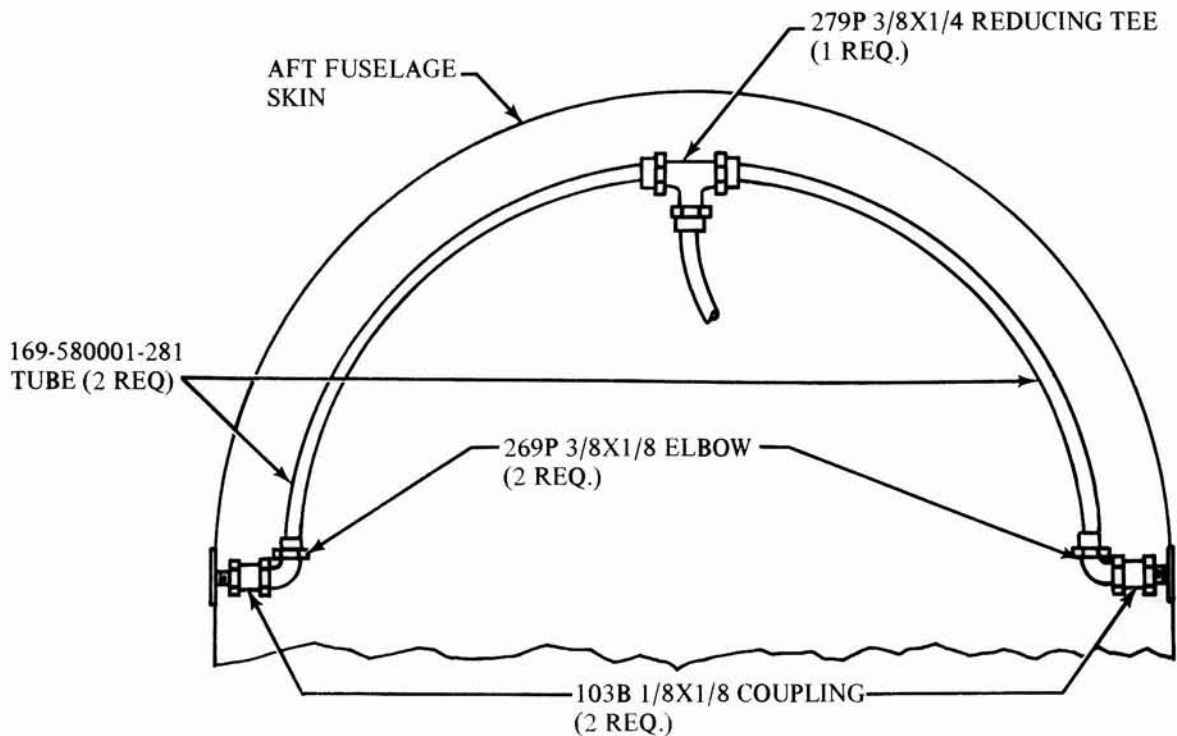


Figure 2. Modification of Static Air System.

PART II

1. Remove the aft bulkhead panel in the baggage compartment.
2. Disconnect the two static lines from the static buttons and discard the attaching fittings.
3. Remove and discard the two tubing clamps and clips from the static lines.
4. Remove and discard the two static lines and the tee.
5. Install the new P/N 169-580001-281 tubes, P/N 103B 1/8X1/8 couplings, P/N 269P 3/8X1/8 elbows and P/N 279P 3/8X1/4 tee as shown in Figure 2. The securing clamps which were removed in step 3 are to be omitted.
6. Reinstall the aft bulkhead panel.
7. Perform a static system check in accordance with FAA Manual AC43.13-1A.

RECORD COMPLIANCE:

Upon completion of these Service Instructions, make an appropriate maintenance record entry specifying the kit serial number and the kit identification number. It is recommended that the parts list contained in the kit be filed for future reference until the listing of parts is incorporated into the Parts Catalog.