



# CLASS I SERVICE INSTRUCTIONS

24, 76

No. 1156  
ATA Code 32-30

**SUBJECT:** LANDING GEAR - INSTALLATION OF A FITTING ON THE LANDING GEAR SAFETY SWITCH

**EFFECTIVITY:** BEEHCRAFT A24R, serials MC-2 through MC-95;  
A24R, B24R and C24R Sierra 200, serials MC-96 through MC-743;  
Duchess 76, serials ME-1 through ME-375.

**REASON:** To reduce the possibility of moisture entrapment and improve the reliability of the landing gear safety switch by installing a fitting on the switch.

**COMPLIANCE:** Beech Aircraft Corporation considers this to be a mandatory modification and it should be accomplished at the next scheduled inspection.

**APPROVAL:** FAA Approved - DOA CE-2.

**MANPOWER:** The following information is for planning purposes only:

Estimated man-hours: .5 hour.  
Suggested number of men: 1 man.

**MATERIAL:** The P/N 116B02 elbow required for this modification may be ordered through BEEHCRAFT Aero or Aviation Centers and International Distributors and Dealers. The value of the parts required to incorporate these Service Instructions on one airplane is to be advised. Price, when issued, will be subject to change without notice.

The elbow may also be obtained from local sources as P/N 116-B-02 (P/N of I-T-E Imperial Corporation subsidiary of Gould Incorporated, Valve and Fittings Division, 6300 W. Howard St., Chicago, IL 60648).

**WARRANTY:** BEEHCRAFT warranty on a new airplane is 180 days from delivery or 180 days from the date noted on the Owner Warranty Card. Warranty credit for parts and labor to the extent noted under MATERIAL and MANPOWER will be allowed on BEEHCRAFTS within warranty at the time these Service Instructions are released.

All warranty reimbursements are handled through franchised BEEHCRAFT Aero or Aviation Centers and International Distributors and Dealers. Owners and operators should arrange with these outlets to perform the work and have them submit the standard Beech Aircraft Corporation warranty claim form through BEEHCRAFT Parts and Equipment Marketing Wholesalers or International Distributors.

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

BEEHCRAFT 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 BEEHCRAFT 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.

98-34239D

CLASS I

## Service Instructions No. 1156

**SPECIAL TOOLS:** None.

**WEIGHT AND BALANCE:** None.

**REFERENCES:** BEEHCRAFT 19, 23 and 24 series Shop Manual, P/N 169-590015F or subsequent, Section 3;  
BEEHCRAFT Duchess 76 Maintenance Manual, P/N 105-590000-7 or subsequent, Chapter 33-30.

**PUBLICATIONS AFFECTED:** It is recommended that a note to "See Service Instructions No. 1156" be made in the following:

BEEHCRAFT 19, 23 and 24 series Parts Catalog copies, P/N 169-590012I or subsequent, Figure 394;  
BEEHCRAFT 19, 23 and 24 series Parts Catalog copies, P/N 169-590026C or subsequent, Figure 394;  
BEEHCRAFT Duchess 76 Parts Catalog copies, P/N 105-590000-9B or subsequent, Chapter 34-10.

### ACCOMPLISHMENT INSTRUCTIONS:

These Service Instructions may be accomplished as follows:

1. Locate the landing gear safety switch which is mounted under the instrument panel on the left sidewall.

#### NOTE

If the airplane is equipped with an optional "Magic Hand" landing gear system (24R series only), there will be two pressure switches under the instrument panel. The pressure switch on the firewall is for the "Magic Hand" system and the switch on the left sidewall is the landing gear safety switch.

2. Wrap the threads of a P/N 116B02 elbow with one wrap of teflon thread tape (obtain locally) and install the elbow in the static (open) port of the landing gear safety switch. The open end of the elbow must point downward after installation.

3. Refer to the Shop/Maintenance Manual and perform a landing gear retraction test. The landing gear safety switch should allow the landing gear to retract at 59 to 63 knots (68 to 72 MPH).

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