

76

No. 1098
ATA Code 32-40

SUBJECT: LANDING GEAR - INSTALLATION OF AN IMPROVED BRAKE HOSE

EFFECTIVITY: BEECHCRAFT Duchess 76, serials ME-1 through ME-318.

REASON: To reduce the possibility of the brake hose chafing against the landing gear fork by installing an improved brake hose.

COMPLIANCE: At the owner's discretion, or when replacement of the brake line becomes necessary.

NOTE

On ME-1 through ME-228 BEECHCRAFT Service Instructions No. 1073, to install an improved flathead pin on the main landing gear fork pin, must be accomplished prior to or concurrently with these Service Instructions.

APPROVAL: FAA Approved - DOA CE-2.

MANPOWER: The following information is for planning purposes only:
Estimated man-hours: 3 hours.
Suggested number of men: 1 man.

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

PART NUMBER	DESCRIPTION	QUANTITY PER AIRPLANE
105-810019-13	Hose Assembly	2
TY35M	Cable Tie	2

The value of the parts required to incorporate these Service Instructions on one airplane is to be advised. Prices, when issued, will be subject to change without notice.

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CLASS II

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

Service Instructions No. 1098

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 all BEEHCRAFTS within warranty at the time these Service Instructions are released.

All warranty reimbursements are handled through franchised BEEHCRAFT 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.

SPECIAL TOOLS: None.

WEIGHT AND BALANCE: None.

REFERENCES: BEEHCRAFT Duchess 76 Maintenance Manual, P/N 105-590000-7 or subsequent, Chapters 32-40 and 91-00.

PUBLICATIONS AFFECTED: It is recommended that a note to "See Service Instructions No. 1098" be made in all BEEHCRAFT Duchess 76 Parts Catalog copies, P/N 105-590000-9B or subsequent, Chapter 32-42.

ACCOMPLISHMENT INSTRUCTIONS:

These Service Instructions may be accomplished as follows:

1. Remove the cotter pin from the main landing gear knee pin retaining pin and remove the cable tie which secures the brake hose.
2. Remove the clamps which secure the brake hose to the main landing gear housing.
3. Remove the brake hose from between the brake and the tube in the wheel well.
4. Install a new P/N 105-810019-13 hose assembly between the brake and the tube in the wheel well. Install the new hose assembly with the protective sleeve over the pivot point between the main landing gear housing and fork.
5. Reinstall the clamps which were removed in step 2 to secure the brake hose to the main landing gear housing.
6. Install a new P/N TY35M cable tie on the retaining pin using a new P/N MS24665-132 cotter pin. Tighten the cable tie sufficiently around the brake hose to ensure that the brake hose does not chafe against the main landing gear housing ear.
7. Repeat steps 1 through 6 on the other brake hose.
8. Refer to the Duchess 76 Maintenance Manual, Chapters 32-30 and 32-40 to bleed the brakes and perform a landing gear retraction test.

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