

19, 23, 24

No. 1084
ATA Code 32-40

SUBJECT: LANDING GEAR - INSTALLATION OF A CLAMP TO SECURE THE BRAKE LINE TO THE LANDING GEAR FORK

EFFECTIVITY: BEECHCRAFT A23-19, 19A, M19A and B19, serials MB-1 through MB-520; B19 Sport 150, serials MB-521 through MB-905; 23, A23, A23A, B23 and C23, serials M-2 through M-1361; C23 Sundowner 180, serials M-1362 through M-2128; A23-24 and A24, serials MA-2 through MA-368.

REASON: To improve the service life and reliability of the main landing gear housing.

COMPLIANCE: Beech Aircraft Corporation recommends that this modification be accomplished as soon as possible, but no later than the next scheduled inspection.

DESCRIPTION: The brake line is secured to the landing gear fork by using a longer clevis pin through the knee pin and a cable tie to secure the brake line to the clevis pin.

APPROVAL: FAA Approved - DOA CE-2.

MANPOWER: The following information is for planning purposes only:

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

MATERIAL: The following parts, if required for this modification may be ordered through BEECHCRAFT Aero or Aviation Centers and International Distributors and Dealers. Cable ties, washers and pins required may be obtained from local sources.

PART NUMBER	DESCRIPTION	QUANTITY
MS20392-1C67	Pin	2 per airplane
*TY35M	Cable Tie	2 per airplane
AN960-4L	Washer	6 per airplane
AN380-2-7	Pin	2 per airplane
**169-810011-25	Housing	2 per airplane

No BECP
1079 II

1 of 3

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. 1084

*P/N of Thomas and Betts, Elizabeth, N. J.

**See Accomplishment Instructions step 2. This part should be ordered only if it is needed as determined in step 2.

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

WARRANTY:

BEECHCRAFT 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 BEECHCRAFTS within warranty at the time these Service Instructions are released.

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.

SPECIAL TOOLS:

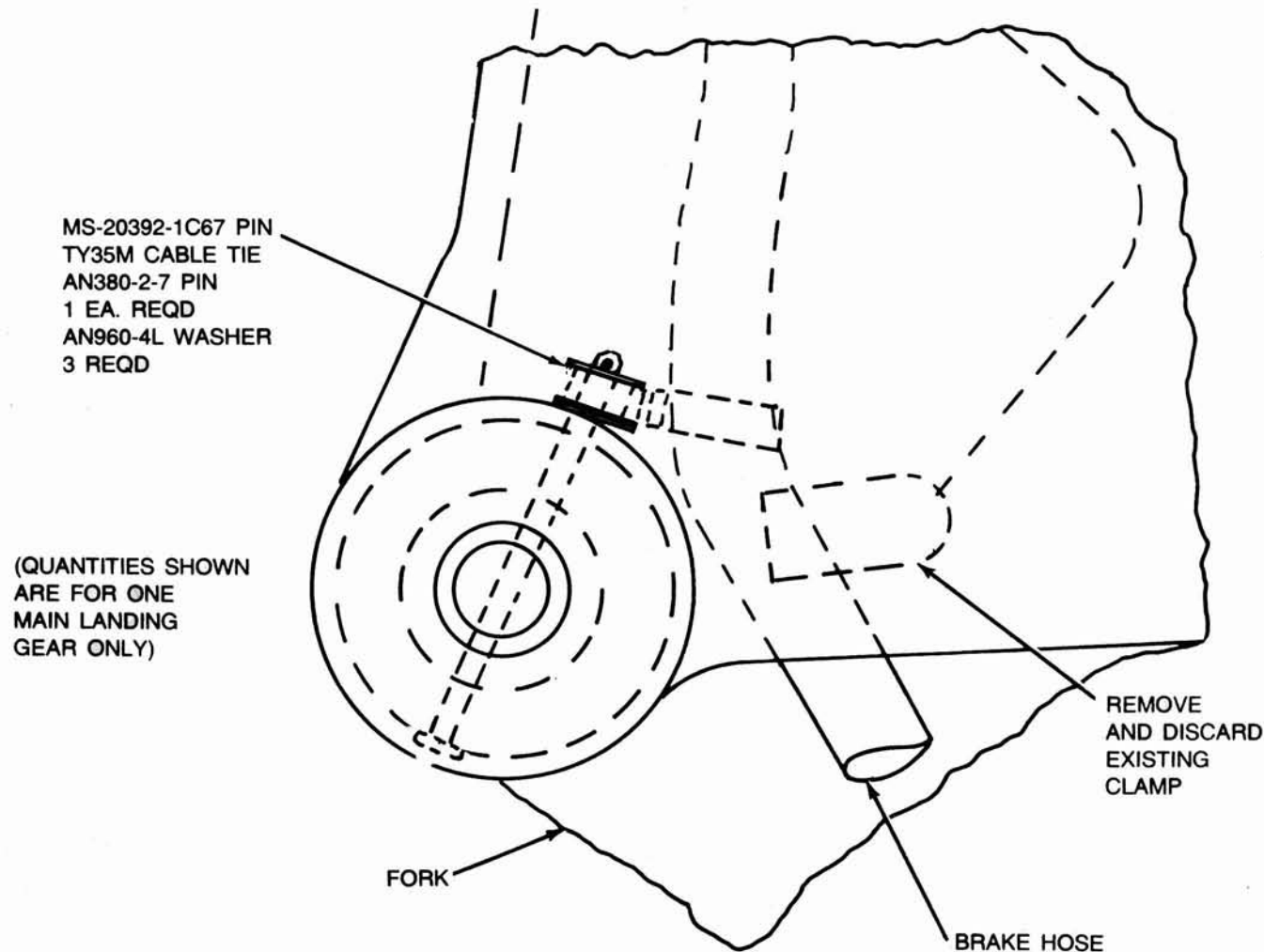
None.

WEIGHT AND BALANCE:

None.

REFERENCES:

AC43.13-1A, FAA Aircraft Inspection and Repair Manual.



PUBLICATIONS AFFECTED: It is recommended that a note to "See Service Instructions No. 1084" be made in the following:

19, 23 and 24 series Shop Manual copies, P/N 169-590015F or subsequent, Section 3.

19, 23 and 24 series Parts Catalog copies, P/N 169-590012I or subsequent, Figure 202;

B19, C23 and C24R series Parts Catalog copies, P/N 169-590026C or subsequent, Figure 202.

**ACCOMPLISHMENT
INSTRUCTIONS:**

These Service Instructions may be accomplished as follows:

1. Remove and discard the AN742-8 clamp which attaches the brake line to the landing gear housing (See illustration).
2. Using dye penetrant procedures as outlined in AC43.13-1A, inspect the area around the clamp attach bolt hole in the magnesium housing for possible cracks. If cracks are found, discard the housing and replace it with a new 169-810011-25 housing assembly. (Refer to the Shop Manual for removal and replacement instructions for the housing.)
3. Remove and discard the clevis pin which secures the knee pin to the main landing gear fork (See illustration). Replace this pin with a new MS20392-1C67 clevis pin, installed with the flat head on the bottom forward side of the fork and the drilled end facing aft and up.
4. Attach a TY35M nylon cable tie to the clevis pin with two AN960-4L washers between the cable tie and the landing gear fork, and one AN960-4L washer between the cable tie and the clevis pin head. The boss of the cable tie should be facing the fork (See illustration).
5. Place the cable tie around the brake line hose and tighten sufficiently to reduce the possibility of the hose chafing against the landing gear housing. A loop of approximately 1 inch diameter should be adequate.

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