



CLASS I SERVICE INSTRUCTIONS

77

No.1119
ATA Code 27-10

SUBJECT: FLIGHT CONTROLS - REPLACEMENT OF AILERON TORQUE TUBE BEARINGS

EFFECTIVITY: BEECHCRAFT Skipper 77, serials WA-1 through WA-78, WA-80 through WA-86 and WA-88.

REASON: To reduce the possibility of the aileron torque tube binding in the flap spool and interfering with proper movement of the ailerons.

COMPLIANCE: Beech Aircraft Corporation considers this to be a mandatory modification and it should be accomplished as soon as possible after receipt of these Service Instructions, but no later than the next 10 service hours.

APPROVAL: FAA Approved - DOA CE-2.

MANPOWER: The following information is for planning purposes only:

Estimated man-hours: 8 hours.
Suggested number of men: 2 men.

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
108-160010-39	Bushing	2
*LOCTITE RC/601 or *LOCTITE 2214	Bearing Mount	As Required
	Bearing Mount	As Required

*P/N of Loctite Corporation, 705 N. Mountain Road, Newington, CT 06111. May be obtained from local sources.

WARRANTY: Warranty credit for parts and labor to the extent noted under MATERIAL and MANPOWER will be allowed on all claims submitted prior to August 31, 1980.

DJ-78
280 I

1 of 2

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.

98-34239D



CLASS I

Service Instructions No. 1119

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 Skipper 77 Maintenance Manual, P/N 108-590000-7 or subsequent, Chapter 27-10.
- PUBLICATIONS AFFECTED:** It is recommended that a note to "See Service Instructions No. 1119" be made in all BEEHCRAFT Skipper 77 Parts Catalog copies, P/N 108-590000-9 or subsequent, Chapter 57-50.

ACCOMPLISHMENT INSTRUCTIONS:

These Service Instructions may be accomplished as follows:

1. Refer to the Skipper 77 Maintenance Manual, Chapter 27-10 and remove the ailerons.
2. Drill out the rivets which attach the P/N 108-130010-17 bearing halves to the aileron torque tubes. The bearing halves are located on the aileron torque tube at the inboard end of the ailerons.
3. Remove and discard the bearing halves and inspect the inside of the flap torque tubes, spools and aileron torque tubes to ensure that all debris is cleaned out.
4. Deburr the holes in the aileron torque tube where the rivets were removed and prime bare areas with zinc chromate primer.
5. Remove all paint from the inside of the P/N 108-160010-7 spools on the outboard end of the flaps.
6. Apply Loctite RC/601 or Loctite 2214 bearing mount compound to the outer surface of the P/N 108-160010-39 bushings and insert the bushings into the spools on the outboard end of the flaps.

NOTE

Clean the mating surfaces of the bushings and spools and apply the Loctite as specified in the manufacturer's instructions on the container.

7. Allow the Loctite to harden undisturbed for at least three hours (or as specified in the instructions on the container) before reinstalling the ailerons.
8. Refer to the Skipper 77 Maintenance Manual, Chapter 27-10 and reinstall the ailerons.
9. Check the flaps and ailerons for proper operation and freedom of movement.

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