

77

No. 1194
ATA Code 27-30

Kit No. 77-4002-1 S

- SUBJECT:** FLIGHT CONTROLS - REPLACEMENT OF THE ELEVATOR TRIM TAB CABLE AND DRUM
- EFFECTIVITY:** BEECHCRAFT Skipper 77, serials WA-1 through WA-41.
- REASON:** To provide a method of replacing the original parts, which are no longer available, with a chain and sprocket.
- COMPLIANCE:** At the owner's option or when the elevator trim tab cable and/or drum requires replacement.
- APPROVAL:** Engineering data contained in these Service Instructions is FAA approved.
- MANPOWER:** The following information is for planning purposes only:

Estimated man-hours: 4 hours.
Suggested number of men: 1 man.
- MATERIAL:** The parts required to accomplish these Service Instructions are contained in Kit No. 77-4002-1 S. The kit may be ordered through BEECHCRAFT Aero or Aviation Centers and International Distributors and Dealers.
- The value of the kit required to incorporate these Service Instructions on one airplane is to be advised. Price, when issued, will be subject to change without notice. Beech Aircraft Corporation reserves the right to supersede, cancel and/or declare obsolete any kits or publications that may be referenced in these Service Instructions without prior notice.

NOTICE

All BEECHCRAFT kits, unless otherwise designated, are approved for installation on BEECHCRAFT airplanes in original or BEECHCRAFT modified configurations only. BEECHCRAFT kits may not be compatible with airplanes modified by STC installations or modifications other than BEECHCRAFT approved kits.

WARRANTY: None.

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- (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.



Service Instructions No. 1194

SPECIAL

TOOLS: None.

WEIGHT AND BALANCE:

None.

REFERENCES:

BEEHCRAFT Skipper 77 Maintenance Manual, P/N 108-590000-7 or subsequent, Chapter 27-30.

PUBLICATIONS

AFFECTED:

It is recommended that a note to "See Service Instructions No. 1194" be made in all BEEHCRAFT Skipper 77 Parts Catalog copies, P/N 108-590000-9 or subsequent, Chapter 27-30.

ACCOMPLISHMENT

INSTRUCTIONS:

These Service Instructions may be accomplished as follows:

1. Remove the elevator trim tab forward cable and drum assembly as described in the Maintenance Manual, Chapter 27-30.

2. Drill two .190/.194 inch diameter holes in the elevator trim tab control wheel bracket as shown in the illustration.

3. Position the chain of the 108-520132-1 cable assembly over the 108-520012-55 sprocket, ensuring that cable ends are of equal length.

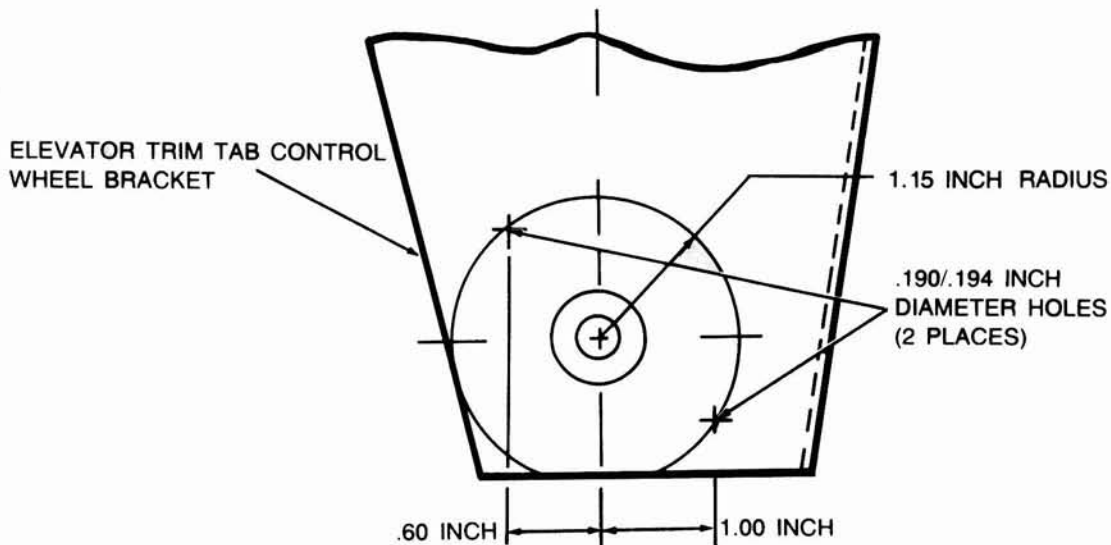
4. Slide the trim tab control wheel into place in the bracket. Hold the sprocket in place as the control wheel shaft slips through the sprocket and bracket. Do not install the control wheel washer and retaining pin at this time.

5. Install the sprocket retaining pin which was removed in Step 1 through the sprocket and shaft and safety with MS20995C41 safety wire (obtain locally).

6. Route the cables in the same manner as the cables which were removed in Step 1 and rig the elevator trim tab system as described in the Maintenance Manual, Chapter 27-30.

7. Install the cable guard pins, which were removed in Step 1, into the new holes which were drilled in Step 2.

8. Ensure proper travel and direction of the tab and reinstall any equipment or hardware removed to accomplish these Service Instructions.



RECORD COMPLIANCE:

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