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No. 0758-155
ATA Code 27-00

SUBJECT: FLIGHT CONTROLS - CONTROL COLUMN - INSPECTION OF CONTROL COLUMN INSTALLATION

EFFECTIVITY: BEEHCRAFT A24R and B24R Sierra 200, serials MC-2 through MC-333.

REASON: To inspect for proper clearance between the forward stabilator control cable pulley and the control cable clevis.

COMPLIANCE: At the owner's discretion, however, Beech Aircraft Corporation recommends that this be accomplished as soon as practical, but no later than the next scheduled inspection.

DESCRIPTION: The stabilator control cable is inspected for clearance between the forward stabilator control cable pulley and the control cable clevis and rerigged if necessary.

APPROVAL: FAA Approved - DOA CE-2.

MANPOWER: The following information is for planning purposes only:

Estimated man-hours for inspection: 1 hour.
Estimated man-hours for adjustment: 2.5 hours.
Suggested number of men: 1 man.

MATERIAL: None.

WARRANTY: BEEHCRAFT Warranty on a new airplane is 180 days from delivery or 180 days from the date noted on the Owner Warranty Card. Labor noted herein will be allowed on BEEHCRAFTS within warranty at the time these Service Instructions are released if adjustment is required.

SPECIAL TOOLS: None.

WEIGHT AND BALANCE: None.

REFERENCES: BEEHCRAFT 19, 23 and 24 series Shop Manual, P/N 169-590015F or subsequent.

PUBLICATIONS AFFECTED: It is recommended that a note to "See Service Instructions No. 0758-155" be made on all 19, 23 and 24 series Shop Manual copies, P/N 169-590015F or subsequent, Section 3.

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- BEEHCRAFT Aero or Aviation Centers and International Distributors and Dealers.
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Service Instructions No. 0758-155

ACCOMPLISHMENT INSTRUCTIONS:

This inspection may be accomplished as follows:

1. Remove the control lock from the pilots control shaft and place the control column full forward making sure the stabilator down travel stop in the aft section is contacted. See Figure 3-12 in the Shop Manual for down travel stop location.

NOTE

If down travel stop contact is not made, the stabilator control cable must be rerigged as instructed in the Shop Manual. Do not safety wire the turnbuckles at this time.

2. Using a flashlight, inspect the stabilator control cable clevis attached to the lug welded to the forward side of the control column for proper clearance from the forward pulley. The pulley is located under the instrument panel on top of the console and forward of the control column. If clearance exists, and no adjustment was required in step 1, replace any structure removed and no further action will be required. If clearance exists, and an adjustment was made in step 1, proceed to step 4. If contact is being made proceed with step 3.

3. Establish clevis and pulley clearance in the following manner:

- a. Ensure that the stabilator balance weight maintains contact with the stabilator down travel stop in the aft fuselage during adjustment.
- b. Place a reference mark on the control wheel tube at the point of entry into the face of the instrument panel assembly at the plastic bearing.
- c. Adjust the stabilator control cables to move the control column aft .34-inch by measuring from the face of the instrument panel assembly to the reference mark.

4. Adjust the cable tension as noted on the Cable Tension Temperature Chart, Figure 3-8 of the Shop Manual.

5. Safety wire the turnbuckles with MS20995N40 safety wire and replace any structure removed to accomplish these Service Instructions.

RECORD COMPLIANCE:

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