



CLASS I

SERVICE INSTRUCTIONS

19, 23, 24

No. 0751-157
ATA Code 51-00

SUBJECT: FLIGHT CONTROLS - PEDESTAL STRUCTURE - INSPECTION OF FLAP AND STABILATOR TAB CONTROL PEDESTAL

EFFECTIVITY: BEECHCRAFT B19 Sport 150, serials MB-617 through MB-737;
C23 Sundowner 180, serials M-1486 through M-1605;
B24R Sierra 200, serials MC-181 through MC-309;
that have manual flap systems.

Also any of the following airplanes that have complied with Service Instructions No. 0622-289 and have manual flaps.

A23-19, 19A, M19A and B19, serials MB-1 through MB-520;
B19 Sport 150, serials MB-521 through MB-616;
23, A23, A23A, B23 and C23, serials M-2 through M-1361;
C23 Sundowner 180, serials M-1362 through M-1485;
A23-24, serials MA-1 through MA-368;
A24R, serials MC-2 through MC-95;
A24R and B24R Sierra 200, serials MC-96 through MC-180.

REASON: To provide additional spacing, if required, between the flap handle and the fuel selector valve handle to preclude the possibility of inadvertent actuation of the fuel selector when grasping the flap handle.

COMPLIANCE: Beech Aircraft Corporation considers this inspection to be mandatory and it should be accomplished as soon as practical but no later than the next 25 service hours. An A.D. has been requested on this subject.

DESCRIPTION: The distance between the flap handle and fuel selector valve is determined and the front of the flap control and stabilator tab mechanism is relocated to the left, away from the fuel selector valve, if necessary.

APPROVAL: FAA Approved - DOA CE-2.

MANPOWER: The following information is for planning purposes only:

Estimated man-hours for inspection: Negligible.
Estimated man-hours for modification: 6 hours.
Suggested number of men for each of the above: 1 man.

AW-1015
775

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.

98-34239D



CLASS I

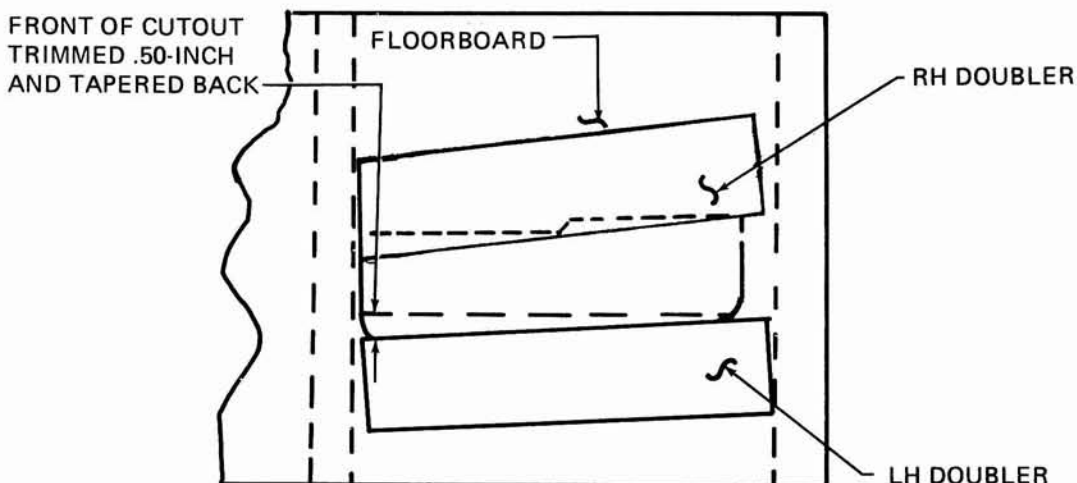
Service Instructions No. 0751-157

MATERIAL:	Parts required for this modification may be obtained locally.
WARRANTY:	Warranty credit will be allowed for parts and labor not to exceed the man-hours listed under Manpower on warranty claims received prior to March 1, 1976.
SPECIAL TOOLS:	None.
WEIGHT AND BALANCE:	None.
REFERENCES:	BEECHCRAFT 19, 23 and 24 series Shop Manual, P/N 169-590015F or subsequent. Service Instructions No. 0622-289.
PUBLICATIONS AFFECTED:	It is recommended that a note to "See Service Instructions No. 0751-157" be made on all 19, 23, and 24 series Parts Catalog copies P/N 169-590012H or subsequent, Figure 98.
ACCOMPLISHMENT INSTRUCTIONS:	These Service Instructions may be accomplished as follows:

NOTE

Measure the distance between the center line of the fuel selector valve handle shaft and the center line of the flap handle to determine if this modification is required. If the distance is less than 2.9 inches, proceed with the following steps.

1. Remove both front seats, both inboard seat belts, the fuel selector valve handle and guard and the center floor carpet. Remove the rubber bumper from the floor under the flap handle.
2. Drill out the rivets that attach the pedestal to the floor, using a No. 30 (.1285-inch) drill bit. Remove the two forward and two aft screws that attach the pedestal to the floor and retain them. Move the pedestal to one side to gain access to the cutout area.
3. Trim the cutout in the floor .50-inch as shown in the illustration and fabricate two doublers 2.0 x 9.0-inches using .040-inch 2024-T3 aluminum alclad flat sheet.
4. Install the aft left hand screw attaching the pedestal to the floor but do not tighten.
5. Move the front of the pedestal .50-inch to the left of its original position and install one doubler on the left hand side of the cutout between the pedestal and the floorboard, flush with the trimmed edge of the cutout (see illustration). Using the existing holes in the pedestal as guides, drill holes through the doubler and floorboard with a No. 30 (.1285-inch) bit and trim the doubler to fit as required. Attach the doubler and pedestal to the floor with temporary fasteners.
6. Install the right hand doubler as shown in the illustration. Drill holes through the doubler and pedestal using the holes in the pedestal as guides with a No. 30 (.1285-inch) bit and attach the doubler and pedestal to the floor with temporary fasteners.



7. With a No. 30 (.1285-inch) bit, drill 6 holes, equally spaced, along the outboard edges of each doubler, with an edge distance of $.25 \pm .03$ -inch.
8. Determine how much the aft right hand hole will have to be elongated to accept the screw that was removed in step 2, remove the fasteners and elongate the hole as required.

NOTE

Holes which have a short edge distance along the cutout or are slightly elongated during this modification will be permissible.

9. Deburr the holes and clean the debris from the interior, reposition the two clipnuts at the new holes for the forward screws and reidentify the floor as P/N 169-400005-885 (was 169-400005-429).
10. Install the doublers and pedestal using MS20470AD4 rivets, (obtained locally), of the appropriate length, and reinstall the four screws removed in step 2.
11. If necessary, rerig the flap and stabilator tab controls as described in the Shop Manual. Reinstall the rubber bumper, the fuel selector valve guard and handle, seat belts and front seats that were removed in step 1.

RECORD COMPLIANCE:

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