



CLASS II

SERVICE INSTRUCTIONS

CLASS II

19, 23, 24

No. 0510-032
ATA Code 57-30

SUBJECT: WING - WING ASSEMBLY - INSTALLATION OF STRAP BELOW WING AILERON PUSH ROD OPENING.

EFFECTIVITY: BEECHCRAFT Model A23-19, 19A, M19A, B19, serials MB-1 through MB-520.
Models 23, A23, A23A, B23, C23, serials M-2 through M-1361.
Models A23-24, A24, serials MA-1 through MA-368.
Models A24R, serials MC-2 through MC-95.

BEECHCRAFT Sport B19, serials MB-521 through MB-545 and MB-547.
Sundowner C23, serials M-1362 through M-1415.
Sierra A24R, serials MC-96 through MC-127.

REASON: Provide a strap to avoid inadvertent installation of the LH aileron on the RH wing and/or the RH aileron on the LH wing.

COMPLIANCE: At the next scheduled inspection.

DESCRIPTION: A strap is installed across the opening in the wing closure strip under the aileron push rod.

APPROVAL: FAA approved - DOA CE-2.

MANPOWER: The following information is for planning purposes only:

Estimated man hours: 2 hours.
Suggested number of men: 1 man.

MATERIAL: The following parts are required to accomplish this modification and may be obtained through the BEECHCRAFT Sales and Service Outlets.

PART NUMBER	DESCRIPTION	QUANTITY	PRICE*
169-110000-481	Strap	2 per aircraft	\$2.60 each
CR2249-4-3	Rivet	6 per aircraft	\$4.50**

*Suggested selling price. (Subject to change without notice.)
**Price for a minimum buy quantity of 10.

SPECIAL TOOLS: None.

WEIGHT AND BALANCE: None.

REFERENCES: BEECHCRAFT 19, 23 and 24 Series Shop Manual, P/N 169-590015E or subsequent.

PUBLICATIONS AFFECTED: It is recommended that a note be made on Figures 32 and 32A of all parts catalog copies to "See Service Instructions No. 0510-032." The same note should be added to Section 3 of all shop manual copies.

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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. 0510-032

ACCOMPLISHMENT INSTRUCTIONS:

The straps may be installed as follows:

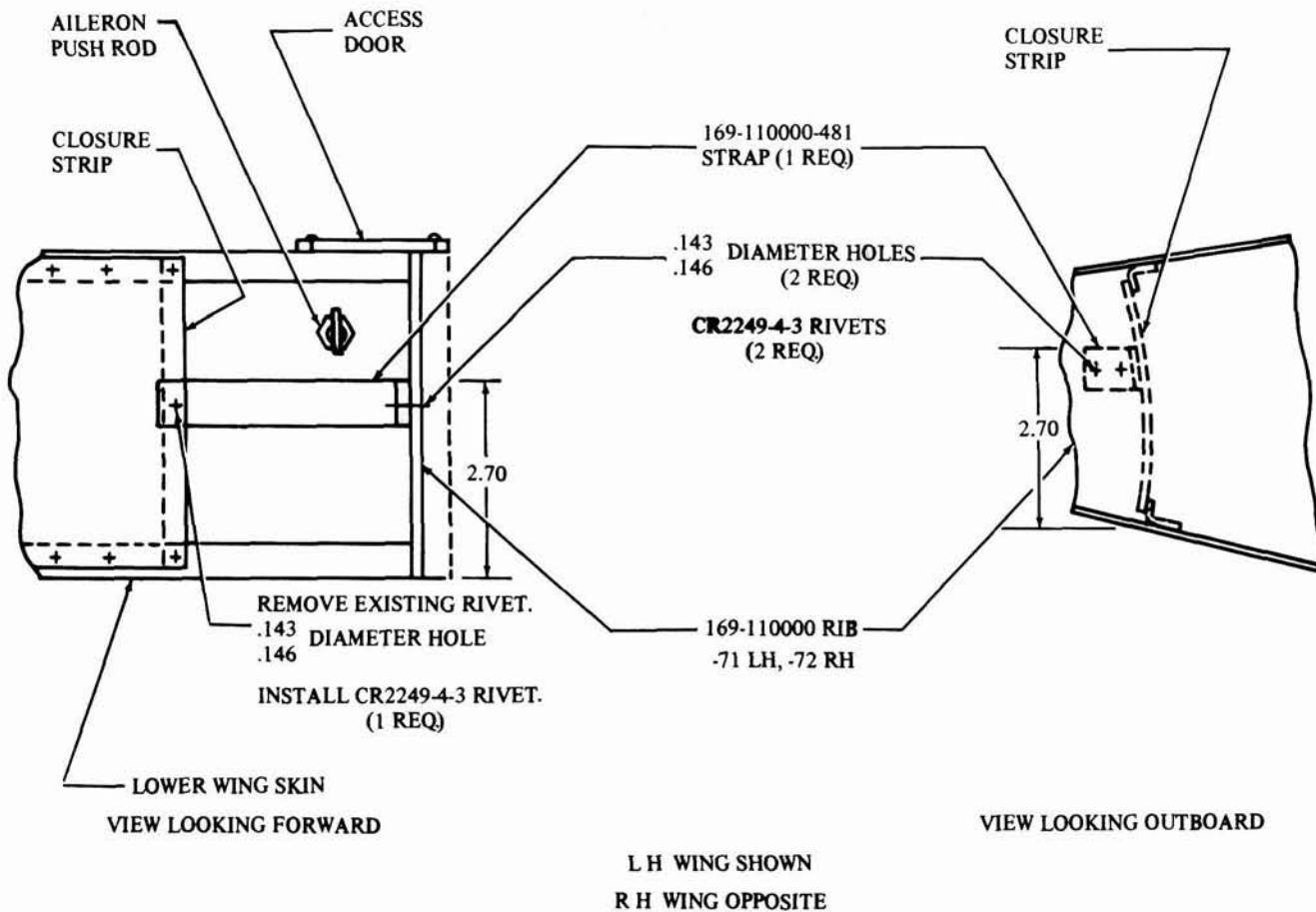
1. Remove the aileron from one wing as described in the shop manual.
2. On the inboard end of the closure strip, remove the existing center rivet which is located approximately 2.10 inches up from the lower wing skin surface.
3. Locate the 169-110000-481 strap below the aileron push rod and between the closure strip and the 169-110000-71 or -72 rib and drill out the pilot hole in the -481 strap to .143/.146 diameter to align with the rivet hole in the closure strip. (See illustration.)
4. Backdrill through the -71 or -72 rib from the pilot holes in the flange of the -481 strap to .143/.146 diameter.

5. Install the -481 strap below the aileron push rod with three CR2249-4-3 Cherry Lock rivets.
6. Reinstall the aileron as described in the shop manual. Safety wire the outboard hinge bolt.
7. Repeat steps 1 through 6 on the opposite wing.
8. Check both LH and RH ailerons through full travel to see that the push rods clear the new brackets.

NOTE

Removal and reinstallation of the ailerons will not change the aileron rigging, provided the aileron push rod adjustment has not been disturbed.

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



Installation of 169-110000-481 Strap