



# CLASS I SERVICE INSTRUCTIONS

23

No. 1180  
ATA Code 76-10

- SUBJECT:** ENGINE CONTROLS - MODIFICATION OF THE CARBURETOR MIXTURE CONTROL ARM
- EFFECTIVITY:** BEECHCRAFT C23 Sundowner 180, serials M-2144 through M-2260.
- REASON:** To ensure full travel of the carburetor mixture control arm.
- 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 100 service hours.
- APPROVAL:** FAA Approved.
- MANPOWER:** The following information is for planning purposes only:  
  
Estimated man-hours: 1 hour.  
Suggested number of men: 1 man.
- MATERIAL:** None.
- WARRANTY:** Warranty credit for labor to the extent noted under MANPOWER will be allowed on all affected airplanes for all claims received prior to May 31, 1982.  
  
All warranty reimbursements are handled through franchised BEECHCRAFT Aero or Aviation Centers and International Distributors and Dealers. Owners and operators should arrange with these outlets to perform the work and have them submit the standard Beech Aircraft Corporation warranty claim form through BEECHCRAFT Parts and Equipment Marketing Wholesalers or International Distributors.
- SPECIAL TOOLS:** None.
- WEIGHT AND BALANCE:** None.
- REFERENCES:** None.

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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.

98-34239D



Member of GAMA  
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Manufacturers Association

CLASS I

## Service Instructions No. 1180

### PUBLICATIONS

#### AFFECTED:

It is recommended that a note to "See Service Instructions No. 1180" be made in all 19, 23 and 24 series Shop Manual copies, P/N 169-590015G or subsequent, Section 3.

### ACCOMPLISHMENT

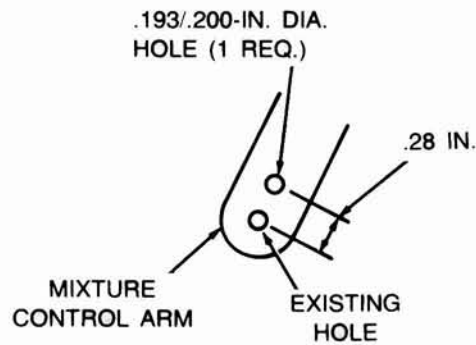
#### INSTRUCTIONS:

These Service Instructions may be accomplished as follows:

1. Remove the engine cowling.
2. Disconnect the mixture control cable from the carburetor mixture control arm.
3. Drill a .193/.200 inch diameter (No. 10) hole in the mixture control arm as shown in the illustration.
4. Reattach the mixture control cable to the control arm, using the new hole drilled in step 3 and check to

ensure that the arm moves through its full range of travel. Adjust the rod ends and the position of the cable clamp as necessary to permit full travel of the mixture control arm with a slight "cushion" (no more than 1/16 inch) at the forward end of travel.

5. Reinstall the engine cowling.



### RECORD

#### COMPLIANCE:

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