



# CLASS I SERVICE INSTRUCTIONS

76

No. 1045  
ATA Code 73-00

**SUBJECT:** ENGINE FUEL AND CONTROL - MODIFICATION OF CARBURETOR

**EFFECTIVITY:** BEEHCRAFT Duchess 76, serials ME-1, ME-3 through ME-6, ME-8 through ME-135, ME-137 through ME-147, ME-149 through ME-152, ME-154, ME-156 and ME-159.

**REASON:** To provide for installation of an improved type plug in the carburetor which will reduce the possibility of power loss at any selected power setting.

Avco Lycoming Service Bulletin No. 434 is also applicable to this subject. If compliance was made with the Lycoming publication, no further action is required except to enter a compliance statement for both documents in the airplane maintenance records.

**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 10 service hours.

**APPROVAL:** FAA Approved - DOA CE-2.

**MANPOWER:** The following information is for planning purposes only:

Estimated man-hours: .5 hour per airplane.  
Suggested number of men: 1 man.

**MATERIAL:** The parts required to modify both carburetors are contained in Marvel Schgbler Kit P/N 666-821. Only one kit is required per airplane. The kit must be ordered direct from Avco Lycoming Dealers or Distributors. All kits will be shipped direct from Avco Lycoming to the facility which is to accomplish the modification.

**WARRANTY:** Warranty claims for parts and labor will be handled through Avco Lycoming Dealers or Distributors.

**SPECIAL TOOLS:** None.

**WEIGHT AND BALANCE:** None.

**REFERENCES:** Avco Lycoming, Williamsport Div., Service Bulletin No. 434.

**PUBLICATIONS AFFECTED:** None.

No BECP  
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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) BEEHCRAFT Aero or Aviation Centers and International Distributors and Dealers.
- (b) Owners of record on the FAA Registration list and the

BEEHCRAFT 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 BEEHCRAFT 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. 1045**

**ACCOMPLISHMENT  
INSTRUCTIONS:**

The instructions for modifying the carburetor are contained in Marvel Schebler Kit P/N 666-821.

**NOTE**

The modification may be accomplished through the cowl flap opening after disconnecting the cowl flap control. Carburetor removal is not necessary or recommended.

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**RECORD COMPLIANCE:**

Upon completion of these Service Instructions, make an appropriate maintenance record entry specifying the kit identification number and the kit serial number.