



CLASS I SERVICE INSTRUCTIONS

CLASS I

76

No. 1055
ATA Code 73-00

SUBJECT: ENGINE FUEL AND CONTROL - INSTALLATION OF IMPROVED CARBURETOR AIRBOXES

EFFECTIVITY: BEECHCRAFT Duchess 76, serials ME-1 through ME-6 and ME-8 through ME-76.

REASON: To provide improved fuel drain capabilities.

These Service Instructions issued to submit information contained in Liberal Service Letter No. 78-6 dated October 13, 1978 in the format of regular BEECHCRAFT Service Instructions. Liberal Service Letter No. 78-6 was issued to provide information for improved fuel drain capabilities.

If compliance was made with the Liberal Service Letter, no further action is required except to enter a compliance statement for both documents in the airplane maintenance record.

COMPLIANCE: Beech Aircraft Corporation considers this to be a mandatory change and it should be accomplished as soon as possible after receipt of these Service Instructions but no later than within the next 50 service hours.

APPROVAL: FAA Approved - DOA CE-2.

MANPOWER: The following information is for planning purposes only:

Estimated man-hours: 6 hours.
Suggested number of men: 1 man.

MATERIAL: The P/N 169-910049-101 Carburetor Airboxes (2 per airplane) required to accomplish these Service Instructions may be ordered through BEECHCRAFT Aero or Aviation Centers and International Distributors and Dealers.

WARRANTY: Warranty credit will be allowed for parts and labor to the extent noted under MATERIAL and MANPOWER on claims submitted prior to December 31, 1979.

All warranty reimbursements are handled through franchised BEECHCRAFT outlets. Owners and operators may arrange with these outlets to perform the work and submit the standard Beech Aircraft Corporation warranty claim form to the Commercial Service Department, Beech Aircraft Corporation, Wichita, Kansas, 67201.

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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



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SPECIAL TOOLS: None.

WEIGHT AND BALANCE: None.

REFERENCES: None.

PUBLICATIONS AFFECTED: It is recommended that a note to "See Service Instructions No. 1055" be made in all Duchess 76 Parts Catalog copies, P/N 105-590000-9 or subsequent, Chapter 71-00.

ACCOMPLISHMENT INSTRUCTIONS: These Service Instructions may be accomplished as follows:

NOTE

The following steps may be accomplished on both the LH and RH engines. Retain all existing attaching hardware for use on installation of the new carburetor airboxes.

1. Remove the engine cowling.
 2. Disconnect the drain tube from the carburetor airbox.
 3. Unclamp and remove the carburetor heat and induction air flex hoses from the airbox.
 4. Disconnect the carburetor heat control cable at the airbox arm assembly.
 5. Remove the carburetor airbox.
 6. Install the new carburetor airbox.
 7. Reinstall the flex hoses and securing clamps.
 8. Connect the carburetor heat control cable and adjust as required for proper operation.
 9. Reinstall the existing drain tube on the carburetor airbox.
 10. Reinstall the engine cowling and test run the engine.
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RECORD COMPLIANCE: Upon completion of these Service Instructions, make an appropriate maintenance record entry.