



CLASS II

SERVICE INSTRUCTIONS

76

No. 1066
ATA Code 76-10

SUBJECT: ENGINE CONTROLS - INSTALLATION OF AN IMPROVED ENGINE CONTROL QUADRANT COVER

EFFECTIVITY: BEEHCRAFT Duchess 76, serials ME-1 through ME-6 and ME-8 through ME-93.

REASON: To install an improved engine control quadrant cover.

COMPLIANCE: At the owner's discretion, however, Beech Aircraft Corporation recommends that this modification be accomplished at the next scheduled inspection.

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 required for this modification may be ordered through BEEHCRAFT Aero or Aviation Centers and International Distributors and Dealers.

PART NUMBER	DESCRIPTION	QUANTITY PER AIRPLANE
105-420020-19	Cover Assembly	1
105-420020-25	Cover Assembly	1

WARRANTY: Warranty credit for parts and labor to the extent noted under MATERIAL and MANPOWER will be allowed for all claims submitted prior to January 31, 1980.

All warranty reimbursements are handled through franchised BEEHCRAFT 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.

SPECIAL TOOLS: None.

WEIGHT AND BALANCE: None.

REFERENCES: None.

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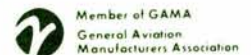
Beech Aircraft Corporation issues service information for the benefit of owners and fixed base operators in the form of three classes of Service Instructions. CLASS I (Red Border) are changes, inspections, and modifications that could affect safety. The factory considers compliance mandatory. CLASS II (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) 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.

98-34238D



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PUBLICATIONS AFFECTED: It is recommended that a note to "See Service Instructions No. 1066" be made in all BEECHCRAFT Duchess 76 Parts Catalog copies, P/N 105-590000-9 or subsequent, Chapter 76-10.

ACCOMPLISHMENT INSTRUCTIONS:

These Service Instructions may be accomplished as follows:

1. Remove the friction control knob from the right side of the engine control quadrant.
2. Remove the attaching screws and remove the engine control quadrant covers.
3. Paint the heads of the attaching screws with flat black paint (obtain locally) to match the new P/N 105-420020-19 and P/N 105-420020-25 cover assemblies.
4. Carefully trim the ends of the fingers on the P/N 105-420020-25 cover assembly with a knife so they will fit into the P/N 105-420020-19 cover assembly.
5. Position the P/N 105-420020-19 and P/N 105-420020-25 cover assemblies on the engine control quadrant. Locate the center of the bolt which holds the friction control knob. Using the center of the bolt as a reference, cut a .750 inch diameter hole in the P/N 105-420020-25 cover assembly for the friction control knob.
6. Align the cover and move the engine control levers through full travel to check for interference. It may be necessary to reposition the P/N 105-420020-25 cover assembly and trim the fingers with a knife.
7. Drill two 9/64 inch diameter holes in the P/N 105-420020-25 cover assembly to match the P/N 105-420020-19 cover assembly.
8. Attach the P/N 105-420020-19 cover assembly and the P/N 105-420020-25 cover assembly to the engine control quadrant using the screws which were removed in step 2.

NOTE

It may be necessary to slightly elongate the holes in the cover assemblies to match the existing holes in the engine control quadrant.

9. Reinstall the friction control knob on the right side of the engine control quadrant.
10. Check the control levers for freedom of movement through full travel and the friction control knob for proper operation.

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