



CLASS II

SERVICE INSTRUCTIONS

CLASS II

76

No. 1144
ATA Code 31-20

SUBJECT: INDICATING/RECORDING SYSTEMS - INSTALLATION OF AN IMPROVED ELECTRIC HOUR METER PRESSURE SWITCH

EFFECTIVITY: The following airplanes which are equipped with an optional factory installed electric hour meter:
BEECHCRAFT Duchess 76, serials ME-1 through ME-314.

REASON: To install an improved electric hour meter pressure switch which will break contact to the electric hour meter immediately after engine shutdown.

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

APPROVAL: FAA Approved - DOA CE-2.

MANPOWER: The following information is for planning purposes only:

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

MATERIAL: The P/N M4008-25 pressure switch required for this modification may be ordered through BEECHCRAFT Aero or Aviation Centers and International Distributors and Dealers. The value of the part required to incorporate these Service Instructions on one airplane is to be advised. Price, when issued, will be subject to change without notice.

WARRANTY: BEECHCRAFT warranty on a new airplane is 180 days from delivery or 180 days from the date noted on the Owner Warranty Card. Warranty credit for parts and labor to the extent noted under MATERIAL and MANPOWER will be allowed on BEECHCRAFTS within warranty at the time these Service Instructions are released.

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 Wholesalers or International Distributors.

SPECIAL TOOLS: None.

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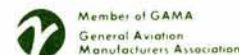
Beech Aircraft Corporation issues service information for the benefit of owners and fixed base operators in the form of three classes of Service Instructions. CLASS I (Red Border) are changes, inspections, and modifications that could affect safety. The factory considers compliance mandatory. CLASS II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

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WEIGHT AND BALANCE: None.

REFERENCES: None.

PUBLICATIONS AFFECTED: It is recommended that a note to "See Service Instructions No. 1144" be made in the following:

BEEHCRAFT Duchess 76 Wiring Diagram Manual, P/N 105-590000-15B or subsequent, Chapter 31-20.

BEEHCRAFT Duchess 76 Wiring Diagram Manual, P/N 105-590000-21 or subsequent, Chapter 31-20.

ACCOMPLISHMENT INSTRUCTIONS:

These Service Instructions may be accomplished as follows:

1. Remove the upper cowling from the RH engine.

NOTE

The electric hour meter pressure switch is located on the upper RH side of the firewall next to the oil pressure transducer.

2. Disconnect the wires from the electric hour meter pressure switch. Tag the wires for reinstallation.
3. Remove the electric hour meter pressure switch.
4. Install a new P/N M4008-25 electric hour meter pressure switch. Use teflon tape or equivalent thread sealing compound (obtain locally) as required.
5. Connect the wires to the new electric hour meter pressure switch.
6. Reinstall the engine cowling and ground run the engine to check for leaks and proper electric hour meter operation.

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